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PHASE IIB RCRA FACILITY INVESTIGATION REPORT VOLUME I (TEXT AND FIGURES)

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1,1,1,2-PCA 1,1,1,2-tetrachloroethane

1,1,2-TCA 1,1,2-trichloroethane

1,1,2-TCE 1,1,2-trichloroethene

1,1-DCA 1,1-dichloroethane

1,1-DCE 1,1-dichloroethene

1,1-DCP 1,1-dichloropropene

1,2,3-TCP 1,2,3-trichloropropane

1,2,4-TCB 1,2,4-trichlorobenzene

1,2,4-TMB 1,2,4-trimethylbenzene

1,2-DCA 1,2-dichloroethane

1,2-DCB 1,2-dichlorobenzene

1,3,5-TMB 1,3,5-trimethylbenzene

1,4-DCB 1,4-dichlorobenzene

alluvium alluvial valley fill deposit

amsl above mean sea level

AOC Area of Concern

ARCS Assessment and Remediation of Contaminated Sediments

B2EP bis(2-ehtylhexyl)phthalate

bgs below ground surface cDCE cis-1,2-dichloroethene

CHES Clean Harbors Environmental Services

COEC Constituents of Ecological Concern

CAP Corrective Action Plan

CAS Columbia Analytical Services

CFC-11 Trichlorodifluoromethane

CMS Corrective Measures Study

cps Counts per second

CRA Conestoga-Rovers & Associates

CVOC Chlorinated Volatile Organic Compound

i

°F Degrees Fahrenheit

DOCC Description of Current Conditions

LIST OF COMMONLY USED ACRONYMS AND SHORT FORMS (CONT'D)

DPT Direct Push Technology

ECO-SSL Ecological Soil Screening Levels

EDD Electronic Data Deliverable

Eh Reduction/Oxidation Potential

EM Electromagnetic

ESL Ecological Screening Level
ESV Ecological Screening Values

FOD Frequency of Detection

FSP Field Sampling Plan

g gram

g/mL grams per milliliter gpm gallons per minute

GPR Ground Penetrating Radar

HASP Health and Safety Plan

HHRA Human Health Risk Assessment

Hg Mercury

HI Hazard Index

HSA Hollow Stem Auger

ICM Interim Corrective Measure

IDCL Industrial Default Closure Level

IDEM Indiana Department of Environmental Management

IDNR Indiana Department of Natural Resources

ISCO In-Situ Chemical Oxidation
Koc Octonol-Carbon Coefficient

K_{ow} n-octanol-water

LCV Lowest Chronic Value

LOD Limit of Detection

MCL Maximum Contaminant Level

μg/kg micrograms per kilogram

μg/L micrograms per liter

μg/m³ micrograms per cubic meter

LIST OF COMMONLY USED ACRONYMS AND SHORT FORMS (CONT'D)

mg/kg milligrams per kilogram

mg/L milligrams per liter
mL/min milliliters per minute

MIBK 4-methyl-2-pentanone or methyl isobutyl ketone

mm Hg millimeters of mercury mS/m milliSiemens per meter

NAPL Non-Aqueous Phase Liquid

NFA No Further Action

OER Ordnance & Explosives Remediation, Inc.

Ohm-meters

OSWER Office of Solid Waste and Emergency Response

PA/VSI Preliminary Assessment/Visual Site Inspection

PAH Polynuclear Aromatic Hydrocarbons

PCBs Polychlorinated Biphenyls

PCE Tetrachloroethene

PEC Probable Effects Concentration

pH hydrogen ion activity

PID Photoionization Detector

ppb parts per billion ppm parts per million

QA/QC Quality Assurance/Quality Control

QAPP Quality Assurance Project Plan

RAGS Risk Assessment Guidance for Superfund RCRA Resource Conservation and Recovery Act

RDCL Residential Default Closure Level

Redox Reduction/Oxidation

RFI RCRA Facility Investigation

RISC Risk Integrated System of Closure

RMC Radio Materials Corporation

RME Reasonable Maximum Exposure

LIST OF COMMONLY USED ACRONYMS AND SHORT FORMS (CONT'D)

RQD Rock Quality Designation

Site Radio Materials Corporation Facility - Attica, Indiana

SLERA Screening-Level Ecological Risk Assessment

SMCL Secondary Maximum Contaminant Level

SMD Submembrane Depressurization

SSD Subslab Depressurization

SOW Scope of Work

SPR Single Point Resistance

SQ Screening Quotient

SQG Sediment Quality Guidelines

SVE Soil Vapor Extraction

SVOC Semivolatile Organic Compound

SWMU Solid Waste Management Unit

TAL Target Analyte List

TCE Trichloroethene

TCL Target Compound List

TCLP Toxicity Characteristic Leaching Procedure

tDCE trans-1,2-dichloroethene

TEC Threshold Effects Concentration

TOC Total Organic Carbon

TSD Treatment, Storage, and Disposal

U.S. EPA United States Environmental Protection Agency

UCL Upper Confidence Limit

USCS Unified Soil Classification System

USGS U.S. Geological Survey

UST Underground Storage Tanks

VIS Vapor Intrusion Study

VOC Volatile Organic Compound

WQG Canadian Water Quality Guidelines

1.0 INTRODUCTION

1.1 <u>BACKGROUND</u>

Conestoga-Rovers & Associates (CRA), on behalf of Kraft Foods Global, Inc., conducted a Phase IIB Resource Conservation and Recovery Act (RCRA) Facility Investigation (RFI) in accordance with the U.S. Environmental Protection Agency (U.S. EPA) Region 5 RCRA 3008(h) Consent Order No. IND 005 477 021 (Consent Order). The Consent Order was issued to Radio Materials Corporation (RMC) and applies to the RMC manufacturing facility located in Attica, Indiana (Site). The RMC Facility, U.S. EPA identification number IND005477021 (Site), is located in west-central Indiana at 1095 East Summit Street in the eastern portion of the City of Attica, in Fountain County, Section 5, Township 21 North, Range 7 West (Figure 1.1).

The purpose of the Phase IIB RFI was to further investigate the extent of contamination within and potentially migrating from five Solid Waste Management Units (SWMUs) and three Areas of Concern (AOCs) at the Site. The Phase IIB RFI was conducted in accordance with the document entitled *Phase IIB RFI Work Plan, Radio Materials Corporation Facility, Attica, Indiana* as amended by the letter to U.S. EPA dated June 10, 2003 (Phase IIB Work Plan) and approved by U.S. EPA in a letter dated June 16, 2003. The locations of the SWMUs and AOCs are depicted on the Site plan on Figure 1.2.

In June 2004, CRA submitted a document to U.S. EPA entitled *Interim Data Transmittal and Supplemental Phase IIB RFI Scope of Work* (Interim Data Transmittal Report) for additional investigation at the RMC facility. The purpose of the amended Phase IIB RFI Scope of Work (SOW) was to describe the additional work required to further investigate the vertical and horizontal extent of contamination within, and potentially migrating from, the RMC facility and obtain data necessary to evaluate potential human and ecological receptors. The amended Phase IIB SOW formed an addendum to the Phase IIB RFI Work Plan, previously submitted to U.S. EPA in June 2003. The work described in the Interim Data Transmittal was implemented during the period of September through December 2004.

Additional supplemental Phase IIB investigation activities performed during the period of July through September 2005, included installation of additional overburden and bedrock monitoring wells, advancement of soil borings, collection of surface soil samples, closure of an artesian well, collection of groundwater samples, and a vapor intrusion study. Phase IIB investigation activities performed during the period of October 2005 through December 2009 included regular groundwater monitoring and continuation of the vapor intrusion investigation.

1.2 PURPOSE

The purpose of this document is to describe the methods and the findings of the Phase IIB RFI. This document is intended to be a comprehensive summary of the Phase IIB RFI and includes the data and information previously reported in the Interim Data Transmittal (June 2004) and the investigation work completed since submittal of the revised Phase IIB RFI report to U.S. EPA in October 2005. This comprehensive Phase IIB RFI Report is submitted consistent with Attachment II, Sections IV and VI of the Consent Order and forms the basis of the subsequent Corrective Measures Study (CMS) as described in Attachment III, Section I of the Consent Order.

1.3 ORGANIZATION

This Phase IIB RFI report is organized into the following substantive sections:

Section 1.0	Introduction
Section 2.0	Site Description
Section 3.0	Phase IIB Field Investigation
Section 4.0	Geophysical, Soil, Sediment, and Surface Water Investigation Results
Section 5.0	Hydrogeological Investigation Results
Section 6.0	Vapor Intrusion Study Results
Section 7.0	Summary of Interim Corrective Measures
Section 8.0	Chemical Fate and Transport
Section 9.0	Human Health Risk Assessment
Section 10.0	Ecological Assessment
Section 11.0	Summary of Findings and Conclusions
Section 12.0	Major References

2.0 SITE DESCRIPTION

2.1 <u>SITE LOCATION</u>

The RMC facility, U.S. EPA identification number IND005477021, is located in east-central Indiana at 1095 East Summit Street in the eastern portion of the City of Attica, in Fountain County, Section 5, Township 21 North, Range 7 West (Figure 1.1).

The Site is bisected by the east-west oriented Summit Street. To the south of Summit Street are the main manufacturing plant and the man-made Riley Lake, which are set on approximately 24 acres. To the north of Summit Street are five ancillary structures (Buildings 5, 6, 7, 8, and the former fuel pump house), which are set on approximately 14 acres. North of Buildings 6 and 7 are a former airport and an inactive north-northeast to south-southwest trending runway (located approximately 2,000 feet north of Summit Street).

2.2 SITE HISTORY

Historical Site operations included the manufacture of television tubes and disc capacitors within the main plant located south of Summit Street. In 1947, Mr. Joseph Riley, Sr. reportedly purchased the Site and began the manufacture of television tubes and ceramic capacitors in the main plant (located south of Summit Street) in 1948 (Description of Current Conditions [DOCC] Report, [Bodine Environmental Services, Inc., May 1999]). P.R. Mallory Company, Inc. purchased RMC in 1957 and owned it until 1978. The Riley family repurchased the facility in 1978 and continued to manufacture ceramic capacitors. Currently, there are no active manufacturing operations at the Site. The Site buildings, including the main building, are used for general storage of equipment and supplies. Office space in the main building is in use by the Site owner, Mr. Joe Riley, Jr.

2.3 RCRA SITE HISTORY

2.3.1 GENERAL

A Preliminary Assessment/Visual Site Inspection (PA/VSI) was performed on August 25, 1992 on behalf of U.S. EPA Region 5. The PA/VSI report indicated that barium titanate-based raw materials (including ceramic powder) were used in the manufacture of disc and multilayer capacitors. The raw materials were mixed, milled,

and dried to form a dielectric (non-conducting) material. For disc capacitors, silver electrodes were screen printed and the discs were then fired in kilns to harden. The DOCC report (Bodine 1999) indicated that tetrachloroethene (PCE), a volatile organic compound (VOC), was used to clean the screens and other items. For multilayer capacitors, the dielectric material was rolled into thin sheets, layered with palladium metal, and then pressed and cut into plates. Silver/palladium electrodes were screen printed onto sheets that were stacked and cut into bars. The bars were then cut into chips, and the chips were sintered. The silvered discs and multilayer capacitors were transferred to Building 3 where a tin plated copper wire was soldered onto the discs and the chips. Some discs were dipped in PCE as a cleaning step. The disc capacitors were then coated with either a phenolic or epoxy resin. The chips were coated with epoxy resin in a fluid bed process.

A detailed description of the RCRA Site history is provided in the document entitled *Phase IIA RCRA Facility Investigation Report* (CRA, February 2003).

2.3.2 RCRA PART A APPLICATIONS

RMC submitted a Treatment, Storage, and Disposal (TSD) Facility RCRA Part A application to U.S. EPA in November 1980. The Part A application identified an outdoor drum storage area (now identified as SWMU 1) east of Building 6 and an operation to recover silver from used PCE in a centrifuge unit (SWMU 4) that was housed in Building 2. In February 1987, RMC submitted the first closure plan for the outdoor drum storage area and the centrifuge unit. In June 1988, RMC was ordered to revise the RCRA Part A application to include the area of Building 6 used to temporarily store hazardous waste drums (SWMU 3). Subsurface investigations were conducted on behalf of RMC at the outdoor and indoor drum storage areas from 1988 to 1998.

2.3.3 U.S. EPA PA/VSI AND DOCC REPORTS

The PA/VSI identified nine SWMUs and one AOC, AOC 5. Based on U.S. EPA PA/VSI information and the past releases and management areas at the Site, U.S. EPA Region 5 issued a RCRA 3008 (h) Consent Order to RMC that became effective on March 1, 1999. Site information within the Consent Order was obtained during the PA/VSI, as well as from information provided by RMC for its RCRA Part A permit (past releases and management areas).

The DOCC report identified three additional SWMUs and four additional AOCs beyond those identified in the revised Part A application, PA/VSI, and Consent Order. The DOCC report stated that no further investigation was required for eight of the SWMUs that had been included within the PA/VSI and the Consent Order.

2.3.4 <u>DESCRIPTION OF SWMUs AND AOCs</u>

The following describes the SWMUs and AOCs at the Site. Figure 1.2 depicts the locations of those SWMUs and AOCs.

SWMU 1 (FORMER OUTDOOR DRUM STORAGE AREA)

SWMU 1 was an outdoor drum storage area located north of Summit Road to the east of Buildings 6 and 7. The area of SWMU 1 appears to have varied over time to encompass an area ranging from 150 feet by 150 feet square to an area of 250 feet in length by 150 feet in width. The area within the footprint of SWMU 1 is currently grass covered. The footprint of SWMU 1 overlies the apparent (and older) footprint of SWMU 2 (Disposal Area A). According to the DOCC report, SWMU 1 (the former drum storage area) operated from 1981 to 1988.

As discussed in Section 7.2, Interim Corrective Measures (ICMs) were implemented in SWMUs 1 and 2 in 2008 and included soil excavation and ex-situ and in-situ treatment of soil using soil vapor extraction (SVE). The ICMs are currently operating in SWMU 1 and 2.

SWMU 2 (DISPOSAL AREA A)

SWMU 2 reportedly was operated as an open unlined pit located east of Buildings 6 and 7 from approximately 1963 to 1980 for Site-generated manufacturing byproducts. The dimensions of SWMU 2 were 40 feet long, 30 feet wide and 6 feet deep. Materials reportedly placed in SWMU 2 contained PCE, trichloroethene (TCE), acetone, alcohol, phenolic resin, and ceramic sludges.

As discussed in Section 7.2, ICMs were implemented in SWMUs 1 and 2 in 2008 and included soil excavation and ex-situ and in-situ treatment of soil using SVE. The ICMs are currently operating in SWMU 1 and 2.

SWMU 3 (TEMPORARY DRUM STORAGE AREA IN BUILDING 6)

SWMU 3 was a temporary drum storage area inside Building 6 that was activated in 1988, due to the relocation of drums from the SWMU 1 outdoor drum storage into Building 6. SWMU 3 is located indoors at the east end of Building 6 (west of SWMU 1 and SWMU 2) and occupies an area approximately 12 feet by 36 feet on a flat concrete floor with no floor drain. No releases were reported during the operational history of SWMU 3.

SWMU 4 (CENTRIFUGE AREA)

The centrifuge area (3 feet by 3 feet square footprint) was located in Building 2 and was used to separate the silver metal in the PCE originating from the silver screen printing process. The centrifuge reportedly was operational in 1977 for a couple of months. On February 28, 1989, RMC submitted a closure certification report to the Indiana Department of Environmental Management (IDEM) that included the centrifuge area. IDEM stated on April 5, 1989 in response to RMC that the centrifuge area had been adequately closed. However, the centrifuge unit would not be granted closure by IDEM until the former outdoor drum storage area (now SWMU 1) had achieved closure.

SWMU 5 (DISPOSAL AREA B)

SWMU 5, which is currently grass covered, reportedly was used for the placement of Site-generated manufacturing byproducts in the 1950s and 1960s. Reportedly, SWMU 5 was operated from approximately 1950 until approximately 1963. The manufacturing byproducts reportedly placed in SWMU 5 contained chlorinated solvents, acetone, isopropyl alcohol, phenolic resins, ceramic byproduct, waxes, and paints. SWMU 5 is located outdoors, approximately 200 feet southwest of the main plant building. Reportedly, SWMU 5 was covered with 2 to 3 feet of clayey soil.

Approximately 7,000 cubic yards of impacted soil were excavated from the SWMU 5 area and transported off Site between November 1995 and February 1996. The excavation was reported to be 100 feet by 120 feet, and the maximum depth of the excavation was 20 feet. Reportedly, 6 inches of granular soil was placed to protect the clay layer at the base of the excavation because the clay layer was thought to be a barrier to vertical migration of contaminants.

As discussed in Section 7.3, ICMs were implemented in SWMU 5 and included in-situ treatment of soil using in-situ chemical oxidation (ISCO) and SVE. The SVE system is currently operating in SWMU 5.

SWMU 6 (EIGHT 55-GALLON DRUM STORAGE AREA)

The eight 55-gallon drum storage area was located near the east end of Building 2, in the main plant by the raw materials storage area. The drums reportedly contained ceramic byproduct material and rested on two pallets atop concrete flooring in good condition that covered an area of 10 feet by 5 feet. The drums were labeled, had secured lids, and contained ceramic cull for on-Site recycling as approved by IDEM. Since there was no evidence of releases and the material was being recycled for re-use at the facility, the DOCC report stated that no further investigation was warranted at SWMU 6.

SWMU 7 (ETCHING ROOM)

The etching room was a 10-foot wide by 25-foot long room located in Building 8. At SWMU 7, ferric chloride was used to etch thin brass sheets to make leads for electrical resonators. Operations within the etching room reportedly began in 1977 and ceased in 1989. No releases were reported, and no closure activities were conducted for this area. Based on a preliminary assessment, the DOCC report stated that no further investigation was warranted.

SWMU 8 (PHENOLIC DIP AREA)

The phenolic dip unit was originally located in the west-central portion of former Building 1 and in March 1991 was moved to the chemical storeroom in Building 2. The material within SWMU 8 was phenolic resin. The phenolic resin was milled with Hoosier (mixture of alcohol and acetone) and the disc capacitors were then dipped in this mixture and allowed to dry (alcohol and acetone evaporated). The former location of the phenolic dip unit was inspected, and the DOCC report stated that based on a preliminary assessment, the area did not appear to warrant further investigation.

SWMU 9 (EPOXY COATING ROOM)

The epoxy resin coating room was located in the south-central portion of former Building 1. The room was 12 feet wide by 15 feet long. The unit was used to apply an epoxy coating onto heated capacitors (the last step in the process of manufacturing the disc capacitors). The DOCC report stated that based on the PA/VSI, no further investigation was required.

SWMU 10 (ORIGINAL PHENOLIC DIP AREA)

Several historic phenolic dip stations were located northeast of the epoxy coating room in former Building 1. These former stations were identified during the PA/VSI performed in 1992. The operations for SWMU 10 were substantially the same as discussed for SWMU 8. The area of SWMU 10 was approximately 20 feet by 22 feet. The DOCC report stated that based on a preliminary assessment, the area did not appear to warrant further investigation.

SWMU 11 (PCE VAPOR DEGREASING)

SWMU 11 was located in the north central portion of Building 1 of the main plant. The area of SWMU 11 was approximately 22 feet in length by 7 feet in width and was located on a wooden floor that was underlain by concrete. This degreasing unit reportedly was in operation from the early 1970s to 1986 and is no longer present at the facility. According to Mr. Joe Riley, Jr., initially TCE was used as the degreasing chemical in the vapor degreaser, and later, was switched to PCE. Additionally, according to Mr. Riley, drums containing virgin and spent TCE were formerly staged east of the main building along the east property line in the 1950s and 1960s.

As discussed in Section 7.3, ICMs were implemented in SWMU 11 and included in-situ treatment of soil using ISCO and SVE. The SVE system is currently operating in SWMU 11.

SWMU 12 (DYNAMITE BURIAL SITE)

SWMU 12 was the burial site for three cases of dynamite (totaling approximately 130 pounds) that were left over from blasting activities at the Riley Airfield (1961) and previously contained in two padlocked drums. The dynamite (nitroglycerin) was placed in an unlined trench and covered with sand and gravel to ground surface on April 28, 1986. The trench was located approximately 80 feet southwest of Building 6 and north of the gravel pit area. The trench dimensions were reported to be 4 feet deep and 8 feet long. As described in Section 7.8, an ICM was implemented in SWMU 12 in 2008 that included excavation and off-Site incineration of the recovered dynamite.

AOC 2 (USTs)

The PA/VSI identified AOC 2 to consist of three 6,000 gallon underground storage tanks (USTs), J, K, and L, located on the east side of the main building. According to the PA/VSI, the USTs were installed in 1955. The contents of these USTs were described as

being product (J - heating oil; K - Hoosier, an acetone/alcohol mixture; and L - PCE). USTs K and L were temporarily taken out of service, cleaned, and then refilled with heating oil in 1991. USTs K and L are currently in use to store heating oil.

The DOCC report expanded AOC 2 to include 11 former USTs (UST A through UST I, and USTs M and N). All of these USTs, except J, K, and L, were closed by removal. The only reported release was from UST C, one of five USTs formerly located at the former fuel pump house. A closure report and a Corrective Action Plan (CAP) for UST C were submitted to IDEM. The CAP was never implemented by RMC and the UST C area was investigated during the RFI. Under the direction of IDEM, CRA conducted further investigation of UST C and submitted a No Further Action (NFA) request to IDEM in July 2005. Benzene was present in one soil sample at a concentration slightly above the industrial closure level for benzene. IDEM responded to the NFA request in December 2005, stating that in order to obtain an NFA determination with contaminants above IDEM's industrial closure level, an Environmental Restrictive Covenant must be submitted to IDEM for approval.

AOC 3A AND AOC 3B (OUTFALLS)

During a Site visit conducted for the DOCC report, sinks within Site buildings (the main plant and Building 5) were observed to be connected to storm drains that released water to two Site outfalls. Reportedly, connections between three sinks in the main plant to the storm water drain tile system were observed during the PA/VSI. However, during the Phase IIB RFI, Mr. Joe Riley, Jr. stated to CRA that sinks in the main plant were not connected to the storm drain and the outfall at AOC 3A is connected only to a pipe that is the overflow drain for Riley Lake. During work related to the design of on-Site remedial systems, a video camera was run through the Riley Lake outfall and no connections to the outfall pipe from Riley Lake were observed. The Riley Lake outfall discharges to a wooded area to the south of the Site within Ravine Park (AOC 3A).

A connection between one sink in Building 5 to a drainage ditch on the east side of Building 5 (just north of Summit Street) was observed during the PA/VSI. The AOC 3B discharge area (drainage ditch) located east of Building 5 is covered with vegetation (trees, shrubs, and grass). The outfall apparently discharged wastewater generated in a laboratory operated in Building 5 based on observations made during preparation of the DOCC report. Presently, only limited storm water is conveyed on an intermittent basis by this small drainage feature. This drainage feature terminates at a former gravel pit located south of Building 6.

As discussed in Section 7.4, an excavation and off-Site disposal ICM was implemented in AOC 3B in February and March 2008. Approximately 351 tons of soil was transported to the HES landfill located in Roachdale, Indiana (IND 980503890) for disposal as non-hazardous industrial waste.

AOC 5 (SITE POTABLE WATER SUPPLY WELLS 1 AND 2)

AOC 5 consists of two on-Site potable water supply wells that are currently out of service. Production Well 1 (PW-1) and Production Well 2 (PW-2) are located within the main building by the water tower and by Riley Lake near the northern property line (along Summit Street), respectively. PW-1 and PW-2 were drilled into bedrock to depths of approximately 217 and 317 feet below ground surface (bgs), respectively. Groundwater extracted from PW-2 was used to maintain water levels in Riley Lake, to provide water for the irrigation sprinkler system that was installed beneath the grass around the pond, and as a backup supply well to PW-1. Water extracted from PW-1 was used for potable applications. PW-1 was equipped with an iron treatment system that included an oxidation tower and an anthracite filter.

PW-1 and PW-2 were taken out-of-service as potable water supply wells late in 2008 when an extension to the City water distribution network was installed and residences that were previously obtaining their potable water from PW-1 were connected to the City water supply. PW-1 and PW-2 are scheduled for future closure in accordance with the State of Indiana water well requirements.

2.4 SITE PHYSICAL SETTING

2.4.1 PHYSIOGRAPHY

The Site is located within the Middle Wabash River Basin (Figure 2.1), which occupies 3,453 square miles within west central Indiana. The Wabash River is located approximately 3,500 feet northwest of the Site. This section of the Wabash River flows northeast to southwest until it reaches the "Great Bend", where it turns southward.

The Site lies along the northwest border of the Tipton Till Plain physiographic province of Indiana (Figure 2.2). The Tipton Till Plain physiographic province is characterized as a featureless, flat to gently rolling plain with extensive areas of ice disintegration features that resulted from the most recent Wisconsinan glacial advancement (Gray 2000).

The northwest borderline of the Tipton Till plain is marked by the Wabash River, located just northwest of the Site. This Wabash River valley can be up to 3 miles wide and serves as a dominant physiographic feature in the area of the Site.

2.4.2 <u>TOPOGRAPHY</u>

As depicted on Figure 1.1, the Site is located at the edge of Wabash River basin on a local topographic high on fairly level ground at approximately 670 feet above mean sea level (amsl). From this local high, there is a gentle slope to the south toward an intermittent stream (approximately 650 feet amsl) in Ravine Park and a steeper slope to the northwest toward the Wabash River (approximately 500 feet amsl). The immediate area located around the main plant building is rather flat with only slight sloping to the south. The southern property boundary is marked by a steep grade that slopes to the south toward an intermittent stream (approximately 650 feet amsl) in Ravine Park. Just north of the main plant building there is another steep grade (approximately 11 percent) over about 500 feet, which then levels to a more moderate grade (approximately 2.5 percent) in a northwest direction. According to the DOCC report and observations made during the Phase IIB RFI, the Site is located outside of the 100-year flood plain of the Wabash River.

2.4.3 CLIMATE

Fountain County has a humid continental climate typified by cold winters and warm summers. The average temperature in winter is 29 degrees Fahrenheit (°F), and in the summer the average temperature is 72°F. The average annual precipitation as rainfall is 40 inches and the average annual snowfall is 18.5 inches. The average relative humidity for the area is 60 percent in mid-afternoon. Humidity is higher at night with the average being about 85 percent at dawn. The prevailing winds are generally from the southwest. The wind speed is highest, averaging 11 miles per hour, during the winter months.

2.4.4 LAND USE

Land use surrounding the Site includes agricultural, residential, and public parkland. As illustrated on Figure 2.3, the Site is bounded by Avenue 6 (and East Road and Riley family-owned property to the north of Summit Street) and residential properties (Elmdale Subdivision) to the east, by Ravine Park (a public park) to the south, by Riley family-owned land to the west, and by Riley property (including the Riley Airfield) and

RMC property to the north. The Riley-owned property north of Summit Street and west and north of the Joe Riley, Jr. residence is in agricultural use. North of the airfield are an inactive clay pit, a forested area, and an abandoned railway easement. Residential properties are present to the west and northwest just beyond the Riley property.

2.4.5 SURFACE WATER

Riley Lake is the only significant surface water body on the Site (see Figure 2.3). This lake is an approximately 1.8-acre manmade pond located 300 feet west-northwest of the main plant. One other minor surface water body is the intermittent stream located 1,000 feet south of the main plant in Ravine Park. There are also various other intermittent surface channels that drain the area around the Site, but many of these are much farther from the Site and receive very little direct runoff from the Site.

The most significant surface water body in the area of the Site is the Wabash River, which is located over 4,000 feet northwest of the main plant building. The Wabash River channel follows a pre-glacial buried valley. As a result of continental glaciation, this paleochannel is now composed of approximately 150 feet of sand and gravel valley train and outwash plain deposits. A wetland, located within the Wabash River flood plain, is present approximately 2,400 feet northwest of the facility.

2.4.6 <u>REGIONAL GEOLOGY</u>

The regional geology in the area of the Site consists of unconsolidated glacial deposits overlain by clastic and carbonate bedrock units (U.S. Geological Survey [USGS] 1994 and Fraser 1993). The glacial deposits include subglacial till deposits (Wedron Formation), coarse clastic (cobbles to sand) outwash fans, deposited mainly in the boundaries of the Wabash River channel, to fine-grained (predominantly clay and silt) non-contact lacustrine deposits located in tributary areas upstream. Bedrock, which may be composed of a combination of clastic (shale, siltsone, and sandstone) and carbonate rock (such as limestone), dips to the southwest and is generally weathered in the upper 50 to 150 feet (USGS 1994). The bedrock is generally buried beneath the glacial deposits, but in some cases may be exposed along bluffs at the shoreline of the Wabash River.

The local geology consists of Pleistocene glacial deposits of till and glaciofluvial sands and gravels underlain by Paleozoic sedimentary rocks (primarily shale with interbedded limestone, siltstone, and sandstone) of Pennsylvanian and Mississippian age. In general, the glacial overburden deposits are up to 60 feet thick in the southern portion of the Site,

but thin to approximately 10 feet in the northern portion of the Site. Further discussion of the geology is provided in Section 5.0.

2.4.6.1 UNCONSOLIDATED DEPOSITS

This geologic discussion of regional unconsolidated units was obtained from the USGS (1994) and Fraser (1993). The Middle Wabash River Basin currently follows the same course that it did during the Wisconsinan glaciation. This basin has a broadly curving reach called the "Great Bend" (Fraser 1993). The City of Attica, Indiana is located northeast of the Great Bend. The thickness of the Pleistocene glacial deposits in the Middle Wabash River Basin ranges from zero (at bedrock outcrops) to 350 feet within buried river valleys near Lafayette (Figure 2.4). Some of the deep sand and gravel deposits within these buried valleys are Pre-Wisconsinan age. In the northern part of the Middle Wabash River Basin, sand and gravel were deposited as outwash and ice-marginal stratified drift. Many of the sand and gravel units (some of which have been correlated for up to 18 miles) are confined by non-aquifer fine-grained materials such as tills. Holocene alluvium and colluvium occur within the Wabash River valleys and its tributaries. Wind-blown silt (loess) and sand dune (outwash-derived) deposits are present in the central and southern parts of the basin.

The Middle Wabash River Basin was completely covered by Wisconsinan glaciation by way of the Lake Michigan and Huron-Erie Lobes whose line of contact was nearly coincident with the Middle Wabash River Basin. The Wedron Formation was deposited by the Lake Michigan ice lobe in the area north and west of the Wabash Valley. The Huron-Erie Lobe deposited the Trafalgar moraine formation to the east and south of the Wabash Valley.

The ice lobes advanced into the Wabash Valley several times during the Wisconsinan. The Attica outwash fan (located about 8 miles southwest of the Site) consists primarily of cobbles, gravel, and sand, and some boulders are commonly observed. The Attica fan, described in detail within Fraser (1993), was supplied with sediment from the northwest margin of the Huron-Erie Lobe during its second advance. In the late Wisconsinan glacial period, the fourth and final advance of the Huron-Erie Lobe covered the Great Bend area. The fourth advance of the Huron-Erie Lobe likely deposited most of the surficial alluvial sequences exposed in gravel pits and outcrops in the terraces lining the margins of the Wabash Valley. This fourth advance provided the second phase of the Attica outwash fan sedimentation.

During the late Wisconsinan glacial period, sediment deposition on the floor of the Wabash River blocked the mouths of the tributaries at times and resulted in the formation of non-contact lakes which occupied the tributaries along the main valley. Glacial meltwater regimes then deposited coarse-grained deltas at the tributary mouths and laminated lacustrine mud farther upstream.

2.4.6.2 BEDROCK

This geologic discussion of regional bedrock units was obtained from the Hydrogeologic Atlas of Aquifers in Indiana (USGS 1994). The Site lies above the contact between Pennsylvanian and the Mississippian age bedrock units (see Figure 2.5). The Pennsylvanian age bedrock of the Raccoon Creek and Carbondale Groups consists of complexly interbedded shale and sandstone with thin beds of limestone and coal. The Mississippian age bedrock of the Borden Group consists of siltstone and shale with minor sandstone and discontinuous limestone. The combined thickness of these units exceeds 1,300 feet.

As shown on Figure 2.6, the Site is located on the eastern edge of the Illinois Basin. Bedrock units in this region have a northwesterly strike and dip gently southwest, toward the center of the Illinois Basin. Figure 2.7 illustrates the locations for geologic cross-sections prepared by the USGS (1994) for the Middle Wabash River Basin. The east-west cross-section 6H-6H' (Figure 2.8) traverses across Attica, Indiana and the Wabash River, and the north-south cross-section 6A-6A' (Figure 2.9) traverses the Wabash River near Attica, Indiana.

The bedrock surface underlying the unconsolidated materials was carved by glaciers and partially by an east-west paleodrainage system that converges into a trunk system in the area of Lafayette (Teays-Mohamet bedrock valley or Lafayette Bedrock Valley System). The bedrock surface topography is depicted on Figure 2.10.

2.4.7 REGIONAL HYDROGEOLOGY

The Wabash River follows a buried glacial valley composed of an approximately 150-foot thick sand and gravel unit. Supply water for the City of Attica is withdrawn from the unconsolidated glacial sand and gravel deposits within the pre-glacial river valley located beneath the Wabash River Valley proper. In some locations beyond the valley, potable water is obtained from Mississippian and Pennsylvanian shale and sandstone bedrock.

The PA/VSI indicated, from a review of water well logs obtained from the Indiana Department of Natural Resources (IDNR), that some confined artesian aquifer conditions exist in the area of the Site. These artesian conditions were found to occur in either sandstones or fractured shales that are located below impermeable shales. Regional groundwater flow is generally toward the northwest in the direction of the Wabash River.

Seven aquifer types have been identified within the Middle Wabash River Basin.

Three of these types are unconsolidated aquifers:

- surficial sand and gravel (outwash, valley train)
- buried sand and gravel (alluvial valley fill)
- discontinuous buried sand and gravel (intertill sands)

Four aquifer types are formed by bedrock units:

- an upper weathered-bedrock zone (Borden Group)
- sandstone (Mansfield Formation)
- Mississippian (Sanders and Blue River Groups) and Silurian-Devonian (Wabash Formation) carbonate rocks
- complexly interbedded sandstone, shale, coal, and limestone (Raccoon Creek and Carbondale Groups)

Thickness, yield, and reported pumping rates for these aquifers are provided in Table 2.1.

2.4.8 GROUNDWATER USE

2.4.8.1 SITE WATER SUPPLY WELLS

Two water supply wells (PW-1 and PW-2) are present on the Site. PW-1 was used to supply the potable water to the plant and to several residences adjacent to the Site. PW-2 is located immediately east of Riley Lake and was used historically for fire water/irrigation supply and as a backup well to PW-1. Low parts per billion (ppb) levels of TCE and cis-1,2-dichloroethene (cDCE) were detected in the water samples

collected from the Site production wells between 2003 and 2008. RMC records do not indicate dates of installation or construction information for these wells, other than that they were drilled into bedrock to depths of approximately 217 feet bgs (PW-1) and 317 feet bgs (PW-2). The two on-Site water supply wells were likely installed at the time of construction of the facility from 1947 to 1948. The two on-Site water supply wells were removed from service after the City water main extension was completed in November 2008, and residents served by PW-1 were hooked up to the City water supply network.

2.4.8.2 <u>LOCAL GROUNDWATER USE</u>

As illustrated on Figure 2.11, three Attica, Indiana municipal water supply wells are located along the Wabash River. The supply wells have the following IDEM assigned Reference Numbers: 133745 (Well No. 2), 133750 (Well No. 1), and 133755 (Well No. 3). According to the City of Attica, Well No. 3 has been out of service since approximately 1999 due to vandalism. The municipal water supply wells obtain potable water from the unconsolidated glacial sand and gravel deposits. CRA obtained information about the municipal supply wells from the City of Attica and IDEM. The well construction information received by CRA is summarized in Table 2.2. Wells No. 1, No. 2, and No. 3 were installed in 1947, 1955, and 1981, respectively. The well diameters and depths are 16 inches and 114 feet, 16 inches and 124 feet, and 18 inches and 107 feet for Wells No. 1, No. 2, and No. 3, respectively. According to the City of Attica, water extracted from Wells No. 1 and No. 2 is pumped to the water tower and reservoir located approximately 1.1 miles to the southeast of the Site.

Additional information obtained from the 1999 City of Attica Annual Drinking Water Quality Report included the population of Attica (3,491), the source of water (three deep wells), and the dates of installation and rates of withdrawal from the wells. Well No. 1 was installed in 1955 and operates at 1,163 gallons per minute (gpm). Well No. 2 was installed in 1947 and operates at 1,324 gpm. No information was provided for Well No. 3 other than that it is currently out-of-service. Well No. 3 was installed in 1981 and was initially identified as Well No. 4 but replaced Well No. 3 in 1996. The extracted groundwater is treated with chlorine and fluoride before it is distributed to the city.

IDEM was contacted to obtain information concerning the groundwater quality from the Attica public water supply wells in 2001 and 2002. IDEM directed CRA to U.S. EPA Safe Drinking Water website¹ and provided information on the City of Attica Wellfield

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¹The U.S. EPA Safe Drinking Water Information website address is http://www.epa.gov/safewater/mcl.html.

Protection Area. Information obtained to date indicates that a wellfield protection area was submitted to IDEM by the City of Attica. Figure 2.12 illustrates the wellfield protection area map provided by the Office of Drinking Water Quality of IDEM for 1-year and 5-year travel times and shows that this area includes land along and to the southeast of the Wabash River.

CRA obtained the annual drinking water reports for the City of Attica from 1999 to February 2010. Historically, the compound TCE has been detected in Wells No. 1 and 2, generally at concentrations below the IDEM's Risk Integrated System of Closure (RISC) Residential Default Closure Level (RDCL) and the federal Maximum Contaminant Level (MCL) of 5 micrograms per liter (μ g/L).

Based on the historical analytical data obtained during monitoring activities performed by the City, TCE concentrations in the water pumped from Wells No. 1 and No. 2 generally ranged between 1 and 4 μ g/L, with the concentrations observed at Well No. 1 being slightly higher than at Well No. 2. On occasion, TCE concentrations reported at Well No. 1 were slightly above the MCL/RDCL of 5 μ g/L. This occurred most recently in November 2007, when the TCE concentration measured at Well No. 1 was 6.74 μ g/L, and again in May 2008, when the TCE concentration at Well No. 1 was 5.3 μ g/L. The TCE concentrations measured at Well No. 2 during November 2007 and May 2008 were 3.03 μ g/L and 3.3 μ g/L, respectively. A summary of the TCE analytical data for potable water obtained from the wells for the period of February 2001 to February 2010 is provided in Table 2.3

As discussed in Section 7.5, an ICM was implemented at the City water supply wells to treat water obtained from the two municipal wells for low levels of TCE. The City Water Treatment System consists of an air stripper and associated components and a building to house the air stripper and associated components. Construction of the City Water Treatment System commenced in July 2009 and was substantially completed in December 2009. Start-up activities were conducted in December 2009 and January 2010, and the treatment system was placed in service on January 29, 2010.

The Attica municipal well water sampling results, well lithology, well completion information, well location maps, and well pumping rates were obtained from the IDNR. The well screen depths range from 71 feet bgs to 125 feet bgs, and the wells are screened within the sand and gravel aquifer. The wells are located in the alluvial valley fill deposit (alluvium) that parallels the Wabash River. This alluvium consists of highly permeable sand and gravel that have a high specific capacity. The Attica municipal wells are located only a few hundred feet from the east bank of the Wabash River and produce groundwater from the alluvium. Primary recharge to the alluvium would be

from seepage from the Wabash River, which is in direct contact with the alluvium; underflow within the alluvium from upstream areas; and direct recharge from precipitation and run-on from up-slope areas within the valley.

The alluvium is likely hydraulically connected to the bedrock unit at the buried bedrock subcrop that forms the east wall of the relic Wabash River Valley in Attica. The bedrock in the Attica area is Pennsylvanian and Mississippian rock comprised predominantly of shale and massive siltstone with minor sandstone and discontinuous limestone. As compared to recharge from seepage from the Wabash River and inflow from upstream areas, the recharge to the alluvium from the bedrock is likely to be a very small, if not a negligible, component of the total recharge to the alluvial aquifer.

The nature of this hydraulic connection is discussed in the City of Attica's wellhead protection plan (Applied Geology Associates, July 1999):

"The valley walls contain groundwater, but the flow is only a small fraction of the total available groundwater. The bedrock is not capable of supporting the volume of pumpage (2,500 GPM) tested at the Attica well field. The groundwater essentially is confined to the deep channel, with some recharge from the uplands." (Page 16)

The IDNR water well database was reviewed to determine if potable water wells were located in the vicinity of the Site. According to the database, one public water supply well is present at Ravine Park (the park located to the south of the Site). However, this well was not located during the Phase IIB RFI inspection. Residences east of the Site (Elmdale subdivision) have historically obtained potable water from private residential wells that are generally screened within bedrock. Elmdale Subdivision was annexed in January 1999 and incorporated into the City of Attica municipal potable water distribution system. Reportedly, residences to the east of the Site were offered connections to the City water distribution system. However, wells were still present and visible on a number of parcels in Elmdale Subdivision during the Phase IIB RFI.

According to the IDNR, six water supply wells (133770, 133775, 133795, 265639, 265629, and 265634) installed between 1948 and 1987 for the Harrison Steel Casting Company (900 Mound Street, Attica, Indiana, 47918) are located approximately 1 mile to the southwest of the Site. The locations of the two of the Harrison supply wells are shown on Figure 2.11. Two IDNR well logs, for water supply wells 133975 and 265639, indicate that the wells are 16 inches in diameter, are screened across sand and gravel, and were capacity tested at over 1,851 gpm for 8 hours and 1,711 gpm for 6 hours, respectively.

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3.0 PHASE IIB FIELD INVESTIGATION

3.1 <u>OVERVIEW</u>

The Phase IIB RFI was conducted in multiple phases. The initial field work associated with the Phase IIB RFI began in August 2003, and was completed in October 2003, except for the monthly water-level monitoring that continued through February 2004. In June 2004, a report entitled Interim Data Transmittal Report was submitted to U.S. EPA. The scope of work associated with the supplemental Phase IIB was developed based on the soil and groundwater data obtained to date and included additional soil and groundwater investigations necessary to further delineate contaminants of concern. In a letter dated August 12, 2004, U.S. EPA conditionally approved the Interim Data Transmittal Report and approved the field work.

The supplemental Phase IIB investigation described in the Interim Data Transmittal Report was initiated in September 2004 and was completed in December 2004. The supplemental Phase IIB field work and laboratory analyses were completed in accordance with the procedures set out in the Field Sampling Plan (FSP) and Quality Assurance Project Plan (QAPP) that formed part of the previously issued and approved Phase IIB RFI Work Plan. In addition, Site investigation activities completed as part of the supplemental Phase IIB RFI investigation were completed in accordance with the Health and Safety and Project Management Plans previously prepared for the Phase IIB RFI.

Additional Phase IIB investigation activities were performed with the approval of U.S. EPA during the period of July through September 2005, including installation of additional overburden and bedrock monitoring wells, advancement of soil borings, collection of surface soil samples, closure of an artesian well, collection of groundwater samples, and a vapor intrusion investigation. U.S. EPA granted approval for closure of the artesian well on April 5, 2005. A vapor intrusion study work plan was submitted to U.S. EPA on May 12, 2005, and U.S. EPA approved the work plan on May 16, 2005. On June 10, 2005, CRA submitted a letter to U.S. EPA outlining three investigation tasks to be performed including additional soil borings, installation of additional monitoring wells, and regular groundwater monitoring. U.S. EPA approved these activities on July 5, 2005. U.S. EPA-approved Phase IIB investigation activities performed during the period of October 2005 through December 2009 included regular groundwater monitoring and continuation of the vapor intrusion investigation.

This section describes the work completed during the Phase IIB RFI. Investigative locations were surveyed for horizontal and vertical control and referenced to state

planar coordinates. Environmental media samples obtained during the Phase IIB RFI are summarized in the sample keys provided in Appendix A. Borehole stratigraphic logs are provided in Appendix B, and monitoring well and vapor probe stratigraphic and instrumentation logs are provided in Appendix C.

3.2 SWMUs 1 AND 2 INVESTIGATION

Due to their close proximity, the investigations of SWMUs 1 and 2 were combined. Specific investigative tasks that were conducted in the Phase IIB RFI for the SWMU 1 and 2 areas are summarized below.

3.2.1 GEOPHYSICAL INVESTIGATION

A geophysical investigation of SWMUs 1 and 2 was completed in 2003. An electromagnetic (EM) survey was conducted over the southern portion of SWMU 1 and including the suspected SWMU 2 area. The EM survey was conducted on a 25-foot grid pattern over an area that varied in width and length from 200 to 300 feet (Figure 3.1). It is noted that a 25-foot by 100-foot area located on the extreme southwestern portion of the originally proposed area could not be surveyed due to the presence of dense vegetation.

The EM survey was conducted using a Geonics® EM-31 in the metal detection mode and again in the conductivity mode as specified in the Work Plan. In addition, a ground penetrating radar (GPR) survey was conducted over the same survey area. The GPR survey was conducted to help identify areas containing buried non-metallic material.

3.2.2 TEST PIT INVESTIGATION

Nine test pits (TP-A through TP-I) were excavated in 2003 to examine soil lithology, identify the boundaries of SWMU 2, and to investigate the anomalous features identified during the EM surveys. The locations of the test pits are shown on Figure 3.2. The first two test pits (TP-F and TP-G) were excavated in the suspected SWMU 2 area. These test pits revealed the presence of undisturbed native soil, so the subsequent test pits focused on the anomalous areas identified during the EM surveys.

The test pits were excavated using a rubber-tired backhoe under the direct supervision of a CRA geologist. The soil in the test pits was removed in 1-foot lifts until waste

materials or native soils were encountered. The excavated materials and sidewalls of the excavations were screened utilizing a photoionization detector (PID). Upon completion of each test pit, the excavated material was returned to the excavation and compacted using the excavation equipment. To the extent practical, the materials were returned to the excavation in approximately the same intervals from which they were extracted.

Sixteen soil samples were collected from the test pits and analyzed for Target Compound List (TCL) VOCs and Target Analyte List (TAL) metals to characterize the potential impacts. Test pit soil sampling locations are depicted on Figure 3.2. Test pit photographs are provided in Appendix D.

3.2.3 SWMU 1 AND 2 SOIL INVESTIGATION

3.2.3.1 <u>SUBSURFACE SOIL INVESTIGATION</u>

During the 2003 Phase IIB investigation, soil contamination at SWMUs 1 and 2 was investigated by the advancement of 80 borings (B-101 through B-180) within and outside the footprints of SWMUs 1 and 2. The borings were positioned on a 50-foot grid as illustrated on Figure 3.3. At some locations, the 50-foot grid was altered due to the obstructions and adverse field conditions. The borings were advanced using direct push technology (DPT) drilling procedures. Continuous soil cores were collected from the ground surface to the depth of refusal (potentially the top of bedrock) using a 4-foot long continuous core sampling device.

The borings advanced in 2003 within the northern portion of SWMU 1 were drilled to confirm previously identified contamination and to supplement the limited historic soil samples analyses. The borings within the footprint of SWMU 2 were drilled to characterize the material and impacted soil, since soil samples had not previously been collected within the suspected footprint of SWMU 2. The borings outside the perimeter of SWMUs 1 and 2 were drilled to delineate the extent of contamination. A minimum of two subsurface soil samples were collected from each of the 80 soil borings.

During the 2004 supplemental Phase IIB field investigation, 33 additional soil borings (B-181 through B-213) were advanced in the SWMU 1 and 2 areas. These borings were advanced on the 50-foot grid to further delineate the vertical and horizontal extent of VOC contamination in subsurface soils to the north, northwest, south, and southwest of SWMUs 1 and 2. The extent of VOC contamination east of SWMUs 1 and 2 was adequately defined by the Phase IIB RFI. As a result of expansion of the investigation to the west, six soil borings were advanced around SWMU 3.

During Phase IIB investigations, subsurface soil samples were obtained from all of the soil borings advanced in the SWMU 1 and 2 areas. All of the subsurface soil samples collected in 2003 were analyzed for TCL VOCs and TAL metals. Six of the soil samples collected in 2003 were also analyzed for TCL semivolatile organic compounds (SVOCs), total cyanide, and polychlorinated biphenyls (PCBs). In response to a slightly elevated total arsenic concentration observed in the 14 to 16 feet bgs depth interval at B-120, eight soil samples collected from B-210 through B-213 during the 2004 investigation were analyzed for total arsenic. All other subsurface soil samples collected during the 2004 investigation in the SWMU 1 and 2 areas were analyzed for TCL VOCs.

3.2.3.2 SURFACE SOIL INVESTIGATION

During the 2004 supplemental Phase IIB investigation, 12 surface soil samples (0 to 0.5 foot bgs depth interval) were obtained from the grid locations in the SWMU 1 and 2 areas. Surface soil samples obtained from the grid locations were analyzed for TCL VOCs and TAL metals. Additionally, during the 2003 Phase IIB field investigation, several debris piles and pieces of abandoned equipment were observed in the wooded area northwest of SWMU 1.

Nine surface soil samples (SS-1 through SS-9) were collected adjacent to or beneath these debris piles and equipment as identified below.

- Sample SS-1 collected near a number of rusted drums that reportedly contained waste ceramic material
- Sample SS-2 collected near a pile of discarded ceramic disks
- Sample SS-3 collected near a pile of bricks west of B-104
- Sample SS-4 collected near a pile of crushed debris located east of B-104
- Sample SS-5 collected near a pile of bricks north of B-124
- Sample SS-6 collected near a pile of cement and refractory material north of B-122
- Sample SS-7 collected near a pile of debris and soil north of B-131
- Sample SS-8 collected from a low spot west of the discarded materials and debris
- Sample SS-9 collected from a low area west of B-134

The locations of surface soil samples collected northwest of SWMU 1 are depicted on Figure 3.3. Photographs of the equipment and debris identified northwest of SWMUs 1 and 2 are presented in Appendix E.

3.3 SWMU 3

During the 2003 Phase IIB RFI, six shallow soil borings (SS-301 through SS-306) and two deeper borings (B-301 and B-302) were advanced at SWMU 3. Figure 3.4 depicts the locations of these soil borings. A concrete coring machine was used to provide access through the concrete floor inside Building 8. The boring locations were selected based on the presence of cracks or expansion joints in order to sample areas that contained the greatest potential for impacts from past drum storage activities at SWMU 3.

The soil samples were screened in the field using a PID and headspace screening methods in accordance with the Phase IIB RFI Work Plan. Shallow soil samples were collected from the DPT soil cores at depths of 0 to 0.5 feet bgs and 1.0 to 1.5 feet bgs at each of the six shallow soil boring locations. These soil samples were analyzed for TCL VOCs, TCL SVOCs, and TAL metals. The two deeper soil samples were obtained from the two deep soil borings and submitted for TCL VOCs, TCL SVOCs, and TAL metals analyses.

Due to its proximity, the supplemental Phase IIB investigation at SWMU 3 was incorporated with the work completed for SWMU 1 and 2 areas. This work was performed to better delineate VOC impacts observed in subsurface soil samples collected within SWMU 3. See Section 3.2.3.1 above for more information regarding the SWMU 3 Supplemental Phase IIB investigation activities.

3.4 <u>SWMU 5</u>

3.4.1 SUBSURFACE SOIL INVESTIGATION

Soil contamination at SWMU 5 was investigated by the advancement of 62 borings (B-501 through B-562) in 2003 and 2004, as shown on Figure 3.5. Thirty-nine soil borings were advanced on a 50-foot grid in 2003. Following the 2003 soil investigation, it was determined that further delineation of the vertical and horizontal extent of VOC contamination in subsurface soils in the SWMU 5 area was required to the north, south, and west of SWMU 5. Therefore, in 2004, an additional 23 soil borings were advanced during the supplemental Phase IIB investigation to further delineate the extent of VOC impacts around SWMU 5.

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The soil borings were advanced using DPT procedures. Soil cores were collected continuously in 4-foot sections during borehole advancement. A minimum of two subsurface soil samples were collected at each borehole location. In some cases, additional soil samples were collected due to field analysis or screening that indicated the presence of VOC contamination. The soil sample depth intervals that were submitted for laboratory analyses were selected based on PID screening and visual observations. If elevated PID readings or potential free product was encountered, the boring was terminated and sealed with bentonite to the ground surface. All soil samples collected in 2003 were analyzed for TCL VOCs and TAL metals. In addition, soil samples collected from five locations (B-506, B-512, B-517, B-523, and B-524) also were analyzed for TCL SVOCs, total cyanide, and PCBs. During 2004, subsurface soil samples were analyzed for TCL VOCs.

3.4.2 SURFACE SOIL INVESTIGATION

Ten surface soil samples were collected from locations within the footprint of SWMU 5 during the 2004 supplemental Phase IIB investigation. A surface soil sample was collected from the 0 to 0.5 foot depth interval at borings B-512, B-515, B-516, B-517, B-521, B-522, B-523, B-524, B-528, and B-537. Surface soil samples were analyzed for TCL VOCs and TAL metals.

3.5 **SWMU 11 AND AOC 2**

SWMU 11/AOC 2 was investigated by the advancement of 38 soil borings (B-1101 In addition, four soil boring locations advanced for SWMU 5 through B-1138). delineation were used to determine the extent of contamination in the SWMU 11/AOC 2 area. Eighteen soil borings (B-1101 through B-1118) were advanced during 2003 and 14 soil borings (B-1119 through B-1132) were advanced in 2004. In 2005, six additional borings (B-1133 through B-1138) were advanced to delineate VOC impacts. Figure 3.6 depicts the locations of the borings drilled in the SWMU 11/AOC 2 area during the Phase IIB investigation. The borings were advanced using DPT procedures and soil cores were collected continuously.

The soil samples collected during 2003 were analyzed for TCL VOCs and TAL metals. In addition, two soil samples were collected from the borings located near AOC 2 (B-1116 and B-1117) for TCL SVOC analysis. During 2004, soil samples were analyzed for TCL VOCs. Depth intervals for sample analysis were selected based on PID screening and visual observations.

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3.6 <u>AOC 3A</u>

AOC 3A is an outfall pipe that discharges at the southern Site property boundary at Ravine Park and associated drainageway. The pipe outfall is at the headwall of a drainageway that trends southwesterly into Ravine Park. The drainageway receives water from runoff or discharge from Riley Lake. Low concentrations of several polynuclear aromatic hydrocarbons (PAHs) were detected in the soil sample collected from one of four locations during the Phase IIA RFI. Only one PAH, benzo(a)pyrene at 0.51 milligrams per kilogram (mg/kg), was detected at a concentration above the IDEM RISC RDCL of 0.5 mg/kg at the location in the drainageway located farthest from the outfall pipe (AOC3A-B4). PAHs were not detected in any of the other samples collected closer to the outfall pipe. This indicates that the PAH detections at AOC3A-B4 are unrelated to the outfall.

One sample of the soil was collected from drainageway approximately 50 feet downstream of the AOC3A-B4 location where benzo(a)pyrene was detected above the RDCL. The sample was collected using a stainless steel trowel and mixing bowl from a depth of 0 to 0.5 foot bgs in the center of the drainageway and was submitted for TCL SVOC analysis. Figure 3.7 illustrates the Phase IIA and Phase IIB RFI soil sampling locations.

3.7 AOC 3B

AOC 3B is a drainage ditch that originates at an outfall pipe located in the ditch east of Building 5, drains to the north, and then turns northeast to discharge to a former gravel pit located south of Building 6. The drainage ditch was investigated to delineate the lead impacts observed during previous investigations. Initially, the sampling work included the collection of three surface and three near-surface soil samples at three locations in the drainage ditch (AOC3B-101 through AOC3B-103). The surface soil sample was collected from the center of the ditch at a depth interval of 0 to 0.5 foot bgs. The near-surface soil sample was collected from 1 to 1.5 feet bgs. These six soil samples were submitted for TAL metals analyses.

Since lead was detected at elevated concentrations in surface and subsurface soil samples collected from the drainage ditch, further investigation was completed to delineate lead concentrations at depth beneath the drainage ditch and downstream of the area initially investigated. In 2004, 34 additional grab soil samples and ten

composite soil samples were collected from six sampling locations within the drainage ditch (AOC3B-104 through AOC3B-109), as described below:

- Grab soil samples were collected from two depth intervals (0 to 1 feet bgs and 1 to 2 feet bgs) at six transects (labeled AOC3B-104 through ACO3B-109) arranged perpendicular to the ditch (east bank, west bank and middle of the ditch). The grab soil samples collected from the west and east banks of the ditch were identified with an "A" and "B" suffix, respectively, in the sample location identification (e.g., AOC3B-104A from the west bank and AOC3B-104B from the east bank). The soil samples collected from the center of the ditch were identified with a "C" suffix in the sample location identification (e.g., AOC3B-104C). The grab soil samples were analyzed for total lead.
- Three-point composite soil samples were collected from five transects oriented perpendicular to the centerline of the ditch (AOC3B-104 through ACO3B-108). At each transect, one composite soil sample was obtained from the 0 to 1 foot bgs depth interval and the second composite soil sample was obtained from the 1 to 2 feet bgs depth interval. The composite soil samples were obtained by collecting an aliquot of soil from the depth intervals noted from the east bank, the west bank, and the centerline of the ditch and compositing these into one soil sample. The composite soil samples were analyzed for Toxicity Characteristic Leaching Procedure (TCLP) lead.

The soil samples were collected using a stainless steel hand auger. Figure 3.8 depicts the soil sampling locations at AOC 3B. Figure 3.9 depicts the typical soil sampling locations and depth intervals collected from the ditch during 2004.

3.8 BACKGROUND SOIL INVESTIGATION

Background soil samples were collected from the 0 to 0.5 foot and 1 to 3 foot depth intervals at each of the bedrock monitoring wells installed during 2003 (BW-01 through BW-10, with the exception of BW-03, where only the upper depth interval was sampled due to insufficient recovery to obtain a soil from the deeper interval). These soil samples were analyzed for TAL metals to establish the background concentrations of metals in native surface and subsurface soils. Figure 3.10 depicts the background surface soil sampling locations.

3.9 HYDROGEOLOGICAL INVESTIGATIONS

3.9.1 <u>OVERVIEW</u>

Previous groundwater investigations conducted at the Site focused on individual SWMUs or AOCs. As described in the Phase IIB Work Plan, groundwater was investigated Site-wide and also within the individual SWMUs and AOCs during the 2003 to 2009 Phase IIB investigations. The monitoring wells installed prior to the Phase IIB RFI were renamed to eliminate overlap of well identifiers. Additional overburden and bedrock monitoring wells and piezometers were installed during the Phase IIB RFI to investigate groundwater.

This section describes the work completed to investigate groundwater at the Site during the Phase IIB RFI. Table 3.1 provides the monitoring well construction details. Stratigraphic and instrumentation logs for monitoring wells installed during the Phase IIB RFI are provided in Appendix C. Piezometer and monitoring well locations are depicted on Figure 3.11.

3.9.2 <u>AOC 5</u>

3.9.2.1 PRODUCTION WELL SAMPLING

During the Phase IIB RFI, water samples were collected from production wells PW-1 and PW-2. Production well locations are depicted on Figure 3.12. Initially, water samples were collected from PW-1 from spigots located before and after the iron treatment system (pre-PW-1 and post-PW-1 samples). Subsequent samples from PW-1 were collected from after the iron filter because this location was most representative of water being delivered to the residents. The water sample from PW-2 (located at the east end of Riley Lake) was obtained from the discharge pipe used to supply water to Riley Lake. Production water samples were analyzed for TCL VOCs and TAL metals.

The two on-Site production wells were taken out of service in November 2008, when the City water main extension was completed and residences and the plant were connected to the City water supply network.

3.9.2.2 RESIDENTIAL WATER SAMPLING

Water samples were collected from four residences that received water from PW-1 (1001 Reimer Street, 1007 Reimer Street, 1009 Reimer Street, and 1050 Summit Street). The residential water samples were collected in October 2003 and analyzed for TCL VOCs and TAL metals. The residential water sampling locations are depicted on Figure 3.12. Residential water samples were obtained directly from a tap or outdoor spigot. Prior to sample collection, it was confirmed with the resident that the tap or outdoor spigot was not connected to the water softener or the bypass valve for water softening equipment was engaged. Prior to sampling, the tap or outdoor spigot was opened and allowed to run for a minimum of 15 minutes. Water samples then were collected directly into laboratory supplied sample containers. The residences were connected to the City water supply system in November 2008.

3.9.2.3 DOWNHOLE GEOPHYSICAL AND VIDEO LOGGING

A downhole geophysical survey that included natural gamma, single-point resistance, spontaneous potential, caliper, and video logging was completed at PW-2. A similar downhole geophysical investigation was initially planned for PW-1. However, the geophysical survey was not performed due to the potential for interruption of the water supply to the residents served. The available capacity in the water storage tank was not sufficient to serve the residents for the duration of the survey, and there was significant potential for failure of the well system during removal and replacement based on the age of the pumps and piping in the well. U.S. EPA approved this modification to the original work scope.

Geophysical well logging of well PW-2 was completed on October 8, 2003, followed by a downhole video inspection. A Mount Sopris downhole system consisting of a MGX-II data acquisition console and winch was utilized for the logging program, which consisted of natural gamma, single point resistance, and caliper logs. These logs are further described as follows:

- Natural Gamma measures naturally occurring gamma radioactivity in soil or bedrock as a probe is advanced downhole. The gamma rays are naturally emitted by potassium, which indicates the presence of clays in unconsolidated soils and shales/mudstones in consolidated sediments;
- **Single Point Resistance (SPR)** measures the resistance of soil or bedrock (in Ohms) between a downhole electrode and a surface electrode; and

- Caliper measures the average bedrock corehole diameter with three mechanical arms. This survey effectively identifies fractures, voids, and cavities in the sidewall of an open bedrock corehole.
- **Spontaneous Potential (SP)** measures the electrical potential field caused by ambient direct current (DC) electrical currents in the earth and is primarily used with other data to determine gross lithology.

The downhole logging results for PW-2 are presented on Figure 3.13. Also included on this figure is a log of interpreted lithology, which was compiled based on a review of the logging results.

3.9.3 DEEP PILOT BORINGS

3.9.3.1 PILOT BORING ADVANCEMENT

Three of the bedrock monitoring wells (BW-01, BW-03, and BW-07) were drilled to depths of approximately 150 feet bgs and two bedrock wells (BW-07A and BW-18A) were drilled to approximately 200 feet bgs in order to document the bedrock lithology and provide a preliminary assessment of stratigraphic continuity and bedrock fracturing.

The borehole was advanced through the overburden at each location using hollow stem auger (HSA) and split-spoon sampling techniques consistent with ASTM D-1587. Samples of unconsolidated overburden were collected continuously to the top of competent bedrock and described consistent with the Unified Soil Classification System (USCS). Upon completion of the overburden drilling, the borehole was reamed using an 8¼-inch inside diameter (ID) HSA and outer casing was grouted into place. After the casing was set and tested, the borehole was advanced into the bedrock using wet rotary methods and a HQ (3½-inch) wireline or BSF core. A geologist recorded rock core descriptions and a rock quality designation (RQD) for each core run. The RQD information is included in the stratigraphic logs provided in Appendix C.

3.9.3.2 PACKER TESTING AND VERTICAL AQUIFER SAMPLING

Vertical aquifer sampling (VAS) groundwater samples were collected from locations BW-01, BW-03, BW-07/7A, BW-14A, and BW-18A. The deep bedrock pilot borings (BW-01, BW-03, and BW-07) were evaluated for permeable zones using a discrete inflatable packer system. The packer system was used to isolate and test 10-foot sections

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of the boreholes. Each section was pumped to preliminarily assess the groundwater yield from observed fracture zones for the purpose of selecting a screened interval for the bedrock monitoring wells. Grab groundwater samples were collected during the borehole pumping procedures and were analyzed for TCL VOCs.

VAS groundwater samples were collected from the overburden at a number of locations including OB-44, OB-45D, OB-46D, OB-47D, OB-48D, OB-49, OB-50, OB-53, and OB-54. The purpose of this activity was to vertically profile groundwater quality at depth to select screened intervals for monitoring wells installed at these locations. The borehole was advanced to the target depth. During borehole advancement, grab groundwater samples were obtained at approximately 10-foot intervals from the water table to the terminus of the boring.

VAS was conducted in the overburden by using rotary sonic methods combined with a packer system, except at OB-45D where screened hollow stem augers were used to conduct VAS. At each 10-foot interval during advancement of the OB-45D boring, a packer system was inflated to seal the augers above the screened interval, ensuring that only water from the specified zone would be allowed to enter. After the packers were inflated, purging began with a downhole submersible pump. A minimum of three saturated volumes of water was removed prior to the collection of a grab sample. Groundwater grab samples were analyzed for TCL VOCs.

The method for obtaining VAS groundwater samples using the rotary sonic drilling method is described below.

- 1. Upon reaching the top of the water table, core runs were advanced in 10-foot intervals.
- 2. To obtain the VAS sample, a nominal 3-inch diameter casing and 5-foot long slotted stainless steel screen assembly fitted with a packer system was lowered to the target depth where the permeable zone was observed, driven as necessary to the target depth, and the packer was inflated to isolate the screened section. A minimum of three borehole volumes below the packer assembly were purged using a submersible pump placed within the well screen interval and connected to a sufficient length of braided polyethylene tubing to reach the ground surface. Additionally, any drilling circulation water that was lost during each core run was recorded. This volume of water plus an additional ten percent was removed prior to sample purging.
- 3. Following VAS in the selected interval, the packer was deflated and the pump/tubing and screen/packer assembly was removed from the borehole and decontaminated.

- 4. Upon completion of the VAS sampling, the outer rotary sonic casing was advanced to the base of the previous core run and another core run was advanced through the next 10-foot interval and the procedure was repeated.
- 5. The cores were advanced and samples collected until the boring was terminated.

3.9.4 MONITORING WELL AND PIEZOMETER INSTALLATION

The groundwater monitoring well network consists of 65 overburden monitoring wells, six overburden piezometers, and 24 bedrock monitoring wells. The Phase IIB monitoring wells were installed in phases between August 2003 and January 2008. The locations of monitoring wells installed during the Phase IIB RFI were selected in consultation with U.S. EPA. The Site-wide groundwater monitoring well network is depicted on Figure 3.11. The following subsections describe this network in greater detail. A summary of the Phase IIB RFI monitoring well network construction details is provided in Table 3.1.

3.9.4.1 OVERBURDEN MONITORING WELLS AND PIEZOMETERS

Twenty-four of the pre-Phase IIB RFI monitoring wells were retained for the Site-wide groundwater monitoring well network. The Phase IIB RFI overburden wells and piezometers were installed using HSA drilling and split-spoon sampling techniques consistent with ASTM D-1586 or a rotary sonic rig and continuous soil cores. With very limited exception, soil samples/cores were collected continuously during borehole advancement. At locations where overburden/bedrock well pairs were constructed, the overburden stratigraphy was described at the bedrock well location and the overburden borehole was blind drilled to the target depth for well construction. All soil samples/cores collected during well installation were field screened using a PID and visually examined for evidence of contamination. The soil samples/cores were also examined and logged by the on-Site geologist in accordance with the USCS to define subsurface stratigraphy. The soil descriptions and field screening results were recorded in field logbooks or on lithologic description forms. Stratigraphic and instrumentation logs are included as Appendix B.

Overburden monitoring wells and piezometers were constructed of nominal 2-inch diameter Schedule 40 (No. 10 slot) polyvinyl chloride (PVC) screen, 10 feet in length attached to a sufficient length of Schedule 40 PVC riser pipe to extend to the ground surface. (Monitoring well OB-37 was constructed with a 5 foot long No. 10 slot PVC

screen.) The sand pack consisted of washed silica sand and was installed to a minimum height of 2 feet above the top of the screen. The remaining borehole annulus was sealed to within 1 foot of the surface using bentonite chips placed on top of the sand pack and hydrated using potable water. The remaining portion of the annulus was filled with concrete, and a lockable protective cover was installed in a concrete pad surrounding the well. The well head was fitted with a watertight cap. Each protective cover was fitted with a padlock to provide a secure well head.

Two of the pre-Phase IIB RFI monitoring wells (SWMU2-MW5 and SWMU5-MW5D) were closed because these wells were dry. These wells were closed by a State of Indiana licensed water well driller in accordance with IDNR regulations (312 IAC 13-10-2). The wells were closed by removing the protective cover and concrete base, and filling the well casing with bentonite pellets from the base to within 2 feet of the ground surface. The bentonite pellets were hydrated with potable water. The well casing was cut 2 feet bgs and a cement plug larger in diameter than the borehole was constructed over the borehole, and the borehole was covered with natural soil to the ground surface.

Two monitoring wells (OB-6 and OB-46S) and one piezometer (PZ-06R) required repair during the Phase IIB RFI. The top of casings were re-surveyed following the repairs and these locations are designated as OB-6R, OB-46SR and PZ-06R in Table 3.1. However, the original locations of the wells/piezometer have not changed.

3.9.4.2 BEDROCK MONITORING WELLS

The Site-wide monitoring well network includes 24 bedrock monitoring wells (BW-01 through BW-20, and BW-07A, BW-14A, BW-18A, and BW-23). The bedrock borings and subsequent monitoring wells were double-cased through the overburden. This was done in order to isolate these units and prevent potential cross contamination between the overburden aquifer and the bedrock aquifer. In addition, this upper casing served to facilitate bedrock coring and well installation. After drilling a pilot 8-inch diameter borehole, the borehole was then reamed to 12 inches using larger augers. The 6-inch diameter steel drill casing was "keyed" or driven into competent bedrock. The 6-inch diameter casing was then grouted into place using a cement-bentonite grout mix. The grout was allowed to cure for at least 24 hours prior to initiating the coring procedures. Following the 24-hour set up period, the grout seal and rock was cored to the desired depth using HQ or BSF rock coring techniques. The bedrock well drilling and installation activities were conducted in accordance with the procedures and protocols described in the approved FSP.

Soil and bedrock cores were collected continuously and logged by the on-Site geologist. A variety of data was logged for the bedrock cores. However, particular attention was given to secondary permeability characteristics such as fractures, partings, and solution features. Bedrock cores obtain during drilling activities were placed in labeled core boxes with the depth interval of each core run identified. The core boxes are stored in the main building at the Site.

Information gleaned from the three deep pilot borings was used to assist in the well designs for the other bedrock monitoring wells. Packer testing was again utilized for general bedrock hydraulic assessment at monitoring wells BW-01, BW-03, and BW-07. Bedrock wells installed subsequently were constructed based on the accumulated bedrock data, as well as borehole specifics, but no packer testing was conducted at these locations. Bedrock wells BW-11 through BW-20 and BW-23 were constructed so that the well screen was placed in the first significant fracture zone in bedrock.

Once the target depth for well installation was determined, any section of the borehole below the target depth was sealed with bentonite chips. The bentonite chips were placed in the borehole to a depth of approximately 1 foot beneath the base of the interval to be screened. Bedrock monitoring wells were constructed of nominal 2-inch diameter Schedule 40 (No. 10 slot) PVC screen, 10 feet in length attached to a sufficient length of Schedule 40 PVC riser pipe to extend to the ground surface. The sand pack consisted of washed silica sand and was installed to a minimum height of 2 feet above the top of the screen. The remaining borehole annulus was sealed to within 1 foot of the surface using bentonite chips placed on top of the sand pack and hydrated using potable water. The remaining portion of the annulus was filled with concrete, and a lockable protective cover was installed in a concrete pad surrounding the well. The well head was fitted with a watertight cap. Each protective cover was fitted with a padlock to provide a secure well head.

3.9.4.3 MONITORING WELL DEVELOPMENT

The newly installed groundwater monitoring wells and piezometers were developed consistent with the protocols described in the FSP. In general, this included surging the wells/piezometers using a precleaned surge block and purging with an electronic submersible pump.

A tabulated summary of monitoring well development parameters is provided in Appendix F.

3.9.5 GEOTECHNICAL DATA

During the drilling, seven geotechnical samples were collected at various depths in the overburden at locations PZ-04, PZ-06, BW-02, BW-09, BW-10, and OB-15. These samples were analyzed for moisture content, dry bulk density, total organic carbon (TOC), cation exchange capacity, and sieve analysis. Representative overburden soil samples were collected from selected vapor probes VP-1 through VP-7 and VP-10 through VP-15 for the geotechnical analyses of the soil physical properties of moisture content, dry bulk density, grain size analyses, and fraction of organic carbon content. A minimum of one soil sample was collected from each significant soil type observed. The geotechnical analytical results are provided in Table 3.2.

3.9.6 GROUNDWATER FLOW EVALUATION

The existing and newly installed Site groundwater monitoring wells were surveyed for horizontal and vertical control. The top of casing elevation was located for all of the monitoring wells to the nearest 0.01 foot. Monthly water-level surveys of the monitoring well and piezometer network were performed from October 2003 through February 2004. Additional rounds of water-level measurements were performed again in December 2004, January 2005, and July 2005, and during the regular groundwater monitoring events performed from November 2005 through October/November 2009. The groundwater elevation data obtained during the Phase IIB RFI are summarized in Table 3.3. These data were used to generate groundwater contour plots for the overburden and bedrock units from which groundwater flow directions were interpreted. Groundwater contour plots are provided in Appendix G.

3.9.7 RESPONSE TESTING

Single well response tests were performed on 18 overburden monitoring wells and 12 bedrock monitoring wells. Hydraulic response tests were conducted using rising-head techniques. Water levels were measured using a pressure transducer to record hydraulic head changes. Water level recovery data recorded by the data logger were evaluated using the methods developed by Bouwer and Rice (1976) to calculate hydrogeological parameters. Table 3.4 provides a summary of the hydrogeological parameters determined from the response testing data. The analysis and calculation sheets are included in Appendix H.

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3.9.8 GROUNDWATER SAMPLING

Groundwater samples were collected from each of the existing and newly installed wells and piezometers in October 2003, December 2004, and late-July/early-August 2005. During these three events, groundwater purging and sampling were conducted using an electronic stainless-steel cased submersible pump or a peristaltic pump following the procedures described in the FSP.

During the first groundwater sampling round in October 2003, the groundwater samples were submitted for TCL VOCs, TCL SVOCs, and TAL metals analysis.

The following summarizes the groundwater sampling and analysis program during December 2004.

- groundwater samples were collected from the Site-wide overburden monitoring well and piezometer, and bedrock monitoring well network for TCL VOC analysis
- groundwater samples were collected from overburden monitoring wells and piezometers south of Summit Street and from the upgradient overburden piezometer PZ-06 for total and dissolved lead analysis
- Groundwater samples were collected from the selected monitoring wells and analyzed for the following total and dissolved metals
 - OB-02 total chromium
 - OB-06 arsenic, beryllium, total chromium
 - OB-07 total chromium
- groundwater samples were collected from two overburden monitoring wells and one overburden piezometer (PZ-05, OB-08, and OB-15) for SVOC analysis
- the groundwater sample collected from BW-06 was analyzed for total and dissolved lead

The following summarizes the groundwater sampling and analysis program during July/August 2005.

- groundwater samples were collected from the Site-wide overburden monitoring well, piezometer, and bedrock monitoring well network for TCL VOC analysis
- groundwater samples were collected from monitoring wells OB-09, OB-14, BW-07, and BW-10; and the artesian well for selected anion/cation analysis

 Groundwater samples were collected from monitoring wells OB-01, OB-02, OB-04, OB-06, OB-07, OB-08, OB-10, OB-12, and OB-15 and analyzed for total and dissolved metals including arsenic, chromium, and lead

Groundwater sampling performed after July/August 2005 included regular groundwater monitoring events as summarized below:

- November 2005
- February 2006
- May/June 2006
- April 2007
- November 2007
- January 2008
- April 2008
- September 2008
- December 2008
- March/April 2009
- July 2009
- October/November 2009

All groundwater samples were collected consistent with the protocols described in the FSP as described below.

- i) The depth to water in each well was measured to the nearest 0.01 foot using an electronic water level meter.
- iii) Prior to sampling, each well was purged using a precleaned stainless steel electronic submersible pump or a peristaltic pump. Monitoring wells were purged by removing a minimum of three standing well volumes of groundwater.
- iv) Field measurements of hydrogen ion activity (pH), conductivity, temperature, dissolved oxygen, oxidation-reduction potential, and turbidity of the purged water were recorded. Well purging was continued until three consecutive consistent readings were obtained.
- v) After purging the required volume of water, groundwater samples were collected using techniques that minimized sample agitation. Groundwater samples were collected using the equipment used to purge the monitoring well

- as described above. Groundwater samples were collected in order of decreasing analyte volatility.
- vi) Groundwater samples collected for dissolved analyses were field filtered prior to sample preservation. Immediately upon collection, the sample was field filtered using a peristaltic pump equipped with a dedicated length of silicone tubing and a dedicated 0.45-micron filter.

A tabulated summary of monitoring well purging parameters is provided in Appendix F.

3.10 RILEY LAKE SURFACE WATER AND SEDIMENT SAMPLING

Two surface water and two sediment samples were collected from Riley Lake and analyzed for TCL VOCs and TAL metals. The surface water and sediment samples were obtained from the northwestern and southeastern portions of Riley Lake as depicted on Figure 3.14. Surface water samples were obtained prior to collecting the sediment samples. Surface water samples were collected by dipping the laboratory-supplied containers directly into the lake. Sediment samples were obtained after the surface water samples were collected using a stainless steel scoop attached to an extension rod. Each sediment sample was scooped from the bottom of the lake and then transferred directly into the laboratory supplied sample containers.

3.11 VAPOR INTRUSION STUDY

3.11.1 OVERVIEW

A multi-phase vapor intrusion study (VIS) was conducted beginning in May 2005. Initially, a VIS was completed in areas downgradient of SWMU 5 in accordance with the VIS work plan that was submitted to and approved by U.S. EPA in May 2005. The initial VIS was a screening assessment to evaluate soil vapor quality in the vicinity of the Site. The VIS was subsequently expanded in phases to areas to the west and northwest of the Site and into the Elmdale Subdivision located to the east of the Site. The VIS included installation of soil vapor probes and collection of soil vapor samples for analysis, and inspection and sampling activities in residences. A summary of VIS-related samples collected during the Phase IIB RFI is provided in Appendix A. Further details concerning the VIS are provided in the following subsections.

3.11.2 VAPOR PROBE INSTALLATION

Separate mobilizations to install soil vapor probes occurred in May 2005, July 2005, August 2005, December 2005, June 2007, September 2007, and January 2010 as summarized below.

- May 2005 VP-1 through VP-7, VP-2a, and VP-4a
- July 2005 VP-8 through VP-10
- August 2005 VP-11 through VP-14
- December 2005 VP-15
- June 2007 VP-16 through VP-28
- September 2007 VP-29 through VP-37
- January 2010 VP-38 through VP-43

Vapor probes installed in 2005 were installed at the locations identified in the approved May 2005 VIS work plan. The locations of the vapor probes subsequently installed in 2005 were selected in consultation with U.S. EPA. VIS investigations conducted during 2007 were conducted consistent with the VIS work plan submitted on May 30, 2007, the subsequent modifications that were approved by U.S. EPA on June 8, 2007, and the VIS work plan submitted to U.S. EPA on September 14, 2007 and approved on September 18, 2007. The vapor probe installation and sampling was performed consistent with the VIS work plan submitted to U.S. EPA on December 30, 2009 and approved on January 5, 2010.

All soil vapor probes were installed using a DPT drilling rig. Soil vapor probe locations are shown on Figure 3.15. The soil vapor probes installed in 2005 were constructed of 0.5-inch diameter PVC materials. The screened interval for each soil vapor probe was 1 foot in length. Soil vapor probes installed after 2005 were constructed of 0.25-inch diameter flexible Teflon-lined tubing connected to a 6-inch long stainless steel screen, consistent with the May 30, 2007 submittal to U.S. EPA. Typical soil vapor probe construction details are provided on Figure 3.16). Where possible, the soil vapor probes were installed to a total depth of 10 feet bgs. At two locations (VP-2a and VP-4a), a second soil vapor probe was set deeper to evaluate the potential attenuation of VOC concentrations in soil vapor vertically within the soil column. At a few locations, soil vapor probes were installed at shallower depths because of borehole refusal on bedrock or because a high water table was present.

On occasion during the RFI, vapor probes that were installed were damaged or lost and required replacement. In these cases, a new vapor probe was installed in close proximity to the location of the original probe and was identified with the same numerical identifier with the addition of an "R" suffix, designating that it was a replacement vapor probe. (For instance, VP-11R is the replacement probe for the original VP-11 vapor probe.) Additionally, three vapor probes (VP-16, VP-17, and VP-19), installed to a depth of 10 feet bgs, were replaced. At each of these locations, the screens were installed into a clay layer and were unable to be sampled due to either vapor lock or retention of water in the screened interval. Replacement probes were installed at these locations (VP-16R, VP-17R, and VP-19R) and were screened at a depth immediately below this clay layer at depths of 18, 15, and 20 feet bgs respectively.

Representative overburden soil samples were collected from selected vapor probes VP-1 through VP-7 and VP-10 through VP-15 for the geotechnical analyses of the soil physical properties of moisture content, dry bulk density, grain size analyses, and fraction of organic carbon content. A minimum of one soil sample was collected from each significant soil type observed during the VIS (see Table 3.2). In July 2005, 11 soil samples were collected from ten boreholes (RB-1 through RB-7 and VP-8 through VP-10) in the vicinity of the house located at 1009 Reimer Street (see Figure 3.15) for TCL VOC analysis.

Stratigraphic and instrumentation logs for the soil vapor probes installed during the VIS are provided in Appendix I.

3.11.3 SOIL VAPOR SAMPLING

Soil vapor samples were collected during several separate mobilizations during the Phase IIB RFI as summarized below:

- May 2005 (VP-1 through VP-7, VP-2a, and VP-4a)
- June 2005 (VP-1 through VP-7, VP-2a, and VP-4a)
- July 2005 (VP-5 and VP-8 through VP-14)
- December 2005 (VP-15)
- January 2006 (VP-15)
- June 2007 (VP-6, VP-7, and VP-14)
- July 2007 (VP-3, VP-4, VP-4a, VP-11, VP-13, and VP-21 through VP-28)

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• August 2007 (VP-3, VP-4, VP-4a, VP-11, and VP-13)

- October 2007 (VP-3R, VP-4R, VP-6R, VP-11R, VP-13R, VP-14R, VP-16R, VP-17R, and VP-21 through VP-37)
- January 2010 (VP-16R, VP-17R, VP-19R, VP-29R, VP-VP-30 through VP-32, VP-35, VP-36R, and VP-37 through VP-43)

The August 2007 sampling round was performed at probe locations where the tracer gas isopropyl alcohol was detected in the samples during the July 2007 sampling round. These locations were resampled because the presence of tracer gas at the concentrations observed suggested that the original samples collected during July 2007 may have been diluted by ambient air.

The soil vapor samples were collected using 6-liter capacity Summa[™] canisters fitted with a laboratory calibrated flow regulation device sized to allow the collection of the soil vapor sample over a 1-hour sample collection time. The Summa[™] canisters were attached to the vapor probe using Teflon tubing and gas tight fittings. Once the canister was attached to the probe, the probe ball valve was opened to permit flow from the probe to the Summa[™] canister. Then, the Summa[™] canister flow regulator was opened to permit collection of the soil vapor sample.

The 1-hour sample collection time for a 6-liter capacity SummaTM canister corresponds to a maximum soil vapor sample collection flow rate of approximately 100 milliliters per minute (mL/min). A maximum flow rate of 200 mL/min was recommended to limit VOC stripping from soil and/or groundwater, prevent the short-circuiting of ambient air from ground surface that would dilute the soil vapor sample, and increase confidence regarding the location from which the sample is obtained. The low flow rate provides the most representative sample of in-situ conditions.

To ensure some residual vacuum in each canister following sample collection, the canister pressure was measured at approximately 50 minutes after start of sample collection using a vacuum gauge provided by the project laboratory [maximum residual vacuum of 10-inch mercury (Hg) was allowed]. At the conclusion of sampling, the residual Summa™ canister vacuum was measured and recorded. A minimum 1-inch Hg vacuum was required for the sample to be considered valid. The vacuum gauge provided by the laboratory was returned with the canister samples to check residual vacuum in the laboratory prior to sample analysis. The residual vacuum reading was recorded on the analytical data report. This check ensured sample integrity from collection through shipping prior to laboratory analysis.

Prior to sample collection, soil vapor probe purging was conducted at a maximum flow rate of 200 mL/min. Two soil vapor probe volumes (calculated based on casing and sand pack volume) were purged to remove potentially stagnant air from the internal volume of the probe to ensure that the sample collected was representative of the formation air drawn into the soil vapor probe. During the sampling, strips of cloth that were soaked in a solution of isopropyl alcohol were wrapped around all fittings to assess whether there was leakage that might affect the sample integrity. The project laboratory analyzed the samples for isopropanol to determine if any leak had occurred.

The soil vapor samples were analyzed for VOCs using U.S. EPA Method TO-14A and Method-TO15. Quality control/quality assurance (QA/QC) measures implemented during the soil vapor sampling event included maintaining a minimum negative pressure in the SummaTM canisters following sample collection, collection of one field duplicate sample, collection of an ambient air sample, implementing a leak detection procedure, and the analysis of a field blank SummaTM canister.

3.11.4 RESIDENTIAL SAMPLING

An indoor air sampling plan was prepared and submitted to U.S. EPA on August 9, 2005, and U.S. EPA approved the plan on August 10, 2005. The indoor air sampling plan included protocols for conducting air sampling and for completing a building survey and questionnaire with the residents. Based on the results of investigations, including soil vapor results from the July and October 2007 sampling events, the document entitled *Indoor Air Sampling Work Plan, Attica, Indiana* (ENVIRON, March 2008a) was submitted to U.S. EPA. That Work Plan described the scope of work to evaluate potential vapor intrusion into specific buildings in the areas west/northwest of the RMC Site. U.S. EPA approved the Indoor Air Sampling Work Plan on March 13, 2008.

In order to determine if indoor air has been impacted by vapor intrusion of TCE, PCE, or degradation products (including cDCE, trans-1,2-dichloroethene [tDCE], 1,1-dichloroethene [1,1-DCE], and vinyl chloride) above IDEM's residential indoor air action levels, the March 2008 Indoor Air Sampling Work Plan proposed the following tasks for 30 buildings:

- completion of IDEM's Indoor Air Building Survey Checklist
- collection and analysis of indoor air samples
- collection and analysis of subslab/crawlspace air samples

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• collection and analysis of ambient (outdoor) air samples

The selection of residences for indoor air sampling activities focused on construction types that may have had an increased potential for vapor intrusion (e.g. basements, crawlspaces, and older homes). These residences were selected from within the area identified as having an increased potential for vapor intrusion based on the concentrations of TCE and PCE in soil vapor, the proximity to the RMC Site, the groundwater flow direction, and the depth to groundwater.

Access was sought from the owners of the 30 residences with the issuance of certified letters. Ultimately, access agreements were obtained from 24 of the 30 owners of the residences identified in the 2008 Indoor Air Sampling Work Plan. However, access agreements were sought and sampling was performed at 33 residences in addition to the 30 residences identified in the Indoor Air Sampling Work Plan. As of December 2009, residential vapor intrusion sampling was performed at 54 residences located inside and 3 residences located outside the area identified in the Indoor Air Sampling Work Plan. Residential vapor intrusion sampling continues beyond the date of this submittal.

During the sampling in each residence, the residents were asked to keep the windows and doors closed to the extent possible (i.e., except for the resident's ingress and egress) and keep the heating or air conditioning system operating normally. The indoor air samples were collected using 6-liter capacity SummaTM canisters fitted with a laboratory calibrated flow regulation device sized to allow the collection of the soil vapor sample over a 24-hour sample period. The SummaTM canisters were placed between approximately 4 to 5 feet above the floor near the center of the residence away from windows, doors, and ventilation influences.

Crawlspace samples were collected using 6-liter capacity SummaTM canisters fitted with a laboratory-calibrated flow regulation device sized to allow the collection of the soil vapor sample over a 24-hour sample period. The SummaTM canisters were placed near the center of the footprint of the residence within the crawlspace.

The subslab probes were installed using a rotary hammer drill or equivalent equipment. A 3/8-inch diameter hole was drilled through the concrete floor approximately 2 inches below the slab in an inconspicuous location. If carpets were present, care was taken to disturb the carpeting as little as possible. The holes were then over-drilled with a 1-inch diameter drill bit approximately 1 inch deep. The over-drilling allowed for installation of a near flush mounted soil vapor probe into the floor. The vapor probes were constructed of stainless steel tubing approximately 2 inches long, with 1/4-inch outside diameter (OD) by 1/8-inch NPT Swagelock stainless-steel compression fittings. The probes were inserted into the hole and sealed into place with quick drying cement and

allowed to cure for at least 48 hours prior to sampling. Typical subslab probe construction details are provided on Figure 3.17

A summary of the steps involved in the subslab sampling protocol is presented below.

- i) Soil vapor samples were collected using laboratory-supplied 6-liter capacity certified-clean Summa™ canisters.
- ii) The soil vapor probes were purged prior to sampling using a personal sampling pump complete with low flow valves. Purging was performed at a flow rate of approximately 200 mL/min. Approximately 2 liters of air was removed from each probe prior to sample collection.
- iii) Prior to purging, a vacuum test or tightness test was conducted on the sampling assembly as a leak test. The vacuum test consisted of opening the valve to the personal sampling pump, leaving closed the valve to the SummaTM canister and the valve to the gas probe. The pump was then operated to ensure that it drew no air from the sampling assembly (i.e., created a negative pressure, or vacuum within the sampling assembly), thus establishing that all sampling assembly connections were air-tight. The reading of the vacuum gauge pressure was recorded in the field logbook.
- iv) At the start and the end of the purging period, the concentration of VOCs in the personal sampling pump exhaust gas was recorded with a portable PID to screen for the presence of VOCs. Typical PID instrument flow rates vary from approximately 300 mL/min to 500 mL/min (depending on manufacture and model), and monitoring from vapor probes was minimized during purging activities to reduce soil vapor disturbance. PID readings were recorded and entered in the field logbook.
- v) Following purging, a 6-liter capacity Summa™ canister was connected to the vapor probe and opened to draw in a vapor sample. At each vapor probe, the Summa™ canister was connected to the vapor probe using Teflon tubing and gas tight fittings. New Teflon tubing was used at each probe location.
- vi) The 6-liter capacity Summa™ canisters were fitted with a laboratory calibrated critical orifice flow regulation device sized to allow the collection of the soil vapor sample over a 24-hour sample collection time. The 24-hour sample collection time for a 6-liter capacity Summa™ canister corresponds to a maximum soil vapor sample collection flow rate of approximately 100 mL/min. This soil vapor sample collection flow rate corresponds to the maximum flow rate recommended to limit VOC stripping from soil, and increases confidence regarding the location from which the soil vapor sample was obtained.

- vii) To ensure some residual vacuum in each canister following sample collection, the canister pressure was measured at approximately 23 hours after start of sample collection using a vacuum gauge provided by the laboratory. A maximum residual vacuum of 10-inches Hg was allowed. A canister with residual vacuum above this value was left to continue sampling until the vacuum reading was below the threshold.
- viii) The residual Summa™ canister vacuum was measured and recorded. A minimum 1-inch Hg vacuum was required for the sample to be considered valid, or the sampling was repeated using a fresh Summa™ canister. Once the vacuum was measured, the safety cap was securely tightened on the inlet of the Summa™ canister prior to shipment to the laboratory under chain of custody procedures.
- ix) The vacuum gauge provided by the laboratory was returned with the canister samples to check residual vacuum in the laboratory prior to sample analysis and recorded on the analytical data report. This check ensured sample integrity prior to laboratory analysis.
- x) All canisters were pre-cleaned at the laboratory in accordance with U.S. EPA's TO-15 and TO-15 SIM method, and documentation of the cleaning activities was provided.
- xi) The critical orifice flow regulation devices, provided by the laboratory, were not reused to help limit any cross-contamination issues.
- xii) Sampling tube connectors/fittings to be reused during sampling were cleaned by purging the orifice with zero air for a minimum of 45 seconds at a minimum of 75 pounds per square inch (psi).
- xiii) The canisters were labeled noting the unique sample designation number, date, time, and sampler's initials. A bound field logbook was maintained to record all soil vapor and air sample data.

The indoor air samples were analyzed using U.S. EPA Method TO-14A GC/MS and U.S. EPA Method TO-15. QA/QC measures implemented during the soil vapor sampling event included maintaining a minimum negative pressure in the Summa™ canisters following sample collection, collection of an ambient air sample, and the analysis of a field blank Summa™ canister. Additionally, ambient air samples were obtained during soil gas and residential sampling activities. Ambient air sampling locations are shown on Figure 3.18

3.12 ARTESIAN WELL

3.12.1 <u>WATER DRAINAGEWAY SOIL SAMPLING</u>

During the Phase IIB RFI, a flowing artesian well was observed in an undeveloped portion of land located to the northwest of the Joe Riley, Jr. residence located north of Summit Street (see Figure 3.11). During February 2004, field measurements indicated a flow of 10 to 12 gpm from the well, which consisted of a 5-inch diameter casing that stood approximately 1.5 feet above the ground surface and was filled with cobbles. According to Mr. Riley, the history of this well is uncertain. Groundwater that emerged from the artesian well flowed along the ground surface in a drainage channel, generally towards the northwest. Photographs of the flowing artesian well are provided in Appendix J.

Water samples were collected from the artesian well for VOCs, selected metals and selected general chemistry parameter analysis. These samples were obtained directly in laboratory-supplied containers. As requested by U.S. EPA, three sets of soil samples were collected along the northwesterly trending drainageway that leads away from the artesian well (Figure 3.19). At each of these three locations, two surface soil samples were collected. One surface soil sample was collected from the middle of the drainageway at each location using a pre-cleaned stainless steel garden shovel. The second surface soil sample at each location was collected from the adjacent bank of the drainageway, approximately 10 to 15 feet away from the drainageway, using a pre-cleaned hand auger. The collected soil samples were immediately placed into pre-labeled laboratory supplied sample containers. Soil samples were analyzed for TCL VOCs by the project laboratory.

3.12.2 <u>ARTESIAN WELL CLOSURE</u>

U.S. EPA approved the closure of the artesian well on April 5, 2005, and the artesian well was closed in accordance with IDNR regulations (312 IAC 13-10-2). The artesian well was closed by drilling out the cobbles to the bottom of the casing. During closure, the well was observed to be constructed in the shallow overburden deposits to a depth of approximately 8 feet bgs. Once the well annulus was cleared, the well was plugged with bentonite chips as the casing was pulled. The surface was restored to existing grade.

3.13 <u>DATA MANAGEMENT AND VALIDATION</u>

Protocols for sample collection, sample handling and storage, chain-of-custody documentation, field measurements, and laboratory analyses of environmental media samples obtained during the Phase II RFI are described in the QAPP. Analysis of environmental media samples obtained during the Phase IIB RFI was performed by Columbia Analytical Services (CAS) of Kelso, Washington and TestAmerica Laboratories, Inc. (TestAmerica) of Los Angeles, California in accordance with U.S. EPA analytical methods. CAS and TestAmerica delivered the analytical results in Electronic Data Deliverables (EDD) format and the analytical reports in electronic and/or hard copy format. The EDDs obtained from CAS and TestAmerica were used to develop a comprehensive Phase IIB analytical database, which was used to generate the summary tables and figures provided in this report.

CRA's quality control officer conducted an analytical data quality assessment and validation of the results obtained from CAS and TestAmerica. The evaluation of the analytical data for accuracy and precision was based on QA/QC information provided by CAS and TestAmerica. The QA/QC information included laboratory method blank data, matrix spike and surrogate spike compound recovery data, laboratory check sample recovery data, and instrument tuning and calibration data.

Based upon the results of the data quality assessments and validations, the analytical data were determined to be valid and suitable for the intended use for this project with only minor qualifications. Table 3.5 provides a summary of data qualifiers.

Tabulated summaries of the Phase IIB RFI analytical data are provided in the appendices as follows:

- Soil Analytical Data Appendix K
- Sediment and Surface Water Analytical Data Appendix L
- Groundwater, Grab Groundwater, and Artesian Well Analytical Data Appendix M
- On-Site Production Well and Residential Water Analytical Data Appendix N
- Ambient Air and Soil Vapor Analytical Data Appendix O
- Indoor Air, Crawlspace Air, and Subslab Vapor Analytical Data Appendix P

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4.0 GEOPHYSICAL, SOIL, SEDIMENT AND SURFACE WATER INVESTIGATION RESULTS

4.1 OVERVIEW

Geophysical, soil, sediment, and surface water investigation activities were performed in SWMUs and AOCs pursuant to or as a result of the Phase IIB RFI Work Plan and Supplemental Phase IIB SOW. The scope of the investigation in the various units was based on the reported activities and chemical usage in each area and the results of previous investigations.

SWMUs and AOCs investigated during the Phase IIB RFI included the following:

- SWMUs 1 and 2
- SWMU 3
- SWMU 5
- SWMU 11/AOC 2
- AOC 3A
- AOC 3B

In addition, the following activities were completed:

- investigation of the concentrations of inorganic analytes in background soil
- collection of sediment samples from the artesian well drainageway
- collection of soil samples from the area around the house located at 1009 Reimer Street
- collection of surface water and sediment samples from Riley Lake

The following subsections summarize the results of these investigations. The analytical data generated during the Phase IIB RFI were compared to IDEM's RDCLs and Industrial Default Closure Levels (IDCLs) for discussion purposes only and should not be considered cleanup objectives for the Site. Rather, risk-based cleanup objectives will be developed during the CMS consistent with applicable U.S. EPA and IDEM guidance. In response to the findings of the Phase IIB RFI, a number of ICMs were developed and implemented to address soil impacts. The ICMs implemented addressed soil impacts in SWMUs 1 and 2, SWMU 5, SWMU 11 and the part of AOC 2 located south of Summit Street (SWMU 11/AOC 2), and AOC 3B. These ICMs are discussed in Section 7.0.

4.2 BACKGROUND SOIL SAMPLES

4.2.1 OVERVIEW

In 2003, 19 soil samples were collected at ten bedrock well locations (BW-01 through BW-10) during boring advancement. Surficial (0 to 0.5 foot bgs) and subsurface soil (1 to 3 feet bgs) samples were collected from each bedrock well boring for TAL metals analysis in order to determine background soil metal concentrations for the Site, with the exception of location BW-04, where only a subsurface sample was obtained. Each sample was submitted to an analytical laboratory for TAL metals analysis. The background soil sampling analytical data are presented in Table 4.1. The bedrock monitoring well locations are depicted on Figure 3.11.

4.2.2 METHODOLOGY FOR ESTABLISHING BACKGROUND CONCENTRATIONS

The calculation of background threshold values is discussed in Chapters 3 (for datasets without non-detects) and 5 (for datasets with non-detects) of the technical guide for U.S. EPA's ProUCL software (U.S. EPA 2009). Additional guidance related to the comparing on-site conditions to background is provided in U.S. EPA (1995). The goal of developing background concentrations at the Site was to provide values against which individual data points from on-Site locations could be compared, as opposed to performing group-based comparisons of multiple data within defined on-Site areas against background.

The methods presented in U.S. EPA (2009) for establishing statistical upper prediction limits for use as background threshold concentrations was used for this Site. This approach facilitates a point-by-point comparison of analytical results against the background threshold values. This statistical methods use the background data to calculate the upper limit of background, below which analyte concentrations in the next 'future' sample collected from soils consistent with background conditions are expected to fall with a specified probability. In calculating the background threshold values, a statistical confidence level of 99 percent was used, which is consistent with the background method found in USEPA (1995) – the mean plus three standard deviations – which is a rough estimate of the 99th percentile of background concentrations if the data are approximately normally distributed. Such values may represent a lower percentile of background if the data are skewed (e.g., if they follow a lognormal distribution).

Prior to computing background threshold values, ProUCL evaluates the data distribution (i.e., normal, gamma-distributed, lognormal, or unknown) of the background data set. Data distribution was evaluated using the Shapiro-Wilk W-test, the Kolmogorov-Smirnov test and/or the Anderson-Darling test, all of which are described in detail in U.S. EPA (2009). As well, the presence of statistical outliers can be evaluated by ProUCL using either Dixon's Test, for data sets containing up to 25 observations, or Rosner's Test, for data sets containing more than 25 observations, using the appropriate data distribution identified by the Shapiro-Wilk test. In both data distribution and outlier testing, a significance level of 0.05 (i.e., 95 percent confidence) was used.

Background threshold values are calculated by ProUCL using methods appropriate for the different data distributions identified for the background data sets. Where statistical outliers are identified in background, the influence of such points on the background values obtained is assessed by recomputing background values with and without the outlying points. Background values are computed separately for each soil stratum considered, in this case for: (i) surficial soils (0-0.5 feet below ground surface); and (ii) subsurface soils (1-3 feet below ground surface).

4.2.3 RESULTS

The results of the data characterization (normality and outlier) testing, as well as the calculated background (upper prediction limit) values, are presented in Table 4.2. The output from ProUCL 4.00.04 with the calculated background values highlighted is provided in Appendix Q.

The evaluation of the background surficial soil data (0-0.5 feet bgs samples) indicated that nine analytes were normally distributed, eight others were gamma distributed, one was lognormally distributed, and four parameters did not follow a discernable distribution. Statistical outliers were flagged for cadmium (one high value of 0.88 mg/kg, and one low value of 0.17 mg/kg), iron (one high value of 27,600 mg/kg), lead (one high value of 86.4 mg/kg), and silver (one high value of 12.6 mg/kg). In cases where statistical outliers were found, the background values for the given parameters were calculated twice, once including and once excluding the outlier(s). Excluding the outliers, three gamma-distributed data sets changed to being normally distributed, and one (silver) not following a discernable distribution changed to being gamma distributed. The most noteworthy change in background values including and excluding outliers was for silver, with the outlier value of 12.6 mg/kg at BW-02 being

well over an order of magnitude higher than the next highest value, and its removal lowering the calculated background value by over an order of magnitude.

All but two of the background subsurface data sets (1-3 feet bgs samples) were found to be normally distributed (nickel and silver were lognormally distributed). Two statistical outliers were identified, for arsenic (one high outlier of 12.8 mg/kg) and for silver (one high outlier of 0.67 mg/kg). Excluding the outliers, the arsenic data set remained normally distributed, and the silver data set changed from being lognormally distributed to following a normal distribution. As was the case for the surface samples, removal of the high silver value at BW-02 (again, greater than the next highest value by an order of magnitude) had the largest influence on the calculated background value (reducing the background value by over an order of magnitude).

The background values calculated in Table 4.2 are suitable for use in point-by-point comparisons of Site data against background. In cases where statistical outliers were found, both calculated values (with and without outlier[s]) should be considered for comparison. Table 4.2 also provides a comparison of the calculated soil background concentrations with the IDEM RDCLs and IDCLs. It is noted that the background concentration of arsenic exceeds both the RDCL and the IDCL established by IDEM.

4.3 SWMUs 1 AND 2 INVESTIGATION RESULTS

4.3.1 GEOPHYSICAL INVESTIGATION RESULTS

4.3.1.1 <u>EM-31 SURVEY RESULTS</u>

The EM-31 data were processed as colored, contour plots, which were superimposed on a survey plan of SWMUs 1 and 2. The EM-31 terrain conductivity results are presented on Figure 4.1, and the EM-31 metal detection results are found on Figure 4.2. Review of Figure 4.1 indicates that the background conductivity of 3 to 4 milliSiemens per meter (mS/m) was coincident with the sand and gravel ridge located in the southern portion of the surveyed area. As the survey progressed northward, the conductivity was observed to rise up to 8 to 10 mS/m in the corresponding low-lying area. These results are attributed to a presence of more conductive fines (silts and clays) in the northern half of the survey area, and a lack of these fine-grained soils further south where the sand and gravel ridge was present.

Peak conductivities on the order of 16 to 28 mS/m were observed in close proximity to surficial metal objects, including abandoned farm equipment and the pile of scrap metal

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debris in the northwest corner of the survey grid. In addition, suppressed (i.e., negative) conductivity results were delineated near the center of the low-lying area and in the southeast corner of the survey grid. These features are also evident on the plot of EM-31 metal detection results (Figure 4.2), and are further discussed below.

The metal detection results presented on Figure 4.2 reveal that the majority of the survey area was characterized by background metal detection responses of 2 to 3 parts per thousand of primary field strength. Because metal detection anomalies can be expressed both as negative responses or elevated positive responses (based on small or large-sized objects, respectively, relative to the EM-31 boom length), it is evident that the surficial metal features (i.e. scrap metal debris pile and abandoned farm equipment) were relatively large. However, negative metal detection responses indicate that smaller, discrete metallic objects were also buried within the survey area, particularly in the vicinity of grid locations 650N and 250E.

4.3.1.2 GROUND PENETRATING RADAR (GPR) SURVEY RESULTS

The GPR data collected during the survey were processed as trace plots or profiles, which have been superimposed on a Site Plan detailing SWMUs 1 and 2 (Figure 4.3). The GPR survey trace plots are also presented on Figure 4.3. These results are further described as follows.

Review of the GPR results for line 125E indicates that the stratigraphy to the west of SWMUs 1 and 2 is generally characterized by horizontal sequences, as indicated by the relatively flat reflector traces along this line. However, between lines 150E to 275E, the reflector traces are not flat and instead appear curved, wavy, and disjointed. This GPR response is typical of areas that have been excavated and backfilled. For each GPR profile between lines 150E and 275E, suspected limits of excavation have been identified with red arrows along the right-hand side of Figure 4.3. The entire suspected limits of excavation within SWMUs 1 and 2, based on the GPR survey results, have also been compiled in plan view, to the left of the GPR profiles on Figure 4.3. Although the curved nature of some reflectors in this area (line 225E at the north limit of excavation) indicates that buried objects are present, the composition of these objects (i.e., buried rock or phenolic resin) cannot be verified based on the GPR signature.

4.3.2 <u>TEST PIT INVESTIGATION RESULTS</u>

4.3.2.1 <u>TEST PIT OBSERVATIONS</u>

Ten test pits (TP-A through TP-J) were excavated in 2003 in the vicinity of SWMUs 1 and 2. Six of the test pits (TP-A, TP-B, TP-D, TP-E, TP-F, and TP-G) were excavated to obtain detailed lithologic information and delineate the boundaries of SWMU 2, while the remaining four test pits (TP-C, TP-H, TP-I, and TP-J) were dug to investigate the anomalous features identified during the geophysical surveys. Seventeen soil samples were collected from the test pits and submitted for TCL VOC and TAL metal analyses. Upon completion of each test pit, all excavated material was returned to the pit and compacted to the extent possible using the excavation equipment. The test pit locations are depicted on Figure 3.2, and the analytical sample results are included in Tables 4.3 and 4.4.

The scope of work presented in the Phase IIB RFI Work Plan called for the excavation of seven test pits in the vicinity of SWMU 2. The GPR survey conducted in the SWMU 1 and 2 areas revealed variations in the subsurface materials in the south-central portion of SWMU 1, which was interpreted to represent the area of disturbed soil associated with SWMU 2. Two north/south trending test pits were dug along the northern and southern boundaries of the suspect area (TP-F and TP-G, respectively) in an attempt to delineate the location and boundaries of SWMU 1. As discussed below, inspection of the materials removed from these test pits indicated that native, unconsolidated materials were present, with a change in lithology from sand and gravel in the south to silty soil in the north. The location of the change in lithology observed in the field corresponded to the location of the subsurface material change noted in the GPR survey. Therefore, it was determined that the material change noted in the GPR study was a naturally occurring change in the lithology rather than the presence of the SWMU 2 area. Test pit TP-E was excavated in a south to north direction beginning within the area of lithology change noted in the GPR study, until the southern limit of SWMU 2 was encountered. As described below, excavation of test pit TP-E was continued in a northerly direction until the northern boundary of SWMU 2 was encountered. Test pits TP-A, TP-B, and TP-D were then excavated to delineate the eastern and western boundaries of the SWMU 2 area.

The following is a summary of the physical observations made during the test pit excavation activities. A photographic log of test pit excavation activities is provided in Appendix D.

TEST PIT A

Test pit TP-A was excavated in the east-central portion of SWMU 1 to locate the eastern edge of the suspected SWMU 2 fill area. This test pit was approximately 6 to 7 feet deep and dug from east to west, beginning at a point just south of soil boring SB-148. The eastern edge of the fill area was encountered approximately 25 feet west of SB-148. Fill material encountered approximately 3 feet bgs was primarily comprised of bags containing a moist white solid material. The natural soil in this area was comprised of silt containing varying amounts of clay and sand. Soil sample S-092503-JM-029 was collected at a depth of approximately 4 feet bgs, immediately beneath the fill material at the western end of the trench.

TEST PIT B

Test pit TP-B was excavated as a single trench parallel and just north of TP-A. As with TP-A, this trench was excavated in order to help identify the eastern boundary of the fill area. This trench contained naturally occurring silty soils with no indications of disturbance or any backfill material placed in this area. TP-B was determined to have been located in native materials outside the fill area and therefore no samples were collected.

TEST PIT C

Test pit TP-C was located just south of TP-B. This pit was excavated in order to help identify the magnetic anomaly detected in this same area during the EM-31 geophysical survey. Two buried steel drums were discovered in this area at a depth of approximately 1 foot bgs. Both of the drums were damaged and were partially filled with fluid. A PID was used to screen the drum contents, with a maximum PID reading of 30 parts per million (ppm). No odors were noted. An apparent third drum was noted beneath the two identified drums, but could not be accessed without disturbing the overlying drums. Plastic bags containing apparent phenolic resin (a moist solid material with a distinctive yellow color), stained and wet soils, and drum rings and lids were also encountered in TP-C. Soil samples S-092503-JM-030 and S-092503-JM-031 were collected from an area of wet and stained soils at a depth of 2 to 2.5 feet bgs near the northwestern corner of TP-C. Soil samples S-092503-JM-032 and S-092503-JM-033 were collected at depths of approximately 3.5 feet bgs and adjacent to the buried drums. The drums were left in place and covered with the material removed from the pit.

TEST PIT D

Test pit TP-D is comprised of three small pits that were excavated in order to identify the western boundary of the fill area. The material in the first westernmost pit was determined to be natural silt with varying amounts of clay and sand, so a second pit was excavated slightly farther east. The second pit also contained native material, so a third pit was excavated slightly farther east. The western edge of the fill area was encountered in the third trench approximately 8 feet east of boring B-146. The fill consisted of moist white and yellow residue that was, in some cases, contained in plastic bags and in other cases was loose. This material was initially encountered about 0.5 feet bgs and sloped to greater depths to the east. Soil samples S-092503-JM-034, S-092503-JM-035, and S-092503-JM-036 were collected at the eastern end of TP-D below the fill material, above the fill, and adjacent to the fill, respectively. The material removed from each of the test pits was replaced and compacted to the extent possible using the excavation equipment.

TEST PIT E

As previously stated, test pit TP-E started in the northeast corner of the suspected SWMU 2 area and proceeded north-northwest for approximately 105 feet. The first 25 linear feet of excavation revealed what appeared to be undisturbed native sand and gravel. Continuing northward, the surficial sand and gravel graded to clayey silt that increased in thickness to the north. Soil samples S-092503-JM-021 and S-092503-JM-022 were collected from the clayey silt at depths of 3 feet and 6 feet bgs, respectively. Approximately 20 linear feet north of the point where the lithology change was noted (45 linear feet north of TP-E's starting location), a 2-foot thick layer of bags of yellow phenolic resin was observed at a depth of approximately 3 feet bgs.

One soil sample (S-092503-JM-023) was collected at a depth of 3 feet bgs from wet, green and yellow stained soil. Approximately 10 feet farther north, an approximately 18 linear foot area was encountered that contained debris, including wood, a 5-gallon bucket containing a block of lead, and scrap steel. At the northern edge of this area, bags containing moist yellow phenolic resin or an unidentified moist gray sludge were encountered immediately beneath the surface. Loose, dry yellow and gray materials were also noted in this area. A strong organic odor emanated from these materials and PID instrument responses were noted in the breathing zone near the trench. Excavation activities were terminated and personnel were moved to the upwind side of the trench.

The dirt and soil removed from the test pit was placed back into the pit to cover the fill materials. Excavation resumed at a location approximately 15 feet farther north, where

approximately 4 feet of native silty soils underlain by native sand and gravel were encountered. Soil samples S-092503-JM-024 and S-092503-JM-025 were collected at depths of approximately 1 foot bgs and 4 feet bgs, respectively, in this section of the trench.

TEST PITS F and G

Test Pits F and G were excavated in a north to south direction along the northern and southern boundaries of the suspect area identified during the GPR study in an attempt to delineate the location and boundaries of the SWMU 1 fill area. Both of these trenches were approximately 20 feet long with an average depth of 6 to 8 feet bgs. Inspection of the materials removed from these test pits revealed the presence of sand and gravel from the ground surface to the depth investigated. Observations of the trench sidewalls revealed graded sands and gravels, with imbricated clasts observed in some areas, indicating that the materials were naturally occurring and undisturbed. Soil sample S-092303-JM-020 was collected from a moist clayey zone approximately 4 to 6 feet bgs on the northern end of Test Pit F.

TEST PIT H

Test pit H was excavated in order to help identify the magnetic anomaly detected in this area during the EM-31 magnetic survey. One rusted and damaged metal drum was discovered at a depth of approximately 1 to 2 feet bgs. The drum contained a small amount of clear liquid that appeared to be water and a small amount of sludge. Detectable PID readings were recorded from the materials within the drum. Three soil samples (S-092303-JM-026, S-092303-JM-027, and S-092303-JM-028) were collected from the sides and beneath the drum.

TEST PIT I

Test pit TP-I was excavated immediately south of TP-H to further investigate the magnetic anomaly discovered during the geophysical survey. Native soils were encountered in the test pit and no further investigation was conducted in this area.

TEST PIT J

Test pit TP-J was excavated in the southeastern portion of the SWMU 1 and 2 areas to investigate a small magnetic anomaly. An empty, crushed drum was discovered immediately beneath the ground surface in this area. No staining, odors, or other

evidence of chemical impacts were observed to be associated with the drum, and no further investigation was conducted in this area.

4.3.2.2 TEST PIT SOIL ANALYTICAL DATA

Seventeen soil samples were collected from the test pits and submitted for TCL VOC and TAL metal analyses. Upon completion of each test pit, the excavated material was returned to the pit and compacted to the extent possible using the excavation equipment. Test pit soil sampling locations are shown on Figure 3.2. A summary of TCL VOCs and TAL metals data is provided below.

VOCs

VOCs detected in the test pit soil samples included 1,1-DCE, 1,2,4-trimethylbenzene (1,2,4-TMB), 1,3,5-trimethylbenzene (1,3,5-TMB), cDCE, tDCE, ethylbenzene, iospropylbenzene, m&p-xylene, o-xylene, PCE, toluene, and TCE. However, only 1,1-DCE, cDCE, PCE, and TCE were detected at concentrations above the RDCL. TCL VOC analytical data for the test pit investigation are summarized in Table 4.3 and on Figure 4.4.

Only one of the 17 test pit samples contained a detectable concentration of 1,1-DCE of 0.11J mg/kg, which is above the RDCL of 0.058 mg/kg but below the IDEM RISC IDCL) of 42 mg/kg.

Seven of the 17 test pit soil samples contained detectable concentrations of cDCE ranging from 0.0035 to 110 mg/kg. cDCE was detected at concentrations above the RDCL of 0.4 mg/kg and the IDCL of 5.8 mg/kg in two of the test pit soil samples.

PCE was detected in all 17 test pit soil samples at concentrations ranging from 0.017 to 1,000 mg/kg. PCE was detected at concentrations above the RDCL of 0.058 mg/kg in 15 of the 17 test pit soil samples. The PCE concentrations in 13 of the 17 soil samples from the test pits were above of the IDCL of 0.64 mg/kg.

TCE was detected in 14 test pit soil samples at concentrations ranging from 0.00036J to 77J mg/kg. TCE was detected in 10 of the 17 test pit soil samples at concentrations above the RDCL and IDCL of 0.057 mg/kg and 0.082 mg/kg, respectively.

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METALS

TAL metals were detected in all of the test pit soil samples collected. Antimony and silver were detected at concentrations above the IDCLs and arsenic, barium, copper, lead were detected above the RDCL in the test pit soil samples. TAL metals analytical data for the test pit investigation are summarized in Table 4.4 and on Figure 4.5.

Antimony was detected in 16 soil samples at estimated concentrations ranging from 0.05 to 54.9 mg/kg. One of these samples contained antimony at a concentration above the RDCL of 5.4 mg/kg and IDCL of 37 mg/kg. Antimony was detected in six of the test pit soil samples at concentrations above the subsurface soil Site-specific background concentration of 0.252 mg/kg for subsurface soil.

Arsenic was detected in all 17 of the test pit soil samples at concentrations ranging from 0.8 to 23.8 mg/kg. Arsenic was detected in 15 of the test pit soil samples at concentrations above the RDCL of 3.9 mg/kg. Only one of the samples contained arsenic at a concentration above the IDCL of 20 mg/kg. Two soil samples contained arsenic at concentrations above the subsurface soil Site-specific background level of 10.6 mg/kg.

All 17 soil samples contained detectable concentrations of barium ranging from 26.4 to 6,290 mg/kg. Barium was detected at concentrations above the RDCL of 1,600 mg/kg in two of the test pit soil samples and above the IDCL of 5,900 mg/kg in one test pit soil sample. The concentration of barium was above the subsurface soil Site-specific background concentration of 181 mg/kg for subsurface soil in nine of the test pit soil samples.

Copper was detected in all 17 of the test pit soil samples at concentrations ranging from 10.5 to 1,790 mg/kg and exceeded the RDCL of 920 mg/kg in two of the test pit soil samples. Copper was not detected at concentrations above the IDCL in any of the test pit soil samples. The concentration of copper was above the subsurface soil Site-specific background concentration of 24 mg/kg in seven of the test pit soil samples.

All 17 test pit soil samples contained concentrations of lead that ranged from 9.62 to 162 mg/kg. Two of these samples contained concentrations of lead that were above the RDCL of 81 mg/kg. Lead was not detected at concentrations above the IDCL in any of the test pit soil samples. The concentration of lead was above the subsurface soil Site-specific background concentration of 40.8 mg/kg in three of the test pit soil samples.

Sixteen of the 17 test pit soils samples contained detectable concentrations of silver, ranging from 0.04 to 129 mg/kg. Two of these samples contained silver at concentrations that were above the RDCL and IDCL of 31 mg/kg and 87 mg/kg, respectively. The concentration of silver was above the subsurface soil Site-specific background concentration of 0.132 mg/kg in 12 of the test pit soil samples.

4.3.3 SOIL BORING INVESTIGATION RESULTS

Nearly 300 discrete soil samples were collected from soil borings advanced in the SWMU 1 and 2 areas. These soil samples were collected at various depth intervals and analyzed for VOCs, SVOCs, TAL metals, and PCBs. The following discussion details the soil sampling analytical results by depth intervals. Consistent with IDEM's RISC guidance, only soil samples collected from the 0 to 0.5-foot bgs depth interval were considered surface soil samples. All other soil samples are considered subsurface soil samples even if the depth interval overlaps with the 0 to 0.5-foot depth interval (i.e., 0 to 2-foot bgs and 0.5 to 1.5-foot depth intervals). This convention was applied to all soil samples obtained during the Phase IIB RFI.

4.3.4 <u>SWMUS 1 AND 2 SURFACE SOIL ANALYTICAL DATA</u>

Twenty-one surface soil samples were collected from the 0 to 0.5 foot depth interval in the SWMU 1 and 2 areas. Twelve of the surface soil samples were collected on the 50-foot grid that was used to identify and delineate the source area and were analyzed for TCL VOCs and TAL metals. The other surface soil samples were collected northwest of the SWMU 1 and 2 areas where solid waste was visible at the surface, and these samples were analyzed for TAL metals.

VOCs

A summary of TCL VOCs detected in the surface soils at concentrations above the RDCL is provided in Table 4.5 and on Figure 4.6. Surface soil analytical data are discussed below.

VOCs detected in the surface soil samples collected in the SWMU 1 and 2 areas included 1,1,1,2-tetrachloroethane (1,1,1,2-PCA), cymene, naphthalene, PCE, and TCE. However, PCE was the only VOC detected at a concentration above the RDCLs or IDCLs.

PCE was detected in 10 of the surface soil samples at concentrations ranging from 0.00068J mg/kg to 1.6 mg/kg. PCE was detected in four surface soil samples at concentrations above the RDCL of 0.058 mg/kg. PCE was detected in one surface soil sample at a concentration above the IDCL of 0.64 mg/kg.

TAL METALS

A summary of surface soil TAL metals results is provided in Table 4.6 and on Figure 4.7. Antimony, arsenic, barium, and silver were the only metals detected at a concentration above the RDCLs in surface soil samples. These analytical results are discussed further below.

Antimony was detected at concentrations ranging from 0.06 to 9.04 mg/kg and exceeded the RDCL of 5.4 mg/kg in only one of the samples. None of the samples contained antimony at a concentration above the IDCL of 37 mg/kg. Only two of the samples contained antimony at a concentration above the Site-specific background level of 0.606 mg/kg for surface soil.

All 21 surface soil samples contained detectable concentrations of arsenic at concentrations ranging from 1.76 to 11.5 mg/kg. All but one of the soil samples contained arsenic at concentration above the RDCL of 3.9 mg/kg. There were no arsenic detections above the IDCL of 20 mg/kg. None of the samples contained arsenic at concentrations above the Site-specific background level for surface soil of 17.9 mg/kg.

Barium was detected in the surface soil samples at concentrations ranging from 9.6 to 5,540 mg/kg. Two of the surface soil samples contained a concentration of barium above the RDCL of 1,600 mg/kg and above the surface soil Site-specific surface soil background level of 897 mg/kg. None of the surface soil samples contained barium at concentrations above the IDCL of 5,900 mg/kg.

The concentrations of silver ranged from 0.024 to 71.8 mg/kg. Two of the surface soil samples contained silver at concentrations above the RDCL of 31 mg/kg. None of the surface soil samples contained silver at concentrations above the IDCL of 87 mg/kg. Nine of the surface soil samples contained silver at concentrations above the surface soil Site-specific background level for silver of 1.07 mg/kg.

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4.3.5 SWMUs 1 AND 2 SHALLOW SUBSURFACE SOIL SAMPLES

Soil samples collected from the 0 to 10-foot bgs depth interval in the SWMU 1 and 2 area were considered shallow subsurface soil samples. A summary of the shallow subsurface soil samples obtained from the SWMU 1 and 2 area is provided below.

VOCs

A total of 154 shallow subsurface soil samples were collected and analyzed for TCL VOCs. A summary of TCL VOCs detected in the subsurface soil samples to a depth of 10 feet bgs is provided in Table 4.7 and on Figure 4.8.

VOCs detected in the shallow subsurface soil samples included 1,2,4-TMB, 1,2-dichlorobenzene (1,2-DCB), 1,3,5-TMB, 2-phenylbutane, 4-methyl-2-pentanone (MIBK), acetone, cDCE, cymene, ethylbenzene, isopropylbenzene, xylenes, methylene chloride, naphthalene, n-butylbenzene, n-propylbenzene, styrene, PCE, toluene, and TCE. 1,2,4-TMB, 1,3,5-TMB, cDCE, methylene chloride, naphthalene, PCE, and TCE, were detected above their respective RDCLs.

1,2,4-TMB was detected in one of the shallow subsurface soil samples at a concentration of 2.7 mg/kg, which is above the RDCL of 2.5 mg/kg but below the IDCL of 170 mg/kg. 1,3,5-TMB was detected in one of the shallow subsurface soil samples at a concentration of 0.99 mg/kg, which is above the RDCL of 0.61 mg/kg but below the IDCL of 68 mg/kg.

cDCE was detected in three of the shallow subsurface soil samples at concentrations ranging from 0.0024 to 2.2 mg/kg. cDCE was detected in one shallow subsurface soil sample at a concentration of 2.2 mg/kg, which is above the RDCL of 0.4 mg/kg but below the IDCL of 5.8 mg/kg.

Methylene chloride was detected in 57 of the shallow subsurface soil samples at concentrations ranging from 0.0014 to 0.03J mg/kg. The methylene chloride concentration was above the RDCL of 0.023 mg/kg in one of the shallow subsurface soil samples. Methylene chloride was not detected at concentrations above the IDCL of 1.8 mg/kg.

Naphthalene was detected in one of the shallow subsurface soil samples at a concentration of 1.5J mg/kg. This concentration was above the RDCL of 0.7 mg/kg but below the IDCL of 170 mg/kg.

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PCE was detected in 138 of the shallow subsurface soil samples at concentrations ranging from 0.00055 to 840 mg/kg. PCE was detected in 50 soil samples at concentrations above the RDCL of 0.058 mg/kg and in 17 of the soil samples at concentrations above the IDCL of 0.64 mg/kg.

TCE was detected in 69 of the shallow subsurface soil samples at concentrations ranging from 0.00039 to 64 mg/kg. TCE was detected in 12 soil samples at concentrations above the RDCL of 0.057 mg/kg and in 11 of the soil samples at concentrations above the IDCL of 0.082 mg/kg.

SVOCs

SVOCs detected in the shallow subsurface soil samples included 1,2-DCB, 2-methylnaphthalene, acenaphthene, benzo(a)anthracene, bis(2-ethylhexyl)phthalate (B2EP), chrysene, dibenzofuran, di-n-butylphthalate, di-n-octylphthalate, fluoranthene, fluorene, phenanthrene, phenol, and pyrene. None of the shallow subsurface soil samples contained SVOCs at concentrations above their respective RDCLs or IDCLs. The SVOC analytical results are summarized in Table 4.8.

PCBs AND TOTAL CYANIDE

Seven of the shallow subsurface soil samples were analyzed for PCBs and total cyanide. PCBs and total cyanide were not detected in any of the shallow subsurface soil samples. A summary of PCB and total cyanide analytical results is shown in Table 4.8.

METALS

Antimony, arsenic, barium, total chromium, lead, selenium, and silver were the only metals detected above their respective RDCLs in the shallow subsurface soil samples. A summary of TAL metals results is provided in Table 4.9 and on Figure 4.9.

Antimony was detected at concentrations ranging from 0.05 to 5.99J mg/kg. Only one of these soil samples contained concentrations of antimony above the RDCL of 5.4 mg/kg. None of the samples contained antimony at concentrations above the IDCL of 37 mg/kg. Antimony was detected in 16 of the soil samples at concentrations above the Site-specific background concentration of 0.252 mg/kg for subsurface soil.

Arsenic was detected in all 115 shallow subsurface soil samples at concentrations ranging from 2.0 to 74 mg/kg. Arsenic was detected in 101 soil samples at concentrations above the RDCL of 3.9 mg/kg and in ten samples at concentrations

above the IDCL of 20 mg/kg. Arsenic was detected at concentrations above the Site-specific background concentration of 10.6 mg/kg for subsurface soil in 32 of the soil samples.

Barium was detected in 110 shallow subsurface soil samples at concentrations ranging from 6.35 to 4,240 mg/kg. One of the samples contained concentrations of barium above the RDCL of 1,600 mg/kg. None of these samples contained concentrations of barium above the IDCL of 5,900 mg/kg. Barium was detected at concentrations above the Site-specific subsurface background concentration of 181 mg/kg in one of the soil samples.

Total chromium was detected in 110 shallow subsurface soil samples at concentrations ranging from 3.5 to 38.6 mg/kg. Only one of these samples contained total chromium at a concentration above the RDCL of 38 mg/kg. None of the samples contained total chromium at a concentration above the IDCL of 120 mg/kg. Total chromium was detected in two of the soil samples at concentrations above the Site-specific subsurface background concentration of 34.6 mg/kg.

Lead was detected in 110 shallow subsurface soil samples at concentrations ranging from 3.37 to 105 mg/kg. Only one of these soil samples contained total lead at a concentration above the RDCL of 81 mg/kg. None of the soil samples contained total lead at concentrations above the IDCL of 230 mg/kg. Lead was detected at concentrations above the Site-specific subsurface background concentration of 40.8 mg/kg in eight of the soil samples.

Selenium was detected in seven soil samples at concentrations ranging from 1.2 mg/kg to 6.6 mg/kg. Only one of the soil samples contained total selenium at a concentration above the RDCL of 5.2 mg/kg. None of the soil samples contained total selenium at concentrations above the IDCL of 53 mg/kg. No Site-specific background level was developed for selenium.

Silver was detected in 74 shallow subsurface soil samples at concentrations ranging from 0.02 to 35.3 mg/kg. Only one of the soil samples contained total silver at a concentration above the RDCL of 31 mg/kg. None of the soil samples contained total silver at concentrations above the IDCL of 87 mg/kg. Silver was detected at concentrations above the Site-specific subsurface background concentration of 0.132 mg/kg in nine of the soil samples.

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4.3.6 SWMUs 1 AND 2 INTERMEDIATE SUBSURFACE SOIL SAMPLES

A total of 114 soil samples were collected from the SWMU 1 and 2 areas at intermediate depths ranging from 10 feet to 30 feet bgs. All of these samples were analyzed for VOCs, 93 soil samples were analyzed for TAL metals, and four soil samples were analyzed for arsenic.

VOCs

VOCs detected in the soil samples collected from intermediate depth intervals included 1,1,1,2-PCA, 1,2-DCB, MIBK, acetone, cDCE, methylene chloride, PCE, toluene, and TCE. However, only 1,1,1,2-PCA, methylene chloride, PCE, and TCE were detected at concentrations above the RDCL. A summary of TCL VOCs detected in soils greater than 10 feet bgs at concentrations above the RDCL is provided in Table 4.10 and on Figure 4.10

One intermediate subsurface soil sample contained 1,1,1,2-PCA at a concentration of 0.079 mg/kg, which is above the RDCL of 0.053 mg/kg but is below the IDCL of 0.85 mg/kg.

Methylene chloride was detected in 42 of the intermediate subsurface soil samples at concentrations ranging from 0.0016 to 0.037 mg/kg. Three of the samples contained methylene chloride above the RDCL of 0.023 mg/kg. Methylene chloride was not detected at a concentration above the IDCL of 1.8 mg/kg.

PCE was detected in 98 intermediate subsurface soil samples at concentrations ranging from 0.00048 to $82 \, \text{mg/kg}$. PCE was detected at concentrations above the RDCL of $0.058 \, \text{mg/kg}$ in 52 of the soil samples and above the IDCL of $0.64 \, \text{mg/kg}$ in 27 of the soil samples.

TCE was detected in 56 intermediate subsurface soil samples at concentrations ranging from 0.00052 to 4.3 mg/kg. TCE was detected at concentrations above the RDCL of 0.057 mg/kg and the IDCL of 0.082 mg/kg in 17 of the soil samples.

METALS

A summary of TAL metals results for soil samples collected from intermediate depth intervals is provided in Table 4.11 and on Figure 4.11.

Arsenic was the only TAL metal detected at concentrations above the RDCLs in the intermediate subsurface soil samples. The arsenic concentrations ranged from 0.7 to 67.2 mg/kg. Arsenic was detected at concentrations above the RDCL of 3.9 mg/kg in 59 soil samples. Only two of the soil samples contained arsenic at concentrations above the IDCL of 20 mg/kg. Arsenic was detected in eight of the soil samples at concentrations above the Site-specific subsurface background level of 10.6 mg/kg.

4.3.7 DEEP SUBSURFACE BEDROCK SAMPLE

One bedrock sample was obtained from the 33 to 34 feet bgs depth interval at bedrock well BW-09. During coring of the bedrock, this interval displayed a slight sheen on the surface of a fracture. The bedrock consisted of fine-grained tan sandstone and the sample from this interval was obtained for TCL VOC analysis to determine if the concentrations of VOCs were indicative of non-aqueous phase liquid (NAPL). PCE, TCE, and acetone were detected in this bedrock sample at concentrations below 0.5 mg/kg and well below levels considered to be indicative of NAPL.

4.3.8 DISCUSSION OF SWMU 1 AND 2 FINDINGS

Buried wastes and VOC contaminated soil were identified within the boundaries of SWMUs 1 and 2 during the Phase IIB RFI. Figures 4.12 and 4.13 summarize the total VOC detections in SWMU 1 and 2 subsurface soil samples collected above and below 10 feet. Total VOC concentrations are highest (above 10 mg/kg) in the central portion of SWMUs 1 and 2, but total VOC concentrations above 1 mg/kg were present within and around SWMUs 1 and 2. PCE is the VOC detected most frequently and at the highest concentrations within SWMUs 1 and 2. An area where total VOC concentrations are above 0.1 mg/kg is present around the SWMU 1 and 2 areas and extends towards the northwest.

Arsenic is the metal most commonly detected at concentrations above RDCLs and IDCLs. Isolated detections of barium, copper, lead, and silver above RDCLs and IDCLs occurred in borings and test pit soil samples collected near the center of SWMUs 1 and 2. With limited exception, the arsenic concentrations are similar to background conditions. The concentrations of the remaining detected metals have been delineated to background levels. No other metals analytes of concern were identified in the SWMU 1 and 2 areas. Despite the fact that there were limited metals detections above RDCLs, IDCLs, and Site-specific background levels, there are no groundwater impacts above the

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RDCLs (see Section 5.5.2.3) in groundwater samples collected from monitoring wells near SWMUs 1 and 2.

Soil impacts in SWMUs 1 and 2 have been adequately delineated during the Phase IIB RFI. As discussed in Section 7.2, U.S. EPA-approved ICMs have been implemented to address the soil impacts.

4.4 SWMU 3 INVESTIGATION RESULTS

Eight soil borings (SS-301 through SS-306, and B-301 and B-302) were advanced at SWMU 3 inside Building 8 using DPT equipment. Two deeper subsurface soil samples were collected from borings B-301 and B-302 at depths of 8 to 10 feet bgs and 6 to 8 feet bgs, respectively. The samples from thee borings were analyzed for TCL VOC, TCL SVOC, and TAL metals. Sixteen soil samples were collected in the SWMU 3 area for VOCs, SVOCs, and TAL metals analysis.

The following section summarizes the analytical results for the soil samples collected from SWMU 3.

4.4.1 SWMU 3 SUBSURFACE SOIL SAMPLES

The SWMU 3 area lies entirely beneath a concrete floor located inside Building 8. Fourteen subsurface soil samples were collected below the base of the concrete floor from eight soil borings. Soil samples were submitted to the project laboratory for TCL VOC, TCL SVOC, and TAL metals analyses. Visual observations indicated no obvious signs of a release in the area of SWMU 3 either on the concrete floor or in the subsurface soil beneath the floor. The analytical results for these soil samples are discussed below.

VOCs

Methylene chloride and PCE were the only VOCs detected in the subsurface soil samples. PCE was detected in all 14 of the soil samples at concentrations ranging from 0.0078 to 0.79 mg/kg. PCE was detected at concentrations above the RDCL of 0.058 mg/kg in three of the soil samples. PCE was not detected in any of the soil samples at concentrations above the IDCL.

A summary of the VOC analytical results is shown in Table 4.12 and on Figure 4.14.

SVOCs

SVOCs were not detected in the subsurface soil samples collected from SWMU 3. The SVOC analytical results are presented in Table 4.13.

TAL METALS

For the purposes of comparison of the metals analytical data to the Site-specific background concentrations, soil samples obtained from 0 to 0.5 feet below the concrete floor were considered as surface soil samples and were compared to the surface soil background levels. All of the subsurface soil samples, both shallow and deep, contained detectable concentrations of all of the TAL metals, with the exception of selenium. Arsenic was the only metal detected above its respective RDCL in any of the shallow or deep subsurface soil samples. Arsenic was detected in all of the soil samples at concentrations ranging from 4.6 to 15.3 mg/kg, which were above the RDCL of 3.9 mg/kg. Arsenic was not detected at concentrations above the IDCL of 20 mg/kg or the subsurface Site-specific surface soil background level of 17.9 mg/kg. Arsenic was detected in once subsurface soil sample at a concentration above the Site-specific subsurface soil criteria of 10.6 mg/kg.

Iron was detected in one shallow subsurface soil sample at a concentration above the Site-specific background level. In the deeper subsurface soil samples, arsenic, iron, and zinc were each detected in one soil sample at concentrations above Site-specific background levels.

The TAL metals shallow and deep soil analytical results are summarized in Tables 4.14a and 4.14b, respectively and on Figure 4.15.

4.4.2 DISCUSSION OF SWMU 3 FINDINGS

There does not appear to have been a release from SWMU 3. Visual inspections indicated no signs of a release from SWMU 3. VOC concentrations observed in subsurface soil increase with depth and appear to be related to the release from SWMUs 1 and 2. Despite the fact that there were limited arsenic detections above RDCLs and IDCLs, there are no groundwater impacts above the RDCLs (see Section 5.5.2.3) in groundwater samples collected from monitoring wells near SWMU 3. No other chemicals of concern were identified in SWMU 3.

4.5 <u>SWMU 5 ANALYTICAL RESULTS</u>

Sixty-two soil borings (B-501 through B-562) were advanced within and beyond the footprint of SWMU 5. The following section summarizes the analytical results for the soil samples collected from SWMU 5.

4.5.1 SWMU 5 SURFACE SOIL SAMPLE RESULTS

Eleven surface soil samples (0 to 0.5 foot bgs) were collected in the SWMU 5 area. All of the surface soil samples were analyzed for VOCs and TAL metals.

VOCs

PCE, TCE, cDCE, and/or naphthalene were detected in five of the 11 surface soil samples collected in the SWMU 5 area. However, none of the detected concentrations of these analytes was above the RDCLs. VOC surface soil analytical data are summarized in Table 4.15.

METALS

TAL metals were detected in all of the soil samples obtained from the SWMU 5 area. However, arsenic was the only metal detected at concentrations above the RDCLs. The arsenic concentrations ranged from 3.76 to 5.97 mg/kg. The arsenic concentrations in the surface soil were below the surface soil Site-specific surface soil background concentration of 17.9 mg/kg and the IDCL of 20 mg/kg. Silver was detected above the Site-specific surface soil background concentration of 1.07 mg/kg in three surface soil samples. TAL metals shallow soil analytical data are summarized in Table 4.16.

4.5.2 SWMU 5 SHALLOW SUBSURFACE SOIL SAMPLES

Thirty-three shallow subsurface soil samples were collected from depth intervals ranging from 0 to 10 feet bgs in the SWMU 5 area. All of these samples were analyzed for VOCs and 16 were analyzed for TAL metals.

VOCs

VOCs detected in shallow subsurface soil samples in SWMU 5 included 1,1,2,2-PCA, 1,1-DCE, 1,3,5-TMB, 2-phenylbutane, acetone, chloroform, cDCE, cymene, ethylbenzene,

isopropylbenzene, xylenes, methylene chloride, naphthalene, n-butylbenzene, n-propylbenzene, tert-butylbenzene, PCE, toluene, tDCE, and TCE. However, the only VOCs detected at concentrations above the RDCLs were 1,1,2,2-PCA, cDCE, PCE, and TCE. VOC analytical data for the shallow subsurface soil samples are summarized in Table 4.17 and on Figure 4.16.

1,1,2,2-PCA was detected in two of the soil samples at a concentration of 0.0071 and 0.012 mg/kg. These two detections of 1,1,2,2-PCA were above the RDCL but below the IDCL.

cDCE was detected in 13 of the soil samples at concentrations ranging from 0.0019 to 5.1 mg/kg. Two of the samples contained cDCE at concentrations above the RDCL of 0.4 mg/kg. None of the samples contained cDCE at a concentration above the IDCL.

PCE was detected in 15 soil samples at concentrations ranging from 0.00064 to 36 mg/kg. Nine of the samples contained PCE at concentrations above the RDCL of 0.058 mg/kg and six samples contained PCE at concentrations above the IDCL of 0.64 mg/kg.

TCE was detected in the soil samples at concentrations ranging from 0.0018 to 14 mg/kg. Twelve of the samples contained TCE concentrations above the RDCL of 0.057 mg/kg and IDCL of 0.082 mg/kg.

METALS

Arsenic was the only TAL metal detected at concentrations above the RDCLs. Arsenic was detected in all 16 of the shallow subsurface soil samples at concentrations ranging from 3.3 to 10.4 mg/kg. Fifteen of the samples contained arsenic at concentrations above the RDCL. However, none of these samples contained arsenic at a concentration above the IDCL of 20 mg/kg or the Site-specific subsurface background level of 10.6 mg/kg for subsurface soil. Other metals detected at concentrations above Site-specific background levels but below the RDCLs and IDCLs included barium, calcium, copper, silver, and sodium.

TAL metals analytical results are summarized in Table 4.18 and on Figure 4.17.

4.5.3 SWMU 5 INTERMEDIATE SUBSURFACE SOIL SAMPLES

Sixty-five intermediate subsurface soil samples were collected at depth intervals ranging from 10 to 30 feet bgs in the SWMU 5 area. All of these samples were analyzed for VOCs, six were analyzed SVOCs, PCBs, and cyanide, and 53 were analyzed for TAL metals.

VOCs

VOCs detected in subsurface soil samples collected from the 10 to 30 feet bgs depth interval in SWMU 5 included 1,1,2,2-PCA, 1,1,2-trichloroethane (1,1,2-TCA), 1,1-DCE, 1,1-dichloropropene (1,1-DCP), 1,2,3-trichloropropane (1,2,3-TCP),1,2,4-trichlorobenzene (1,2,4-TCB), 1,2,4-TMB, 1,3,5-TMB, 1,2-dichloroethane (1,2-DCA), 2-butanone, 2-hexanone, 2-phenylbutane, MIBK, acetone, benzene, carbon disulfide, chlorobenzene, chloroform, cDCE, cymene, ethylbenzene, isopropylbenzene, xylenes, methylene chloride, naphthalene, n-butylbenzene, n-propylbenzene, tert-butylbenzene, PCE, toluene, tDCE, TCE, and vinyl chloride. VOCs detected at concentrations above the RDCLs were 1,1,2,2-PCA, 1,1-DCE, 1,2-DCA, acetone, cDCE, methylene chloride, PCE, tDCE, TCE, and vinyl chloride. VOC analytical data for the intermediate subsurface soil samples are summarized in Table 4.19 and on Figure 4.18.

1,1,2,2-PCA was detected in two of the soil samples at 0.0011 mg/kg and 0.02 mg/kg. One of these samples also contained 1,1,2,2-PCA at a concentration above the RDCL closure level of 0.007 mg/kg.

Eighteen of the soil samples contained detectable concentrations of 1,1-DCE ranging from 0.001 to 0.32 mg/kg. Three of these samples contained 1,1-DCE at concentrations above the RDCL of 0.058 mg/kg. The detected concentrations of 1,1-DCE were below the IDCL of 42 mg/kg.

1,2-DCA was detected in seven soil samples at concentrations ranging from 0.0014 to 0.062 mg/kg. One soil sample contained 1,2-DCA at a concentration above the RDCL of 0.024 mg/kg. 1,2-DCA was not detected at concentrations above the IDCL of 0.15 mg/kg.

Acetone was detected in 15 soil samples at concentrations ranging from 0.013 to 9.2J mg/kg. Two of the soil samples contained acetone at concentrations above the RDCL of 3.8 mg/kg. Acetone was not detected at concentrations above the IDCL of 370 mg/kg.

Concentrations of cDCE ranged from 0.002 to 140 mg/kg. Eight of the samples contained cDCE at concentrations above the IDCL of 5.8 mg/kg, and 23 samples contained acetone at concentrations above the RDCL of 0.4 mg/kg.

Methylene chloride was detected in 13 soil samples at concentrations ranging from 0.0016 to 0.095 mg/kg. Only one of these samples contained methylene chloride above the RDCL of 0.023 mg/kg. Methylene chloride was not detected at concentrations above the IDCL of 1.8 mg/kg.

PCE was detected in 53 soil samples at concentrations ranging from 0.0005 to 45 mg/kg. Twenty of the samples contained concentrations of PCE above the IDCL of 0.058 mg/kg, and 28 soil samples contained PCE at a concentration above the RDCL of 0.64 mg/kg.

tDCE was detected in 20 soil samples at concentrations ranging from 0.0011 to 1.2 mg/kg. Only one sample contained tDCE at a concentration above the RDCL of 0.68 mg/kg. tDCE was not detected at concentrations above the IDCL of 14 mg/kg.

TCE was detected in 57 soil samples at concentrations ranging from 0.0041 to 370 mg/kg. Fifty of the samples contained TCE at concentrations above the RDCL of 0.057 mg/kg, and 49 samples contained TCE at concentrations above the IDCL of 0.082 mg/kg.

Vinyl chloride was detected in 14 soil samples at concentrations ranged from 0.00094 to 0.79 mg/kg. Nine of the samples contained vinyl chloride at concentrations above the RDCL and IDCL of 0.013 mg/kg.

SVOCs

SVOC analytical results from the 10 to 30 feet bgs depth are summarized in Table 4.20. SVOCs detected in the intermediate subsurface soil samples included 1,2,4-TCB, 2-methylnaphthalene, 2-methylphenol, 4-methylphenol, anthracene, benzyl alcohol, bis(2-ethylhexyl)phthalate, dibenzofuran, di-n-butylphthalate, fluoranthene, fluorene, naphthalene, phenanthrene, and phenol. However, none of these SVOCs were detected at concentrations above their respective RDCL.

PCBs AND CYANIDE

PCBs and total cyanide were not detected in the intermediate subsurface soil samples collected from SWMU 5.

METALS

Arsenic and lead were the only TAL metals detected at concentrations above RDCLs in intermediate soil samples. No metals were detected at concentrations above the IDCLs. Arsenic was detected at concentrations ranging from 2.8 to 11.9 mg/kg. Thirty-eight of these samples contained arsenic at concentrations above the RDCL of 3.9 mg/kg. However, only one of the arsenic detections was above the Site-specific subsurface background value of 10.6 mg/kg. This occurred only in the duplicate sample collected from the 14 to 16 foot depth interval at B-508 (the other sample from this same interval contained arsenic at a concentration of 5.8 mg/kg, which is below the Site-specific subsurface soil background level). Lead was detected at concentrations ranging from 3.88 to 91.5 mg/kg. Only one of the samples contained a concentration above the RDCL of 81 mg/kg and the Site-specific subsurface background concentration of 40.8 mg/kg. Other metals detected at concentrations above Site-specific subsurface background levels but below the RDCLs and IDCLs included calcium, magnesium, and thallium.

Intermediate TAL metals soil analytical results are summarized in Table 4.21 and on Figure 4.19.

4.5.4 SWMU 5 DEEP SUBSURFACE SOIL SAMPLES

A total of 48 deep subsurface soil samples were collected in the area of SWMU 5 at depth intervals ranging from 30 to 60 feet bgs. All of these soil samples were analyzed for TCL VOCs and 24 were analyzed for TAL metals.

VOCs

VOCs detected in deep subsurface soil samples in SWMU 5 included 1,1,2-TCA, 1,1-DCE, 1,2-DCA, acetone, benzene, carbon disulfide, chloroform, cDCE, methylene chloride, PCE, toluene, tDCE, TCE, and vinyl chloride. However, the only VOCs detected at concentrations above the RDCLs were cDCE, methylene chloride, PCE, TCE, and vinyl chloride. TCL VOC analytical data for the greater than 30-foot depth interval are summarized in Table 4.22 and on Figure 4.20.

cDCE was detected in 40 soil samples at concentrations ranging from 0.0013 to 34 mg/kg. Four of the soil samples contained cDCE at concentrations above the RDCL of 0.4 mg/kg and three of these were above the IDCL of 5.8 mg/kg.

Methylene chloride was detected in 21 soil samples at concentrations ranging from 0.0012] to 0.024] mg/kg. Only one of these samples contained a concentration of methylene chloride above the RDCL of 0.023 mg/kg. Methylene chloride was not detected at a concentration above the IDCL of 1.8 mg/kg.

PCE was detected in 43 soil samples at concentrations ranging from 0.00052 to 4.4 mg/kg. Eighteen of the samples contained PCE at a concentration above the RDCL of 0.058 mg/kg and eight samples contained PCE at concentrations above the IDCL of $0.64 \,\mathrm{mg/kg}$.

TCE was detected in 46 soil samples at concentrations ranging from 0.0062 to 12 mg/kg. Thirty-eight samples contained TCE at concentrations above the RDCL of 0.057 mg/kg and 37 samples contained TCE at concentrations above the IDCL of 0.082 mg/kg.

Vinyl chloride was detected in four soil samples and ranged in concentration from 0.0012 to 0.14 mg/kg. Two of the samples contained vinyl chloride at concentrations above the RDCL and IDCL of 0.013 mg/kg.

METALS

Arsenic was the only TAL metal detected at concentrations above the RDCLs. Arsenic was detected in 18 soil samples at concentrations above the RDCL, but none of the soil samples contained arsenic at concentrations above the IDCL of 20 mg/kg. All arsenic concentrations were below the Site-specific subsurface background level of 10.6 mg/kg. The only other metal detected at a concentration above Site-specific subsurface soil background levels was magnesium in a single soil sample.

TAL metals analytical results for deep subsurface soil samples are summarized in Table 4.23 and on Figure 4.21.

4.5.5 **DISCUSSION OF SWMU 5 FINDINGS**

Subsurface soil VOC impacts are present within and around SWMU 5. Figures 4.22 through 4.24 depict the total VOC concentrations observed in SWMU 5 subsurface soil. PCE, TCE, and cDCE were the VOCs most commonly detected in SWMU 5 soil samples, although other chlorinated aliphatic compounds also were detected above RDCLs and IDCLs though less frequently in soil. The most elevated concentrations of VOCs (above 100 mg/kg) are present in the central portion of SWMU 5 between approximately 15 and 25 feet bgs.

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Evidence of potential free product was observed during August 2003 in three soil borings as summarized below:

T.1. (*C*	Depth Int.	OI II
Identifier	(ft bgs)	Observations
B-517	15-20	Black staining, strong solvent odor, potential free product
B-518	16-20	Potential free product, strong odor at 19 feet
B-524	18-24	Strong solvent odor, potential liquid free product

VOC concentrations above 1 mg/kg are present at depth over a relatively broad area surrounding SWMU 5. Elevated concentrations of VOCs extend to the top of bedrock (approximately 55 to 60 feet bgs). VOC concentrations at these depths generally were in the single digit part per million range, although total VOC concentrations above 10 mg/kg were noted in soil samples collected from the 30 to 40 feet bgs depth interval immediately west of the excavated area. VOC concentrations above 0.1 mg/kg at depth extend over an area northwest of SWMU 5.

Arsenic is the metal most commonly detected at concentrations above the RDCLs. However, arsenic was detected at concentrations above the Site-specific background level for surface and subsurface soil in only one sample, the duplicate sample collected from the 14 to 16 foot depth interval at B-508. The other sample from this same interval contained arsenic at a concentration below the Site-specific subsurface soil background level. Lead was detected in only one soil sample at a concentration above the RDCL at a depth below 10 feet bgs. No other analytes of concern were identified in the SWMU 5 area.

Soil impacts in SWMU 5 have been adequately delineated during the Phase IIB RFI. As discussed in Section 7.3, U.S. EPA-approved ICMs have been implemented to address soil impacts, including potential free product observed at borings B-517, B-518, and B-524 in August 2003.

4.6 SWMU 11/AOC 2

Thirty-eight soil borings (B-1101 through B-1138) were advanced and 90 soil samples were collected within and beyond the footprint of SWMU 11/AOC 2. All of the soil samples collected from SWMU 11/AOC 2 were analyzed for TCL VOCs. Five soil samples were analyzed for TCL SVOCs, and 38 soil samples were analyzed for TAL metals. With the exception of borings B-1105, B-1119 through B-1123, and B-1133

through B-1138, soil borings were located in paved areas beneath concrete building floors, or asphalt or gravel paved drives.

The following section summarizes the SWMU 11/AOC 2 soil analytical results in a depth-specific manner.

4.6.1 <u>SWMU 11/AOC 2 SHALLOW SUBSURFACE SOILS</u>

Nineteen shallow subsurface soil samples were collected at depth intervals from 0 to 10 feet bgs in the SWMU 11/AOC 2 area. All of the soil samples were analyzed for VOCs and six of the soil samples were analyzed for TAL metals.

VOCs

VOCs detected in the soil samples collected from 0 to 10 feet bgs included 1,1,1,2-PCA, 1,1-DCE, 1,2,4-TMB, acetone, benzene, carbon disulfide, chloroform, cDCE, methylene chloride, PCE, toluene, tDCE, TCE, and vinyl chloride. Only cDCE, PCE, TCE, and vinyl chloride were detected above the RDCLs in SWMU 11/AOC 2 shallow subsurface soil samples. A summary of TCL VOCs detected above the RDCL in the 0 to 10 feet bgs soil samples is provided in Table 4.24 and on Figure 4.25.

cDCE was detected in seven shallow subsurface soil samples at concentrations ranging from 0.0014J to 11 mg/kg. Two of these samples contained cDCE at a concentration above the RDCL of 0.4 mg/kg. cDCE was detected at a concentration above the IDCL of 5.8 mg/kg in one soil sample.

PCE was detected in 11 shallow subsurface soil samples at concentrations ranging from 0.00058J to 38 mg/kg. PCE was detected at concentrations above the RDCL of 0.058 mg/kg in four of the soil samples and above the IDCL of 0.64 mg/kg in three of the soil samples.

Thirteen of the shallow subsurface soil samples contained detectable concentrations of TCE ranging from 0.00041J to 22 mg/kg. TCE was detected in four of the soil samples at concentrations above the RDCL of 0.057 mg/kg and the IDCL of 0.082 mg/kg.

Two of the shallow subsurface soil samples contained detectable concentrations of vinyl chloride at concentrations of 0.017 mg/kg and 0.47 mg/kg, both above the RDCL and IDCL of 0.013 mg/kg.

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SVOCs

SVOCs were not detected in the one soil sample analyzed for SVOCs, which was collected at a depth of 8 to 10 feet bgs.

TAL METALS

Arsenic was the only TAL metal detected at concentrations above the RDCLs in shallow subsurface soil samples. A summary of TAL metals results is provided in Table 4.25 and on Figure 4.26.

Arsenic was detected at concentrations ranging from 2.7 to 10.9 mg/kg. Five of the soil samples contained arsenic concentrations that were above the RDCL of 3.9 mg/kg. None of the soil samples contained concentrations of arsenic above the Site-specific subsurface background concentration of 10.6 mg/kg or the IDCL of 20 mg/kg.

4.6.2 SWMU 11/AOC 2 INTERMEDIATE SOIL SAMPLES

Forty-four soil samples were collected at intermediate depth intervals between 10 and 30 feet bgs at SWMU 11/AOC 2. All of the intermediate subsurface soil samples were analyzed for TCL VOCs, four were analyzed for SVOCs, and 29 were analyzed for TAL metals. In September 2003, at boring B-1117 located adjacent to the former TCE degreaser inside the main building, a strong solvent odor was noted at a depth of 21.5 feet bgs and potential free product was observed at 22 feet bgs. The borehole was terminated at a depth of 25 feet bgs to prevent potential downward migration of product along the borehole annulus.

VOCs

VOCs detected the intermediate subsurface in soil samples included 1,1,2-trichloroethane (1,1,2-TCE), 1,1-dichloroethane (1,1-DCA), 1,1-DCE, 1,2,4-TMB, 1,2-DCA, 1,3,5-TMB, 1,4-dichlorobenzene (1,4-DCB), 2-phenylbutane, acetone, benzene, carbon disulfide, chlorobenzene, chloroethane, cDCE, cymene, isopropylbenzene, methylene chloride, naphthalene, n-butylbenzene, xylenes, n-propylbenzene, styrene, PCE, toluene, tDCE, TCE, and, vinyl chloride. 1,1-DCE, 1,2,4-TMB, 1,3,5-TMB, acetone, benzene, cDCE, methylene chloride, naphthalene, PCE, TCE, and vinyl chloride were detected at concentrations above the RDCLs. A summary of TCL VOCs detected above the RDCL in the 10 to 30 feet bgs soil samples is provided in Table 4.26 and on Figure 4.27.

Ten of the intermediate subsurface soil samples contained detectable concentrations of 1,1-DCE ranging from 0.00096J to 0.075 mg/kg. Only one of the soil samples contained 1,1-DCE at a concentration above the RDCL of 0.058 mg/kg. None of the samples contained 1,1-DCE at concentrations above the IDCL of 42 mg/kg.

1,2,4-TMB was detected in seven of the intermediate subsurface soil samples at concentrations ranging from 0.002J to 13J mg/kg. Two of the samples contained 1,2,4-TMB at concentrations above the RDCL of 2.5 mg/kg. None of the samples contained 1,2,4-TMB at concentrations above the IDCL of 170 mg/kg.

1,3,5-TMB was detected in five intermediate subsurface soil samples at concentrations ranging from 0.0056 to 4.6J mg/kg. Two of the soil samples contained 1,3,5-TMB at concentrations above the RDCL of 0.61 mg/kg. None of the samples contained 1,3,5-TMB at concentrations above the IDCL of 68 mg/kg.

Acetone was detected in three intermediate subsurface soil samples at concentrations ranging from 0.013J to 4.1J mg/kg. One of the samples contained acetone at a concentration above the RDCL of 3.8 mg/kg. None of the samples contained acetone at concentrations above the IDCL of 370 mg/kg.

Benzene was detected in six intermediate subsurface soil samples at concentrations ranging from 0.0009 to 0.057J mg/kg. Only one of the soil samples contained benzene at a concentration above the RDCL of 0.034 mg/kg. None of the samples contained benzene at concentrations above the IDCL of 0.35 mg/kg.

cDCE was detected in 31 of the intermediate subsurface soil samples collected at concentrations ranging from 0.0011 to 26 mg/kg. Ten of the samples contained cDCE at concentrations above the RDCL of 0.4 mg/kg, and two of the samples contained cDCE at concentrations above the IDCL of 5.8 mg/kg.

Methylene chloride was detected in three intermediate subsurface soil samples at concentrations ranging from 0.0029J to 0.028J mg/kg. Only one of the soil samples contained methylene chloride at a concentration above the RDCL of 0.023 mg/kg. None of the soil samples contained methylene chloride at concentrations above the IDCL of 1.8 mg/kg.

Naphthalene was detected in four intermediate subsurface soil samples at concentrations ranging from 0.0014J to 19J mg/kg. Three of the soil samples contained

naphthalene at concentrations above the RDCL of 0.7 mg/kg. None of the soil samples contained naphthalene at concentrations above the IDCL of 170 mg/kg.

PCE was detected in 24 intermediate subsurface soil samples at concentrations that ranged from 0.00093J to 1,900 mg/kg. PCE was detected in 15 soil samples at concentrations above the RDCL of 0.058 mg/kg. Thirteen of the samples contained PCE at concentrations above the IDCL of 0.64 mg/kg.

TCE was detected in 33 intermediate subsurface soil samples at concentrations ranging from 0.00093 to 940 mg/kg. Twenty-five of the soil samples contained TCE at a concentration above the RDCL of 0.057 mg/kg. Twenty-three of the soil samples contained TCE at concentrations above the IDCL of 0.082 mg/kg.

Vinyl chloride was detected in 17 intermediate subsurface soil samples at concentrations ranging from 0.0012J to 3.2 mg/kg. Ten of the soil samples contained vinyl chloride at a concentration above the RDCL and IDCL of 0.013 mg/kg.

SVOCs

SVOCs were not detected at concentrations above the RDCLs or IDCLs in the intermediate subsurface soil samples collected from SWMU 11/AOC 2. A summary of intermediate subsurface soil SVOC data is provided in Table 4.27.

METALS

Arsenic is the only TAL metal that was detected at concentrations above the RDCL in the intermediate subsurface soil samples. A summary of the intermediate subsurface soil TAL metals data is provided in Table 4.28 and on Figure 4.28.

Arsenic was detected at concentrations ranging from 2.6 to 12.3 mg/kg. Arsenic was detected at a concentration above the RDCL of 3.9 mg/kg in 22 of the samples. Two of the soil samples contained arsenic at concentrations above the Site-specific subsurface background concentration of 10.6 mg/kg. There were no detections of arsenic above the IDCL of 20 mg/kg.

4.6.3 <u>SWMU 11/AOC 2 DEEP SOIL SAMPLES</u>

Twenty-eight deep subsurface soil samples were collected at depths greater than 30 feet bgs and analyzed for TCL VOCs. Seven of the deep subsurface soil samples were also analyzed for TAL metals.

VOCs

VOCs detected in deep subsurface soil samples included 1,1,2-TCA, acetone, cDCE, methylene chloride, PCE, toluene, TCE, and vinyl chloride. However, only cDCE, PCE, and TCE were detected above the RDCLs. A summary of VOCs detected above the RDCLs in the greater than 30 feet depth soil samples is provided in Table 4.29 and on Figure 4.29.

cDCE was detected in 15 deep subsurface soil samples at concentrations ranging from 0.0017J to 0.41 mg/kg. Only one of the samples contained cDCE at a concentration above the RDCL of 0.4 mg/kg. None of the samples contained cDCE at concentrations above the IDCL of 5.8 mg/kg.

PCE was detected in 20 deep subsurface soil samples at concentrations ranging from 0.0004J to 4.8 mg/kg. PCE was detected in seven soil samples at concentrations above the RDCL of 0.058 mg/kg. Five of the samples contained PCE at concentrations above the IDCL of 0.64 mg/kg.

TCE was detected in 24 deep subsurface soil samples at concentrations ranging from 0.013 to 6.2 mg/kg. Fifteen of the soil samples contained TCE at a concentration above the RDCL of 0.057 mg/kg. Twelve of the soil samples contained PCE at concentrations above the IDCL of 0.082 mg/kg.

METALS

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Arsenic was the only TAL metal detected in deep subsurface soil samples at concentrations above the RDCL in the SWMU 11/AOC 2 (Table 4.30 and Figure 4.30).

Arsenic was detected at concentrations ranging from 3.3 to 5.9 mg/kg. Arsenic was detected in four of the samples at concentrations above the RDCL of 3.9 mg/kg. However, none of the deep subsurface soil samples contained arsenic at concentrations above the Site-specific background level of 10.6 mg/kg or the IDCL of 20 mg/kg.

4.6.4 <u>DISCUSSION OF SWMU 11/AOC 2 FINDINGS</u>

Subsurface soil VOC impacts are present within and around SWMU 11/AOC 2. Figures 4.31 through 4.33 depict total VOC concentrations in SWMU 11/AOC 2 subsurface soil. PCE and TCE were the VOCs most commonly detected in SWMU 11/AOC 2 soil samples. PCE was detected primarily in soil samples collected inside the main building in the area of the former vapor degreaser. PCE detections in the range of 1 mg/kg to 50 mg/kg occurred in the vicinity of the former degreaser, with isolated higher detections present. Potential free product was observed in one soil sample collected from the 22 to 24 feet bgs depth interval in boring B-1117 advanced in September 2003.

TCE detections were observed along the eastern side of the main building up to the eastern property boundary. The source of these TCE detections is unclear, but, according to Joe Riley, Jr., drums containing TCE were reportedly managed historically in this area. These drums contained TCE for use in the vapor degreaser (prior to switching to PCE). Soil impacts in SWMU 11/AOC 2 have been adequately delineated during the Phase IIB RFI. As discussed in Section 7.3, U.S. EPA-approved ICMs have been implemented to address soil impacts.

4.7 AOC 3A AND 3B INVESTIGATION RESULTS

4.7.1 AOC 3A INVESTIGATION RESULTS

One surface soil sample was collected in AOC 3A and analyzed for SVOCs. The analytical results from this sampling are summarized in Table 4.31. SVOCs detected in the AOC 3A surface soil sample include benzo(a)anthracene, B2EP, chrysene, fluoranthene, phenanthrene, and pyrene. None of the SVOCs were detected above RDCLs.

4.7.2 <u>AOC 3B INVESTIGATION RESULTS</u>

Forty-one soil samples were collected at nine locations (AOC3B-101 through AOC3B-109) located within the drainage ditch adjacent to and beyond the outfall. During the initial Phase IIB investigation, soil samples were analyzed for TAL metals. Based on the analytical results of this initial Phase IIB investigation, soil samples were analyzed for total and TCLP lead only.

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Figure 4.34 identifies the sample locations that contained analyte concentrations above the RDCLs. A summary of the surface and subsurface soil analytical results is provided in Table 4.32A and Table 4.32B.

Total TAL metals detected at concentrations above the RDCLs in 0 to 1 foot bgs soil samples included antimony, arsenic, total chromium, lead, and silver.

Total antimony was detected at concentrations ranging from 0.39J to 28.2J mg/kg. Three of the total antimony detections were above the RDCL of 5.4 mg/kg. None of the total antimony detections were above the IDCL of 37 mg/kg. Six of the soil samples contained antimony at concentrations above the Site-specific surface soil background level of 0.527 mg/kg.

Total arsenic was detected at concentrations ranging from 4 to 7.6 mg/kg. All of the total arsenic detections were above the RDCL of 3.9 mg/kg. None of the total arsenic detections were above the Site-specific surface soil background level of 15.4 mg/kg or the IDCL of 20 mg/kg.

Total chromium was detected at concentrations ranging from 14.7 to 46.8 mg/kg. Total chromium was detected in one sample at a concentration above the RDCL of 38 mg/kg but below the IDCL of 120 mg/kg.

Total lead was detected at concentrations ranging from 12.2 to 9,150 mg/kg. Total lead was detected in 32 samples at concentrations above the RDCL of 81 mg/kg. Total lead was detected in 22 surface samples at concentrations above the IDCL of 230 mg/kg. Thirty-three of the soil samples contained lead at concentrations above the Site-specific surface soil background level of 46.9 mg/kg. As discussed in Section 7.4, and U.S. EPA-approved excavation ICM has been completed in AOC 3B to address lead soil impacts. Lead-impacted soil was excavated to approximately 2 feet below the base of the drainage ditch.

Total silver was detected at concentrations ranging from 1.2 to 59.6 mg/kg. Two of the total silver detections were above the RDCL of 31 mg/kg. None of the total silver detections were above the IDCL of 87 mg/kg. All of the soil samples contained silver at concentrations above the Site-specific surface soil background level of 0.75 mg/kg.

4.7.3 DISCUSSION OF AOC 3A AND 3B FINDINGS

Analytical data for AOC 3A indicate that SVOC detections in one soil sample during an earlier phase of the RFI were unrelated to the Site and no further investigation or evaluation of corrective measures is required for this area.

Soil impacts in AOC 3B have been adequately delineated during the Phase IIB RFI. As discussed in Section 7.4, a U.S. EPA-approved excavation ICM has been completed in AOC 3B to address lead soil impacts.

4.8 RESIDENTIAL SOIL SAMPLING

In order to determine if there were a local source for the VOCs observed in the soil vapor samples collected near 1009 Reimer Street, 11 soil samples were collected from shallow depth intervals above 10 feet bgs in the lot around this residence. A summary of the residential soil analytical data is provided in Table 4.33.

TCE was detected at concentrations above the RDCL and/or the IDCL in four of the 11 soil samples. Two of the soil samples contained TCE at concentrations above 120 μ g/kg. The TCE soil analytical data were inconclusive as to whether the TCE is present in soil as a result of cross-contamination of the soil samples by soil vapor present in the vicinity of the residence or whether another VOC source is present at this location, such as a septic system or other feature.

4.9 <u>ARTESIAN WELL SURFACE SOIL ANALYTICAL DATA</u>

Analytical data for the surface soil samples collected from the artesian well drainageway are summarized in Table 4.34. VOCs detected in the surface soil samples included cDCE, tDCE, 1,2-DCA, methylene chloride, PCE, and TCE. However, methylene chloride was detected at a concentration above the RDCL of 0.023 mg/kg (in a single sample, collected from location AW-1b). No other VOCs were detected at concentrations above the RDCLs or the IDCLs. The drainageway surface soil sample locations are depicted on Figure 3.19.

4.10 RILEY LAKE SURFACE WATER AND SEDIMENT DATA

Two surface water and two sediment samples were collected from Riley Lake and analyzed for TAL metals and TCL VOCs. The surface water and sediment samples were obtained from the northwestern and southeastern portion of Riley Lake. Tabulated surface water and sediment analytical data are provided in Appendix L. VOCs were not detected in the surface water and sediment samples obtained from Riley Lake. Arsenic, barium, calcium, magnesium, mercury, and sodium were the only metals detected in Riley Lake surface water samples at concentrations below RDCLs and IDCLs, where applicable. Calcium and copper were detected at concentrations slightly above background soil levels but were well below RDCLs and IDCLs, where applicable.

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5.0 <u>HYDROGEOLOGICAL INVESTIGATION RESULTS</u>

5.1 <u>OVERVIEW</u>

Previous groundwater investigations conducted at the Site focused on individual SWMUs or AOCs that did not provide a Site-wide understanding of the hydrogeology, contaminant occurrence, and transport. During the Phase IIB RFI, in addition to focusing on groundwater conditions at individual SWMUs, groundwater was investigated on a Site-wide basis. To accomplish this, the existing Site wells were renamed to fit into the Site-wide network. The Site-wide monitoring network was upgraded with the installation of additional overburden and bedrock wells. The analytical data generated during the Phase IIB RFI were compared to U.S. EPA's MCLs and IDEM's RDCLs and IDCLs for discussion purposes only and should not be considered cleanup objectives for the Site. Rather, risk-based cleanup objectives will be developed during the CMS consistent with applicable U.S. EPA and IDEM guidance. The remainder of this Section discusses the findings of the Phase IIB hydrogeological investigation.

5.2 SITE GEOLOGY

As discussed in Section 2, the regional geology in the area of the Site consists of unconsolidated glacial deposits overlying clastic and carbonate bedrock units. The unconsolidated glacial deposits include subglacial till deposits (Wedron Formation) and coarse clastic (cobbles to sand) outwash fans, deposited mainly in the boundaries of the Wabash River channel, to fine-grained (predominantly clay and silt) non-contact lacustrine deposits located in tributary areas upstream. Bedrock, which may be composed of a combination of clastic (shale and sandstone) and carbonate rock (such as limestone), dips to the southwest and is generally weathered in the upper 50 to 150 feet.

During the Phase IIB RFI, the Site geology was investigated through the advancement of numerous soil borings and monitoring wells and observations made during this work. In addition, three pilot borings were drilled at BW-01, BW-03, and BW-07 to depths of approximately 150 feet bgs in order to assess the bedrock lithology, stratigraphic continuity, permeable zones, and fractures. In addition to visual examination of the rock cores, each of the bedrock coreholes was evaluated for permeable zones and groundwater yield using inflatable packers to isolate 10-foot sections of the corehole.

Information obtained from numerous borings was used to describe the Site overburden and bedrock geology. Stratigraphic and instrumentation logs for the monitoring wells installed during the Phase IIB RFI are provided in Appendix C. A description of these observed stratigraphic units is provided in the following subsections.

5.2.1 **OVERBURDEN GEOLOGY**

The depth to bedrock at the Site varies from less than 20 feet bgs at SWMUs 1 and 2 to up to 60 feet bgs at SWMU 5. The thickness of the unconsolidated overburden deposits is related to the regional topography and bedrock topography. The highest elevations at the Site are observed near the intersection of Summit Street and Avenue 6 where elevations approach 670 feet amsl. The elevations decrease towards the northwest as the Wabash River is approached, where bottomland elevations are in the range of 500 to 510 feet amsl. Based on borehole logs advanced to the top of bedrock, an overburden isopach map was developed (Figure 5.1). As indicated on Figure 5.1, the on-Site overburden deposits are thickest where the topographic elevations are the greatest.

To the north, the typical lithologic profile for unconsolidated deposits in the vicinity of SWMUs 1 and 2 (north of Summit Street) consists of a native silt layer ranging in thickness from less than 1 foot to several feet, underlain by a fine- to medium-grained sand, which overlies bedrock. To the south, the typical lithologic profile for SWMU 5 and SWMU 11/AOC 2 consists of alternating cohesive and granular units that overlie shale bedrock. In general, the upper 20 to 30 feet consists primarily of silt with interbedded sand and occasional clay. Below a depth of 30 feet bgs is a relatively thick, poorly-graded sand unit that becomes coarser with depth. The poorly-graded sand unit extends to bedrock, which is generally encountered at approximately 55 feet bgs.

Off Site, the overburden deposits thicken substantially west and northwest of the Site, where overburden deposits approach 150 feet in thickness. This is the result of the presence of the buried bedrock valley filled with alluvial deposits associated with the Wabash River. The elevation of the top of the bedrock falls off rapidly from approximately 580 feet amsl at BW-07 and OB-36 to approximately 400 feet amsl at OB-43D and OB-45D (located less than 1,500 feet to the northwest of BW-07 and OB-36). The overburden to the west and northwest of the Site consist of alternating, relatively thick deposits of silt, clay, and sand that tend to consist of coarser granular deposits near the bottom of the deposit.

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5.2.2 BEDROCK GEOLOGY

The depth at which bedrock was encountered at the Site ranged from less than 10 feet bgs to approximately 60 feet bgs. On Site, the depth to bedrock was primarily dependent on the regional topography (see previous section). Off Site, the depth to bedrock increased substantially approaching the Wabash River as discussed in the previous subsection. The top of the bedrock exhibits an erosional surface, and using the Phase IIB RFI borings, the elevation to the top of bedrock was mapped (Figure 5.2). As indicated on Figure 5.2, the bedrock surface elevations are highest in the southeast and generally decrease towards the northwest. The depth to bedrock increases substantially northwest of the Site. Initially, the slope of the bedrock surface is relatively gentle. However, the slope of the bedrock surface becomes significantly steeper west and northwest of the Site due to the presence of a buried bedrock valley associated with the Wabash River. The buried bedrock valley has been filled with alluvial deposits.

A distinct thinly laminated, black/dark gray, heavily fractured fissile shale and fine-grained massive cross-bedded sandstone, which is part of the Pennsylvanian age Raccoon Creek Group, is the first bedrock unit encountered in boreholes advanced in the southern portion of the Site. Shale and sandstone compose 95 percent of the Raccoon Creek Group. Shale is more common than sandstone with small amounts of black fissile shale present. Where sandstone is present, it tends to be massive and cross-bedded (Shaver, et. al., 1986, p. 120-121). The massive sandstone was encountered east of the Site, at boring BW-08, at approximately the same elevation as the black, fissile shale. This change in rock type indicates a facies change within the Raccoon Creek Group from shale to sandstone.

The bedrock cores in the southern portion of the Site indicated that there is a distinct contact between the dark gray/black shale of the Raccoon Creek Group and an underlying siltstone unit. Intermixed siltstones and shale characterize the second distinct unit, which is part of the Borden Group. "The Borden Group is composed dominantly of gray argillaceous siltstone and of shale. Fine-grained sandstone is common. Interbedded limestones form discontinuous lenses and facies" (Shaver, et. al., 1986, p. 17). The shale of this unit differs from the black, fissile shale in that it is more competent/massive with fewer fractures. The siltstones tend to be thickly bedded, uniform, and very competent. Small layers of limestone and sandstone were also encountered in various borings. These layers appear to be discontinuous and local to the individual area in which each boring was installed (Shaver, et. al., 1986, p. 17-18). The Borden Group is encountered throughout the area investigated. In the southern portion of the Site, it is overlain by the black, fissile shale and massive cross-bedded sandstone of the Raccoon Creek Group.

The unconsolidated overburden deposits unconformably overlie an erosional surface on top of the Raccoon Creek Group shales and the Borden Group. Due to the age difference of the Pennsylvanian Raccoon Creek Group and the Mississippian Borden Group, there is an unconformity between them. "Along the northern part of the Borden outcrop area in central western Indiana, the Mississipian-Pennsylvanian unconformity truncates younger Mississipian rocks down to the New Albany Shale, so that the Mansfield Formation overlies the Borden Group in part of the area (Shaver, et. al., 1986, p. 18)." The Mansfield Formation is a member of the Raccoon Creek Group (Shaver, et. al., 1986, p. 120).

The Raccoon Creek Group and Borden Group subcrop locations are depicted on Figure 5.3. Geologic cross-sections were developed using the borehole information obtained during the Phase IIB RFI. Cross-section locations and several geologic cross-sections are provided on Figures 5.4 through 5.8. Cross-section A-A' extends from the southeast corner of the Site towards the City wellfield to the west-northwest. The general decrease in topography from the Site (elevation approximately 670 feet amsl to the Wabash River (ground-surface elevation approximately 500 feet amsl) is visible. The most prominent feature is the rapid drop in bedrock elevation between monitoring wells BW-20 (bedrock surface elevation of approximately 520 feet amsl) to monitoring well OB-44 (bedrock elevation approximately 420 feet amsl), a decrease of approximately 100 feet over a horizontal distance of just over 900 feet. Monitoring well BW-20 is located near the rim of the buried bedrock valley while OB-44 is located within the valley fill deposits of the buried bedrock valley. As discussed in Section 5.5.4.1, the horizontal hydraulic gradient in the valley fill overburden deposits are much flatter than the gradients observed in the upland overburden deposits located to the east. This change in horizontal gradient is visible by observing the water level depicted in cross-section A-A'.

5.3 <u>DOWNHOLE GEOPHYSICAL AND VIDEO LOGGING RESULTS</u>

The downhole logging results and the interpreted bedrock geology or lithology which was compiled based on a review of the logging results for PW-2 are presented on Figure 3.13. For discussion purposes, the interpreted geology has been divided into three main depth intervals, namely from 58 to 128 feet bgs, 128 to 220 feet bgs, and 220 to 297 feet bgs.

The well logging results reveal that, with the exception of a thin interbed of siltstone, a shale unit was found between 58 and 75 feet bgs (at the top of the first depth interval). The average gamma response for the shale ranged from 105 to 135 counts per second

(cps), and the corresponding SPR results varied from 75 to 110 Ohm-meters (Ohm-m). The sharp decrease in gamma counts (to 15 cps) coupled with peak SPR values of 160 Ohm-m indicate that a bed of sandstone likely exists between depths of 75 to 80 feet bgs. These observations are consistent with the observations at the nearest bedrock monitoring well (BW-10) where a shale unit was the first bedrock unit encountered and a sandstone bed was observed at approximately 84 feet bgs. Between 80 and 128 feet bgs, the logging results indicate that two sequences of shale grading with depth to siltstone were encountered. Average gamma counts over this interval decreased from approximately 115 to 60 cps, including an abrupt increase in response of 25 cps at a depth of 110 feet bgs, which marks the boundary of the two sequences. A significant fracture was also recorded at this depth, as indicated by the caliper log. Other major fractures were logged in the upper sequence at depths of 90, 97, and 105 feet bgs, and also at the base of the lower unit at 128 feet bgs. The SPR responses varied from 85 to 155 Ohm-m for the upper sequence, and the lower sequence was characterized by a gradual increase in resistance from 125 to 170 Ohm-m over the depth interval of 110 to 128 feet bgs.

The well logging results between 128 and 220 feet bgs indicate that with the exception of thin interbeds of siltstone, a relatively thick sequence of shale was encountered in this depth interval. From 128 to 198 feet bgs, the average gamma response generally ranged from 95 to 125 cps. The corresponding SPR results varied from approximately 100 to 115 Ohm-m. However, a slight decrease in gamma counts coupled with a small increase in the SPR signature at 169 feet bgs suggests that the composition of the shale is not consistent and is siltier, and thus is more consolidated above this depth. The caliper log also reveals that the rugosity (i.e., roughness of the corehole) appears to be greater below a depth of 169 feet than immediately above it, indicating that the deeper sequence of shale is more friable than the sequence which overlies it. The shale sequence is continuous to a depth of approximately 226 feet bgs, with the exception of a thin siltstone bed characterized by gamma and SPR responses of 40 cps and 145 Ohm-m, respectively, between depths of 198 to 200 feet. At the base of the shale, the variable gamma counts (50 to 95 cps) and SPR responses (95 to 130 Ohm-m) indicate that thin interbeds of shale and siltstone are likely present.

The deepest interval extends from a depth of approximately 220 to 297 feet. Average gamma counts of 10 to 20 cps coupled with peak SPR responses of 255 to 275 Ohm-m are strong indicators that a sandstone bed likely exists between depths of 220 to 235 feet bgs. Although the caliper results suggest that the top of the sandstone appears fractured, the consistent (8-inch) diameter corehole logged between a depth of 226 and 235 feet bgs also indicates the presence of a well-consolidated (sandstone) geologic unit. The sandstone is underlain by two thin beds comprised of shale and siltstone between

depths of 235 to 240 feet bgs. The steady decrease in average gamma counts from 110 to 65 cps observed from 240 to 262 feet bgs suggests a gradual change in bedrock composition over this interval, such as a shale grading to a siltstone. Increases in SPR response (95 to 125 Ohm-m) and smooth caliper results between 250 and 262 feet bgs also indicate that the bedrock is becoming more consolidated with depth. Further evidence of consolidation includes the interpreted siltstone response (average gamma of 35 cps and peak SPR result of 175 Ohm-m) between 262 and 268 feet bgs. A thin layer of shale separates the siltstone from a sequence of interbedded sandstone and siltstone at the bottom of the corehole, between depths of 271 to 297 feet bgs. Although the video inspection results indicate interbeds of shale and sandstone, the average gamma response ranging from 20 to 40 cps suggests that beds of siltstone are likely present.

In addition to the yielding the interpreted bedrock geology at PW-2, the logging results also revealed that the well was approximately 297 feet deep, the steel well casing extended to 64 feet bgs, and the static water level in the well was encountered at a depth of about 50 feet bgs.

5.4 <u>SITE HYDROGEOLOGY</u>

5.4.1 OVERBURDEN HYDROGEOLOGIC CONDITIONS

5.4.1.1 OVERBURDEN GROUNDWATER OCCURRENCE AND FLOW

In general, groundwater occurs in the overburden deposits at depths ranging from less than 10 feet bgs to approximately 60 feet bgs. On Site and in areas east of the buried bedrock valley, overburden saturation tends to occur within a few feet of the top of the bedrock. Overburden groundwater is deepest where the overburden deposits are thickest (southern portions of the Site) and shallowest where overburden deposits are thin (northern portion of the Site). Overburden groundwater was absent during drilling activities performed at locations BW-16, BW-18, and BW-20 and overburden monitoring wells were not installed at these locations.

Table 3.3 summarizes the water-level measurement and groundwater elevation data obtained during the Phase IIB RFI during the period of October 2003 through December 2009. Figures depicting overburden groundwater flow are provided in Appendix G. Based on these data, the groundwater flow direction in the overburden is consistently towards the northwest. Each of the overburden groundwater contour maps depicts a slight groundwater mounding effect (flattening of the contours) in the vicinity of Riley Lake. This suggests that seepage from Riley Lake and recharge to the

overburden is occurring in this area. This is consistent with the available information about the lake, which reportedly was constructed with a compacted clay bottom on native deposits.

Overburden horizontal hydraulic gradients were calculated for three areas investigated during the Phase IIB RFI, the southern area generally south of Summit Street, the northern area north of Summit Street, and the western area from OB-44 towards the Wabash River. The horizontal hydraulic gradients parallel to groundwater flow in the southern area were determined using the data from overburden monitoring wells OB-01 and OB-36, in the northern area using the data from overburden monitoring wells OB-16 and OB-31, and from the western area using the data from overburden monitoring wells OB-44 and OB-54. The horizontal gradient data are summarized in Table 5.1.

In the southern area, the horizontal hydraulic gradient ranged from approximately 0.01 to 0.013 with a geometric mean of approximately 0.011. In the northern area, the gradients were slightly higher, ranging from 0.018 to 0.021 with a geometric mean of approximately 0.02. In the western area, the horizontal hydraulic gradients were much lower, ranging from approximately 0.0002 to 0.0018 with a geometric mean of approximately 0.0008. This flattening of the horizontal gradient occurs in the valley fill deposits as the Wabash River is approached.

5.4.1.2 OVERBURDEN RESPONSE TESTING

In order to estimate the hydraulic conductivity of the overburden, single well response tests were completed at 18 overburden wells and piezometers during the Phase IIB RFI. The response tests were evaluated using AQTESOLV (Version 3.01 Professional) using analytical solutions developed by Bower and Rice (1976). The response test data evaluation reports are provided in Appendix H. A summary of response test data is provided in Table 3.4. The response testing recorded a range in hydraulic conductivity from 9.4EE-06 centimeters per second (cm/s) in sand and silt deposits at PZ-04 to 2.0EE-02 cm/s in gravel deposits at OB-15. The calculated geometric mean of the hydraulic conductivity for the overburden is 9.1EE-04 cm/s.

5.4.2 BEDROCK HYDROGEOLOGIC CONDITIONS

5.4.2.1 BEDROCK GROUNDWATER OCCURRENCE AND FLOW

In general, groundwater levels measured in the bedrock wells ranged from less than 10 feet bgs to approximately 60 feet bgs. As evidenced by the stratigraphic logs provided in Appendix C, closely spaced horizontal fractures are predominant in the shales, siltstones, and sandstones deposited beneath the investigation area. Groundwater flow and contaminant transport would occur primarily through these horizontal fracture zones. Bedrock monitoring wells were installed in the first significant fracture zone encountered in the saturated bedrock. In general, with the exception of deeper bedrock wells in nested clusters, the 10-foot screened intervals for the bedrock monitoring wells fall in the range of 540 to 580 feet amsl.

Table 3.3 summarizes the water-level measurement and groundwater elevation data obtained during the Phase IIB RFI. Figures depicting bedrock groundwater flow are provided in Appendix G. Based on these data, the groundwater flow direction in the bedrock is consistently towards the northwest. The bedrock groundwater contour plots indicate that the horizontal gradient is relatively flat in the southern portion of the Site but steepens to the west and northwest.

Bedrock horizontal hydraulic gradients were calculated from BW-02 to BW-07 and from BW-15 to BW-16, parallel to the direction of groundwater flow. The horizontal distance between BW-02 to BW-07 is 1,445 feet and between BW-15 to BW-16 is 895 feet. During the Phase IIB RFI, the horizontal gradient ranged from approximately 0.004 to 0.016 between BW-02 to BW-07, and was approximately 0.087 to 0.092 between BW-15 to BW-16.

The water level data was used to calculate vertical gradients at the 15 overburden/bedrock well nests (Table 5.2). The data for the 15 well nests indicate that six of the well nests exhibit consistently upward gradients, five of the well nests exhibit consistently downward gradients, and four of the well nests exhibit variable gradients (both upwards and downwards). The variability in the vertical gradients between the overburden and bedrock units is likely indicative of the fact that the area lies in a transition zone between the regional groundwater discharge area associated with the Wabash River Valley and regional groundwater recharge areas associated with the upland areas located east of the Site.

5.4.2.2 <u>BEDROCK RESPONSE TESTING</u>

In order to estimate the hydraulic conductivity of the bedrock, single well response tests were completed at 12 bedrock monitoring wells during the Phase IIB RFI. The response tests were evaluated using the AQTESOLV (Version 3.01 Professional) computer program using analytical solutions developed by Bower and Rice (1976). The response test data evaluation reports are provided in Appendix H. A summary of response test data is provided in Table 3.4. The response testing recorded a range in hydraulic conductivity from 1.98EE-04 cm/s in the gray shale unit at BW-03 to 4.08EE-02 cm/s in the siltstone deposit at BW-01. The calculated geometric mean of the hydraulic conductivity for the bedrock aquifer is 2.25EE-03 cm/s.

5.5 GROUNDWATER ANALYTICAL RESULTS

5.5.1 OVERVIEW

Numerous rounds of groundwater monitoring have been completed during the Phase IIB RFI. The first groundwater monitoring round was completed in September 2003, the second in December 2004, and the third in late July/early August 2005. Groundwater samples were collected from all monitoring wells and piezometers existing during the particular event. Groundwater analytical data for October 2003 were previously transmitted in the Interim Data Transmittal (CRA, June 2004). Additionally, 12 groundwater monitoring rounds were conducted during the period from November 2005 through October/November 2009, and monitoring reports summarizing the findings of these events were submitted to U.S. EPA.

The following sections describe the groundwater analytical results for the hydrostratigraphic units investigated. For discussion purposes, groundwater analytical data were compared to IDEM's RDCLs for groundwater, which are the same as U.S. EPA's MCLs. A complete tabulated summary of the groundwater analytical data is provided in Appendix M.

5.5.2 OVERBURDEN GROUNDWATER ANALYTICAL RESULTS

Groundwater sampling in October 2003 included a total 43 groundwater samples (including duplicate samples) collected from 32 overburden monitoring wells (OB-01 through OB-32) and six piezometers (PZ-01 through PZ-06). Groundwater samples collected in October 2003 were analyzed for TCL VOCs, TCL SVOCs, and TAL metals.

Monitoring well OB-26 was resampled in November 2003, due to breakage of some of the sample bottles during transit to the laboratory. The groundwater sample obtained from OB-26 in November 2003 was analyzed for TCL VOCs, TCL SVOCs, and TAL metals.

In December 2004, 48 groundwater samples (including duplicate samples) were collected from 38 overburden monitoring wells and six piezometers. Groundwater samples from all of the overburden wells and piezometers were analyzed for TCL VOCs, and groundwater samples collected from selected monitoring wells were analyzed for TCL SVOCs and selected metals.

In July/August 2005, 55 groundwater samples were collected from the Site-wide overburden monitoring well and piezometer network for TCL VOC analysis. Groundwater samples were collected from monitoring wells OB-09 and OB-14 for selected anion/cation analysis, and groundwater samples collected from monitoring wells OB-01, OB-02, OB-04, OB-06, OB-07, OB-08, OB-10, OB-12, and OB-15 were analyzed for selected total and dissolved metals including arsenic, chromium, and lead.

A letter to U.S. EPA dated June 10, 2005, and subsequently approved by U.S. EPA, summarized the groundwater sampling protocols for regularly (approximately quarterly) groundwater monitoring events. Subsequently, 12 groundwater monitoring rounds were conducted during the period from November 2005 through December 2009 using those approved protocols.

5.5.2.1 VOLATILE ORGANIC COMPOUNDS

Overburden groundwater VOC analytical data are summarized in Table 5.3. During the Phase IIB RFI, the detected VOCs in groundwater were predominantly PCE, TCE, cDCE, and vinyl chloride. The most elevated VOC detections were noted in the overburden monitoring wells located near SWMUs 1 and 2, SWMU 5, and SWMU 11/AOC 2.

A summary of the VOC detections is provided below.

- PCE was detected at concentrations above the RDCLs in the groundwater samples collected from 40 overburden monitoring wells during the Phase IIB RFI.
- TCE was detected at concentrations above the RDCLs in the groundwater samples collected from 32 overburden monitoring wells during the Phase IIB RFI.

• cDCE was detected at concentrations above the RDCLs in the groundwater samples collected from 37 overburden monitoring wells during the Phase IIB RFI.

Other chlorinated volatile organic compounds (CVOCs) detected less frequently at concentrations above the RDCLs included 1,1-DCE, methylene chloride, and vinyl chloride. Vinyl chloride was detected in four overburden groundwater samples collected during the Phase IIB RFI at concentrations ranging from 0.28J to 21 micrograms per liter (μ g/L). Vinyl chloride was detected at concentrations above the RDCL in the two of the overburden groundwater samples collected from OB-38 during December 2004 and August 2005.

Other VOCs detected during the Phase IIB groundwater monitoring activities included methylene chloride, 1,1,1,2-PCA, 1,1-DCE, 1,2-DCA, MIBK, acetone, benzene, carbon disulfide, chloroform, ethylbenzene, naphthalene, toluene, tDCE, and trichlorodifluoromethane (CFC-11). However, none of these VOCs were detected at concentrations above the RDCLs.

The overburden groundwater VOC analytical data during the four most recent sampling rounds through December 2009 are summarized on Figure 5.9.

As discussed in Sections 7.2 and 7.3, soil ICMs were implemented in SWMUs 1 and 2, SWMU 5, and SWMU 11/AOC 2 where soil impacts were known to be present. To date, it is estimated that over 6 tons of VOCs have been removed from the ground by the SVE systems. Through operation of the ICMs, it was expected that the potential leaching of VOCs to groundwater resulting in groundwater contamination would be greatly reduced and groundwater quality would improve. As summarized below, recent groundwater monitoring results confirm the effectiveness of the ICMs implemented in these areas.

SWMUs 1 and 2

As shown in Appendix R, the concentrations of VOCs in the downgradient monitoring well closest to SWMU 1 and 2 (monitoring well OB-19) are trending downwards. OB-28 located farther downgradient of SWMU 1 and 2 also exhibits decreasing concentration trends for PCE and TCE.

SWMU 5 and SWMU 11/AOC 2

Appendix R provides graphs of the groundwater analytical data versus time for several monitoring wells located in close proximity to SWMU 5. Monitoring wells downgradient of and in close proximity to SWMU 5 exhibit decreasing VOC concentrations.

Below is a summary of the concentration trends observed at monitoring wells located near SWMU 5:

- OB-03: the TCE concentration decreased over 98 percent
- OB-04: the TCE concentration decreased 99.5 percent
- OB-05: the TCE concentrations decreased nearly 90 percent
- OB-06: the TCE concentration decreased over 80 percent
- OB-08: the concentration of TCE decreased over 96 percent
- OB-34: located approximately 750 feet downgradient of the center of SWMU 5, the TCE concentration decreased over 94 percent

5.5.2.2 SEMIVOLATILE ORGANIC COMPOUNDS

Overburden groundwater SVOC analytical data are summarized in Table 5.4. Two SVOCs were detected at concentrations above the RDCLs during the October 2003 groundwater monitoring event. A summary of the SVOC detections is provided below.

B2EP was detected in two of the overburden groundwater samples collected during October 2003 at concentrations of 0.0026 and 0.032 mg/L. B2EP was detected at concentrations above the RDCL in the groundwater sample collected from monitoring well OB-08 during October 2003. However, during December 2004, B2EP was not detected at concentrations above the RDCL in the groundwater sample collected from monitoring well OB-08.

Indeno(1,2,3-cd)pyrene was detected in 19 of the overburden groundwater samples collected during October 2003 at concentrations ranging from 0.0000023 to 0.00007 mg/L. Indeno(1,2,3-cd)pyrene was detected at concentrations above the RDCL in the groundwater samples collected from monitoring well OB-15 and piezometer PZ-05 during October 2003.

Other SVOCs detected in overburden groundwater samples during the October 2003 Phase IIB groundwater monitoring round included naphthalene, phenol, acenaphthene, anthracene, benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, chrysene, dibenz(a,h)anthracene, fluoranthene, fluorene, and pyrene. However, none of these SVOCs were detected at concentrations above the RDCLs.

SVOCs were not detected at concentration above the RDCLs in the groundwater samples collected in 2004. Based on the analytical data obtained during two Phase IIB RFI groundwater monitoring events, SVOCs are not analytes of concern in the overburden groundwater at the Site.

5.5.2.3 <u>METALS</u>

Overburden groundwater TAL metals analytical data are summarized in Table 5.5 and on Figure 5.10. TAL metals that were detected at concentrations above the RDCLs in overburden groundwater samples included beryllium, total chromium, lead, nickel, and thallium. A summary of the TAL metals detections is provided below.

The following total metals were detected at concentrations above the IDEM RDCLs:

- Arsenic at OB-01 (during October 2003 only), OB-06, and OB-07
- Beryllium at OB-06
- Total chromium at OB-2, OB-06, and OB-07
- Lead at OB-01 (during October 2003 only), OB-04 (during October 2003 only), OB-06, OB-07, OB-08 (during October 2003 only), OB-10 (during October 2003 only), OB-12 (during October 2003 only), OB-15 (during October 2003 only), and PZ-06 (during October 2003 only)
- Nickel at OB-02
- Thallium at OB-07

The following total metals were detected at concentrations above the IDEM IDCLs:

- Arsenic at OB-01 (during October 2003 only), OB-06, and OB-07
- Total chromium at OB-2, OB-06, and OB-07
- Lead at OB-06, OB-07, and OB-12 (during October 2003 only)

A number of metals, particularly arsenic, beryllium, chromium, lead, nickel, and thallium, were detected at concentrations above the RDCLs in the groundwater samples collected adjacent to and downgradient of SWMU 5, but these detections do not extend off the RMC property. Metals were not detected at concentrations above the RDCLs in the groundwater samples collected from monitoring wells located north of Summit Street.

Lead was detected in a number of groundwater samples from monitoring wells OB-01, OB-04, OB-08, OB-10, OB-12, OB-15, and PZ-06 above the RDCLs and IDCLs during October 2003 only, and was not detected at concentrations above the RDCLs or IDCLs during subsequent sampling rounds. This same observation is true for arsenic in the groundwater sample from OB-01 during October 2003. This suggests that the more elevated arsenic and lead levels observed during October 2003 at these wells were biased high and are not representative of groundwater conditions. This is most likely due to the presence of suspended sediment in the October 2003 groundwater samples.

5.5.3 BEDROCK GROUNDWATER ANALYTICAL RESULTS

In October 2003, 11 groundwater samples were obtained from a network of ten bedrock monitoring wells. Groundwater samples collected in October 2003 were analyzed for TCL VOCs, TCL SVOCs, and TAL metals. Eight additional bedrock monitoring wells were installed during October and November 2004. In December 2004, 21 groundwater samples (including duplicate samples) were collected from 18 bedrock monitoring wells. During December 2004, groundwater samples from all of the bedrock monitoring wells were analyzed for TCL VOCs, and one groundwater sample collected from monitoring well BW-06 was analyzed for total and dissolved (field filtered) lead. Three new bedrock monitoring wells were installed in 2005, and the full bedrock monitoring well network was sampled in August 2005. Groundwater samples collected from the bedrock monitoring well network in 2005 were analyzed for TCL VOCs. Twelve regular groundwater monitoring activities were completed from 2006 through 2009. Reports of these regular groundwater monitoring events were submitted to U.S. EPA. The most recent of these 12 regular groundwater monitoring events was performed in December 2009.

5.5.3.1 VOLATILE ORGANIC COMPOUNDS

The analytes detected most frequently at concentrations above the RDCLs in bedrock groundwater were several CVOCs including PCE, TCE, 1,1-DCE, cDCE, and vinyl chloride. Bedrock groundwater VOC analytical data are summarized in Table 5.6 and on Figure 5.11.

A summary of the VOC detections is provided below.

- PCE was detected in the groundwater samples collected from 22 bedrock monitoring wells during the Phase IIB RFI
- TCE was detected in the groundwater samples collected from 16 bedrock monitoring wells during the Phase IIB RFI
- 1,1-DCE was detected in the groundwater samples collected from 11 bedrock monitoring wells during the Phase IIB RFI
- cDCE was detected in the groundwater samples collected from 15 bedrock monitoring wells during the Phase IIB RFI
- Vinyl chloride was detected in the groundwater samples collected from six bedrock monitoring wells during the Phase IIB RFI

Other VOCs detected during the Phase IIB groundwater monitoring activities included bromodichloromethane, chloromethane, dibromochloromethane, xylenes, tDCE, carbon disulfide, toluene, and methylene chloride. However, none of these detected VOC concentrations were above the RDCLs.

5.5.3.2 SEMIVOLATILE ORGANIC COMPOUNDS

Acenaphthene, acenaphthylene, anthracene, benzo(a)anthracene, benzo(a)pyrene, benzo(g,h,i)perylene, benzo(k)fluoranthene, chrysene, dibenz(a,h)anthracene, fluoranthene, fluorene, indeno(1,2,3-cd)pyrene, phenanthrene, and pyrene were all detected in bedrock groundwater samples collected during the Phase IIB RFI. However, none of the SVOC concentrations were above the RDCLs. Bedrock groundwater SVOC analytical data are summarized in Table 5.7.

5.5.3.3 <u>METALS</u>

Bedrock groundwater TAL metals analytical data are summarized in Table 5.8 and on Figure 5.12. Total lead was the only TAL metal that was detected at a concentration above the RDCL in bedrock groundwater samples. Total lead was detected at a concentration above the RDCL in the groundwater sample collected from monitoring well BW-06 during the October 2003 monitoring round. However, total and dissolved lead were not detected at concentrations above the RDCL in the groundwater sample collected from BW-06 in December 2004.

5.6 <u>VERTICAL AQUIFER SAMPLING RESULTS</u>

Vertical groundwater sampling results are summarized in Table 5.9 and Table 5.10 and on Figure 5.13

5.6.1 OVERBURDEN VAS RESULTS

Overburden VAS was performed at locations OB-44, OB-45D, OB-46D, OB-47D, OB-48D, OB-49, OB-50, OB-53, and OB-54. The purpose of these samples was to vertically profile the groundwater in order to select screened intervals for monitoring wells installed at these locations. The screened intervals for the groundwater monitoring wells were set to correspond to depth intervals where the highest VOC concentrations were observed.

VOCs were not detected at concentrations above the MCLs/RDCLs in the VAS groundwater samples obtained from OB-46D, OB-48D, OB-49, or OB-53.

5.6.2 BEDROCK VAS RESULTS

VAS groundwater samples were collected from locations BW-01, BW-03, BW-07/7A, BW-14A, and BW-18A. VAS groundwater samples were analyzed for TCL VOCs to evaluate groundwater quality with depth. VOCs were not detected at concentrations above the MCLs/RDCLs in the VAS groundwater samples obtained from locations BW-01 (located upgradient of SWMU 5), BW-14A (located downgradient of SWMU 5), or BW-18A (located downgradient of SWMUs 1, 2, 3, and 12).

At BW-03 (located downgradient of SWMUs 1, 2, 3, and 12), the PCE, TCE, and cDCE concentrations appear to be slightly higher with depth. At BW-18A, located northwest

of BW-03, VOCs were not detected at concentrations above the MCLs/RDCLs in the VAS groundwater samples collected to a depth of 170 feet bgs. Due to the uniformity of VOC analytical results in the vertical samples from BW-07, no definitive conclusions can be drawn from the vertical groundwater analytical data. However, additional VAS groundwater samples were collected at this same location (BW-07A) at deeper depth intervals (150 to 175 feet bgs and 175 to 200 feet bgs). Vinyl chloride and cDCE were detected at concentrations above the MCLs/RDCLs in the groundwater sample obtained from 150 to 175 feet bgs but all VOCs were below the MCL/RDCL in the groundwater sample obtained from 175 to 200 feet bgs. At BW-14A, located northwest of SWMU 5, VOCs were not detected at concentrations above the MCLs/RDCLs in the VAS groundwater samples collected to a depth of 190 feet bgs (CRA, December 2008). At BW-01, located upgradient of SWMU 5, VOCs were not detected at concentrations above the MCLs/RDCLs in the VAS groundwater samples collected to a depth of 126 feet bgs.

5.7 <u>ARTESIAN WELL WATER SAMPLE</u>

An artesian well is present to the northwest of the Riley residence, which is located northwest of the RMC plant. A grab water sample was obtained from the artesian well and analyzed for TCL VOCs. A summary of the artesian well water analytical data is provided in Table 5.11. VOCs detected at concentrations above the RDCLs included cDCE (0.098 mg/L) and vinyl chloride (0.015 mg/L). Other VOCs detected at concentrations below the RDCLs include tDCE (0.0038 mg/L) and TCE (0.0018 mg/L). A number of other VOCs were detected at estimated concentrations. The artesian well location is downgradient of SWMU 11. The artesian well was closed during the Phase IIB RFI, as discussed in Section 3.12.

5.8 PRODUCTION WELL DATA

5.8.1 PRODUCTION WELL WATER SAMPLES

Grab water samples were obtained for analysis from the two on-Site production wells (AOC 5) before the wells were taken out of service in November 2008. Water samples from PW-1 were analyzed for TCL VOCs, TAL metals, and general chemistry. The water sample from PW-2 was analyzed for TCL VOCs. The production well analytical results are summarized in Table 5.12. PW-1 was equipped with an iron treatment system that includes an oxidation tower and an anthracite filter. The blower for the oxidation tower was out-of-service, but water still cascaded from the top of the tower into the anthracite filter. Initial grab water samples were obtained from PW-1 from

before and after the iron filtration system. The grab groundwater samples from PW-2 were obtained from the pipe that feeds Riley Lake. Prior to sampling each location, the spigot was opened and water was allowed to run for a minimum of 15 minutes.

A number of VOCs were detected at estimated concentrations in the water samples collected from PW-1, including cDCE, tDCE, and TCE. cDCE and TCE were detected at concentrations of 0.0058 and 0.0032 mg/L, respectively, in the pre-iron filter sample collected from PW-1. cDCE and TCE were detected at concentrations of 0.0037 and 0.0018 mg/L, respectively, in the post-iron filter sample collected from PW-1. cDCE and TCE were detected in the water sample collected from PW-2 at concentrations of 0.015 and 0.0024 mg/L, respectively. Trace concentrations below 0.001 mg/L of tDCE, vinyl chloride, and benzene were detected in the sample collected from PW-2. Several other VOCs were detected at estimated concentrations in the groundwater sample collected from PW-2.

None of the VOCs and metals were detected at concentrations above the federal MCLs in the water samples obtained from PW-1. Iron and manganese were detected at concentrations above the secondary maximum contaminant levels (SMCLs) in the pre-iron filter sample, but well below the SMCLs in the post-iron filter sample.

5.8.2 RESIDENTIAL WATER SAMPLES

Prior to being removed from service in November 2008, PW-1 supplied potable water to less than 10 residences in close proximity to the Site and PW-2 was reportedly used as a backup water supply. The TCE concentrations in the residential water samples ranged from 1.8 to $2.2\,\mu g/L$ and the cDCE concentrations ranged from 3.8 to $4.3\,\mu g/L$, which are comparable to the concentrations of these analytes observed in the post-iron filter sample collected from PW-1.

Residential water data are summarized in Table 5.13. None of the VOCs were detected at concentrations above the RDCLs, or the federal MCLs or SMCLs in the water samples obtained from four residences. Both on-Site production wells have been out-of-service since November 2008, when the residences served by these wells were connected to the City water supply network. On-Site production wells PW-1 and PW-2 are scheduled for closure in accordance with State of Indiana requirements.

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5.9 DISCUSSION OF GROUNDWATER ANALYTICAL DATA

5.9.1 <u>SOUTHERN AREA</u>

In the southern portion of the groundwater investigation area, a groundwater VOC plume primarily consisting of dissolved PCE, TCE, and cDCE appears to be originating from SWMU 5, where the highest VOC groundwater concentrations were observed in the overburden monitoring wells. Elevated levels of VOCs were observed in numerous soil samples collected from SWMU 5, including isolated observations of potential free product in August 2003. Elevated concentrations of VOCs in SWMU 5 soil were observed to extend to a sufficient depth for leaching of VOCs from the former disposal area to overburden groundwater present at approximately 55 feet bgs in this area. Potential free product was observed in three SWMU 5 borings advanced in August 2003, at depths between 15 and 24 feet bgs, but VOC concentrations indicative of potential free product were generally not observed in the deepest soil samples collected from SWMU 5. VOC concentrations in these soils were generally in the single digit parts per million range or lower.

SWMU 11/AOC 2 appears to be contributing primarily dissolved TCE to overburden groundwater in the southern portion of the groundwater investigation area. Elevated concentrations of TCE were observed in the soil samples collected in the area near the former PCE degreaser. Reportedly, TCE was used in this degreaser prior to the use of PCE, and potential free product was observed in one of the soil borings advanced adjacent to the former location of the PCE degreaser (B-1117) at a depth of 20 to 24 feet bgs in September 2003. The soil sample from this depth interval contained PCE at a concentration of 1,900 mg/kg. Additionally, elevated concentrations of TCE are present in the soil samples collected near the eastern property boundary adjacent to the main plant. Reportedly, drums containing TCE were staged in this area, although it is the deeper subsurface soil samples that exhibit the greater TCE concentrations. Some of the deepest subsurface soil samples in the SWMU 5/AOC 2 area exhibit PCE and/or TCE concentrations in the several hundred parts per billion to low single digit parts per million levels, indicating a potential source for these analytes in overburden groundwater.

As discussed in Section 7.3, U.S. EPA-approved soil ICMs were implemented in SWMU 5 and SWMU 11/AOC 2 where soil impacts are known to be present as the result of Site investigations. To date, it is estimated that over 6 tons of VOCs have been removed from the ground by the SVE systems. Through operation of the ICMs, it was expected that the potential leaching of VOCs to groundwater resulting in groundwater contamination would be greatly reduced and groundwater quality would improve.

Recent groundwater monitoring results indicating substantial reduction in VOC concentrations in groundwater samples from overburden monitoring wells located near the source areas confirm the effectiveness of the ICMs implemented in these areas.

Although observations of potential free product were noted in the vadose zone soil at a small number of borehole locations, the concentrations of PCE and TCE in the groundwater in the southern portion of the Site generally are below the 1 percent of solubility rule-of-thumb considered indicative of potential dense non-aqueous phase liquid (DNAPL) as described in U.S. EPA 1992. For example, using a published solubility for PCE of 150 mg/L (Montgomery 2000), the 1 percent threshold concentration in groundwater indicative of potential DNAPL would be 1.5 mg/L. There were no detections of PCE in groundwater in the southern portion of the Site that were at or above 1.5 mg/L.

Using the published TCE solubility in water of 1,100 mg/L (Montgomery 2000), the 1 percent threshold concentration in groundwater indicative of potential DNAPL would be 11 mg/L. TCE was detected at concentrations above the 1 percent threshold concentration at two overburden monitoring wells on the southern portion of the Site (OB-3 and OB-8). However, since the startup of the soil ICMs, the concentration of TCE in the groundwater at these two locations has decreased to well below 1 mg/L. Because the soil ICMs implemented in SWMU 5 and SWMU 11/AOC 2 target the vadose zone soil, the significant decrease in the VOC concentrations in the groundwater demonstrate that the TCE present in the groundwater at these locations is the result of leaching of residual TCE from the soil column above the groundwater and not from a residual DNAPL source located within the saturated zone. If dissolution of TCE from a DNAPL source present within the saturated zone were the principal reason for impacts to the overburden groundwater, then implementation of soil ICMs would have relatively minimal impact on the concentrations of TCE in the groundwater.

The overburden groundwater VOC plume in the southern portion of the groundwater investigation area extends towards the northwest, parallel to the direction of groundwater flow. PCE and TCE concentrations in the monitoring wells located farthest downgradient (OB-52) are above the RDCLs and in the low double-digit parts per billion range.

The bedrock groundwater downgradient of SWMU 5 does not exhibit the same magnitude of VOC concentrations as was observed in the overburden groundwater. Moreover, rather than TCE, cDCE is the VOC exhibiting the highest concentrations downgradient of SWMU 5, comprising 70 percent or more of the total VOC concentration. Additionally, vinyl chloride is detected more frequently and at higher

concentrations in the bedrock groundwater than in the overburden monitoring wells downgradient of SWMU 5. Farther downgradient at monitoring well BW-07, vinyl chloride comprises a larger percentage of the total VOC concentration. These data indicate that the parent compounds (TCE and, to a lesser extent, PCE) are undergoing reductive dechlorination with depth and distance from the source(s). However, recent groundwater monitoring results confirm that the soil ICMs implemented in the vicinity of SWMU 5 and SWMU 11/AOC 2 have been effective at reducing leaching of VOCs to groundwater and have resulted in significant improvements in the on-Site groundwater quality.

Low levels of TCE and cDCE were detected in the deep (200 to 300 feet) on-Site production wells that are screened in limestone deposits. It is unclear whether these compounds are present due to leaching from overlying units into the bedrock or due to vertical migration along the well/borehole annulus. However, geophysical and video logging of production well PW-2 indicates that the borehole is uncased from approximately 68 feet bgs to the base of the well. This configuration would be susceptible to cross contamination from VOCs present at higher elevations by vertical migration along the borehole annulus. However, VAS completed at BW-07A and BW-14A demonstrated that VOC concentrations in the bedrock above the RDCLs did not extend below 175 feet bgs.

5.9.2 NORTHERN AREA

In the northern portion of the groundwater investigation area, an overburden groundwater VOC plume extends towards the northwest from the SWMU 1 and 2 areas where the most elevated concentrations are observed in the groundwater. The northern overburden VOC plume is comprised primarily of dissolved PCE and TCE. Elevated concentrations of VOCs were detected in proximity to the buried waste deposits present in the SWMU 1 and 2 areas and seem to be contributors to dissolved VOCs in the overburden groundwater in this area. The overburden is much thinner in this area (less than 20 feet thick) and the area is unpaved, enhancing the potential for leaching to overburden groundwater. However, as discussed in Section 7.3, U.S. EPA-approved soil ICMs were implemented in SWMUs 1 and 2 to reduce the potential leaching of VOCs to groundwater. Recent groundwater monitoring results confirm the effectiveness of the ICMs implemented in the SWMU 1 and 2 area.

The concentrations of PCE and TCE in the groundwater in the northern portion of the Site are generally below the 1 percent of solubility rule-of-thumb considered indicative of potential DNAPL. There we no detections of TCE in groundwater in the northern

portion of the Site that were at or above 11 mg/L. PCE was detected at concentrations above the 1 percent threshold concentration at two monitoring wells on the southern portion of the Site (OB-19 and the adjacent BW-09). However, since the implementation of the soil ICMs, the concentration of PCE in the groundwater at these two locations has decreased to well below 1 mg/L. Again, as discussed in Section 5.8.1, this strongly suggests that the PCE present in the groundwater at these locations is the result of leaching of residual PCE from the soil column above the groundwater and not from a residual DNAPL source located within the saturated zone.

The overburden VOC plume extends towards the northwest, parallel to groundwater flow, into an agricultural field and the former Riley Airport landing strip owned by the Riley family. PCE and TCE concentrations in groundwater approaching 300 parts per billion are present in the farthest downgradient overburden monitoring wells (OB-30 and OB-31). However, groundwater is absent from the overburden farther downgradient of these well locations, and VOC concentrations above the MCLs were not detected in the downgradient bedrock monitoring wells.

Concentrations of PCE, TCE and cDCE were above 1 mg/L in the groundwater samples collected from bedrock monitoring wells located north and west of SWMUs 1 and 2. Approximately 1,100 feet downgradient (northwest) of SWMUs 1 and 2, bedrock groundwater VOC concentrations at BW-04 are still above 1 mg/L, but are below the RDCLs at the wells located farthest downgradient (BW-16 and BW-18). cDCE forms a large percentage of the total VOC concentrations in the bedrock groundwater samples in this area.

6.0 <u>VAPOR INTRUSION STUDY RESULTS</u>

6.1 <u>SOIL VAPOR ANALYTICAL RESULTS</u>

The soil vapor analytical data obtained during the VIS are summarized in Appendix O. Soil vapor probe locations are shown on Figure 3.15. The soil vapor analytical data were compared to IDEM's residential soil gas prompt action levels (IDEM, April 26, 2006). Two VOCs, PCE and TCE, were detected in soil gas samples collected from the soil vapor probes.

The following summarizes the analytical results from soil gas samples collected from the soil vapor probes during the RFI.

- The concentration of PCE or TCE was above IDEM's 1-year residential soil gas prompt action levels in at least one soil gas sample collected from vapor probes VP-5, VP-7, VP-8, VP-9, VP-10, and VP-23
- The concentration of PCE or TCE was above IDEM's 5-year residential soil gas prompt action levels in at least one soil gas sample collected from vapor probes VP-6/6R, VP-11/11R, VP-12, VP-17/17R, VP-24 through VP-26, VP-34, VP-42, and VP-43
- The concentration of PCE or TCE was above IDEM's 10-year residential soil gas prompt action levels in at least one soil gas sample collected from vapor probe VP-16/16R
- The concentration of PCE or TCE was above IDEM's 20-year residential soil gas prompt action levels in at least one soil gas sample collected from vapor probes VP-2a and VP-3/3R
- The concentration of PCE or TCE was above IDEM's 30-year residential soil gas prompt action levels in at least one soil gas sample collected from vapor probes VP-4/4R, VP-13/13R, and VP-27
- All of the soil gas analytical results were below the 30-year residential soil gas action levels in the soil gas samples collected from all of the remaining soil vapor probes

Vapor probes VP-5, VP-8, VP-9, and VP-10 are located around the residence located at 1009 Reimer Street. Vapor probe VP-7 is located northwest of the RMC plant adjacent to land used for farming and a public park (Riley Park) located north of Summit Street and east of Hollovy Street.

In response to the detections of PCE and TCE above IDEM's residential 1-year prompt action levels at VP-23, a work plan was submitted to U.S. EPA by ENVIRON to address installation of vapor mitigation systems in selected residences located along Summit Street (ENVIRON, March 2008b). Eight of the ten residents granted access, and vapor mitigation systems, consisting of subslab/submembrane depressurization systems, were installed at these residences.

As of the date of this report, the soil vapor study is still in progress to the east of the RMC Site. However, the soil vapor analytical data indicate that PCE, TCE, and related VOCs concentrations in soil vapor are below IDEM's 30-year prompt soil gas action levels in areas to the west and northwest of the VIS study area and the RMC Site. Specifically, soil gas levels are below IDEM's 30-year prompt soil gas action levels in vapor probes VP-14R, VP-21, VP-22, VP-28 through VP-33, and VP-35 through VP-41 Figure 6.1.

6.2 INDOOR AIR SAMPLING

Due to the proximity of the residence at 1009 Reimer Street to SWMU 5 where elevated VOCs in the soil and groundwater were known to be present, indoor air sampling was initiated on August 12 and August 31, 2005. A number of VOCs were detected in the indoor air samples collected from 1009 Reimer Street, including a number of VOCs commonly observed in common household products and goods. However, the concentration of TCE in air in the living space at 1009 Reimer Street was 24 micrograms per cubic meter (μ g/m³) and 25 μ g/m³ during the sampling events.

Additionally, subslab probes were installed at 911 and 1005 Summit Street in December 2006 and sampled in December 2006 and January 2007.

At 911 Summit Street, PCE was detected in the subslab vapor samples at concentrations up to 1,800 μ g/m³, and TCE was detected at concentrations up to 53 μ g/m³. In indoor air, PCE was detected at concentrations up to 19 μ g/m³. TCE, cDCE, and vinyl chloride also were detected in indoor air samples at concentrations below 1 μ g/m³.

At 1005 Summit Street, PCE was detected in the subslab vapor samples at concentrations up to 110 μ g/m³, and TCE was detected at concentrations up to 20 μ g/m³. In indoor air samples, PCE was detected in indoor air at concentrations up to 1.7 μ g/m³. TCE, cDCE, and vinyl chloride also were detected in indoor air samples at concentrations below 1 μ g/m³.

Vapor mitigation systems consisting of subslab depressurization systems were installed in these residences in January and February 2007.

The remainder of the residences from which access could be obtained were investigated consistent with the March 2008 Indoor Air Sampling Work Plan (ENVIRON March 2008a). A summary of the ambient air, subslab vapor, crawlspace air, and indoor air samples collected during the vapor intrusion investigation is provided in Appendix A. Tabulated summaries of indoor air, crawlspace air, and subslab analytical data are provided in Appendix P. In general, the VOCs detected most commonly in indoor air, crawlspace air, and subslab vapor samples included PCE and TCE, and these were the only VOCs detected at concentrations above IDEM's default action levels stated in its Draft Vapor Intrusion Pilot Program Guidance. Vinyl chloride and cDCE were detected less frequently in indoor air, crawlspace air, and subslab vapor samples and at concentrations below IDEM's default action levels.

6.3 **VAPOR MITIGATION**

6.3.1 PREVIOUS RESPONSE ACTIONS

In response to potential vapor intrusion at residences located near areas with elevated soil gas concentrations above IDEM's 1-year prompt soil gas action levels, the document entitled Vapor Intrusion Mitigation System Installation, Attica, Indiana (ENVIRON, March 2008b), was submitted to U.S. EPA to address potential vapor intrusion into specific residences in the areas west/northwest of the RMC facility. Intrusion Mitigation System Installation Work Plan was approved by U.S. EPA on March 13, 2008.

The Vapor Intrusion Mitigation System Installation work plan proposed the design and installation of vapor intrusion mitigation systems at the ten residences located on Summit Street as listed below:

801 E. Summit Street	813 E. Summit Street
805 E. Summit Street	901 E. Summit Street
806 E. Summit Street	903 E. Summit Street
807 E. Summit Street	905 E. Summit Street
809 E. Summit Street	907 E. Summit Street

These residences are within 100 feet of vapor probe VP-23, where soil gas concentrations were above IDEM's 1-year prompt soil gas action levels. Residences located along

Summit Street between VP-23 and the RMC Site were selected for vapor mitigation system installation. As of the date of this report, access was granted and vapor mitigation systems were installed in eight of the ten residences listed above.

In addition to the vapor mitigation systems, every residence in the vapor intrusion investigation area depicted on Figure 6.1 was offered an indoor air treatment unit. The indoor air treatment systems use ultraviolet (UV) light, which is known to destroy VOCs, including PCE and TCE. The UV light treatment system consists of furnace-mounted and portable units with a fully enclosed UV light source, which use either the furnace-mounted blower (furnace-mounted units) or a built-in fan (portable units) to induce air flow through the enclosed UV light source. Indoor air treatment systems were installed in over 90 residences.

6.3.2 DEVELOPMENT OF THE VAPOR MITIGATION APPROACH

The technical and engineering approach for the mitigation of the potential vapor intrusion pathway was developed and summarized in the report entitled *Vapor Intrusion Mitigation Interim Corrective Measures Work Plan* (CRA, December 2009). The objective of this vapor mitigation ICM is to minimize the presence of VOCs above the 30-year exposure period indoor air action levels while other corrective measures are being implemented at and around the RMC Site to, *inter alia*, improve the soil and groundwater quality and reduce the potential for future vapor intrusion.

Initially, the subslab vapor, crawlspace air, and indoor air samples were compared to the applicable default action levels in IDEM's Draft Vapor Intrusion Pilot Program Guidance (IDEM, April 26, 2006 and February 4, 2010). However, IDEM's 2006 draft guidance does not incorporate the most up-to-date science with respect to toxicological inputs. In order to properly evaluate the indoor air, subslab, and crawlspace data developed to date and to be obtained during future work, risk-based action levels were developed to provide appropriate criteria upon which to base decisions.

The vapor mitigation approach included development of Site-specific, risk-based action levels for indoor air, crawlspace air, and subslab vapor, which were reviewed and approved by U.S. EPA and IDEM. Risk-based action levels were developed for PCE, TCE, cDCE, tDCE, 1,1-DCE and vinyl chloride for subslab vapor, crawlspace air, and indoor air media as summarized in the report entitled *Vapor Intrusion Mitigation Interim Corrective Measures Work Plan* (CRA, December 2009). The Vapor Intrusion Mitigation Interim Corrective Measures Work Plan was submitted to U.S. EPA on October 5, 2009 and conditionally approved by U.S. EPA on November 23, 2009. The Vapor Intrusion

Mitigation Interim Corrective Measures Work Plan was revised consistent with the response letter to U.S. EPA dated December 28, 2009. The document entitled *Vapor Intrusion Mitigation Interim Measures Design Program* was subsequently submitted to U.S. EPA on January 11, 2010. Table 6.1 summarizes the indoor air, crawlspace, and subslab vapor action levels developed in the Vapor Intrusion Mitigation Interim Corrective Measures Work Plan.

The Vapor Intrusion Mitigation Interim Measures Design Program provided the basis for the design procedures, and design approach for vapor mitigation measures to be implemented. U.S. EPA conditionally approved the Vapor Intrusion Mitigation Interim Measures Design Program on February 23, 2010. Implementation of this program is currently underway. Details of the Vapor Intrusion Mitigation ICM are discussed in Section 7.7.

7.0 SUMMARY OF INTERIM CORRECTIVE MEASURES

7.1 <u>OVERVIEW</u>

Based on the findings of the Phase IIB RFI, a number of ICMs were developed. ICMs are defined by U.S. EPA as measures to control or abate potential threats to human health and/or the environment from releases and/or to prevent or minimize the further spread of contamination while long-term remedies are pursued.

According to U.S. EPA, conditions under which ICMs may be appropriate include:

- releases that may pose actual or imminent exposure threats;
- releases that, if not addressed expeditiously, may result in further significant contamination of environmental media in the near to mid-term (e.g., 5 to 10 years);
 or
- characteristics suggest that the site may be amenable to measures designed to control or abate imminent threats or prevent or minimize the further spread of contamination.

ICM Work Plans were prepared that identified the areas of the Site that would be amenable to ICMs, the stabilization technologies selected and the rationale for selection, as well as the activities required to investigate the technologies and obtain the data and information required to design and implement the proposed stabilization technologies.

An ICM work plan was submitted to U.S. EPA on July 25, 2006. The ICM work plan proposed ICMs for the following areas of the Site:

- SWMU 1 and SWMU 2
- SWMU 5
- SWMU 11/AOC 2
- SWMU 12
- AOC 3B

U.S. EPA approved the ICM work plan on August 27, 2006.

7.2 SWMU 1 AND 2 INTERIM CORRECTIVE MEASURES

Based on the findings of the Phase IIB RFI, an ICMs Work Plan was developed. Limited excavation, ex-situ SVE of the excavated waste, and in-situ SVE were identified as ICMs

that would be applicable to SWMUs 1 and 2. To address removal of waste and visibly impacted soil from SWMUs 1 and 2, the *Interim Corrective Measures Excavation Work Plan SWMUs 1 and 2 and AOC 3B, Radio Materials Corporation, Attica, Indiana* (CRA 2007) was submitted to U.S. EPA on February 28, 2007 and subsequently approved by U.S. EPA on March 19, 2007. The report entitled *Interim Corrective Measures Soil Vapor Extraction and In-Situ Chemical Oxidation Design and Implementation Work Plan* (CRA, April 12, 2007) was submitted to U.S. EPA under a cover letter dated April 12, 2007. U.S. EPA approved the work plan and subsequent modifications on July 9, 2007. The April 12, 2007 ISCO and SVE work plan described implementation of the SVE ICM in SWMUs 1 and 2, and implementation of SVE and ISCO ICMs in SWMU 5 and SWMU 11/AOC 2 to control or abate potential threats to human health and/or the environment by reducing the concentrations of VOCs present in soil.

Activities related to the excavation of waste and visibly impacted soil commenced on February 22, 2008, and were completed on March 6, 2008. Waste characterization sampling and analysis of the excavated material was conducted. Based on the results of the excavated soil characterization analyses, CRA submitted a letter to U.S. EPA on April 29, 2008, requesting a modification to the approved ICM work plans for excavation and SVE for SWMUs 1 and 2. The proposed modifications would allow ex-situ treatment of the excavated material within the boundary of SWMUs 1 and 2. The treatment would involve construction of a lined cell within the boundaries of the SWMU 1 and 2 area, placement of excavated soil in the lined cell, and connection of the cell to the planned and approved SVE system. In a letter dated May 1, 2008, the U.S.EPA approved the modifications to the ICM work plan.

Following completion of excavation activities, the treatment cell was constructed and the excavated materials were moved from roll-off boxes into the cell. Once the cell was filled and covered, installation of the in-situ SVE system proceeded. Due to the relatively shallow water in the treatment area, horizontal drilling was used to install the SVE extraction wells. The horizontal wells are connected to 10-inch ID PVC header lines. All horizontal well screened sections, with the exception of those running under the treatment cell, were divided in half by use of a physical termination of the section or inflatable packer. All horizontal wells were installed between 6.0 and 10.0 feet bgs using directional drilling techniques. All header lines enter the SVE component building via a 12-inch flanged connection and connect to a moisture separator.

The SVE components include a 150-horsepower rotary lobe blower, one moisture separator (or knock out tanks) in series, one transfer pump, one 500-gallon condensate storage vessel, various gauges, and system controls (i.e., SCADA 3000). The blower, moisture separators, transfer pump, and various gauges are located inside a shipping

container that is being used as the SVE building. The building rests on a concrete pad and is secured by a 6-foot chain link fence. The system controls are located in a separate room within the building. The effluent stack from the system exhausts outside approximately 20 feet above ground surface. System construction began in July 2008, and the system was completed and startup began in August 2008.

Figure 7.1 depicts the as-built configuration of the SWMU 1 and 2 SVE system.

7.3 SWMU 5, 11 AND AOC 2 INTERIM CORRECTIVE MEASURES

Based on the findings of the Phase IIB RFI, in-situ chemical oxidation (ISCO) and SVE were identified as ICMs that would be applicable to SWMUs 5 and 11 and AOC 2. A chemical oxidation treatability study was completed and submitted to U.S. EPA on October 12, 2006, and was subsequently approved on November 2, 2006. An ISCO and SVE work plan (CRA, April 12, 2007), as described in Section 7.3, was submitted to and approved by U.S. EPA.

The objective of the ISCO and SVE in SWMUs 5 and 11 and AOC 2 was to address hot-spots and extract contaminated soil vapors and promote the volatilization of VOC contamination in the vadose zone soils. Site investigations indicated that there were distinct shallow and deep sand zones separated by a clay confining layer. In order to address the two distinct zones, the SVE system was designed with separate shallow and deep zone extraction arrays.

The objective of implementing ISCO was to rapidly reduce VOC concentrations in the areas where the greatest concentrations were observed and, in doing so, minimize any ongoing and/or potential releases.

ISCO injections were performed in SWMU 5 in the area around borings B-512, B-517, B-518, and B-524 and at SWMU 11 in and around the area of boring B-1117 at specific depth intervals where potential free product was present in August and September 2003, based upon visual observation and PID readings exceeding 1,500 parts per million (benzene equivalents). The following summarizes the SWMU locations, borehole locations, depth intervals, maximum PID readings, and observations of boreholes that were the target depth interval for ISCO injections.

SWMU	Identifier	Depth Int. (ft bgs)	PID	Observations
5	B-512	15-20	1,516	Black staining, strong solvent odor
5	B-517	15-20	3,650	Black staining, strong solvent odor, potential free product
5	B-518	16-20	3,426	Potential free product, strong odor at 19 feet
5	B-524	18-24	4,620	Strong solvent odor, potential liquid free product
11	B-1117	18-26	>9,999	Strong solvent odor, potential free product at 22 feet

The stratigraphic logs for the targeted locations noted in the preceding table are provided in Appendix B. It is noted that in SWMU 5, observations of elevated PID readings and potential presence of potential free product occur between approximately 15 and 24 feet bgs at the interface between a sand unit and an underlying lower permeability silt unit. These borehole locations and depth intervals were targeted for ISCO in SWMU 5.

The SWMU 5 SVE system consists of 61 shallow extraction wells and 11 deep extraction wells. All wells are constructed with 2-inch inside diameter PVC pipe with 10 to 15 foot long factory cut screens with 0.010-inch slots. In total, 56 of the shallow extraction wells and 4 of the deep extraction wells are paired to 30 single header lines. The remaining 5 shallow extraction wells and 7 deep extraction wells are tied individually to single header lines.

The paired shallow extraction wells are connected to 4-inch ID PVC header lines, and the paired deep extraction wells are connected to 6-inch ID PVC header lines. All single shallow and deep extraction wells are connected to 4-inch ID PVC header lines. All header lines enter the SVE component building and connect to either the shallow well manifold located on the second floor or the deep well manifold located on the first floor. The SVE component building is located in the southwestern portion of the main building at RMC. Each header line is equipped with a flow sensor, gate valve, and port for monitoring the attached wells. The SVE components include a 150-horsepower rotary lobe blower, two moisture separators (or knock out tanks) in series, one transfer pump, one 1,100-gallon condensate storage vessel, various gauges, and system controls (i.e., SCADA 3000).

The SWMU 11/AOC 2 SVE system consists of 23 shallow extraction wells and 5 deep extraction wells. Further, 12 extraction wells are located outdoors and 16 extraction wells are located inside the RMC plant building. All wells are constructed of 2-inch ID

PVC pipe with 10- to 15-foot long factory cut screens with 0.010-inch slots. Each indoor well is connected to a 4-inch ID PVC header line. All outdoor wells are connected to a single 8-inch ID PVC header line.

All indoor header lines run up the columns in the main building at RMC to supports that hang from the ceiling. All indoor header lines connect to an 8-inch ID PVC manifold located along an interior wall in the northeastern portion of the main building at RMC. The main 8-inch ID PVC line from the manifold runs above-grade and outdoors for approximately 40 feet through the AOC 2 area, where the outdoor extraction wells connect to the main line via a single header line. Two additional indoor extraction wells connect to the main line via a single 4-inch ID PVC header line inside the main building at RMC to the south of the AOC 2 area. At this point, the main line is a 10-inch ID PVC line. The 10-inch main line runs through the main building and into the SVE component building. Each indoor header line and the main outdoor header line are equipped with a flow sensor, gate valve, and port for monitoring the wells.

The SVE components include a 125-horsepower rotary lobe blower, one moisture separator, transfer pump, one 550-gallon condensate storage vessel, various gages, system controls (i.e., SCADA 3000), and vapor phase carbon absorption vessel (temporary). The 550-gallon condensate storage vessel, system controls, and vapor phase carbon adsorption vessel are used for both the SWMU 5 and SWMU 11/AOC 2 portions of the SVE system. As discussed in Section 5.5.2.1, recent groundwater monitoring results confirm the effectiveness of the ICMs implemented.

Figures 7.2 and 7.3 depict the as-built configurations for the SWMU 5 and SWMU 11/AOC 2 SVE system. Figure 7.4 depicts the as-built component room for the SWMU 5 and SWMU 11/AOC 2 SVE systems located in the southwest corner of the RMC Main Plant structure.

7.4 AOC 3B EXCAVATION INTERIM CORRECTIVE MEASURES

An ICM work plan was developed to address impacted soils in the AOC 3B drainage ditch. The ICM work plan called for excavation and off-Site disposal of impacted soils from AOC 3B. The work plan, entitled *Interim Corrective Measures Excavation Work Plan SWMUs 1 and 2 and AOC 3B, Radio Materials Corporation, Attica, Indiana* (CRA, February 28 2007), was submitted to U.S. EPA on February 28, 2007 and the plan was subsequently approved by U.S. EPA on March 19, 2007. The objective of the excavation in AOC 3B was to remove soils exhibiting lead concentrations in excess of U.S. EPA and IDEM direct contact criterion of 400 mg/kg.

Activities related to the excavation and off-Site disposal of lead-impacted soil commenced on February 20, 2008, and were completed on March 12, 2008. The excavation area began approximately 65 feet to the north of Summit Street and extended north approximately 350 linear feet within the drainage ditch. Soil was excavated to approximately 2 feet below the base of the drainage ditch. Approximately 351 tons of soil were transported to the HES landfill located in Roachdale, Indiana (IND 980503890) for disposal as non-hazardous industrial waste.

Following completion of excavation activities, eight 3-point composite confirmatory soil samples were collected from AOC 3B (one composite confirmatory soil sample was collected for every 50 linear feet of the drainage ditch from the top 6 inches of the base of the excavation). All soil samples were below the 400 mg/kg target cleanup objective for lead. Figure 7.5 depicts the limit of excavation and confirmatory soil sample results.

Based on these data, it is concluded that the excavation work achieved the project objective, and the excavated area was restored by regrading and reseeding.

7.5 CITY WATER TREATMENT SYSTEM

At the request of U.S. EPA, the document entitled *City Water Treatment System Interim Corrective Measures Work Plan* (CRA, September 25, 2008) was submitted to U.S. EPA (CRA, September 25, 2008). The purpose of the Work Plan was to describe the steps involved in the design of a system to treat water obtained from the two municipal wells located adjacent to the Wabash River for low levels of TCE already under discussion with the City of Attica.

The purpose and objective of the City Water Treatment System is to treat the water extracted from City Wells No. 1 and No. 2 for TCE to levels below the MCL and IDEM's RDCL until U.S. EPA determines that such treatment is no longer necessary. With the input and review of the City, a City Water Treatment System was designed that consisted of an air stripper and associated components and a building to house the air stripper and associated components. A permit to construct the City Water Treatment System from IDEM (Permit No. WS-10302) was obtained by the City of Attica.

The City water treatment system design included the following components:

- construction site layout and grading plan
- the air stripper treatment system and associated components

- discharge transfer tank
- plumbing components, piping, and associated discharge transfer pumps to connect to the City water distribution network
- system controller, associated controls, and electrical components
- heated, ventilated, and lighted steel-framed building to house the air stripper
- chloride and fluoride treatment relocated to the new treatment building downstream of the air stripper

Construction of the City Water Treatment System commenced in July 2009 and was substantially completed in December 2009. Start-up activities were conducted in December 2009 and January 2010. The treatment system was placed in service on January 29, 2010. The City of Attica collected a potable water sample on February 9, 2010, and no VOCs were detected in this water sample.

7.6 GROUNDWATER INTERIM CORRECTIVE MEASURES

The document entitled *Groundwater Interim Corrective Measures Work Plan* (CRA, November 24, 2009) was submitted to U.S. EPA. The groundwater ICM work plan focused on addressing the VOCS in groundwater that appear to be associated with SWMU 5, AOC 2 USTS, and SWMU 11 on the RMC property. The groundwater VOC impacts associated with SWMUs 5 and 11 and AOC 2 USTs potentially could migrate towards developed areas of the City of Attica located to the northwest of the RMC Site. The objective of the groundwater ICMs is to minimize the potential downgradient migration of VOCs beyond the Site and towards developed areas, while the final groundwater corrective action is evaluated as part of the RFI and CMS. The groundwater ICMs would work in conjunction with soil ICMs that already have been implemented on Site to reduce potential leaching of VOCs to groundwater.

Corrective measures technologies for groundwater were evaluated and selected in the Groundwater ICM Work Plan. The following summarizes the selected technologies for groundwater.

AREA SOUTH OF SUMMIT STREET

Due to the depth to groundwater and top of bedrock in the area south of Summit Street, the ICM for this portion of the overburden VOC plume will consist of the installation and operation of vertical extraction wells. The extracted groundwater will be treated and then discharged to Riley Lake under a National Pollutant Discharge Elimination System (NPDES) permit.

AREA NORTH OF SUMMIT STREET

Since the depths to groundwater and the top of bedrock in the area north of Summit Street are relatively shallow, the in-situ remedies are preferred because of their proven effectiveness and their generally lower operation and maintenance costs as compared to groundwater extraction, treatment, and discharge. Of the in-situ groundwater treatment options evaluated, air sparge/soil vapor extraction (AS/SVE) was the preferred option due to the proven effectiveness, ease of implementation, and lower long-term operation and maintenance costs as compared to groundwater extraction and treatment.

BEDROCK

An evaluation of remedial alternatives demonstrated that capture within the bedrock aquifer can be obtained by pumping one extraction well at a location south of Summit Street at a relatively low rate. Therefore, the ICM for the bedrock VOC plume will consist of the operation of one vertical extraction well. The extracted groundwater will be treated and then discharged to Riley Lake under an NPDES permit.

GROUNDWATER TREATMENT

Following a review of the available groundwater analytical data, Site requirements effectiveness, ease of operation, the relative capital cost and operational costs, air stripping was selected as the technology for treating extracted groundwater containing VOCs.

The Groundwater ICM Design Documents were submitted to U.S. EPA on February 26, 2010 and are currently under review by U.S EPA.

7.7 VAPOR INTRUSION MITIGATION INTERIM CORRECTIVE MEASURES

7.7.1 OVERVIEW

The document entitled *Vapor Intrusion Mitigation Interim Corrective Measures Work Plan* (CRA, December 2009), which focused on addressing the VOCs, primarily PCE and TCE, present in residences located to the west and northwest of the RMC Site potentially due

to vapor diffusion from the groundwater, originally was submitted to U.S. EPA in October 2009 and conditionally approved on November 23, 2009. The report entitled *Vapor Intrusion Mitigation Interim Measures Design Program* (CRA, March 25, 2010) was originally submitted to U.S. EPA on January 11, 2010 and subsequently conditionally approved on February 23, 2010.

The objective of the vapor mitigation ICM is to minimize the presence of VOCs above the 30-year exposure period indoor air action levels, potentially attributable to vapor intrusion, in residences located to the west and northwest of the RMC Site, while other corrective measures are being implemented at and around the RMC Site to, *inter alia*, improve the soil and groundwater quality and reduce the potential for future vapor intrusion.

The Vapor Intrusion Mitigation Interim Corrective Measures Work Plan specified the objectives of the interim measures and included a discussion of the technical approach, engineering approach, project schedule, and personnel. Appropriate risk-based indoor air, crawlspace, and subslab vapor action levels were developed in the Vapor Intrusion Mitigation Interim Corrective Measures Work Plan using the current methods and approaches published by U.S. EPA. Action levels were developed for PCE, TCE, 1,1-DCE, cDCE, tDCE, and vinyl chloride. The indoor air and crawlspace action levels were developed using the lowest values of the potential cancer and non-cancer risk-based objectives for PCE, TCE, and vinyl chloride. For the non-carcinogens (1,1-DCE, cDCE, and tDCE), the indoor air action levels were set at the indoor air reference concentrations. The Vapor Intrusion Mitigation Interim Measures Design Program (hereinafter "Design Program") provided the basis for the design procedures, and design approach for vapor mitigation measures to be implemented.

In general, the vapor intrusion ICM program include protocols for conducting sampling of residences, evaluation of the analytical data, and response actions to be taken based on the analytical results including the process for determining whether vapor mitigation measures are necessary at a particular residence and, if vapor mitigation measures are necessary, the type of vapor mitigation measures to be installed.

The analytical results for the indoor air, crawlspace air, and subslab vapor samples collected for each residence will be compared to the Site-specific action levels that were approved by U.S. EPA and IDEM. Residences where the analytical data are below the Site-specific action levels will not require vapor mitigation measures. The action levels are chemical-specific and are used to determine whether mitigation measures should be implemented to address the potential for vapor intrusion. At residences where vapor mitigation measures are determined to be necessary, the appropriate vapor mitigation

measures are to be implemented based on the analytical data for that residence, and a separate design for each residence will be prepared.

7.7.2 RESIDENCES WITH ANALYTICAL DATA

The analytical data compiled during the vapor intrusion investigation were compared to the most conservative (30-year exposure duration) Site-specific, risk-based action levels summarized in Table 6.1. Based on the comparison of the analytical data with the action levels, four categories of residences were developed and the actions to be undertaken for each category are discussed below.

Category 1

Category 1 locations will be offered active vapor mitigation systems. It is not necessary to conduct further sampling of these residences prior to the installation of the vapor mitigation systems. In general, active vapor mitigation systems will include subslab depressurization (SSD) or submembrane depressurization (SMD) systems, as appropriate based on the current configuration of the residence. In addition, potential vapor diffusion routes will be sealed or restricted to protect to a greater extent against potential vapor intrusion. Such routes include cracks or joints in basement floors and/or foundation walls, basement sumps, utility penetrations through foundation walls or floors, and basement floor drains. Sealing or restricting such routes is referred to as a passive control measure.

Category 2

Category 2 residences are those residences where the available analytical data indicate that the existing structure and/or the subsoil beneath the structure are attenuating potential vapors and providing adequate protection. However, potential vapor diffusion routes will nonetheless be addressed through passive control measures. It will not be necessary to conduct further indoor air sampling prior to the implementation of these passive control measures at the Category 2 residences.

Category 3

The available analytical data generated to date has not demonstrated that the vapor intrusion pathway is complete at Category 3 residences due to both the lack of vapors at concentrations above risk-based action levels in the crawlspace, subslab, and/or basement samples; and the lack of detections above risk-based action levels inside the

residence. Therefore, no immediate mitigation activities are proposed for the Category 3 residences. However, many of these residences have been sampled only once. Therefore, a second set of indoor air samples and crawlspace or subslab/basement air samples, as appropriate, will be collected from these residences to verify that indoor air and, as applicable, subslab vapor concentrations, are still below the risk-based action levels. The residence will be re-categorized, as necessary, based on the results of the sampling rounds.

Category 4

The residences in Category 4 have previously been fitted with either SSD or SMD vapor mitigation systems during the Phase IIB RFI. For residences in Category 4, the existing vapor mitigation systems will continue to be operated and verification samples will be collected.

7.7.3 RESIDENCES WITHOUT ANALYTICAL DATA

Residences within the area that have not been sampled to date will be sampled and will be categorized based on the analytical data. If the initial data indicates the residence falls into Category 1 or 2, then the measures previously described will be taken. If the initial indoor air data indicate that the residence falls into Category 3, then one additional sampling event will be performed to confirm this result. At least one of the sampling events will be performed during one of the "cold season" months as described in the Work Plan. If the indoor air results are below action levels during two consecutive sampling events, at least one of which was performed during the cold season, no mitigation would be required.

7.7.4 <u>VAPOR MITIGATION SYSTEM DESIGN</u>

The residences in the area were constructed in the period from the late-1800s through approximately the 1960s. As a result, the construction configurations and materials vary widely from residence to residence. Given this, the vapor mitigation approach must account for the variety of construction configurations and materials on a residence-by-residence basis. In general, there are residences on crawlspaces, residences with full or partial basements, and residences with slab-on-grade construction. Based on the information currently available, the predominant construction configurations are residences constructed on full or partial basements and/or crawlspaces. A different

design is required for each residence because the construction of the residences in the area varies so much.

In general, a process was developed to account for the varying residential construction configurations in the vapor mitigation system and passive control measures designs should the residential sampling warrant mitigation system and/or passive control measure installation.

This general design/installation process consists of four steps as summarized below:

Step 1 - Residential Inspection

Step 2 - System Design

Step 3 – System Installation

Step 4 - Pre-Final and Final System Inspection

The design for each residence will vary to account for the variety of construction configurations and building materials and conditions. Therefore, it is not possible to prepare one or even a few generic mitigation systems designs. Rather, a separate design will be required for each residence determined to need a vapor mitigation system.

The design for each vapor mitigation system and passive control measure will follow the general principals and practices of ASTM E 2121 and U.S. EPA October 1993 for the mitigation of radon in residential structures. Although specifically directed at radon gas, which is a naturally occurring odorless and colorless gas, nearly all of the practices detailed in those documents are applicable to the mitigation of VOC vapors that are potentially present in subsurface soil beneath residences. After installing the vapor mitigation measures, at least two additional indoor air samples will be collected at each residence to confirm that the measures are working.

As of the date of this report, the Vapor Intrusion ICM program is in the process of being implemented.

7.8 SWMU 12 EXCAVATION INTERIM CORRECTIVE MEASURES

Excavation and off-Site disposal was identified as an ICM that would be applicable to SWMU 12 where approximately 130 pounds of dynamite was reportedly buried in 1986. The excavation of the buried dynamite in SWMU 12 was conducted in accordance with

the Interim Corrective Measures Work Plan (CRA 2006) and approved by U.S. EPA on July 25, 2006.

The objective of the excavation in SWMU 12 was to locate, remove, and dispose of any dynamite or dynamite residuals.

The work completed to remove and dispose of the buried dynamite is summarized below:

- procurement of a qualified ordnance/explosives handling contractor for dynamite removal services
- development of a Health and Safety Plan (HASP) for dynamite removal
- excavation and removal of the dynamite from the trench
- repackaging of the dynamite as required
- transporting and disposing of dynamite at an approved waste disposal facility
- backfilling the area to appropriate grade using local fill

Ordnance & Explosives Remediation, Inc. (OER) of Cohasset, Massachusetts, was retained to perform the excavation. SWMU 12 is located in an area vegetated by shrubs and small trees adjacent to Building 6. On January 23, 2008, OER removed the brush and small trees in this area. The cleared vegetation was moved to an area adjacent to SWMU 12. On January 24, 2008, OER personnel began to excavate the overburden in SWMU 12 in an attempt to locate the dynamite. OER successfully located the trench and exposed the dynamite. The OER team recovered approximately 80 pounds of dynamite in the form of half-pound sticks. The nitroglycerin present in dynamite can also leach from the dynamite and form crystals on the surface of the dynamite that are extremely shock sensitive. The OER team did not discover any crystals on the exposed dynamite and, based on visual confirmation, determined that it would be safe to remove the material from the trench.

All of the recovered dynamite was soaked in hydraulic fluid to further desensitize it for transport. The dynamite was separated into three equally sized groups and packed into three 55-gallon drums. Vermiculite was added to the drums as the dynamite was being placed into the drums as a cushioning media. Once the drums were full, OER placed a lid on each drum and sealed them. OER then affixed the proper Department of Transportation (DOT) shipping labels on each drum. After placing the dynamite into the drums, OER expanded the excavation on both ends, both sides, and to depth until clean native soil was exposed to verify that there was no additional dynamite or residuals in the excavation. OER did not discover any indication of additional

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dynamite, so the trench was backfilled with the soil that had been removed during the excavation.

The three drums were picked up by Clean Harbors Environmental Services (CHES) on February 1, 2008, and transported to their Colfax, Louisiana facility. The excavated dynamite from SWMU 12 was identified as a characteristically hazardous waste (D003) due to its reactivity. A CHES waste profile sheet was completed and approved by CHES on January 24, 2008. The waste was disposed in the CHES incinerator in Colfax, Louisiana (U.S. EPA I.D. No. LAD 981055791) in accordance with all applicable local, state, and federal regulations. The CHES Colfax facility submitted a Certification of Disposal to OER.

8.0 CHEMICAL FATE AND TRANSPORT

A detailed discussion of the fate and transport of the chemicals of concern for this Site is provided in this section. In general, unless stated otherwise, the chemical/physical constants (such as Henry's Law octonol-carbon coefficients, etc.) cited for compounds are obtained from *Groundwater Chemicals Desk Reference* (Third Edition, Lewis Press, 1996) and the ChemFinder.com database of chemical information and data (www.chemfinder.com).

8.1 GENERAL

Contaminant mobility, a factor in contaminant migration, depends upon the physical and chemical properties of both the contaminants and the environmental media. Properties which affect contaminant mobility include, but are not limited to, aqueous solubility, liquid density, vapor pressure, and chemical affinity. The partitioning of chemicals between media is controlled by a variety of factors such as adsorption, absorption, volatilization, solubility, and chemical affinity.

The octonol-carbon coefficient (K_{oc}) indicates the tendency of a compound to partition between particles containing organic carbon and water. The sorption coefficient is inversely related to aqueous solubility such that a compound that binds strongly to aquifer carbon will have a low solubility. Compounds that adsorb onto organic materials are retarded in their movement in groundwater so that the compound migrates at a linear velocity that is less than the bulk groundwater flow velocity. Under continuing release conditions, the chemicals may migrate both horizontally and vertically, expanding the area of contaminated soils as the adsorptive capacity of the soil in the immediate vicinity of the release is exceeded.

Chemicals that have migrated to the groundwater may dissolve in the groundwater to a concentration approaching the aqueous solubility limit of the chemicals. The dissolved chemicals may migrate with the groundwater and adsorb onto the aquifer matrix. Under conditions of continued release to groundwater from the soils in the vadose zone, the extent of groundwater contamination may expand as the adsorptive capacity of the aquifer matrix near the release is exhausted. Aqueous solubility is an important factor in estimating chemical fate and transport in groundwater and surface water. Compounds with high aqueous solubilities have a tendency to desorb from soils and sediment, are less likely to volatilize from water, and are susceptible to biodegradation. Compounds with high aqueous solubilities will generally enter the groundwater more readily than relatively less soluble compounds. Temperature, pH, and the

presence/absence of other dissolved constituents affect the aqueous solubility of a chemical.

When the solubility limit of a chemical in groundwater is exceeded, a separate NAPL may be present. The migration of NAPL is governed by the volume of the release, the interfacial tension of the NAPL (the mutual attraction between like molecules on the surface to molecules in the bulk liquid), capillary pressure, permeability of the geologic media, and the density of the chemical relative to water. Specific density is commonly expressed as a unitless value that represents the density of the chemical at 20°C relative to the density of water at 4°C. Since the density of water at 4°C is 1.000 grams per milliliter (g/mL), hydrophobic (low aqueous solubility) compounds with a specific density greater than 1.0 will generally tend to sink through groundwater while those compounds with a density of less than 1.0 will generally tend to remain near the top of the saturated zone.

If the density of a chemical is greater than 1.0, it may tend to migrate vertically downward under the influence of gravity, until a low-permeability geologic unit is encountered. Upon encountering a low-permeability layer, the chemical may tend to migrate horizontally in the direction of the surficial slope of the low-permeability geologic unit (also under the influence of gravity). Hydrophobic compounds with a specific density less than 1.0 will generally tend to remain near the top of the saturated zone and may migrate horizontally in the direction of groundwater flow (under the influence of the hydraulic gradient). The extent of NAPL migration above or below the water table may expand as the sorption capacity of the geologic medium is reached or as a result of an ongoing release.

8.2 <u>POTENTIAL ROUTES OF MIGRATION</u>

8.2.1 <u>MIGRATION IN SURFACE WATER RUNOFF</u>

Surface water runoff from the main building and surrounding paved areas north and east of the main building collects in a series of catch basins and into a subsurface storm sewer. The storm sewer directs the storm water to the southeastern corner of the Site where it discharges into a surface ditch. This ditch flows south into Ravine Park and into a generally east to west trending intermittent stream that directs flow towards the Wabash River. Paved and unpaved areas west of the main building and south of Summit Street generally drain by overland flow either to the west or south, based on the local topography. Due to lack of contact with chemicals at or near the surface,

constituents are not likely to be transported by surface water in the southern portion of the Site.

To the north of Summit Street, topography slopes generally towards the north and west and runoff flows from this area in drainageways and overland flow. AOC 3B is a narrow ditch along the eastern property boundary that flows north from Summit Street towards a low area occupied by the former gravel pit where, presumably, any runoff infiltrates into the subsurface. The Phase IIB RFI data indicate that there has been transport of lead towards the north in the drainage ditch. There also is surface drainage in ditches located along Airport Road that direct runoff towards the north and then northwest into an agricultural field. However, there is no known contact between runoff entering this ditch and any chemicals.

The groundwater emerging from the artesian well and seeps located in an area of steep slopes northwest of the Riley residence flows overland and into a generally northwest flowing drainageway. This flow has been tracked to an area located south of the intersection of East Taylor and Kentucky Streets, where it enters a culvert and a subsurface storm sewer, which directs water towards the north along the east side of Kentucky Street. The subsurface storm sewer discharges to a ditch north of the intersection of Kentucky and North Streets and flows into a northerly trending subsurface tile drain that discharges to a drainage ditch located to the north in an agricultural field. The ditch in turn discharges to a culvert where flow is directed generally westwards, presumably to the Wabash River or lowlands located adjacent to the River. Although low levels of cDCE and vinyl chloride were detected in the groundwater discharging from the artesian well, soil sampling indicated that these compounds were not transported far from the point of discharge.

8.2.2 MIGRATION IN GROUNDWATER

In general, groundwater in the overburden and bedrock units flows towards the northwest. Dissolved analytes present in the groundwater would be transported towards the northwest by advection.

8.2.3 <u>MIGRATION IN SOIL VAPOR</u>

VOCs present in soil and groundwater can partition into the vapor phase and become entrapped in the interstices present in vadose zone soil. From vadose zone soil, vapor phase migration of chemicals, particularly VOCs, into occupied buildings from underlying groundwater and/or soil is a process known as vapor intrusion.

8.3 PHYSICAL/CHEMICAL ATTENUATION MECHANISMS

The fate and transport of Site-related chemicals in environmental media is affected by a number of physical and chemical attenuation mechanisms that are summarized below.

8.3.1 ADSORPTION

Chemicals released may be adsorbed by the particles that comprise the soil matrix. Adsorption may occur both above and below the water table. The extent to which adsorption occurs is dependent upon the composition of the soil matrix (the percentage of organic carbon in the soil), geochemistry of the subsurface environment, and the soil-water partitioning coefficient for the specific compound. In general, the organic carbon content of a clayey or loamy soil is relatively high while, by contrast, the organic carbon content of a clean sandy soil is relatively low. The organic carbon content of soil can be measured through analysis. Soil samples were collected from the screened intervals of a number of groundwater monitoring wells and analyzed for TOC. The amount of TOC present in the samples submitted ranged from 0.7 to 1.6 percent. A summary of TOC analyses obtained during the Phase IIB RFI is provided in Table 3.3.

The relative tendency of a compound to remain in the dissolved state rather than be adsorbed onto a soil organic carbon is related to the n-octanol-water (K_{ow}) partitioning coefficient for that compound (Fetter 1988, p. 401). The Koc for a compound may be estimated from its Kow or water solubility. A low Koc value is indicative of low adsorption to soil organic carbon. The surfaces of particles which form the aquifer matrix have an electrical charge. Charged ions present in groundwater may be adsorbed by these charged electrical soil surfaces through weak attractive forces known as van der Waals' forces. In addition, chemical bonding between the surface and charged ions may result in stronger adsorption. The adsorptive capacity of soils and sediments is a function of mineralogy, particle size, ambient temperature, soil moisture, surface tension, pH, reduction/oxidation potential (Eh) and activity of the dissolved ion (Fetter 1988, 345-346.).

8.3.2 DILUTION

Dissolved compounds in groundwater will be transported in a direction parallel to groundwater flow by a process known as advection. The rate of advective transport is related to the average linear groundwater velocity (Freeze & Cherry 1979, p. 389). Dilution of the dissolved constituents in groundwater will occur as a result of mechanical mixing during advective transport and molecular diffusion. Molecular diffusion occurs as a result of concentration gradients that occur in the subsurface environment.

8.3.3 <u>BIODEGRADATION</u>

Biodegradation is the process by which microorganisms degrade chemical compounds under either aerobic or anaerobic conditions. The structure of the compound will determine at what rate the compound will degrade in the presence of microorganisms. Generally, biodegradation occurs in the presence of an electron acceptor. Electron acceptors include oxygen under aerobic conditions and nitrate, sulfate, or carbon dioxide under anaerobic conditions (Davis & Olsen 1990).

8.3.4 REDUCTION/OXIDATION

Chemical reactions which involve the transfer of an electron from one ion to another are known as reduction/oxidation (redox) reactions. The stability of certain ionic species is dependent on the pH and the Eh of aqueous solutions. The pH and Eh are interdependent in groundwater systems.

8.3.5 PRECIPITATION/DISSOLUTION

Metallic species are present in minerals that form the aquifer matrix or may be introduced as a result of a chemical release. The solubility of metallic species is dependent on hydrogeologic conditions within the groundwater system. Metallic species in groundwater generally occur as dissolved ions or ionic complexes. Metallic species may precipitate from solution or dissolve into solution on the basis of a change in the pH/Eh conditions in groundwater. For example, soluble forms of iron and manganese are stable in environments with low dissolved oxygen content (i.e. low Eh).

8.3.6 VOLATILIZATION

The vapor pressure of a compound is used to determine a semi-quantitative rate at which volatilization will occur from soil and/or water to the atmosphere and/or soil gas. Vapor pressure is used to calculate the air/water partition coefficient known as the Henry's law constant. Henry's law constants provide an indication of the relative volatility of a compound. Henry's law constants are greatest for compounds with low aqueous solubilities and high vapor pressures, such as VOCs.

8.4 ENVIRONMENTAL FATE

8.4.1 GENERAL

The environmental fate of Site-related organic metals and inorganic analytes detected in a significant number of environmental media samples are discussed in this section.

The probable behavior and environmental fate of all constituents can be assessed to some extent by evaluating the physical and chemical properties of the constituent. The mobility and persistence of these constituents are of primary importance in this evaluation. Mobility is the potential for a chemical to migrate away from the source. Persistence is a measure of how long a chemical will remain in the environment. Factors that affect the mobility and persistence of Site-related constituents include, but are not limited to:

- 1. physical properties
- chemical properties
- 3. moisture levels
- 4. microbial environment
- 5. water chemistry
- 6. pH

Water solubility is the maximum concentration of a compound that can dissolve in water at a specific temperature and pH. Compounds with high solubilities generally exhibit increased mobility. Vapor pressure and Henry's law constants provide an indication of the volatility of a compound. High vapor pressures and Henry's law constants indicate a greater tendency for a compound to volatilize. Compounds with high Henry's law constants and high vapor pressures generally do not persist in surface water or surface soil environments. K_{oc} indicates the tendency of a compound to be

adsorbed to organic matter in soils or sediments. High K_{oc} values generally indicate lower mobility.

The chemical fate and transport of the significant parameters in groundwater at the Site are discussed in the following subsections. The parameters have been grouped into the following categories to facilitate ease of discussion:

1. Volatile Organic Compounds

Tetrachloroethene

Trichloroethene

1,2-dichloroethene (cis and trans isomers)

Vinyl chloride

2. <u>Metals</u>

Aluminum Iron Sodium
Antimony Lead Thallium

Arsenic Magnesium
Barium Manganese

Calcium Nickel

Chromium Potassium

8.4.2 VOLATILE ORGANIC COMPOUNDS

The primary VOCs detected consist of aliphatic alkyl halides. The aliphatic alkyl halides include chlorinated alkenes, which are generally colorless liquids with a sweet odor used primarily in various solvent applications. These chemicals commonly are used as solvents, degreasers, and dry cleaning agents.

The aliphatic alkyl halides have relatively high vapor pressures ranging from 20 millimeters of mercury (mm Hg) for PCE to 2,660 mm Hg for vinyl chloride. Henry's law constants are also relatively high with values ranging from 0.00408 atm-m³/mole for cDCE to 0.027 atm-m³/mole for vinyl chloride. These high values for the vapor pressure and Henry's Law constants indicate that the primary transport mechanism for the aliphatic alkyl halides is volatilization to the atmosphere or to the soil gas in the vadose zone. In the atmosphere, these compounds will exist primarily in the vapor phase and

will undergo photochemical reactions with hydroxyl radicals with half-lives ranging from 1.5 days for vinyl chloride to 50 years for carbon tetrachloride. Aliphatic alkyl halides are water-soluble to varying degrees and are scavenged by rainfall.

The water solubilities of aliphatic alkyl halides range from practically insoluble (150 mg/L at 25°C for PCE) to slightly soluble (6,300 mg/L at 25°C for DCE). Aliphatic alkyl halides have generally low K_{oc} values resulting in a relatively weak adsorption to soils and a high potential for leaching to groundwater. Sediment adsorption and aquatic bioconcentration are generally insignificant for the aliphatic alkyl halides. Aliphatic alkyl halides may potentially be subjected to biodegradation under suitable conditions in soil, surface water, and groundwater. The relative rate of biodegradation ranges from extremely slow to slow and may occur under anaerobic conditions for some compounds.

The primary fate mechanisms of the volatile aliphatic alkyl halides are volatilization from surface soil and slow biodegradation in subsurface soil and groundwater.

8.4.3 METALS

A number of metals were detected in the groundwater. The following provides a general discussion of the environmental fate and transport of metals in environmental media. However, metals detected in groundwater at concentrations exceeding the MCLs were generally attributable to background conditions or where restricted to areas on Site near SWMU 5. In general, metals will persist in the environment since volatilization and biodegradation are not significant fate mechanisms for metals. Important transport and fate mechanisms for metals include adsorption, dilution, redox reactions, and precipitation/dissolution. Other factors affecting the mobility of metals from soil/sediment to groundwater and surface water include bulk density of the soil, surface area of the soil particles, particle-size distribution, ion-exchange capacity, organic matter present, type and amount of metallic oxides present, and type and amount of clay minerals present.

Several of the metals detected at the Site are commonly occurring and may be expected to be present in minerals that comprise soil. These include aluminum, barium, calcium, chromium, copper, iron, magnesium, manganese, nickel, potassium, sodium, and zinc. Depending on the specific mineralogy of the Site soils, beryllium, cadmium, lead, and vanadium are also present. Other metals that may be present at lesser concentrations include arsenic, antimony, cobalt, mercury, silver, selenium, and thallium.

Transport of the metals to surface water and groundwater is dependent on the metals' valence state and the chemistry of the Site soil and aqueous media.

9.0 HUMAN HEALTH RISK ASSESSMENT

9.1 <u>DESCRIPTION AND PURPOSE</u>

The Phase IIB RFI was conducted to delineate the vertical and horizontal extent of contamination within and potentially migrating from SWMUs ands AOCs at the Site. For purposes of the Human Health Risk Assessment (HHRA), the SWMUs and AOCs were combined to form four potential exposure areas (see Figure 9.1):

- i) Area 1 includes the area north of the gravel pit, extending east of Airport Road
 - to the Site boundary
 - incorporates SWMU 1, SWMU 2, SWMU 3, and SWMU 12
- ii) Area 2 includes the area north of Summit Street, south of the former underground storage tank (UST) area
 - extending east of Airport Road to the Site boundary
 - incorporates SWMU 7 and AOC 3B
- iii) Area 3 with the exception of the area occupied by Riley Lake, Area 3 includes
 - the area south of Summit Street, north of Ravine Park, extending west of 6th Avenue to the Site boundary
 - incorporates SWMU 4, SWMU 5, SWMU 6, SWMU 11, and AOC 2
- iv) Riley Lake incorporates surface water, sediment and banks of Riley Lake

The HHRA evaluates potential human exposure in these four exposure areas, Riley Land, and three off-Site exposure areas (see Figure 9.1), including:

- i) Off-Site Northwest Residential Area the residential area located northwest of the Site
- ii) Off-Site Ravine Park located south of Area 3
 - incorporates AOC 3A
- iii) Off-Site Elmdale Subdivision the residential area located directly east of Area 3

The purpose of the HHRA is to evaluate the potential human health risks posed by Site-related chemicals under current and potential future Site conditions, assuming no additional remedial actions are taken at the Site. The specific goals of the risk assessment are to:

- Identify and provide analysis of baseline risks (defined as risks that might exist if no further remediation were conducted at the Site) and identify what areas of the Site may require further remedial action
- Provide a basis for determining the level of chemicals that can remain on the Site and still not adversely impact public health and the environment
- Provide a basis for comparing potential health and environmental impacts of various remedial alternatives

The HHRA was conducted in accordance with the applicable U.S. EPA guidance. The HHRA is provided in Appendix S.

9.2 CONCEPTUAL SITE MODEL

In order to evaluate the impacted media at the Site, the potential pathways by which individuals potentially may contact these media must be determined. The combination of factors (chemical source, media of concern, release mechanisms, and potential receptors) that could produce a complete exposure pathway and lead to human exposure to chemicals at the Site are assessed in what is defined as a Conceptual Site Model (CSM).

Potentially impacted media at the Site include surface soil, subsurface soil, soil vapor, groundwater, air, surface water, and sediment. For the purpose of this work, surface soil will be considered as 0 to 0.5 feet bgs, and subsurface soil will be considered 0.5 to 10 feet bgs. Air also is considered a potentially impacted medium based on the soil, soil gas, groundwater, and surface water impacts, and the subsequent potential for vapor release into ambient air and indoor air. Ingestion, dermal contact, and inhalation are the potential routes of exposure. All of these factors are evaluated in the CSM.

Exposure scenarios can represent the current and/or future condition. The current scenario means the current land use may result in a potential exposure pathway to a receptor. The future condition represents a potential exposure that is not presently occurring based on current land use but potentially could occur in the future if the land use changes. For example, an industrial/commercial worker could be exposed to contaminated media on a site that is in active industrial use, and this would be considered a current exposure scenario. However, in the future, the property could be developed for residential use and the potential for residential exposure to contaminated media on a site in current industrial use would be considered a future exposure scenario.

As discussed in Section 7.0, interim corrective measures have been implemented at the Site in Area 1 (SWMU 1 and 2), Area 2 (AOC 3B), and Area 3 (SWMU 5 and SWMU 11/AOC 2). Although extensive soil analytical data was obtained during the Phase IIB RFI, particularly in SWMUs 1 and 2, SWMU 5, and SWMU 11/AOC 2B, these soil data were obtained prior to the implementation of the soil ICMs that have been implemented in these areas. The ongoing soil ICMs implemented in SWMUs 1 and 2, SWMU 5, and SWMU 11/AOC 2B are expected to have resulted in a significant reduction in the concentrations of VOCs present in the soil in these areas and will continue to reduce concentrations such that the soil VOC analytical data obtained prior to the implementation of these ICMs is not representative of the current soil conditions in these locations.

At the time this HHRA was prepared, confirmational soil sampling to determine the VOC concentrations following implementation of the ICMs has not been conducted so the current VOC concentrations in the soil in these areas is unknown. As a result, using the pre-ICM soil analytical data from SWMUs 1 and 2, SWMU 5, and SWMU 11/AOC 2B obtained during the Phase IIB RFI would result in an inaccurate estimate of the actual risk. Using the pre-ICM concentrations in the baseline HHRA also would serve no purpose since the purpose of the baseline HHRA is to determine if corrective measures are warranted and, for these areas of the Site, ICMs have already been implemented. Therefore, although the VOC impacts to soil noted during the Phase IIB RFI are discussed herein, the HHRA does not determine risk based on potential exposure to soil in SWMUs 1 and 2, SWMU 5, and SWMU 11/AOC 2B. Instead, the HHRA will be updated once the confirmatory soil samples are obtained in these areas once the soil ICMs in these areas have been completed. Confirmatory data have been obtained in AOC 3B following implementation of the soil ICM, and these confirmatory soil data have been used in this HHRA.

Further details regarding the impacted media and human receptors in each exposure area are discussed in the following subsections.

<u>Area 1</u>

Area 1 soil and groundwater contains metals, SVOCs, and VOCs. A trespasser or occasional visitor is the only current potential receptor under the current conditions. Potential future human receptors include industrial/commercial workers, construction workers, and residents. Soil ICMs have been implemented in Area 1, and the vapor intrusion measures discussed for the Northwest Residential Area below could be implemented in Area 1 if future development were to occur. Therefore exposure to

VOCs in soil by direct contact volatilization into indoor air has been mitigated, and these potential exposure pathways have not been evaluated quantitatively.

Area 2

Area 2 soil contains metals and groundwater impacted by metals, SVOCs, and VOCs. Potential human receptors are the same as for Area 1.

Area 3

Area 3 soil and groundwater contains metals, SVOCs, and VOCs. Potential human receptors are the same as for Areas 1 and 2.

Riley Land

Riley Land soil contains metals and groundwater contains metals, SVOCs, and VOCs. Potential human receptors include residents and future construction workers. Soil gas in Riley Land was found to be impacted by VOCs. However, there is only one residence on Riley Land and it is located well away from the areas where soil gas was investigated. However, the vapor intrusion measures discussed for the Northwest Residential Area below could be implemented on Riley Land if future development were to occur.

Riley Lake

Riley Lake sediment and surface water contains metals. The potential human receptors include industrial/commercial workers and trespassers.

Northwest Residential Area

Northwest Residential Area contains groundwater impacted by VOCs. The residences in the Northwest Residential Area are hooked up to the City of Attica's water distribution network. The potential human receptors are residents and construction workers. Soil vapor, subslab soil vapor, crawlspace, and indoor air sampling has been completed in the Northwest Residential Area. Analytical data from these areas have been compared to Site-specific, risk-based action levels, for indoor air, crawlspace, and subslab vapor, the development of which is presented in the *Vapor Intrusion Mitigation Interim Corrective Measures Work Plan* (CRA, December 2009). Action levels were developed for tetrachloroethene, trichloroethene, 1,1-dichloroethene, cis-1,2-dichloroethene, trans-1,2-dichloroethene, and vinyl chloride and were approved

by U.S. EPA and IDEM. The actions levels were developed using the lowest values of the potential cancer and non-cancer health effects. Those residences with air samples containing concentrations above the actions levels, vapor mitigation will be required, as indicated in *Vapor Intrusion Mitigation Interim Measures Design Program*, dated January 11, 2010 (CRA, 2010). Vapor mitigation measures may include both active vapor mitigation systems and passive control measures. As soil vapor and indoor air have been adequately addressed through CRA's vapor mitigation program and prior submittals, these media will not be evaluated further in the HHRA.

Elmdale Subdivision

Elmdale Subdivision groundwater contains metals and VOCs. The potential human receptors to groundwater in Elmdale Subdivision are residents and construction workers. The Elmdale subdivision reportedly was annexed in January 1999 and incorporated into the City of Attica municipal potable water distribution system. Reportedly, Elmdale Subdivision residents were offered connections to the City water distribution system. However, wells were still present and visible on a number of parcels in the Elmdale Subdivision during the Phase IIB RFI.

Ravine Park

The potential human receptors include recreational visitors to Ravine Park.

9.3 SELECTION OF CHEMICALS OF POTENTIAL CONCERN (COPCs)

Compounds that were detected within one medium were also screened in all other media collected for a particular exposure area. Compounds that were not detected within one medium were screened for their presence within all other media collected for a particular exposure area. For compounds that were detected, the greater of the maximum detected concentration or one-half the maximum detection limit was selected to compare to the screening criteria. All chemicals having a maximum detected concentration or one-half maximum detection limit greater than the screening criteria were identified as chemicals of potential concern (COPCs). All compounds that were analyzed but do not have an applicable screening levels were also identified as COPCs. Inorganic elements identified as essential nutrients were not considered to be COPCs.

To identify COPCs, comparisons to U.S. EPA Regional Screening Levels (RSLs), as presented in "Regional Screening Levels for Chemical Contaminants at Superfund Sites", were

performed for each chemical reported in each medium with the exception of groundwater bedrock and overburden were screened against U.S.EPA MCLs. Where no MCL was available, the tap water RSLs were used for screening. All essential nutrients, including calcium, magnesium, potassium, and sodium, were disregarded from further evaluation.

9.4 SUMMARY OF FINDINGS

The following table summarizes the comparison of RME hazard indices (HI) and cumulative cancer risks to U.S. EPA's acceptable limits of 1.0 or risk of 10⁻⁴ effectively for determining when corrective measures are warranted under RCRA corrective action (U.S. EPA 1991).

Area	Primary Media	Receptor	Exceeds HI	Exceeds Risk
Current/Futu	re Exposures		<u></u>	l
Area 1	Ambient Air	Trespasser (Current/Future)	No	No
Riley Land	Surface Soil	Resident (Current)	Yes	No
Riley Lake	Sediment/Surface Water	Trespasser (Current/Future)	No	No
Ravine Park	Surface Soil	Recreational User (Current/Future)	ND	No
Potential Fut	ure Exposures		_1	I
Area 1	Ambient Air	Industrial/Commercial Worker (Future)	No	No
Area 1	Ambient Air	Resident (Future)	No	No
Area 1	Overburden Groundwater	Construction Worker (Future)	No	No
Area 2	Overburden Groundwater	Construction Worker (Future)	No	No
Riley Land	Soil	Resident (Future)	Yes	No
Riley Land	Soil/Overburden Groundwater	Construction Worker (Future)	No	No
Riley Lake	Sediment/Surface Water	Industrial/Commercial Worker (Future)	No	No
Northwest Residential Area	Overburden Groundwater	Construction Worker (Future)	No	No

Notes

ND = Not Determined due to lack of non-carcinogenic toxicity data.

The HI greater than 1.0 for Riley Land surface soil for the current and future resident is driven by several metals including aluminum, arsenic, cobalt, iron, manganese, thallium, and vanadium. However, with the exception of iron, the maximum concentrations of these metals on Riley Land are below the background concentrations determined in Section 4.2. The maximum iron concentration was above the background iron concentration calculated with outliers removed but was below the background iron concentrations with outliers included. Nevertheless, the HI above 1.0 for the surface soil exposure scenarios on Riley Land are the result of background concentrations of metals and not the result of Site-related impacts.

Groundwater on Site and in areas located to the west and northwest of the Site contains concentrations of VOCs, primarily PCE, TCE, cDCE, and vinyl chloride, at concentrations above the MCLs or tap water RSLs for those VOCs that lack MCLs. However, it is noted that residents in the Northwest Residential Area are connected to the City water supply and there is no current groundwater usage on-Site or on Riley Land. Therefore, there is no current groundwater exposure to a resident or industrial/commercial worker through ingestion, inhalation, or direct contact through the use of the groundwater. Exposure to groundwater through direct contact, inhalation, and ingestion pathways would be of concern to the extent potable water wells are installed and used in the areas where VOC concentrations are above the MCLs or tap water RSLs under a hypothetical future use scenario.

9.5 SITE-SPECIFIC FACTORS

The following Site-specific factors that contribute to uncertainties in estimating risk are summarized below.

- (i) The HHRA was developed, consistent with U.S. EPA guidance, using potential exposure scenarios involving current and future land use. It is noted that the only current and future exposure with the increased cancer risks and hazards determined in this HHRA was associated with Riley Land surface soil/soil exposure.
- (ii) ICMs have been implemented on Site in AOC 3B, SWMUs 1 and 2, SWMU 5, and SWMU 11/AOC 2 to address soil contamination. These ongoing ICMs have likely reduced the concentrations of VOCs in soil below the concentrations used to develop this HHRA. Further, the groundwater analytical data demonstrate that these ICMs have substantially reduced the concentrations of VOCs in on-Site groundwater. Due to the lack of post-ICM confirmatory soil data, the HHRA does not quantitatively determine risk based on potential exposure to soil in SWMUs 1 and 2, SWMU 5, and SWMU 11/AOC 2B. Instead, the HHRA will be updated once the confirmatory soil samples are obtained in these areas once the ongoing soil ICMs in these areas have been completed.
- (iii) Confirmatory data have been obtained in AOC 3B following implementation of the soil ICM and these confirmatory soil data have been used in this HHRA.
- (iv) Background arsenic levels in soil are substantially above IDEM default closure levels that are based on 1.0E-05 increased cancer risk. Therefore, background arsenic will contribute to the cancer risk for the soil pathways.

- (v) Increased risk for potential exposures based on current land use on Riley Land are the result of background metals concentrations within the surface soils. Therefore the increased risk shown above are indicative of background levels and not associated with the Site.
- (vi) Soil vapor and indoor air have been addressed through development of a vapor mitigation program and action levels were developed using the lowest values of the potential cancer and non-cancer health effects and were approved by U.S. EPA and IDEM. At those residences with air samples containing concentrations above the actions levels, vapor mitigation will be required and is ongoing.

9.6 THEORETICAL NATURE OF RISK ESTIMATES

A human health risk assessment assigns a numerical value to the excess probability (above background cancer rates) of a case of cancer developing in a population exposed to a specified amount of chemical that is a known or suspect carcinogen. This numerical value is presented as an upper limit excess cancer risk such as 1.0E-04, or one additional cancer case in a one ten thousand people exposed to the chemical at the specific chemical concentration for their entire lifetime, which is assumed to be 70 years. The model that is applied to calculate this numerical risk value is intentionally biased to give a high or conservative value, so the true value would be lower. The Cancer Risk Model and the assumptions used to estimate exposure are protective of the most sensitive populations. The true risk is expected to be lower than that calculated and may quite reasonably be zero. Thus risk estimates are overestimated by the HHRA methodology itself.

10.0 ECOLOGICAL ASSESSMENT

10.1 <u>INTRODUCTION</u>

A screening-level ecological risk assessment (SLERA) conducted for the Site that follows guidelines as set forth in U.S. EPA *Ecological Risk Assessment Guidance for Superfund, Process for Designing and Conducting Ecological Risk Assessment* (U.S. EPA, 1997). This SLERA addresses Steps 1 and 2 of the eight-step process presented in U.S. EPA's 1997 guidance document. The SLERA is provided in Appendix T.

For this SLERA, the Site was partitioned into six assessment areas based on the type of environmental media evaluated and the historical use of the areas. The six assessment areas are SWMUs 1 and 2, SWMU 5, AOC 3A, AOC 3B, Riley Lake, and the Artesian Well on private property northwest of the Site.

10.2 <u>SPECIES OF CONCERN</u>

Information on plant and animal species of concern that have been documented to occur in Fountain County was obtained from a web site maintained by the Indiana Department of Natural Resources (IDNR). As requested by U.S. EPA in their comments on the initial submittal of the SLERA, the U.S. Fish and Wildlife Service (USFWS) was consulted regarding the historical occurrence of federally-listed species of concern within the vicinity of the Site. In a letter dated March 26, 2008, the USFWS indicated that Site is within the range of the Indiana bat (*Myotis sodalis*) and clubshell mussel (*Pleurabema clava*), both of which are listed as endangered at the federal level. Correspondence with the USFWS is provided in Attachment A.

Although field surveys for the species identified have not been conducted, it is unlikely that any of the species of concern, plant or animal, occur on or within the vicinity of the Site. Historical manufacturing, storage, and maintenance activities within the Site proper would have likely precluded the establishment and propagation of plants identified as species of concern. For the animals, a combination of industrial operations within the Site and the presence of residential developments and active agriculture immediately adjacent to the Site would likely discourage regular utilization of the Site and adjacent habitats. However, a limited number of species of concern, such as Great Heron, may occasionally visit the Site to forage or rest. The Indiana bat typically forages for insects in wooded stream corridors characterized by mature trees with loose bark (e.g., shagbark hickory). Clubshell mussel inhabit medium to large rivers with gravel or

gravel and sand substrates. Habitats for the Indiana bat and clubshell mussel are not present on or around the Site.

10.3 HABITATS OF CONCERN

The IDNR (1999) identifies eight high quality natural communities that occur in Fountain County. These communities are:

- Wet Floodplain Forest
- Dry Upland Forest
- Dry-Mesic Upland Forest
- Mesic Upland Forest
- Mesic Prairie
- Sandstone Cliff
- Marsh
- Circumneutral Seep Wetland

None of these communities occurs on the Site. The relatively large wooded area to the southwest of the southern part of the Site potentially qualifies as a Dry Upland Forest. A detailed assessment of the characteristics of the wooded area and consultation with IDNR would be required to make this determination.

No other sensitive areas occur on or adjacent to the Site. According to the Consent Order (U.S. EPA 1999), the closest sensitive environment is a freshwater wetland area along the Wabash River located approximately 2,400 feet northwest of the Site. This wetland area is characterized as the area extending from the River's edge to the 550-foot contour line on the Attica, Indiana USGS topographic map. A small area of grasses and herbaceous species typically found in wetlands is present near the former point of discharge of the artesian well.

10.4 <u>POTENTIALLY COMPLETE EXPOSURE PATHWAYS</u>

A complete exposure pathway must have the following components: (1) an anthropogenic source of a chemical constituent; (2) a mechanism for transport of the constituents from the source to one or more ecological receptors; and (3) exposure of ecological receptors to the constituent (exposure route). Exposure routes include

ingestion, direct contact, and inhalation. In ecological risk assessments, the inhalation exposure route is generally not considered to be significant. Accordingly, this SLERA does not consider inhalation.

Potentially complete exposure routes at the Site are:

- ingestion and direct contact with soil (plants and animals)
- ingestion by upper trophic level organisms of prey exposed to chemical constituents in soil
- ingestion of constituents taken up and stored in plant tissues by herbivores and omnivores
- ingestion of and direct contact with the sediment of Riley Lake
- ingestion and direct contact with the surface water of Riley Lake and the Artesian Well discharge
- ingestion and direct contact with soil in the vicinity of the Artesian Well discharge
- ingestion of exposed prey by upper trophic level organisms of the aquatic food web of Riley Lake
- ingestion of fish exposed to chemical constituents in Riley Lake by piscivorous birds and mammals

10.5 SLERA SUMMARY AND CONCLUSIONS

This screening-level assessment identified several VOCs and metals with maximum detected concentrations that exceed their ecological screening values (ESVs). SWMUs 1 and 2, cDCE, TCE, and PCE were detected in soil at concentrations above their ESVs. These chlorinated solvents were historically used in manufacturing operations at Site. None of the VOCs detected in soil are identified as bioaccumulative constituents of concern (BCOCs). Fourteen metals have maximum concentrations Barium, copper, lead, and silver, known contaminants greater than their ESVs. associated with Site operations, all have a screening quotient (SQ) in excess of unity, although the SQ for lead is only slightly greater than unity. However, several other metals, particularly iron, have SQs much higher than those metals known to have been used at the Site. This suggests that some of the metals may be from natural sources or other sources. Consideration of background concentrations of metals is beyond the scope of a screening-level assessment. Of the metals detected in soil in SWMUs 1 and 2, cadmium, chromium, copper, lead, mercury, nickel, selenium, and zinc are identified as BCOCs.

For SWMU 5, no VOCs have maximum soil concentrations in excess of ESVs. The maximum concentrations of ten metals have SQs in excess of unity. These metals include copper and silver, which are associated with past Site activities. Other metals with SQs in excess of unity are cadmium, iron, manganese, nickel, selenium, thallium, vanadium, and zinc. Of the metals detected in soil SWMU 5, cadmium, chromium, copper, lead, mercury, nickel, selenium, and zinc are identified as BCOCs.

In AOC 3A, eight PAHs and one phthalate ester were detected in soil. However, none of these SVOCs have SQs greater than unity. None of the PAHs or the phthalate ester detected in soil is identified as BCOCs. Soils from this assessment area were not analyzed for metals.

In AOC 3B, 15 metals have maximum concentrations in excess of unity. These metals include in barium, copper, lead, and silver, which are associated with historical operations at the Site. Lead has an SQ of 155. Zinc has the highest SQ, with a value of 1,076. Other metals with SQs in excess of 20 are antimony, iron, and selenium. Soil from AOC 3B was not analyzed for VOCs or SVOCs. Of the metals detected in soil in AOC 3B, cadmium, chromium, copper, lead, mercury, nickel, selenium, and zinc are identified as BCOCs.

Samples of sediment and surface water of Riley Lake were analyzed for VOCs and metals. Methylene chloride was the only VOC detected in sediment or surface water. The maximum concentration of methylene chloride in sediment $(4.7 \,\mu g/kg)$ is well below its ESV. Methylene chloride was not detected in surface water or groundwater from well PW-2. Five VOCs were detected in groundwater from well PW-2: benzene, cDCE, tDCE, TCE, and vinyl chloride. The maximum concentrations of all five VOCs are below their respective ESVs. None of the five VOCs is identified as BCOC.

Nineteen metals were detected in the sediment of Riley Lake. Only copper and zinc have SQs greater than unity, with SQs of 1.6 and 1.3, respectively. Given the high level of conservatism of the screening assessment, it can be reasonably concluded that copper and zinc do not pose an unacceptable potential risk to ecological receptors at Riley Lake. Of the 19 metals detected in sediment, cadmium, copper, mercury, nickel, selenium, and zinc are identified as BCOCs.

Six metals were detected in the surface water of Riley Lake. Of these six metals, magnesium and mercury have SQs that exceeded unity. The SQs for magnesium and mercury are 26 and 38, respectively. Mercury is the only metal detected identified as a BCOC.

Water that formerly discharged from the artesian well was analyzed for VOCs. Eleven VOCs were detected. Concentrations for nine of the 11 VOCs were well below their respective VOCs. For the other two, ESVs were not available. None of the 11 VOCs detected is identified as a BCOC. The artesian well is closed and water is no longer discharging from this location so no complete potential exposure pathway remains.

Five VOCs were detected in surficial soil in the vicinity of the artesian well: 1,2-DCA, cDCE, methylene chloride, tDCE, and TCE. The maximum concentrations for all five VOCs are below their respective ESVs. None of the detected VOCs are identified as a BCOC.

At this step of the process, it can be concluded that several chemical constituents have the potential to pose unacceptable risk to ecological receptors. This conclusion is based on an SQ that exceeds unity or the designation of a constituent as a BCOC. Some of the constituents (i.e., cDCE, TCE, PCE, barium, copper, lead, and silver) are known or suspected contaminants. Other contaminants with maximum concentrations in excess of unity, particularly some of the metals, may be attributable to sources other than historical Site activities.

For metals, area-specific background concentrations should be considered before a risk management decision can be made. Also, consideration of alternative ESVs is likely to be more appropriate for Site-specific conditions. Use of alternative ESVs would apply to constituents that were detected, but also those constituents with minimum LODs below the ESVs used in this SLERA. ESVs were not available for several chemical constituents, primarily the VOCs. Additional analyses of these constituents should include identification of appropriate surrogate chemicals with available ESVs. Consideration of area background concentrations and alternative ESVs is done in Step 3 of U.S. EPA's eight-step ecological risk assessment process.

10.6 UNCERTAINTY ANALYSIS

There is a high degree of uncertainty inherent in a screening-level assessment. However, to avoid incorrectly dismissing the potential for risk to ecological receptors, uncertainty is strongly biased toward overestimating risk. For example, conservative ESVs accepted by the risk assessment community are used to assess the potential for risk. At those tiers where multiple ESVs were available, the lowest (e.g., most conservative) ESV was selected. Due to the conservatism inherent in this SLERA, it can be concluded with a high level of certainty that concentrations of chemical constituents

below their ESVs do not pose a risk to ecological receptors. However, it is uncertain if concentrations above conservative ESVs actually pose an unacceptable potential for risk.

The source of metals in the soil of the SWMUs and AOCs, and the sediment and surface water of Riley Lake is likely related to background conditions. Because this SLERA is intentionally conservative, background concentrations or other potential sources of metals were not distinguished from those which may be Site-related. Additionally, ICMs have been implemented on Site in AOC 3B, SWMUs 1 and 2, SWMU 5, and SWMU 11/AOC 2 to address soil contamination. These ICMs have likely reduced the concentrations of VOCs in soil below the concentrations used to develop this SLERA, and the SLERA will be need to be updated once the confirmatory soil samples are obtained in these areas.

Several of the organic constituents and metals detected in soil and sediment do not have ESVs. Therefore, it is uncertain whether or not these constituents pose risk to ecological receptors.

For several constituents, primarily organics, the LOD for all samples exceed their conservative ESVs. Actual concentrations of these constituents may range from zero to the LOD. Not only is the actual concentration uncertain, but it is also uncertain if constituents in this category are present at concentrations that would pose unacceptable risk to ecological receptors.

The vast majority of soil samples evaluated in this SLERA were collected from areas of the Site that have been altered over the years by human activity. As a result, most of the sample locations are located in, or near, suspected source areas for chemical constituents. Although likely to be low, utilization of the sample locations by ecological receptors is uncertain. To account for this uncertainty, the screening assessment assumed that ecological receptors are exposed to chemical constituents in all areas of the Site, that receptors are exposed only to the maximum concentrations, and that all constituents are 100 percent bioavailable to exposed receptors.

11.0 SUMMARY OF FINDINGS AND CONCLUSIONS

11.1 <u>SITE BACKGROUND</u>

The purpose of the Phase IIB RFI was to investigate the extent of contamination within and potentially migrating from five SWMUs and three AOCs at the Site. The Phase IIB RFI was conducted in accordance with the document entitled *Phase IIB RFI Work Plan, Radio Materials Corporation Facility, Attica, Indiana* as amended by the letter to U.S. EPA dated June 10, 2003 and approved by U.S. EPA in a letter dated June 16, 2003.

In June 2004, CRA submitted a document to U.S. EPA entitled *Interim Data Transmittal and Supplemental Phase IIB RFI Scope of Work* for additional investigation at the RMC facility. The purpose of the Interim Data Transmittal Report was to describe the additional work required to further investigate the vertical and horizontal extent of contamination within, and potentially migrating from, the RMC facility and to obtain data necessary to evaluate potential human and ecological receptors. The amended Phase IIB SOW formed an addendum to the Phase IIB RFI Work Plan, previously submitted to U.S. EPA in June 2003. The work described in the Interim Data Transmittal Report was implemented during the period of September through December 2004.

Additional supplemental Phase IIB investigation activities performed during the period of July through September 2005 included installation of additional overburden and bedrock monitoring wells, advancement of soil borings, collection of surface soil samples, closure of an artesian well, collection of groundwater samples, and a vapor intrusion study. Phase IIB investigation activities performed during the period of October 2005 through December 2009 included regular groundwater monitoring and continuation of the vapor intrusion investigation.

A summary of the SWMUs and AOCs investigated included:

- SWMU 1 Former Drum Storage Area
- SWMU 2 Former Disposal Area A
- SWMU 3 Temporary Drum Storage in Building 6
- SWMU 5 Disposal Area B
- SWMU 11 Former PCE Vapor Degreaser
- AOC 2 Underground Storage Tanks
- AOC 3A and 3B South and North Outfalls
- AOC 5 Site Water Supply Wells 1 and 2

The purpose of this document is to describe the methods and the findings of the Phase IIB RFI. This document is intended to be a comprehensive summary of the Phase IIB RFI, including the data and information previously reported in the Interim Data Transmittal Report.

11.2 PHASE IIB FIELD INVESTIGATION

The Phase IIB RFI was conducted in multiple phases. The initial field work associated with the Phase IIB RFI was initiated in August 2003 and was completed in October 2003, except for monthly water-level monitoring, which continued through February 2004. The supplemental Phase IIB investigation was initiated in September 2004 and was completed in December 2004. Additional Phase IIB investigation activities were performed during the period of July through September 2005 and included installation of additional overburden and bedrock monitoring wells, advancement of soil borings, collection of surface soil samples, collection of groundwater samples, closure of an artesian well, completion of a vapor intrusion study, and installation of a vapor mitigation system. Phase IIB investigation activities performed during the period of October 2005 through December 2009 included regular groundwater monitoring and continuation of the vapor intrusion investigation.

11.2.1 <u>SOIL INVESTIGATIONS</u>

11.2.1.1 BACKGROUND SOIL INVESTIGATION

Background soil samples were collected during 2003, and these soil samples were analyzed for TAL metals. ProUCL was used to establish the background concentrations of metals in native surface and subsurface soils. These data were used to evaluate TAL metals results for soils from the various areas of the Site that were investigated.

11.2.1.2 <u>SWMU 1 AND 2</u>

Due to their close proximity, the investigations at SWMU 1 and SWMU 2 were combined. Investigative activities included a geophysical study (terrain conductivity, electromagnetic survey, and ground penetrating radar), test pit excavation and sampling, collection and analysis of surface soil samples, and advancement of 113 soil borings with collection/analysis of subsurface soil samples. Collected soil samples were

analyzed for TCL VOCs, and selected soil samples were analyzed for TCL SVOCs, TAL metals, PCBs, and total cyanide.

Buried wastes and VOC-contaminated soil were identified within the boundaries of SWMUs 1 and 2 during the Phase IIB RFI. Total VOC concentrations are highest (above 10 mg/kg) in the central portion of SWMUs 1 and 2, but total VOC concentrations above 1 mg/kg are present within and around SWMUs 1 and 2. PCE is the VOC detected most frequently and at the highest concentrations within SWMUs 1 and 2. An area where total VOC concentrations are above 0.1 mg/kg is present around the SWMU 1 and 2 areas and extends towards the northwest.

Arsenic is the metal most commonly detected at concentrations above RDCLs and IDCLs. Isolated detections of barium, copper, lead, and silver above RDCLs and IDCLs occurred in borings and test pit soil samples collected near the center of SWMUs 1 and 2. The arsenic concentrations appear to be largely associated with background conditions, and the concentrations of the remaining detected metals have been delineated to background levels. No other analytes of concern were identified in the SWMU 1 and 2 areas.

Soil impacts in SWMUs 1 and 2 have been adequately delineated during the Phase IIB RFI, and ICMs have been implemented to address soil impacts.

11.2.1.3 SWMU 3 SOIL RESULTS

Six shallow and two deep soil borings were advanced at SWMU 3 and were selected based on the presence of cracks or expansion joints in order to sample areas that contained the greatest potential for impacts from past drum storage activities at SWMU 3. Shallow and deep soil samples were collected and analyzed for TCL VOCs, TCL SVOCs, and TAL metals.

There does not appear to have been a release from SWMU 3. VOC concentrations observed in subsurface soil increase with depth and appear to be related to the release from area of SWMUs 1 and 2. All but one of the arsenic detections were below the Site-specific background levels in SWMU 3. No other chemicals of concern were identified in SWMU 3.

11.2.1.4 SWMU 5 SOIL RESULTS

SWMU 5 was investigated by the advancement of 62 borings. Thirty-nine soil borings were advanced on a 50-foot grid in 2003, and an additional 23 soil borings were advanced to further delineate the extent of VOC impacts around SWMU 5 in 2004. Surface and subsurface soil samples were collected for laboratory analysis. All soil samples collected in 2003 were analyzed for TCL VOCs and TAL metals. In addition, selected soil samples were analyzed for TCL SVOCs, total cyanide, and PCBs. During 2004, subsurface soil samples collected from SWMU 5 were analyzed for TCL VOCs.

Extensive subsurface soil VOC impacts are present within and around SWMU 5. PCE, TCE, and cDCE were the VOCs most commonly detected in SWMU 5 soil samples, although other chlorinated aliphatic compounds also were detected above RDCLs and IDCLs less frequently in soil. The most elevated concentrations of VOCs (above 100 mg/kg) are present in the central portion of SWMU 5 between approximately 15 and 25 feet bgs. Potential free product was observed in three borings (B-517, B-518, and B-524 in August 2003) at depths ranging from 15 to 24 feet bgs. VOC concentrations above 1 mg/kg are present at depth over a relatively broad area surrounding SWMU 5 and extending beneath Ravine Park to the south. Elevated concentrations of VOCs extend to the top of bedrock (approximately 55 to 60 feet bgs). VOC concentrations at these depths generally were in the single digit part per million range, although total VOC concentrations above 10 mg/kg were noted in soil samples collected from the 30 to 40 feet bgs depth interval immediately west of the excavated area. VOC concentrations above 0.1 mg/kg at depth extend over a wide area northwest of SWMU 5.

Arsenic is the metal most commonly detected at concentrations above the RDCLs. However, all but one of the arsenic detections were below the Site-specific background levels in SWMU 5. Lead was detected in only one soil sample at a concentration above the RDCL at a depth below 10 feet bgs. No other analytes of concern were identified in the SWMU 5 area.

Soil impacts in SWMU 5 have been adequately delineated during the Phase IIB RFI and ICMs have been implemented into address soil impacts.

11.2.1.5 SWMU 11/AOC 2 SOIL RESULTS

SWMU 11/AOC 2 was investigated by the advancement of 38 soil borings. The soil samples collected during 2003 were analyzed for TCL VOCs and TAL metals. In addition, two soil samples collected from selected borings located near AOC 2 were

analyzed for TCL SVOC. During 2004, soil samples were analyzed for TCL VOCs. In 2005, six additional borings (B-1133 through B-1138) were advanced to delineate subsurface soil VOC impacts.

Subsurface soil VOC impacts are present within and around SWMU 11/AOC 2. PCE and TCE were the VOCs most commonly detected in SWMU 11/AOC 2 soil samples. PCE was detected primarily in soil samples collected inside the main building in the area of the former vapor degreaser. PCE detections in the range of 1 mg/kg to 50 mg/kg occurred in the vicinity of the former degreaser, with isolated higher detections present. Potential free product was observed in one soil sample collected from the 22 to 24 feet bgs depth interval in boring B-1117 in September 2003.

TCE detections were common and widespread along the eastern side of the main building up to the eastern property boundary. The source of the TCE detections is unclear, but drums containing TCE were reportedly managed historically in this area and contained TCE for use in the vapor degreaser (prior to switching to PCE).

Soil impacts in SWMU 11/AOC 2 have been adequately delineated during the Phase IIB RFI and ICMs have been implemented in SWMU 11 and the portion of AOC 2 located south of Summit Street to address soil impacts.

11.2.1.6 AOC 3A SOIL RESULTS

None of the SVOCs were detected above RDCLs. Analytical data for AOC 3A indicate that SVOC detections in one soil sample during an earlier phase of the RFI were unrelated to the Site and no further investigation or evaluation of corrective measures is required for this area.

11.2.1.7 AOC 3B SOIL RESULTS

SURFACE SOIL SAMPLES

The drainage ditch was investigated to delineate the lead impacts observed during previous investigations. During 2003, the sampling work included the collection of three surface and three near-surface soil samples at three locations in the drainage ditch. The surface soil sample was collected from the center of the ditch at a depth interval of 0 to 0.5 foot bgs. The near-surface soil sample was collected from 1 to 1.5 feet bgs. These six soil samples were submitted for TAL metals analyses.

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During 2004, further investigation was necessary to delineate lead concentrations at depth beneath the drainage ditch and downstream of the area initially investigated, and 35 additional soil samples were collected. Collected soil samples were analyzed for total lead. Composite soil samples were obtained for TCLP lead analysis.

Total TAL metals detected at concentrations above the RDCLs in surface soil samples included antimony, arsenic, lead, and silver. Antimony and lead were detected at concentrations above Site-specific background levels in AOC 3B surface soil samples. Total lead was the only metal detected above the IDCL.

SUBSURFACE SOIL SAMPLES

Total TAL metals detected at concentrations above the RDCLs in AOC 3B subsurface soil samples included antimony, arsenic, chromium, lead, and silver. Only lead was detected at a concentration above the IDCL.

Soil impacts in AOC 3B were adequately delineated during the Phase IIB RFI and an excavation ICM was completed in AOC 3B to address lead soil impacts.

11.2.2 RILEY LAKE SEDIMENT AND SURFACE WATER

Two surface water and two sediment samples were collected from Riley Lake and analyzed for TAL metals and TCL VOCs. The surface water and sediment samples were obtained from the northwestern and southeastern portion of Riley Lake. VOCs were not detected in the surface water and sediment samples obtained from Riley Lake. Arsenic, barium, calcium, magnesium, mercury, and sodium were the only metals detected in Riley Lake surface water samples at concentrations below RDCLs and IDCLs, where applicable. Calcium and copper were detected at concentrations slightly above background soil levels but were well below RDCLs and IDCLs, where applicable.

11.2.3 HYDROGEOLOGICAL INVESTIGATION

11.2.3.1 SCOPE OF WORK

The groundwater monitoring well network consists of 65 overburden monitoring wells, six overburden piezometers, and 24 bedrock monitoring wells. The Phase IIB monitoring wells were installed in phases between August 2003 and January 2008. Prior

to bedrock monitoring well installation, pilot borings were drilled at three of the bedrock monitoring wells to a depth of approximately 150 feet bgs in order to document the bedrock lithology and provide a preliminary assessment of stratigraphic continuity and bedrock fracturing.

The existing and newly installed Site groundwater monitoring wells were surveyed for horizontal and vertical control. The top of casing elevation was surveyed for all of the monitoring wells to the nearest 0.01 foot. Monthly water-level surveys of the monitoring well and piezometer network were performed from October 2003 through February 2004. Additional complete rounds of water-level measurements were recorded during regular monitoring rounds conducted through December 2009.

Single well response tests were performed on 18 overburden monitoring wells and 12 bedrock monitoring wells. Hydraulic response tests were conducted using rising-head techniques. Water levels were measured using a pressure transducer to record hydraulic head changes. Water-level recovery data recorded by the data logger were evaluated using the methods developed by Bouwer and Rice (1976).

Groundwater samples were collected from each of the existing and newly installed wells and piezometers in October 2003, December 2004, and July/August 2005. Groundwater sampling performed after July/August 2005 included 12 regular monitoring events through December 2009.

11.2.3.2 GROUNDWATER OCCURRENCE AND FLOW

OVERBURDEN GROUNDWATER

In general, groundwater occurs in the overburden deposits at depths ranging from less than 10 feet bgs to approximately 60 feet bgs. Overburden saturation tends to occur within a few feet of the top of bedrock. As such, overburden groundwater is deepest where the overburden deposits are thickest (southern portions of the Site) and shallowest where overburden deposits are thin (northern portion of the Site). The groundwater flow direction in the overburden is consistently towards the northwest. Each of the overburden groundwater contour maps depicts a slight groundwater mounding effect (flattening of the contours) in the vicinity of Riley Lake. This suggests that seepage from Riley Lake and recharge to the overburden is occurring in this area. This is consistent with the available information about the lake, which was constructed with a compacted clay bottom on native deposits. The horizontal gradient in the overburden ranged from 0.010 to 0.016 during the Phase IIB RFI. Response testing

recorded a range in hydraulic conductivity in the overburden from 9.4EE-06 cm/s in sand and silt deposits to 2.0EE-02 cm/s in gravel deposits. The calculated geometric mean of the hydraulic conductivity for the overburden is 9.1EE-04 cm/s.

BEDROCK GROUNDWATER

In general, groundwater levels measured in the bedrock wells ranged from less than 10 feet bgs to approximately 60 feet bgs. The groundwater flow direction in the bedrock is consistently towards the northwest. The horizontal gradient is relatively flat in the southeastern portion of the groundwater investigation area but is considerably steeper in the northwestern portion. Bedrock horizontal hydraulic gradients ranged from 0.09 to 0.015 during the Phase IIB RFI. Response testing recorded a range in hydraulic conductivity from 1.98EE-04 cm/s in a gray shale unit to 4.08EE-02 cm/s in a siltstone deposit. The calculated geometric mean of the hydraulic conductivity for the bedrock aquifer is 2.25EE-03 cm/s. Closely spaced horizontal fractures are predominant in the shales, siltstones, and sandstones deposited beneath the area. Groundwater flow and contaminant transport is expected to occur primarily through these horizontal fracture zones.

11.2.3.3 GROUNDWATER ANALYTICAL RESULTS

VOLATILE ORGANIC COMPOUNDS - SOUTHERN AREA

In the southern portion of the groundwater investigation area, a groundwater VOC plume primarily consisting of dissolved PCE, TCE, and cDCE appears to be originating from SWMU 5, where the highest VOC groundwater concentrations were observed in the overburden monitoring wells. Elevated levels of VOCs were observed in numerous soil samples collected from SWMU 5, including isolated observations of potential free product in borings advanced in August 2003. Elevated concentrations of VOCs in SWMU 5 soil were observed to extend to a sufficient depth for leaching of VOCs from the former disposal area to overburden groundwater present at approximately 55 feet bgs in this area. Potential free product was observed in August 2003 in three SWMU 5 borings at depths between 15 and 24 feet bgs, but VOC concentrations indicative of potential free product were generally not observed in the deepest soil samples collected from SWMU 5. VOC concentrations in these soils were generally in the single digit parts per million range or lower.

SWMU 11/AOC 2 appears to be contributing primarily dissolved TCE to overburden groundwater in the southern portion of the groundwater investigation area. Elevated

concentrations of TCE were observed in the soil samples collected in the area near the former PCE degreaser. Reportedly, TCE was used in this degreaser prior to the use of PCE, and potential free product was observed in one of the soil borings advanced adjacent to the former location of the PCE degreaser (B-1117 in September 2003) at a depth of 20 to 24 feet bgs. The soil sample from this depth interval contained PCE at a concentration of 1,900 mg/kg. Additionally, elevated concentrations of TCE are present in the soil samples collected near the eastern property boundary adjacent to the main plant. Reportedly, drums containing TCE were staged in this area, although it is the deeper subsurface soil samples that exhibit the greater TCE concentrations. Some of the deepest subsurface soil samples in the SWMU 5/AOC 2 area exhibit PCE and/or TCE concentrations in the several hundred parts per billion to low single digit parts per million levels, indicating a potential source for these analytes in overburden groundwater.

U.S. EPA-approved soil ICMs were implemented in SWMU 5 and SWMU 11/AOC 2 where soil impacts are known to be present as the result of Site investigations. To date, it is estimated that over 6 tons of VOCs have been removed from the ground by the SVE systems. Through operation of the ICMs, it was expected that the potential leaching of VOCs to groundwater resulting in groundwater contamination would be greatly reduced and groundwater quality would improve. Recent groundwater monitoring results indicating substantial reduction in VOC concentrations in groundwater samples from overburden monitoring wells located near the source areas confirm the effectiveness of the ICMs implemented in these areas.

Using the published TCE solubility in water of 1,100 mg/L (Montgomery 2000), the 1 percent threshold concentration in groundwater indicative of potential DNAPL would be 11 mg/L. TCE was detected at concentrations above the 1 percent threshold concentration at two overburden monitoring wells on the southern portion of the Site (OB-3 and OB-8). However, since the startup of the soil ICMs, the concentration of TCE in the groundwater at these two locations has decreased to well below 1 mg/L. Because the soil ICMs implemented in SWMU 5 and SWMU 11/AOC 2 target the vadose zone soil, the significant decrease in the VOC concentrations in the groundwater demonstrate that the TCE present in the groundwater at these locations is the result of leaching of residual TCE from the soil column above the groundwater and not from a residual DNAPL source located within the saturated zone. If dissolution of TCE from a DNAPL source present within the saturated zone were the principal reason for impacts to the overburden groundwater, then implementation of soil ICMs would have relatively minimal impact on the concentrations of TCE in the groundwater.

The overburden groundwater VOC plume in the southern portion of the groundwater investigation area extends towards the northwest, parallel to the direction of groundwater flow. PCE and TCE concentrations in the monitoring wells located farthest downgradient (OB-52) are above the RDCLs and in the low double-digit parts per billion range.

The bedrock groundwater downgradient of SWMU 5 does not exhibit the same magnitude of VOC concentrations as was observed in the overburden groundwater. Moreover, rather than TCE, cDCE is the VOC exhibiting the highest concentrations downgradient of SWMU 5, comprising 70 percent or more of the total VOC concentration. Additionally, vinyl chloride is detected more frequently and at higher concentrations in the bedrock groundwater than in the overburden monitoring wells downgradient of SWMU 5. Farther downgradient at monitoring well BW-07, vinyl chloride comprises a larger percentage of the total VOC concentration. These data indicate that the parent compounds (TCE and, to a lesser extent, PCE) are undergoing reductive dechlorination with depth and distance from the source(s). However, recent groundwater monitoring results confirm that the soil ICMs implemented in the vicinity of SWMU 5 and SWMU 11/AOC 2 have been effective at reducing leaching of VOCs to groundwater and have resulted in significant improvements in the on-Site groundwater quality.

Low levels of TCE and cDCE were detected in the deep (200 to 300 feet) on-Site production wells that are screened in limestone deposits. It is unclear whether these compounds are present due to leaching from overlying units into the bedrock or due to vertical migration along the well/borehole annulus. However, geophysical and video logging of production well PW-2 indicates that the borehole is uncased from approximately 68 feet bgs to the base of the well. This configuration would be susceptible to cross contamination from VOCs present at higher elevations by vertical migration along the borehole annulus. However, VAS completed at BW-07A and BW-14A demonstrated that VOC concentrations in the bedrock above the RDCLs did not extend below 175 feet bgs.

VOLATILE ORGANIC COMPOUNDS - NORTHERN AREA

In the northern portion of the groundwater investigation area, an overburden groundwater VOC plume extends towards the northwest from the SWMU 1 and 2 areas where the most elevated concentrations are observed in the groundwater. The northern overburden VOC plume is comprised primarily of dissolved PCE and TCE. Elevated concentrations of VOCs were detected in proximity to the buried waste deposits present in the SWMU 1 and 2 areas and seem to be contributors to dissolved VOCs in the

overburden groundwater in this area. The overburden is much thinner in this area (less than 20 feet thick) and the area is unpaved, enhancing the potential for leaching to overburden groundwater. However, U.S. EPA-approved soil ICMs were implemented in SWMUs 1 and 2 to reduce the potential leaching of VOCs to groundwater. Recent groundwater monitoring results confirm the effectiveness of the ICMs implemented in the SWMU 1 and 2 area.

The concentrations of PCE and TCE in the groundwater in the northern portion of the Site are generally below the 1 percent of solubility rule-of-thumb considered indicative of potential DNAPL. There were no detections of TCE in groundwater in the northern portion of the Site that were at or above 11 mg/L. PCE was detected at concentrations above the 1 percent threshold concentration at two monitoring wells on the southern portion of the Site (OB-19 and the adjacent BW-09). However, since the implementation of the soil ICMs, the concentration of PCE in the groundwater at these two locations has decreased to well below 1 mg/L. Again, this strongly suggests that the PCE present in the groundwater at these locations is the result of leaching of residual PCE from the soil column above the groundwater and not from a residual DNAPL source located within the saturated zone.

The overburden VOC plume extends towards the northwest, parallel to groundwater flow into an agricultural field and the former Riley Airport landing strip owned by the Riley family. PCE and TCE concentrations in groundwater approaching 300 parts per billion are present in the farthest downgradient overburden monitoring wells (OB-30 and OB-31). However, groundwater is absent from the overburden farther downgradient of these well locations, and VOC concentrations above the MCLs were not detected in the downgradient bedrock monitoring wells.

Concentrations of PCE, TCE, and cDCE were above 1 mg/L in the groundwater samples collected from bedrock monitoring wells located north and west of SWMUs 1 and 2. Approximately 1,100 feet downgradient (northwest) of SWMUs 1 and 2, bedrock groundwater VOC concentrations at BW-04 are still above 1 mg/L, but are below the RDCLs at the wells located farthest downgradient (BW-16 and BW-18). cDCE forms a large percentage of the total VOC concentrations in the bedrock groundwater samples in this area.

SEMIVOLATILE ORGANIC COMPOUNDS

Two SVOCs were detected at concentrations above the RDCLs during the October 2003 groundwater monitoring event. SVOCs were not detected at concentrations above the RDCLs in the overburden groundwater during the 2004 monitoring event. SVOCs were

not detected at concentrations above the RDCLs in any of the bedrock groundwater samples. Based on the analytical data obtained during the Phase IIB RFI, SVOCs are not analytes of concern in the overburden groundwater at the Site.

METALS

A number of metals, particularly arsenic, chromium, lead, nickel and thallium, were detected at concentrations above the RDCLs in the overburden groundwater samples collected adjacent to and downgradient of SWMU 5. Lead was detected above the RDCLs and IDCLs during October 2003 in a number of groundwater samples from overburden monitoring wells and was not detected at concentrations above the RDCLs or IDCLs during subsequent sampling rounds. This same observation is true for arsenic in the groundwater sample from OB-01 during October 2003. This suggests that the more elevated arsenic and lead levels observed during October 2003 at these wells were biased high and are not representative of groundwater conditions. This is most likely due to the presence of suspended sediment in the October 2003 groundwater samples. The detections of metals in the overburden groundwater did not extend off the RMC property.

Total lead was detected at a concentration above the RDCL in the groundwater sample collected from monitoring well BW-06 during the October 2003 monitoring round. However, total and dissolved lead were not detected at concentrations above the RDCL in the groundwater sample collected from BW-06 in December 2004. Again, this is most likely due to the presence of suspended sediment in the October 2003 groundwater samples.

11.2.3.4 ARTESIAN WELL SAMPLE

During the Phase IIB RFI, a flowing artesian well was observed in an undeveloped portion of land located to the northwest of the Joe Riley, Jr. residence located north of Summit Street. During February 2004, field measurements indicated a flow of 10 to 12 gpm from the well, which consists of a 5-inch diameter casing that stands approximately 1.5 feet above the ground surface. Groundwater emerging from the well flows along the ground surface generally towards the northwest. Upon discovery, a sample of the water flowing from the well was collected for TCL VOC analysis. VOCs detected at concentrations above the RDCLs in the water sample included cDCE and vinyl chloride.

Three sets of soil samples were collected along the northwesterly trending drainageway that leads away from the artesian well and analyzed for TCL VOCs. VOCs detected in the surface soil samples included cDCE, tDCE, 1,2-DCA, methylene chloride, PCE, and TCE. However, only methylene chloride was detected at a concentration above the RDCL of 0.023 mg/kg in a single sample. No other VOCs were detected in drainageway soil samples at concentrations above the RDCLs or the IDCLs.

The artesian well was closed in accordance with IDNR regulations (312 IAC 13-10-2). During closure, the well was observed to be constructed in the shallow overburden deposits to a depth of approximately 8 feet bgs. The well was plugged with bentonite chips as the casing was pulled. The surface was restored to existing grade. Water is no longer discharging from this location.

11.2.3.5 AOC 5

PRODUCTION WELLS 1 AND 2

During the Phase IIB RFI, water samples were collected from PW-1 and PW-2. Production water samples were analyzed for TCL VOCs and TAL metals. VOCs and metals concentrations were below the federal MCLs in the water samples obtained from PW-1 and PW-2. On-Site production wells PW-1 and PW-2 are no longer in service and are scheduled for closure in accordance with State of Indiana requirements.

RESIDENTIAL WATER SAMPLES

Four residences near the plant that formerly received potable water from the plant's on-Site production wells PW-1 and PW-2, which are no longer in service as of November 2008, were sampled during the Phase IIB RFI prior to being hooked up to the City water network. VOCs and metals were not detected at concentrations above the federal MCLs or SMCLs in the water samples obtained from the four residences.

11.2.4 VAPOR INTRUSION INVESTIGATION

A multi-phase VIS was completed during the period of May 2005 through January 2010. Initially, a VIS was completed in areas downgradient of SWMU 5 in accordance with the VIS Work Plan that was submitted to U.S. EPA in May 2005. The initial VIS was a screening assessment to evaluate soil vapor quality in the vicinity of the Site. The VIS was expanded in phases to areas to the west and northwest of the Site and into the

Elmdale Subdivision located to the east of the Site. The VIS included installation of soil vapor probes, collection of soil vapor samples for analysis, and inspection and sampling activities in residences.

11.2.4.1 SOIL VAPOR ANALYTICAL RESULTS

The soil vapor analytical data obtained during the VIS were compared to IDEM's residential soil gas prompt action levels. In response to the detections of PCE and TCE above IDEM's residential 1-year prompt action levels, a work plan was submitted to U.S. EPA to address installation of vapor mitigation systems in selected residences located along Summit Street.

As of the date of this report, the soil vapor study is still in progress to the east of the RMC Site. However, the soil vapor analytical data indicate that PCE, TCE, and related VOCs concentrations in soil vapor are delineated to levels below IDEM's 30-year prompt soil gas action levels in areas to the west and northwest of the RMC Site.

11.2.4.2 RESIDENTIAL VAPOR INTRUSION SAMPLING

Vapor intrusion sampling, including collection of indoor air, subslab, and crawlspace air samples was performed at residences located near the RMC Site. In response to the vapor intrusion study findings, a work plan was developed that summarized the technical and engineering approach for the mitigation of the potential vapor intrusion pathway. The vapor mitigation approach included development of Site-specific, risk-based action levels for indoor air, crawlspace air, and subslab vapor. Then, residences were categorized and appropriate actions were and continue to be implemented based on the analytical data.

The Vapor Intrusion Mitigation Interim Corrective Measures Work Plan was submitted to U.S. EPA on October 5, 2009 and conditionally approved by U.S. EPA on November 23, 2009. The Vapor Intrusion Mitigation Interim Corrective Measures Work Plan was revised consistent with the response letter to U.S. EPA dated December 28, 2009. The document entitled *Vapor Intrusion Mitigation Interim Measures Design Program* was subsequently submitted to U.S. EPA on January 11, 2010. The Vapor Intrusion Mitigation Interim Measures Design Program provided the basis for the design, the design procedures, and the design approach for vapor mitigation measures to be implemented.

U.S. EPA conditionally approved the Vapor Intrusion Mitigation Interim Measures Design Program on February 23, 2010. Implementation of this program is currently underway.

11.3 <u>HUMAN HEALTH RISK ASSESSMENT RESULTS</u>

The purpose of the HHRA is to evaluate the potential human health risks posed by Site-related chemicals under current and potential future Site conditions, assuming no additional remedial actions are taken at the Site.

The specific goals of the risk assessment are to:

- Identify and provide analysis of baseline risks (defined as risks that might exist if no further remediation were conducted at the Site) and identify what areas of the Site may require further remedial action
- Provide a basis for determining the level of chemicals that can remain on the Site and still not adversely impact public health and the environment
- Provide a basis for comparing potential health and environmental impacts of various remedial alternatives

The HHRA was conducted in accordance with the following U.S. EPA guidance.

For the HHRA, the SWMUs and AOCs were combined to form four potential exposure areas:

- i) Area 1 includes the area north of the gravel pit, extending east of Airport Road
 - to the Site boundary
 - incorporates SWMU 1, SWMU 2, SWMU 3, and SWMU 12
- ii) Area 2 includes the area north of Summit Street, south of the former underground storage tank (UST) area
 - extending east of Airport Road to the Site boundary
 - incorporates SWMU 7 and AOC 3B
- iii) Area 3 with the exception of the area occupied by Riley Lake, Area 3 includes
 - the area south of Summit Street, north of Ravine Park, extending west of 6th Avenue to the Site boundary
 - incorporates SWMU 4, SWMU 5, SWMU 6, SWMU 11, and AOC 2

iv) Riley Lake - incorporates Riley Lake sediment and surface water

The baseline HHRA evaluates potential human exposure in these four exposure areas, Riley Land, and three off-Site exposure areas including:

- i) Off-Site Northwest Residential Area the residential area located northwest of the Site
- ii) Off-Site Ravine Park located south of Area 3
 - incorporates AOC 3A
- iii) Off-Site Elmdale Subdivision the residential area located directly east of Area 3

The exposure areas for which exceedances in the RME cumulative screening level HI of 1.0 or risk of 10⁻⁴ were observed, and the media and receptors for which these exceedances occurred, are summarized below:

Area	Primary Media	Receptor	Exceeds HI	Exceeds Risk
Current/Future Exposures				
Area 1	Ambient Air	Trespasser (Current/Future)	No	No
Riley Land	Surface Soil	Resident (Current)	Yes	No
Riley Lake	Sediment/Surface Water	Trespasser (Current/Future)	No	No
Ravine Park	Surface Soil	Recreational User (Current/Future)	ND	No
Potential Future Exposures				
Area 1	Ambient Air	Industrial/Commercial Worker (Future)	No	No
Area 1	Ambient Air	Resident (Future)	No	No
Area 1	Overburden Groundwater	Construction Worker (Future)	No	No
Area 2	Overburden Groundwater	Construction Worker (Future)	No	No
Riley Land	Soil	Resident (Future)	Yes	No
Riley Land	Soil/Overburden Groundwater	Construction Worker (Future)	No	No
Riley Lake	Sediment/Surface Water	Industrial/Commercial Worker (Future)	No	No
Northwest Residential Area	Overburden Groundwater	Construction Worker (Future)	No	No

Notes

ND = Not Determined due to lack of non-carcinogenic toxicity data.

The HI greater than 1.0 for Riley Land surface soil for the current and future resident is driven by several metals including aluminum, arsenic, cobalt, iron, manganese, thallium, and vanadium. However, with the exception of iron, the maximum concentrations of these metals on Riley Land are below the background concentrations. The maximum iron concentration was above the background iron concentration calculated with outliers removed but was below the background iron concentrations with outliers included. Nevertheless, the HI above 1.0 for the surface soil exposure

scenarios on Riley Land are the result of background concentrations of metals and not the result of Site-related impacts.

Groundwater on Site and in areas located to the west and northwest of the Site contains concentrations of VOCs, primarily PCE, TCE, cDCE, and vinyl chloride, at concentrations above the MCLs or tap water RSLs for those VOCs that lack MCLs. However, it is noted that residents in the Northwest Residential Area are connected to the City water supply and there is no current groundwater usage on-Site or on Riley Land. Therefore, there is no current groundwater exposure to a resident or industrial/commercial worker through ingestion, inhalation, or direct contact through the use of the groundwater. Exposure to groundwater through direct contact, inhalation, and ingestion pathways would be of concern to the extent potable water wells are installed and used in the areas where VOC concentrations are above the MCLs or tap water RSLs under a hypothetical future use scenario.

For the on-Site areas noted above (Areas 1, 2, and 3), there is no current risk greater than 10-4 or HI greater than 1.0. All of the risk is for future conditions that can be controlled through land-use restrictions. For example, future residential risk on-Site can be controlled by restricting future Site use to industrial/commercial through deed restrictions or other land-use controls. The State of Indiana, through IDEM, has a mechanism for recording an environmental restrictive covenant on the property to define these land-use controls. Potential future construction worker exposures can be controlled through the implementation of a Site-specific health and safety plan that would be implemented during subsurface work activities. Potential future industrial/commercial exposure to soil can be controlled by restricting certain areas or activities on-Site to prevent and/or minimize potential future exposure to soil.

11.4 ECOLOGICAL ASSESSMENT RESULTS

A screening-level ecological risk assessment was conducted for the Site following the guidelines as set forth in U.S. EPA guidance. The SLERA addresses Steps 1 and 2 of the eight-step process presented in U.S. EPA's 1997 guidance document. For this SLERA, the Site was partitioned into six assessment areas based on type of environmental media evaluated and historical use of the areas. The six assessment areas are SWMUs 1 and 2, SWMU 5, AOC 3A, AOC 3B, Riley Lake, and the Artesian Well on private property north and west of the Site.

There is a high degree of uncertainty inherent in a screening-level assessment. However, to avoid incorrectly dismissing the potential for risk to ecological receptors,

uncertainty is strongly biased toward overestimating risk. Because this SLERA is intentionally conservative, background concentrations or other potential sources of metals were not distinguished from those which may be Site-related. Additionally, ICMs have been implemented on Site in AOC 3B, SWMUs 1 and 2, SWMU 5, and SWMU 11/AOC 2 to address soil contamination. These ICMs have likely reduced the concentrations of VOCs in soil below the concentrations used to develop this SLERA, and the SLERA will be need to be updated once the confirmatory soil samples are obtained in these areas.

It can be concluded that several chemical constituents have the potential to pose risk to ecological receptors. This conclusion is based on an SQ that exceeds unity or the designation of a constituent as a BCOC. Some of the constituents, (i.e., cDCE, TCE, PCE, barium, copper, lead, and silver) are known or suspected contaminants. Other contaminants with maximum concentrations in excess of unity, particularly some of the metals, may be attributable to sources other than historical Site activities. Consideration of area background concentrations and alternative ESVs is done in Step 3 of U.S. EPA's eight-step ecological risk assessment process.

11.5 INTERIM CORRECTIVE MEASURES

Based on the findings of the Phase IIB RFI, a number of ICMs were developed to control or abate potential threats to human health and/or the environment from releases and/or to prevent or minimize the further spread of contamination while long-term remedies are pursued.

ICMs Work Plans were prepared that identified the areas of the Site that would be amenable to ICMs, the stabilization technologies selected and the rationale for selection, and the activities required to investigate the technologies and obtain the data and information required to design and implement the stabilization technologies.

ICMs were implemented in the following areas:

- SWMUs 1 and 2 (excavation and soil vapor extraction)
- SWMU 5 (in-situ chemical oxidation and soil vapor extraction)
- SWMU 11 and AOC 2 (in-situ chemical oxidation and soil vapor extraction)
- AOC 3B (excavation and off-Site disposal)
- SWMU 12 (excavation and off-Site disposal)
- City Water Wells Nos. 1 and 2 (water treatment system)

A vapor mitigation ICM has been recently approved by U.S. EPA and is in progress. Additionally, an on-Site groundwater ICM work plan was approved by U.S. EPA, and the design documents for this ICM are under review by U.S. EPA.

Soil ICMs were implemented in SWMU 5 and SWMU 11/AOC 2 where soil impacts are known to be present as the result of site investigations. The ICMs, including the SVE systems, were expected to reduce the potential leaching of VOCs to groundwater, thereby improving groundwater quality. To date, it is estimated that over 6 tons of VOCs have been removed from the ground by the SVE systems. Recent groundwater monitoring results indicating substantial reduction in VOC concentrations in groundwater samples from overburden monitoring wells located near the source areas confirm the effectiveness of the ICMs implemented in these areas.

Recent groundwater monitoring results confirm the effectiveness of the ICMs implemented in these areas as VOC concentrations observed in groundwater samples collected from monitoring wells located in proximity to these areas have decreased by up to 99.5 percent.

At AOC 3B, all soil samples were below the 400 mg/kg target cleanup objective for lead and below the IDEM Industrial Default Closure Level of 230 mg/kg following implementation of the excavation ICM.

11.6 <u>CONCLUSION</u>

This document describes the methods, findings, and conclusions of the Phase IIB RFI. This document is intended to be a comprehensive summary of the Phase IIB RFI and includes the data and information previously reported in the Interim Data Transmittal Report (June 2004) and the investigation work completed since submittal of the revised Phase IIB RFI report submitted to U.S. EPA in October 2005. This comprehensive Phase IIB RFI Report is submitted consistent with Attachment II, Sections IV and VI of the Consent Order and form the basis of the subsequent Corrective Measures Study (CMS) as described in Attachment III, Section I of the Consent Order.

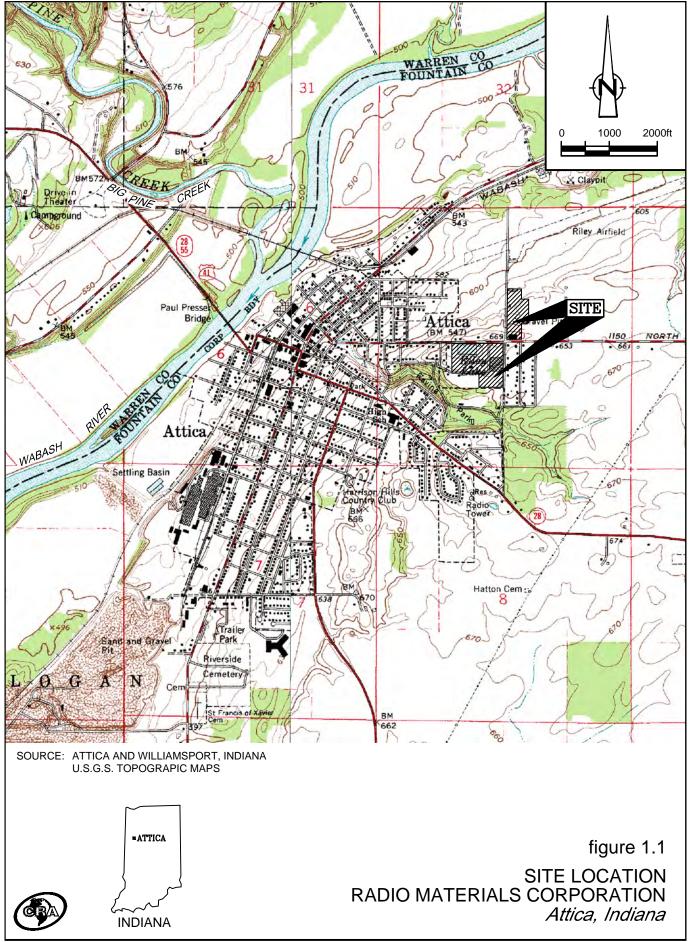
12.0 MAJOR REFERENCES

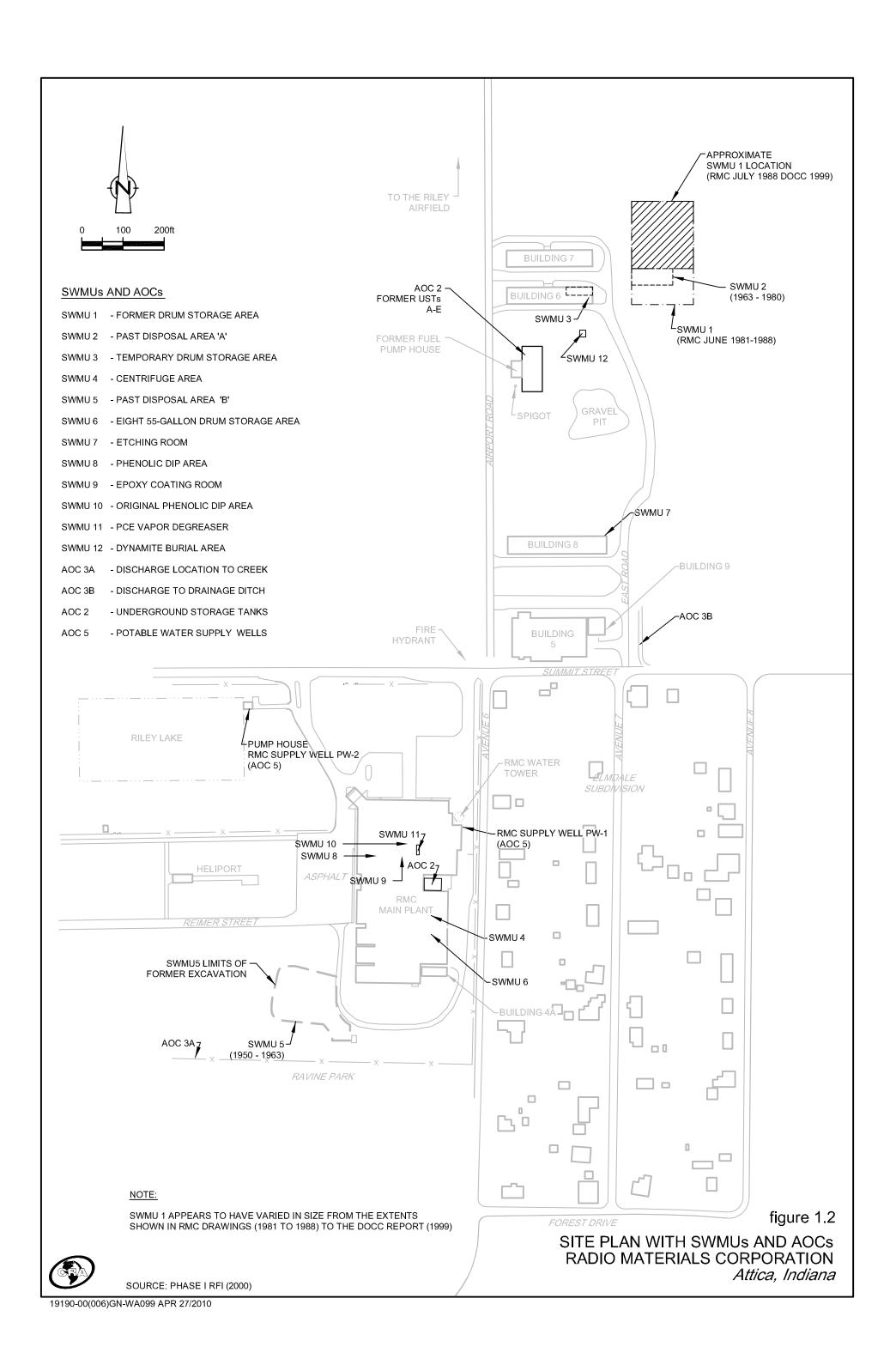
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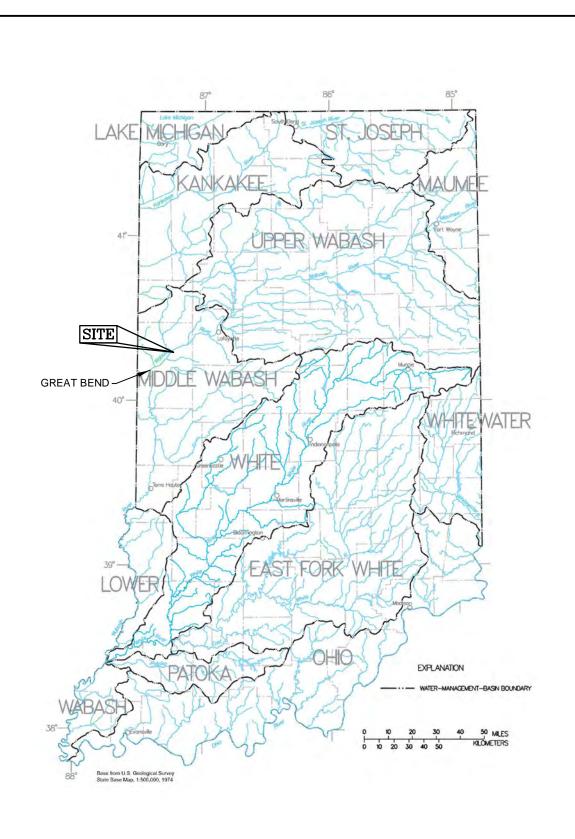


figure 2.1

THE MIDDLE WABASH RIVER BASIN RADIO MATERIALS CORPORATION *Attica, Indiana*



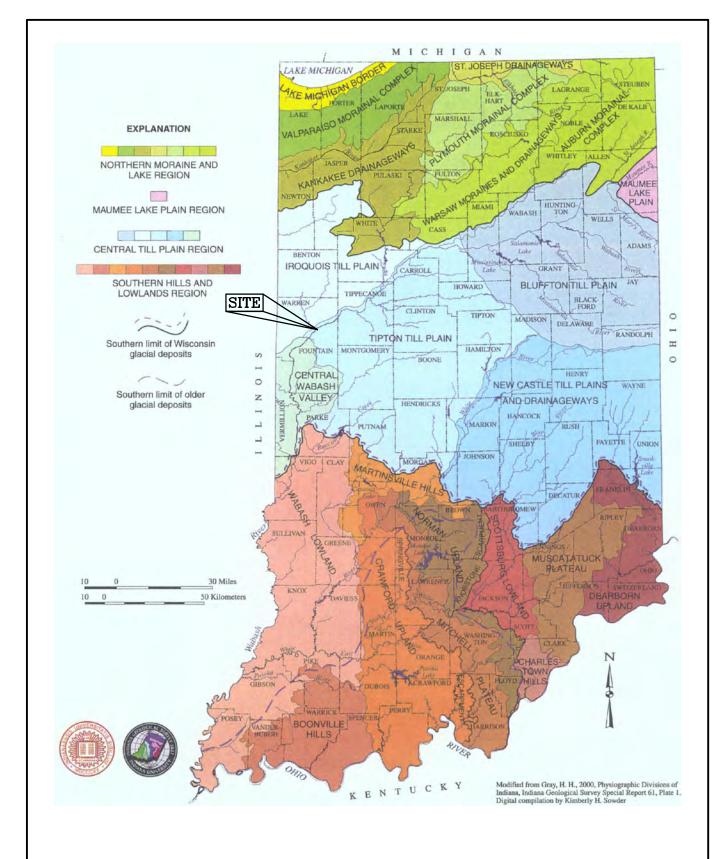


figure 2.2

INDIANA PHYSIOGRAPHIC DIVISIONS RADIO MATERIALS CORPORATION Attica, Indiana



SOURCE: IGS MISCELLANEOUS MAP 69





figure 2.3

LOCAL LAND USE
RADIO MATERIALS CORPORATION

Attica, Indiana

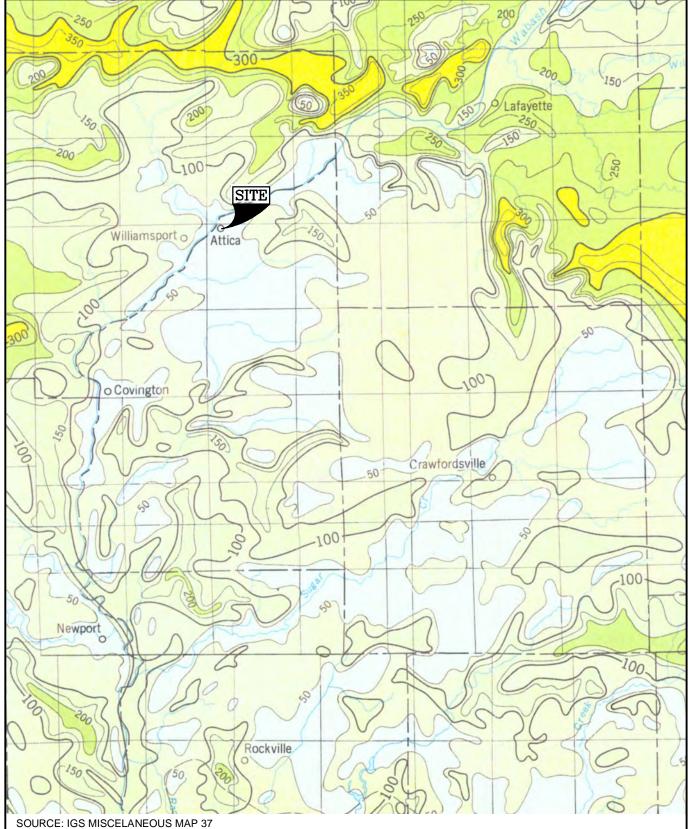


figure 2.4

THICKNESS OF OVERBURDEN DEPOSITS IN THE SITE AREA RADIO MATERIALS CORPORATION Attica, Indiana



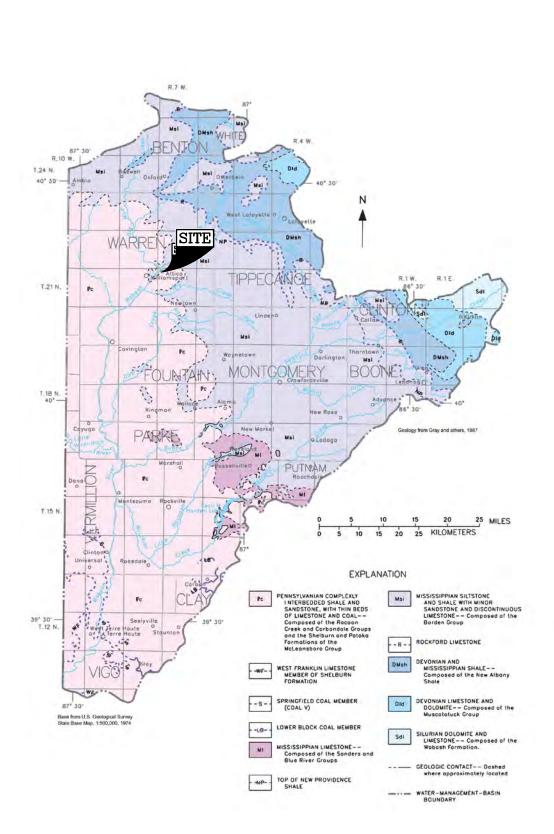


figure 2.5

BEDROCK GEOLOGY OF THE MIDDLE WABASH RIVER BASIN RADIO MATERIALS CORPORATION Attica, Indiana

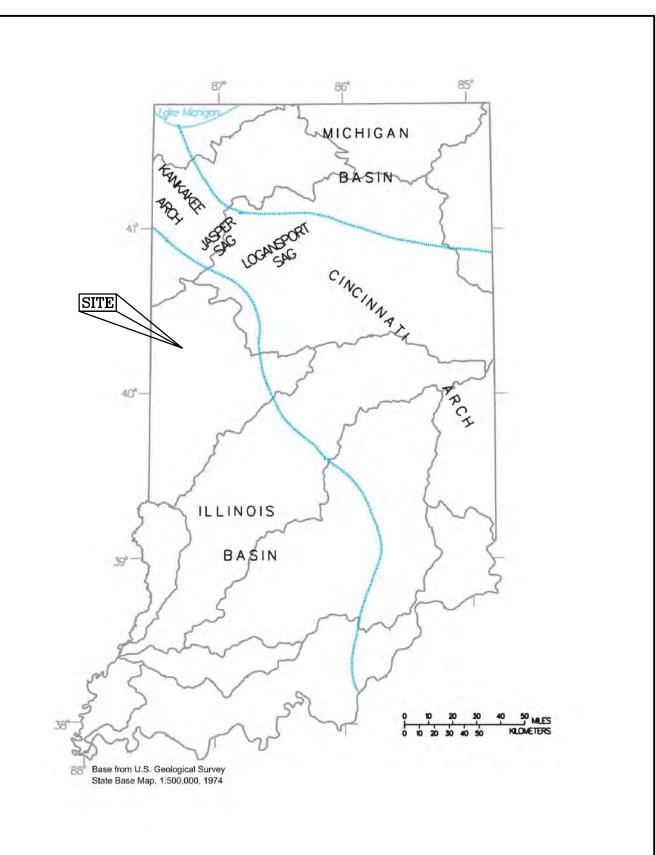


figure 2.6

STRUCTURAL FEATURES OF INDIANA RADIO MATERIALS CORPORATION Attica, Indiana



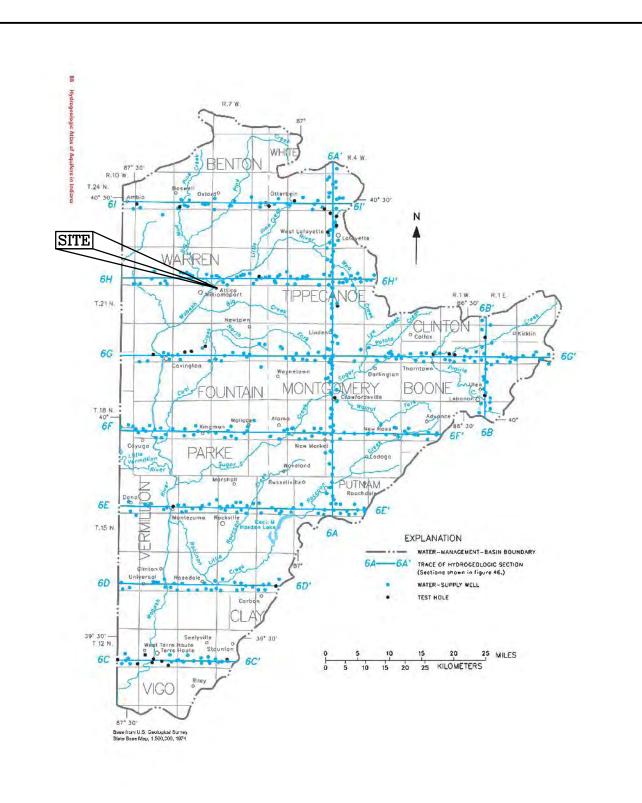


figure 2.7

LOCATION OF REGIONAL SECTION LINES AND WELLS PLOTTED
IN THE MIDDLE WABASH RIVER BASIN
RADIO MATERIALS CORPORATION
Attica, Indiana

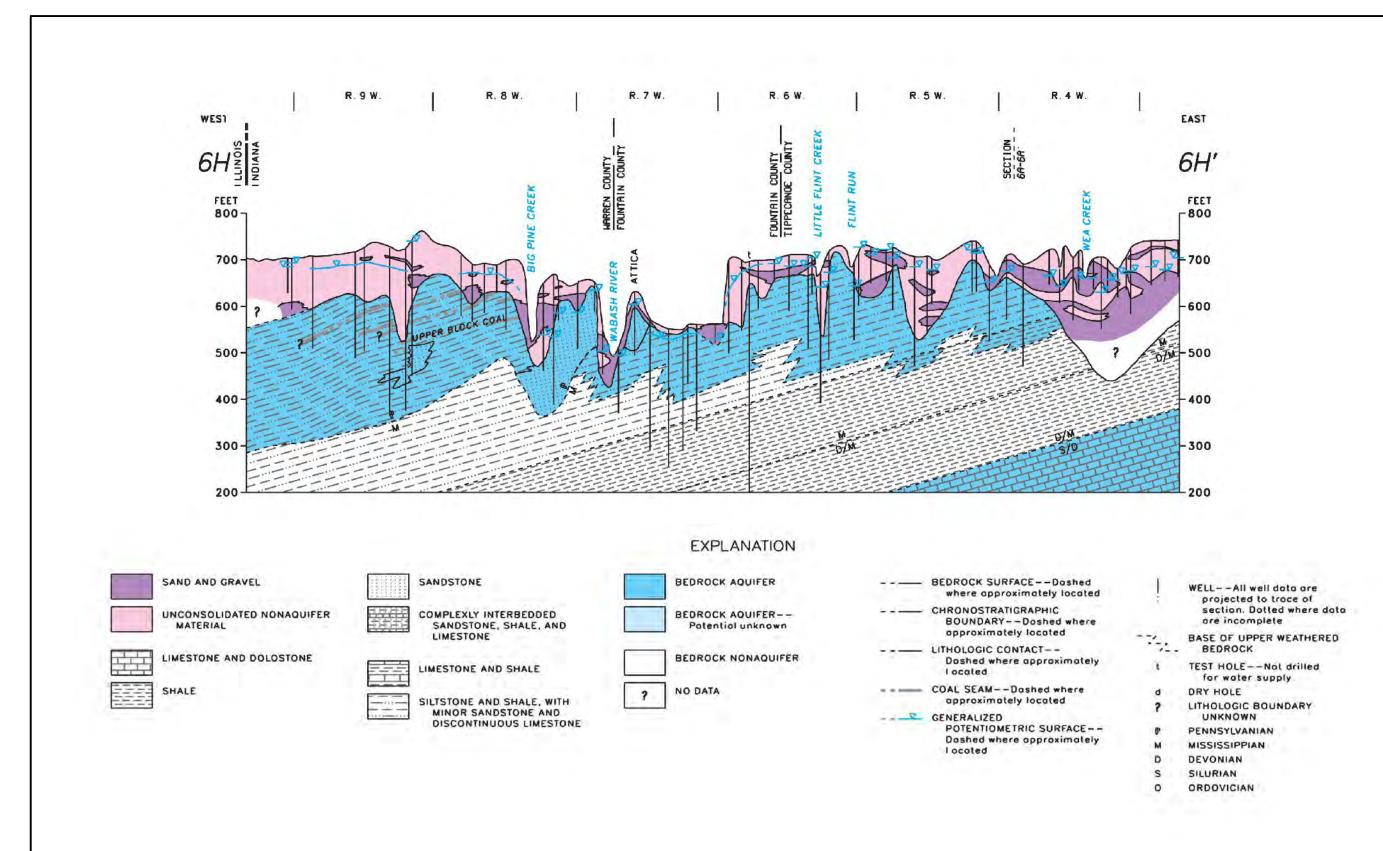


figure 2.8

REGIONAL GEOLOGIC CROSS-SECTION 6H-6H'
RADIO MATERIALS CORPORATION
Attica, Indiana



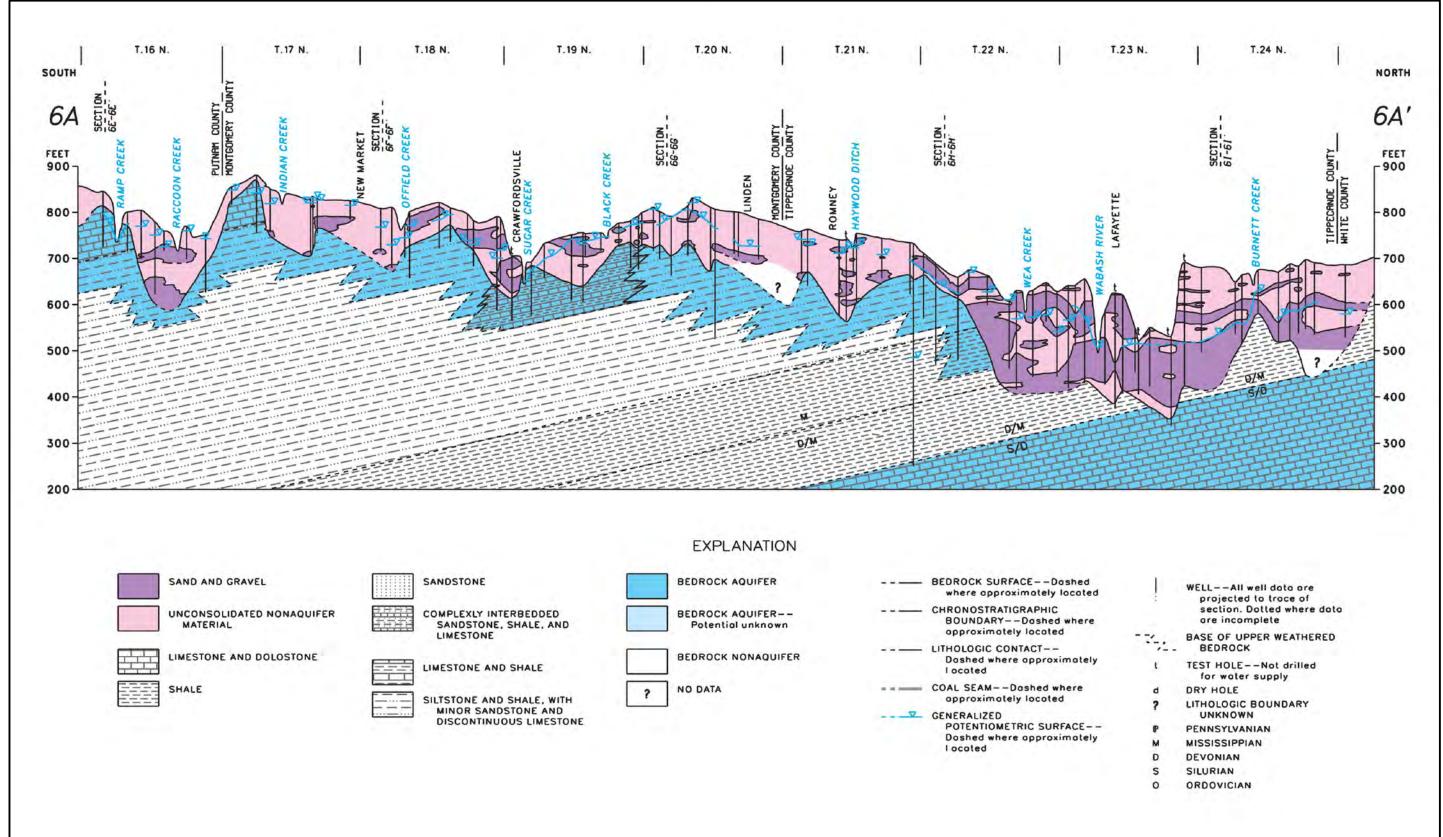


figure 2.9

REGIONAL GEOLOGIC CROSS-SECTION 6A-6A'
RADIO MATERIALS CORPORATION
Attica, Indiana



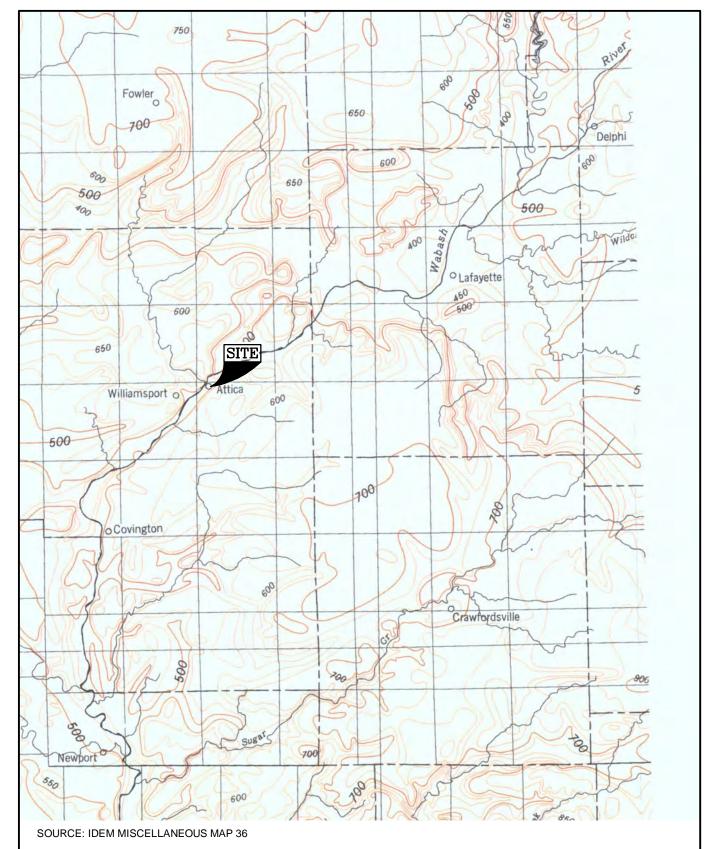
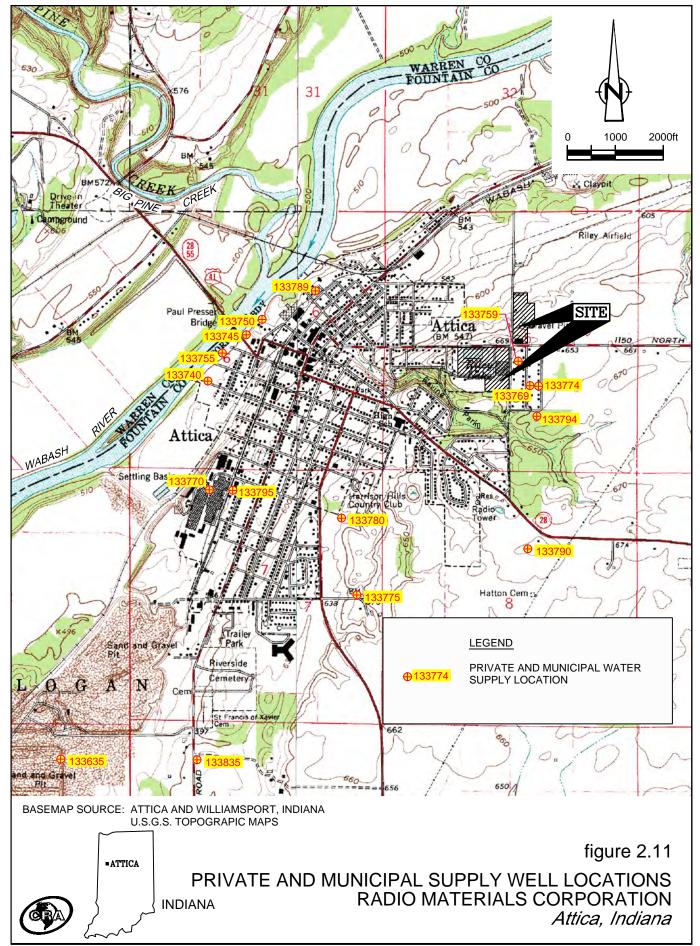
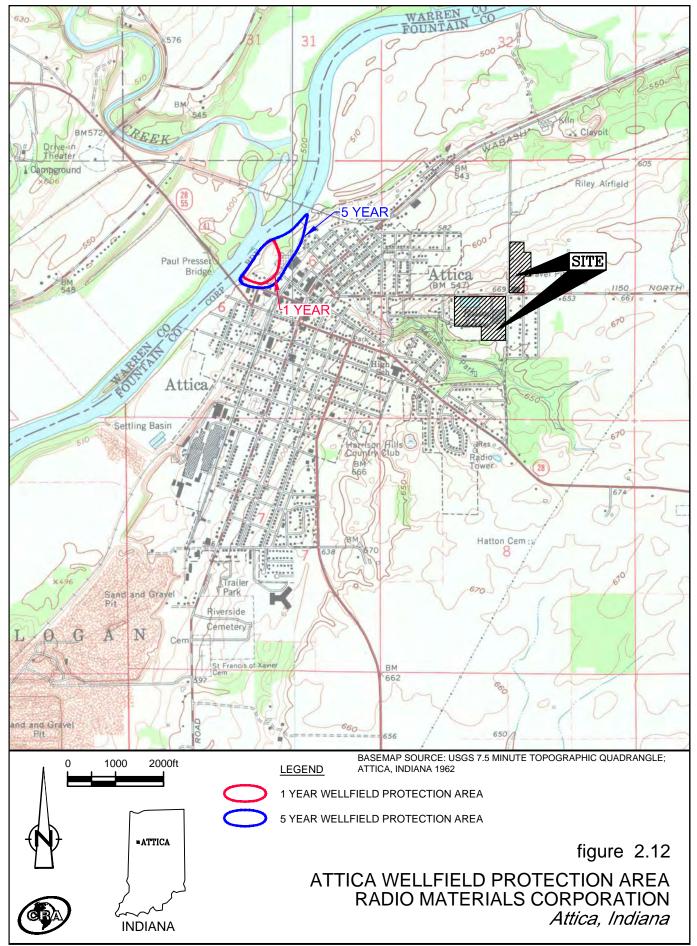


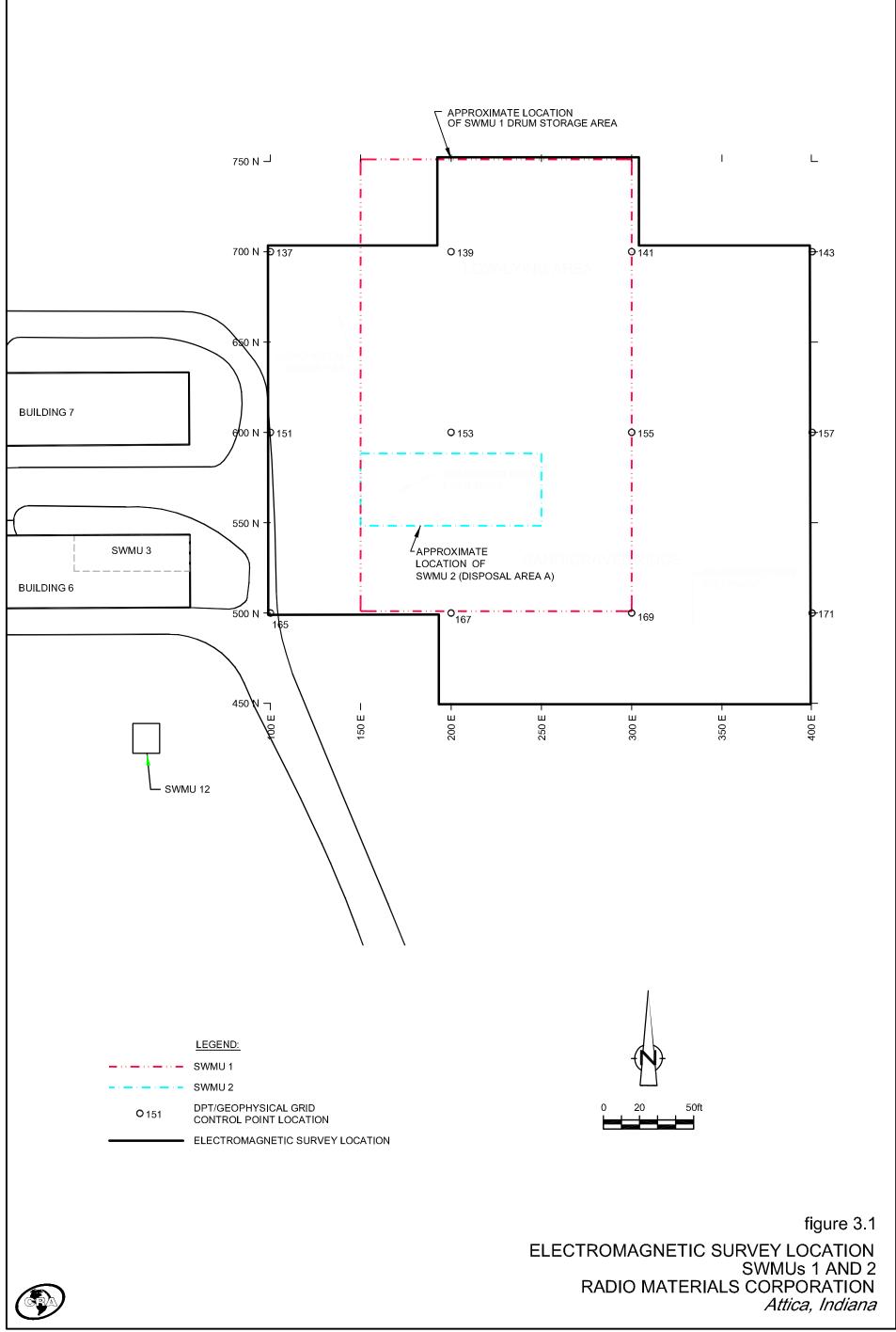
figure 2.10

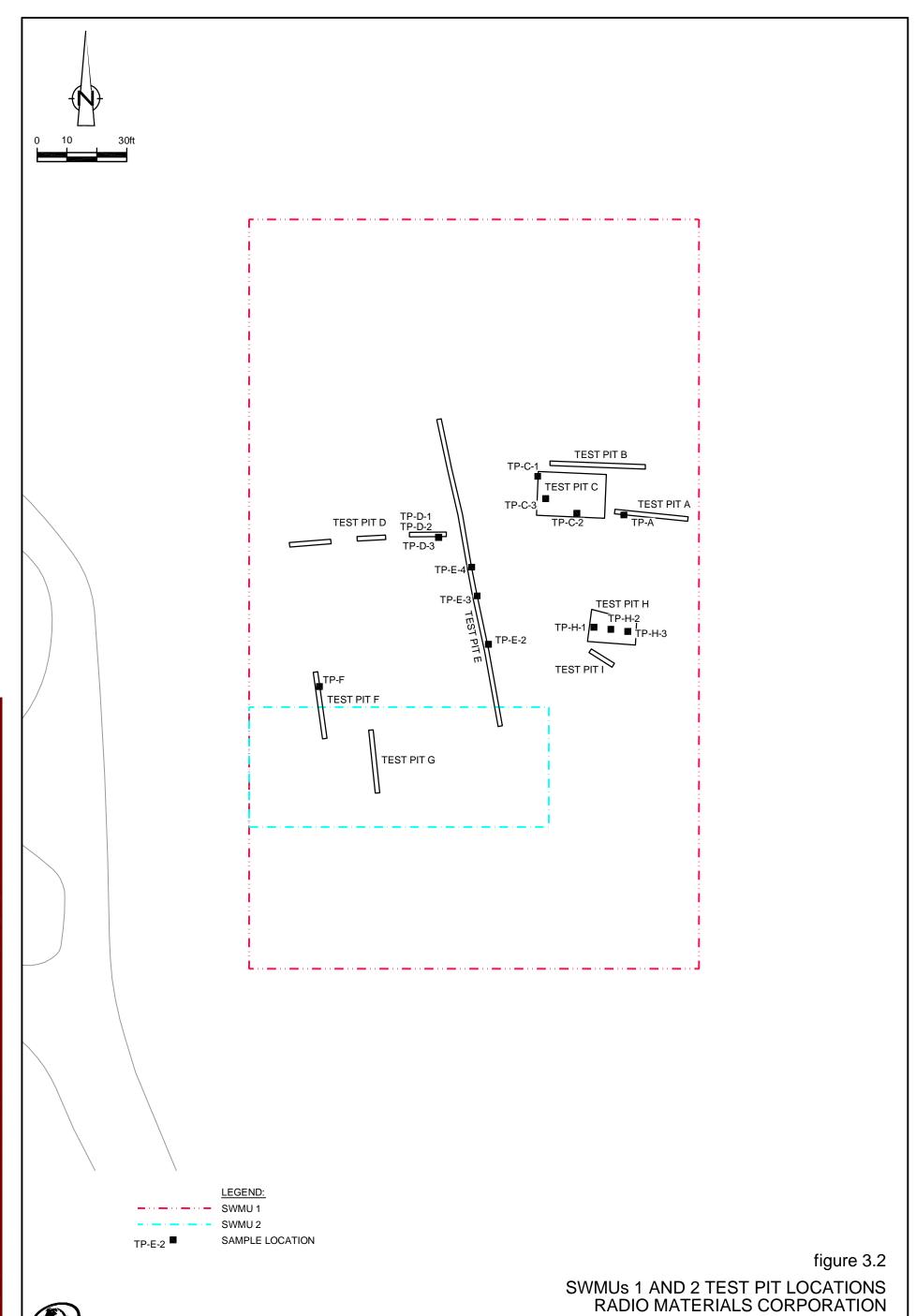
BEDROCK SURFACE TOPOGRAPHY IN THE SITE AREA RADIO MATERIALS CORPORATION Attica, Indiana



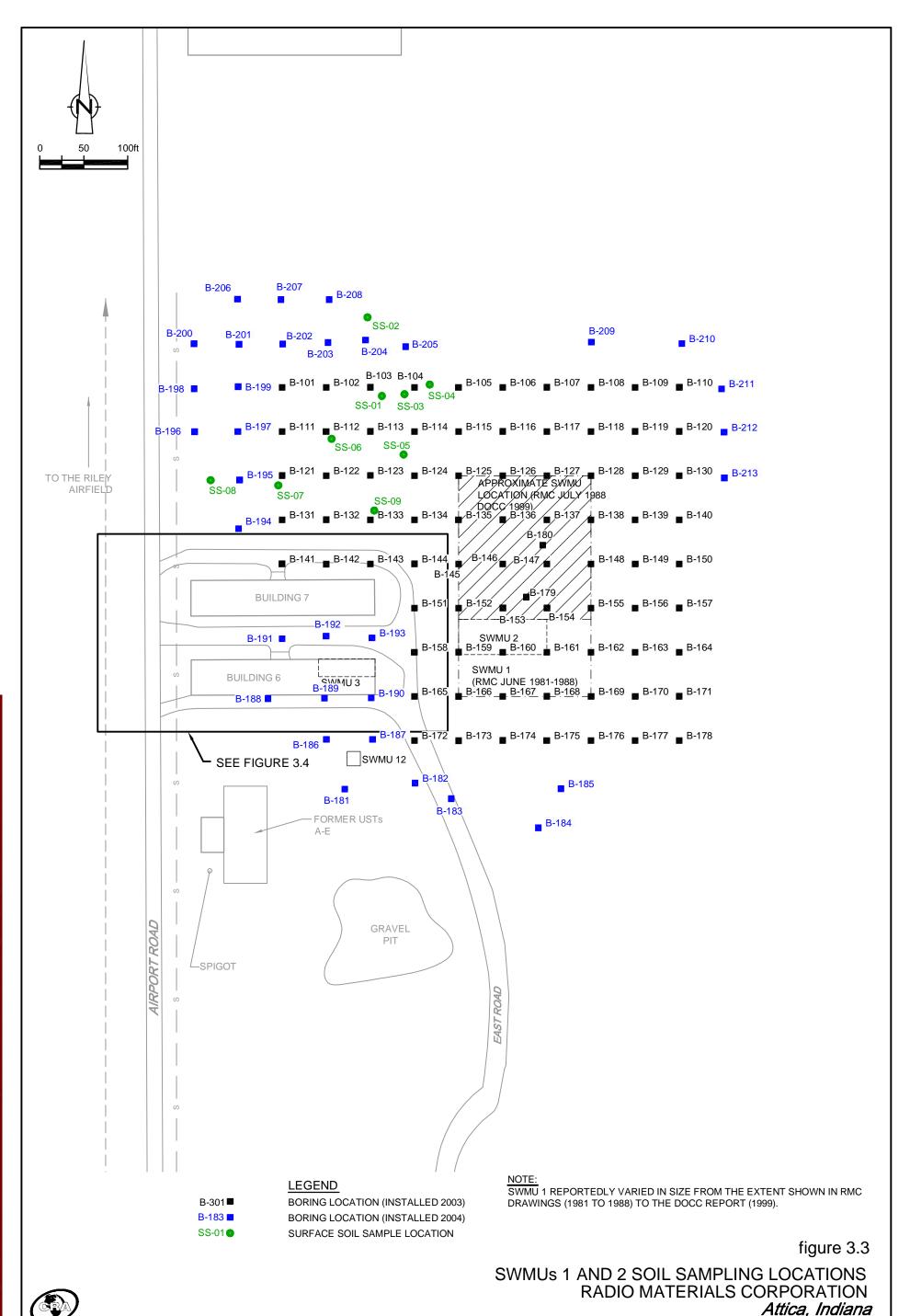


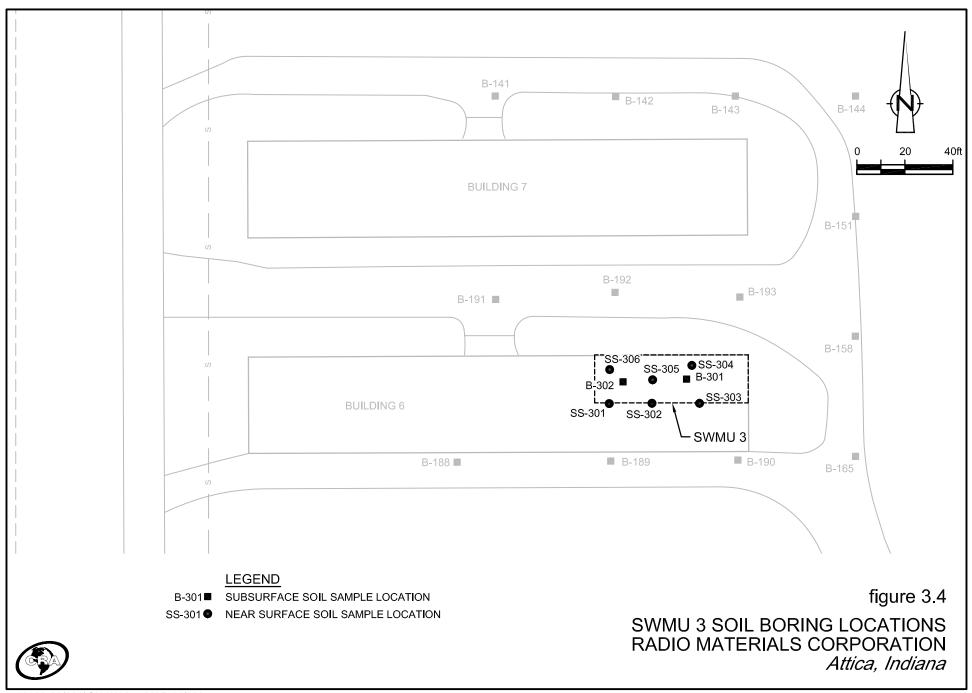


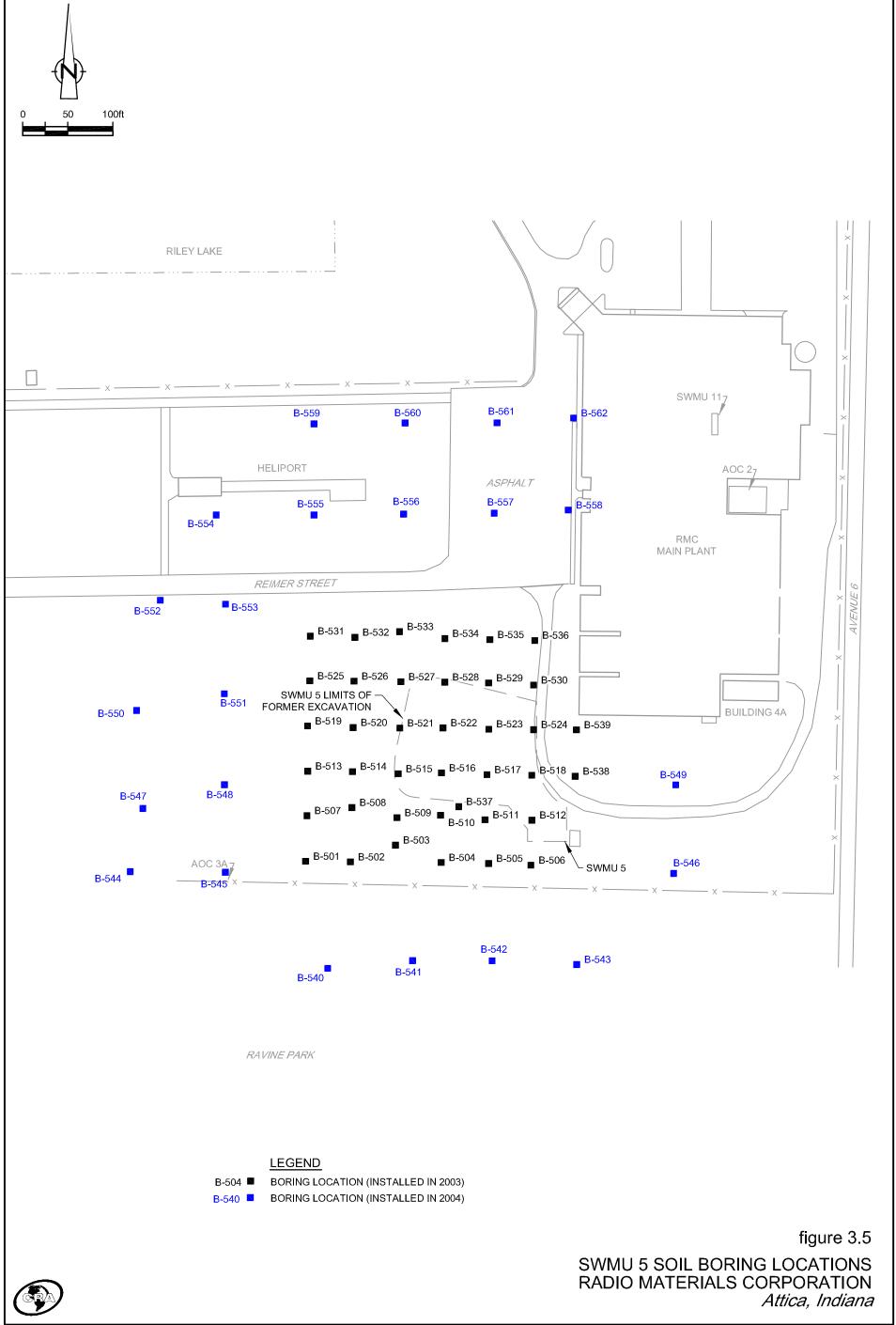


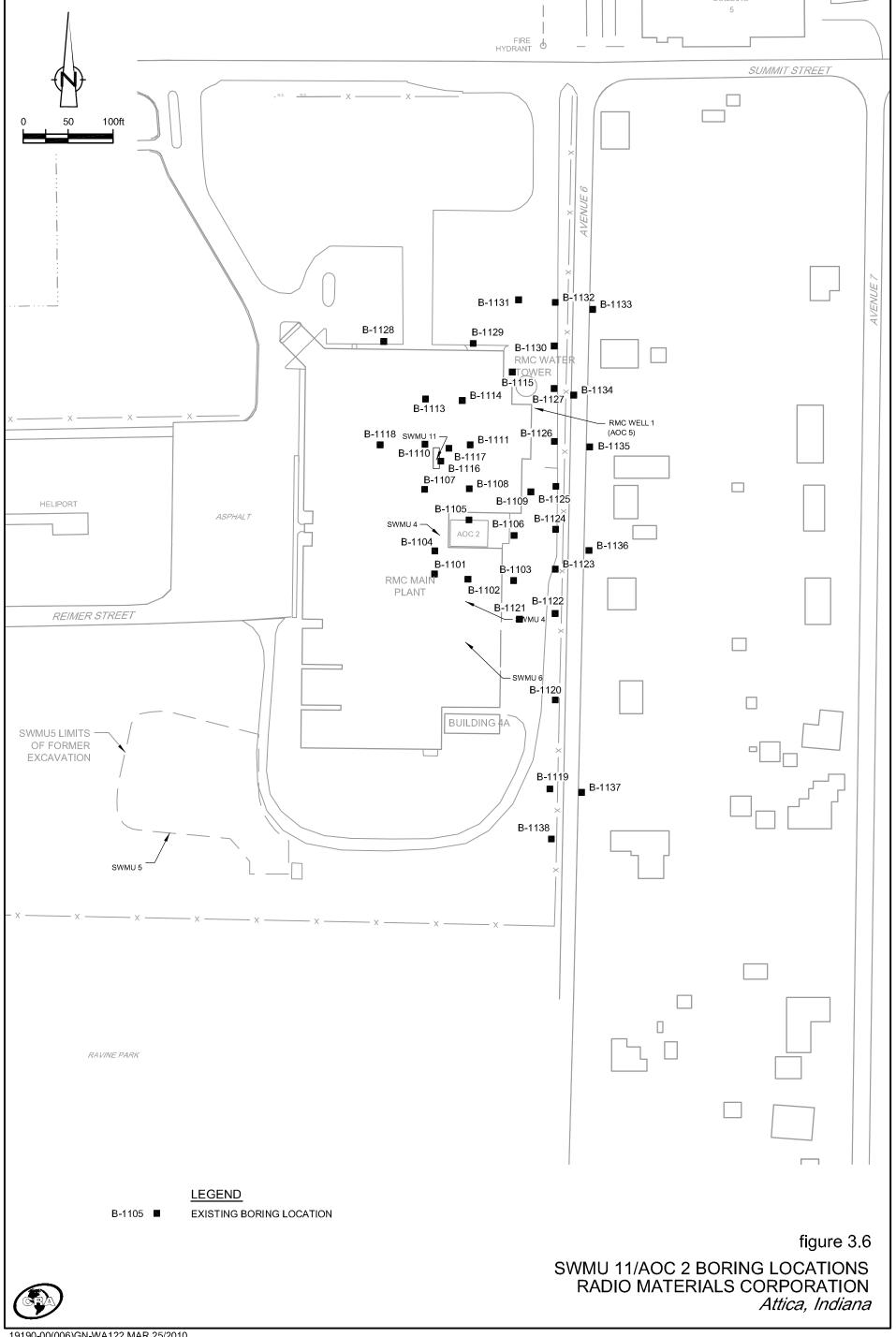


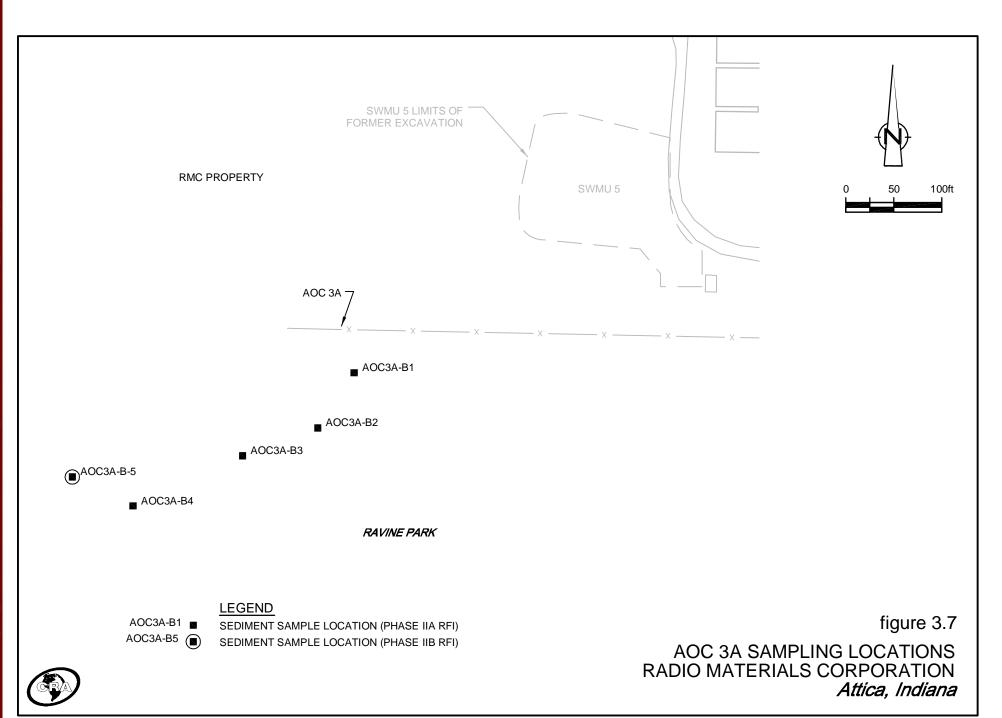
Attica, Indiana

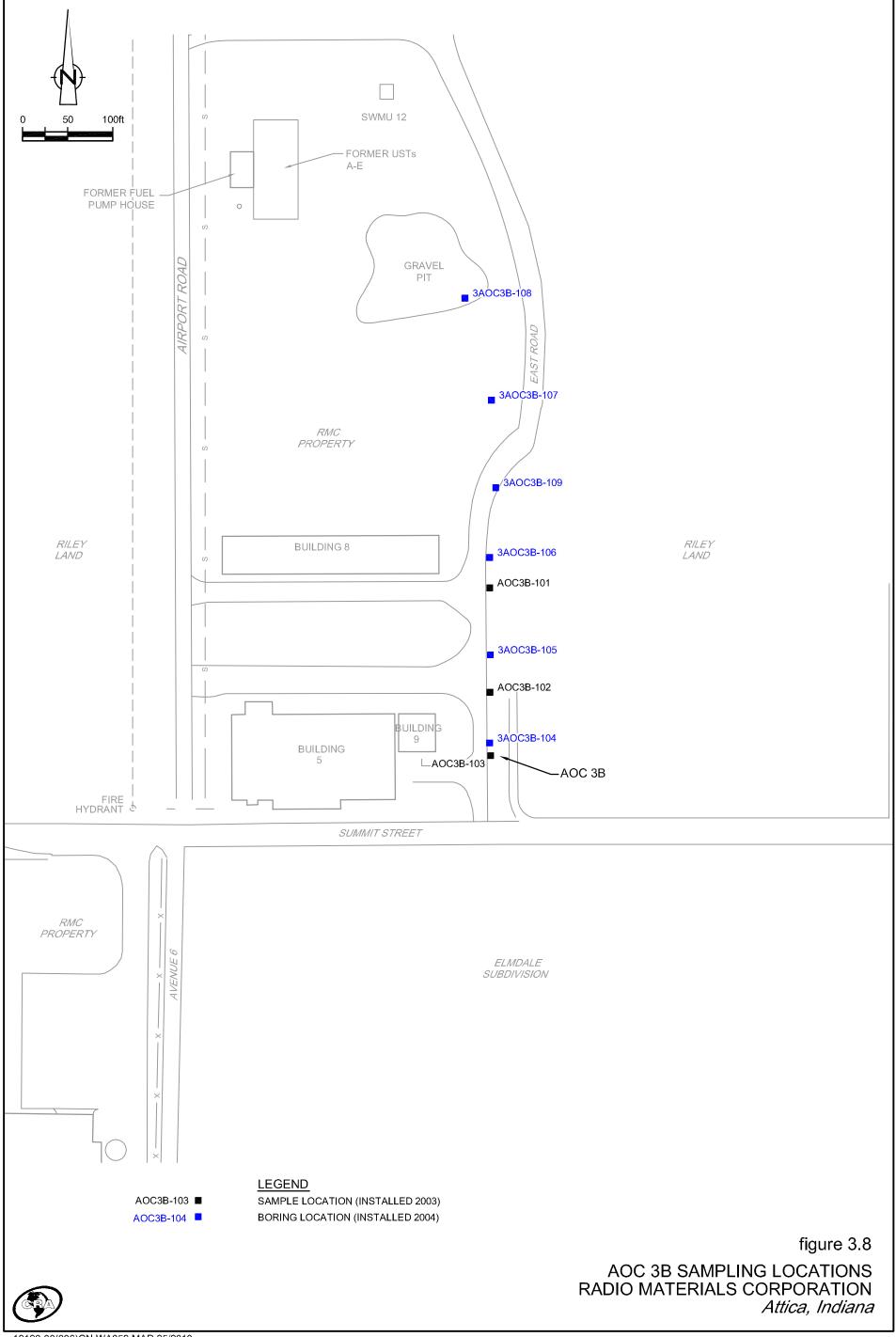




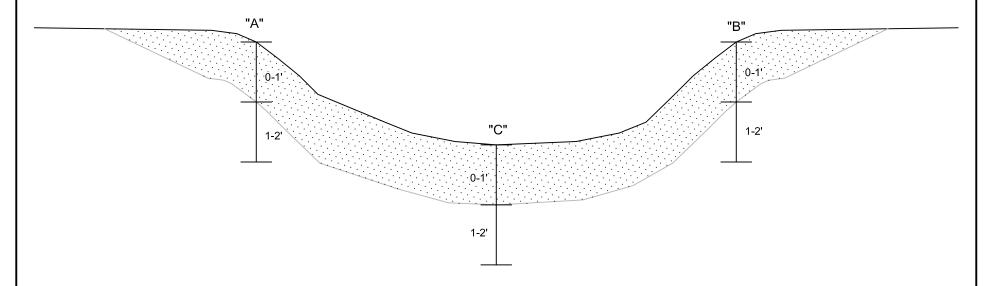












CROSS-SECTION

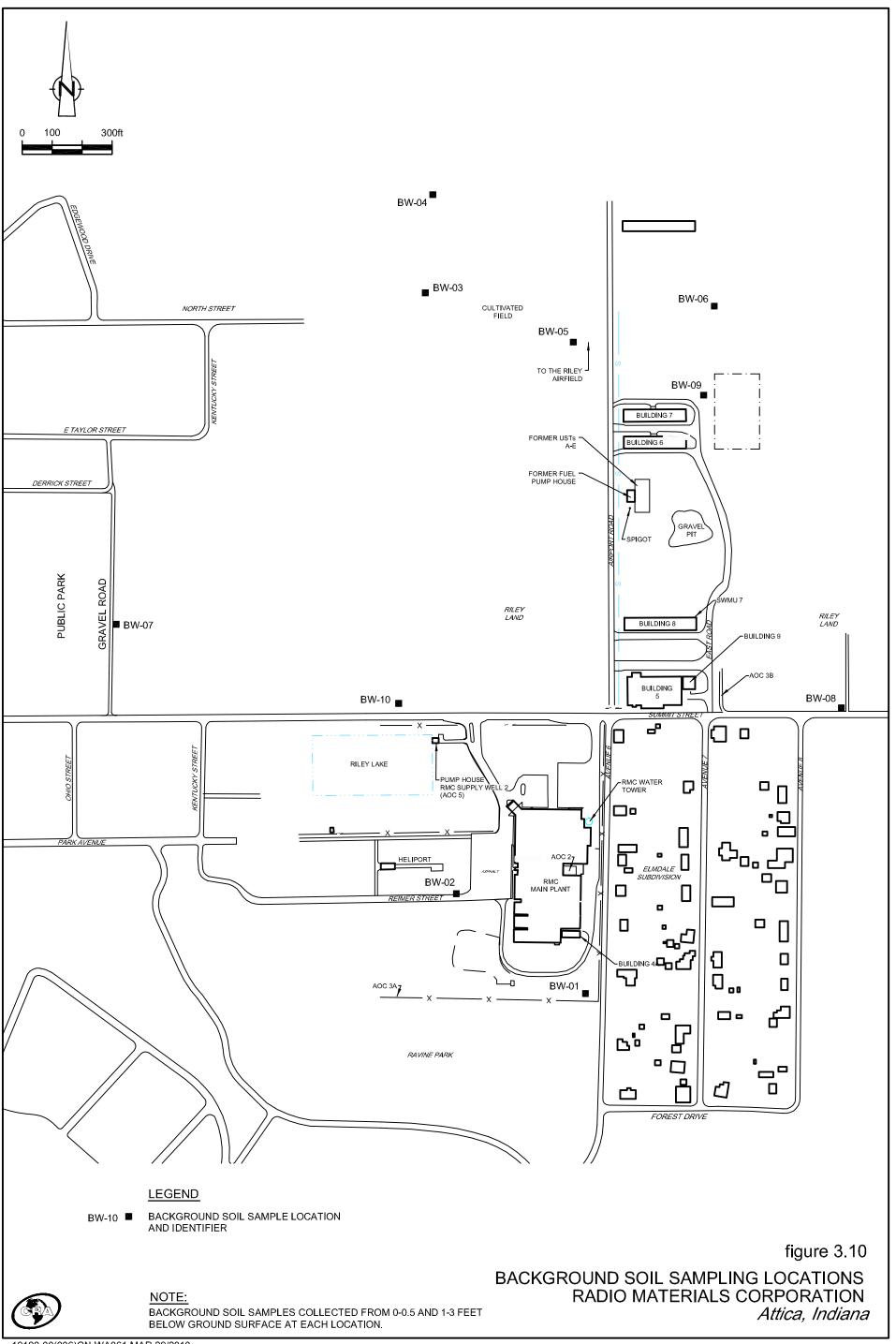
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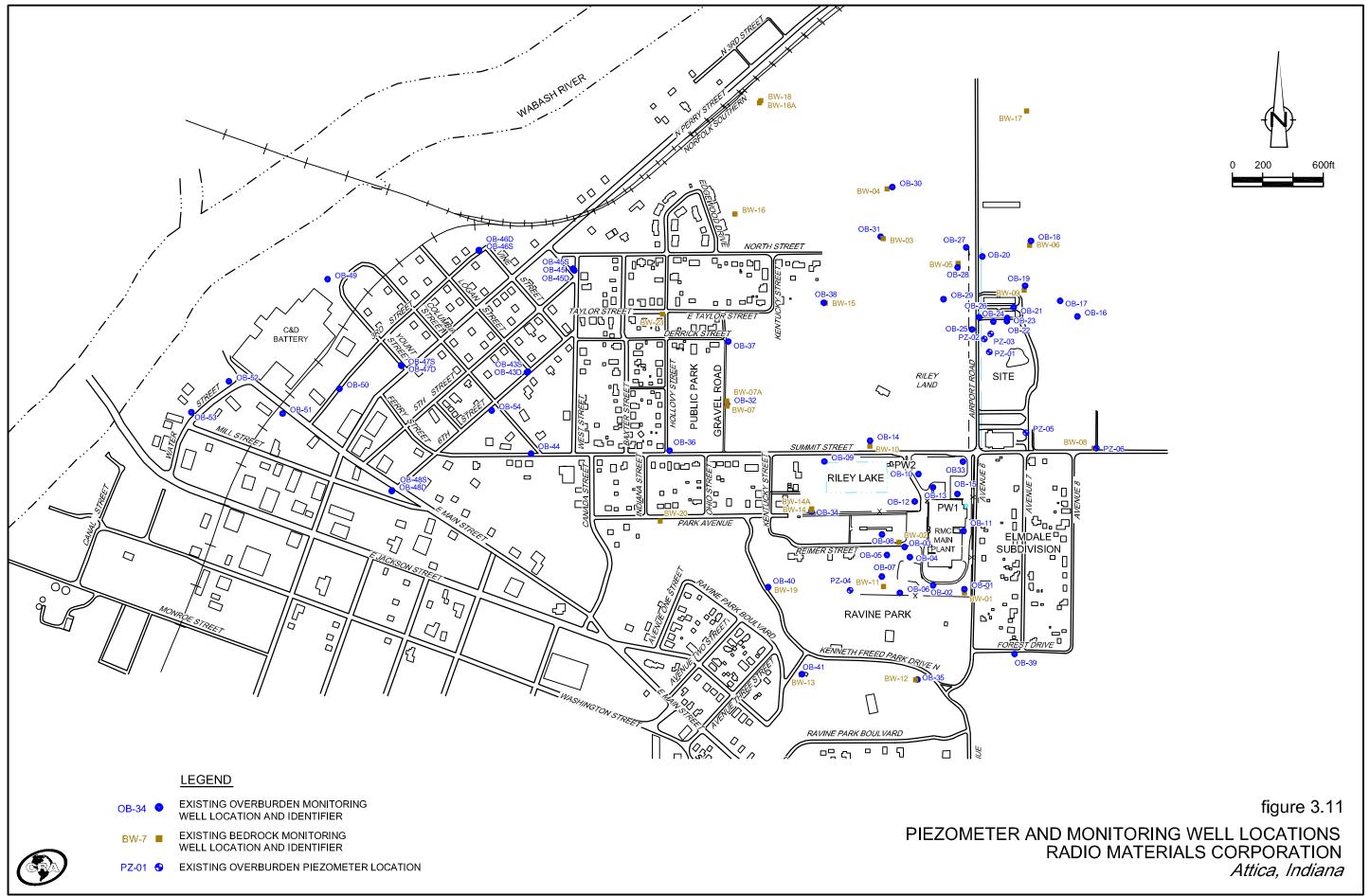
REPRESENTS LOCATIONS OF SOIL SAMPLES COLLECTED FROM SAMPLE LOCATIONS IDENTIFIED AS AOC3B-104 THROUGH AOC3B-109 SHOWN ON FIGURE 3.8

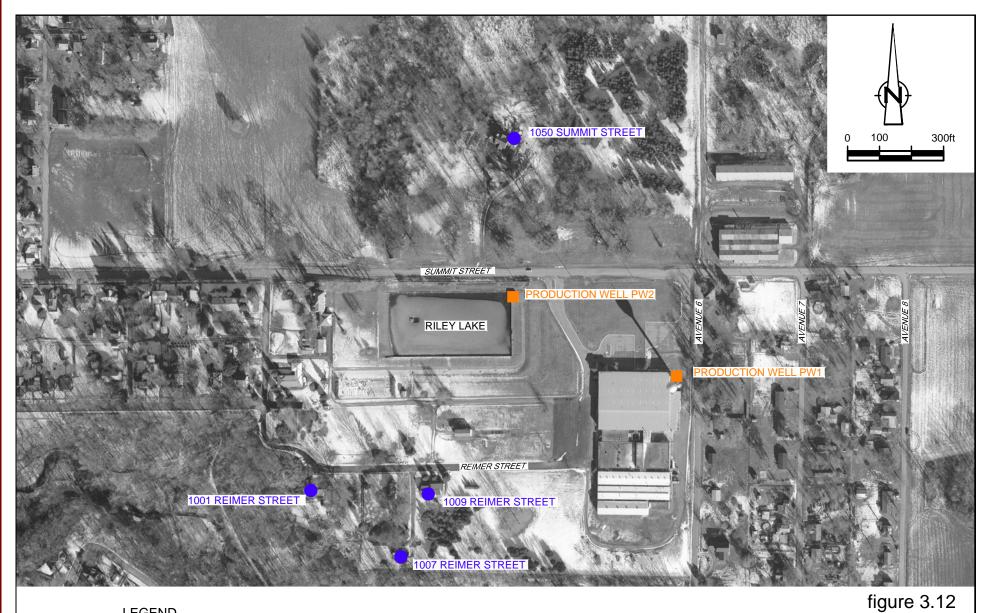


AOC3B PERPENDICULAR SOIL SAMPLING LOCATIONS RADIO MATERIALS CORPORATION Attica, Indiana









<u>LEGEND</u>

RESIDENTIAL SAMPLE LOCATIONPRODUCTION WELL LOCATION

RESIDENTIAL WATER AND PRODUCTION WELL SAMPLING LOCATIONS RADIO MATERIALS CORPORATION Attica, Indiana



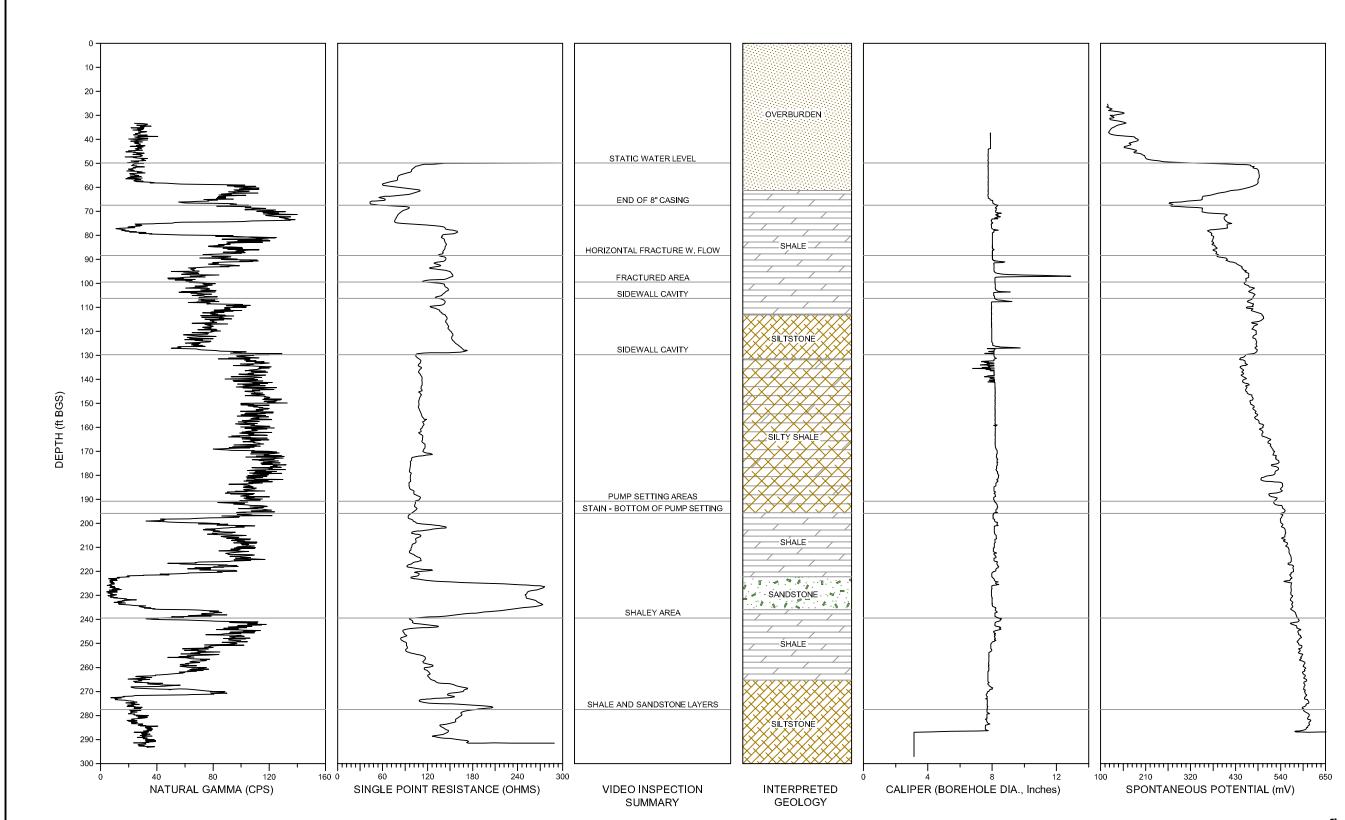
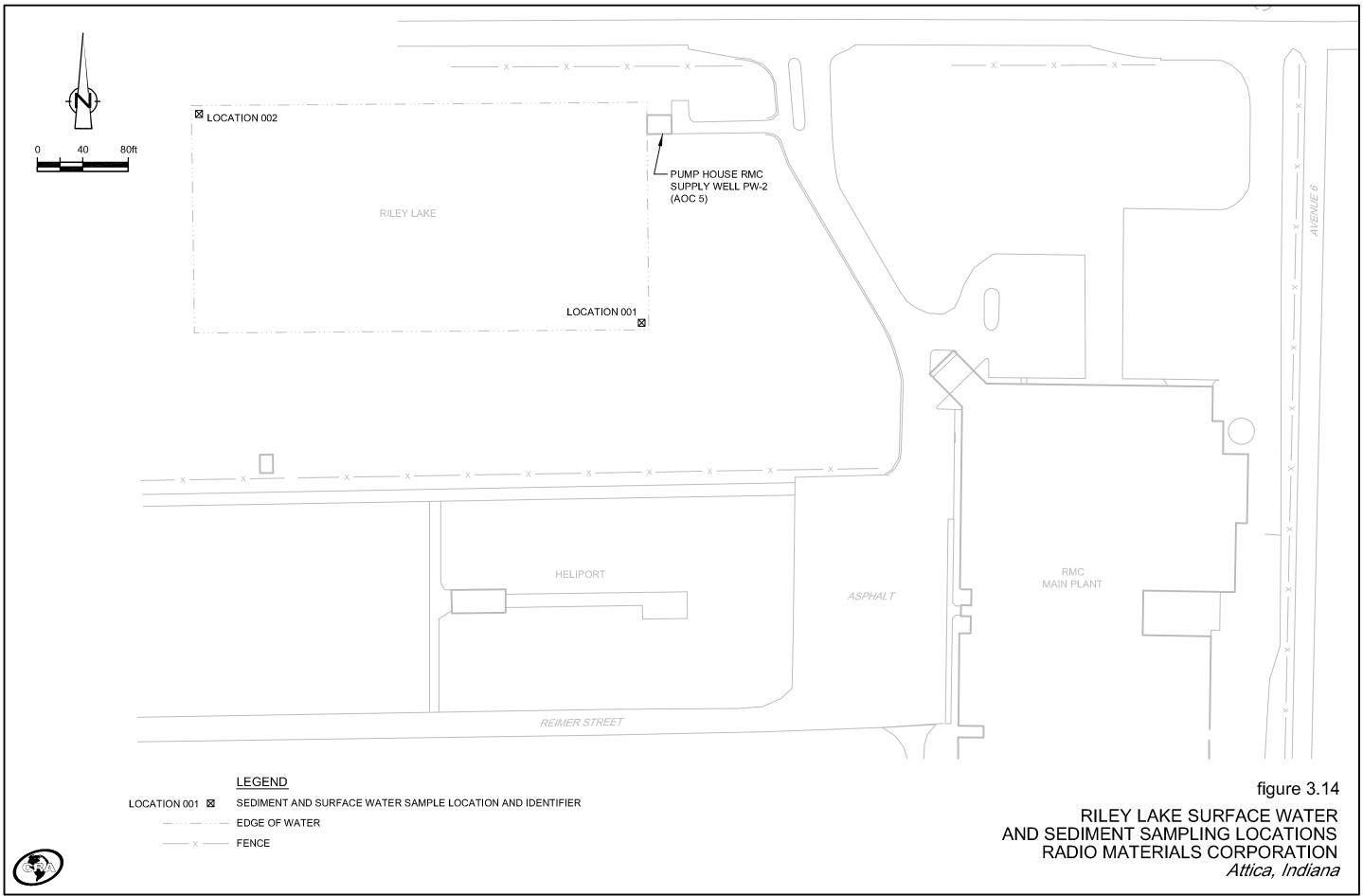
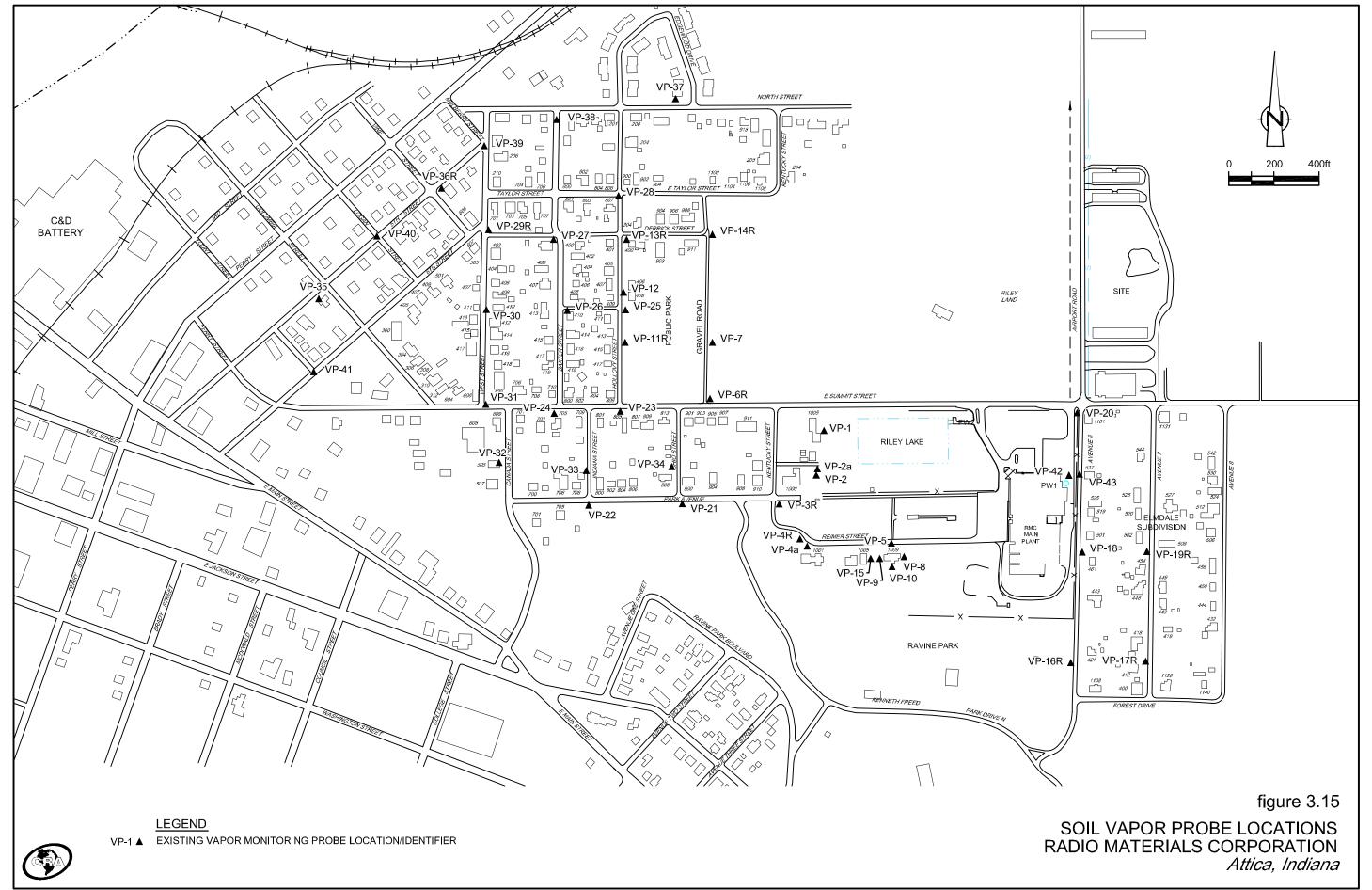


figure 3.13



DOWNHOLE GEOPHYSICAL DATA FOR PRODUCTION WELL 2 RADIO MATERIALS CORPORATION Attica, Indiana





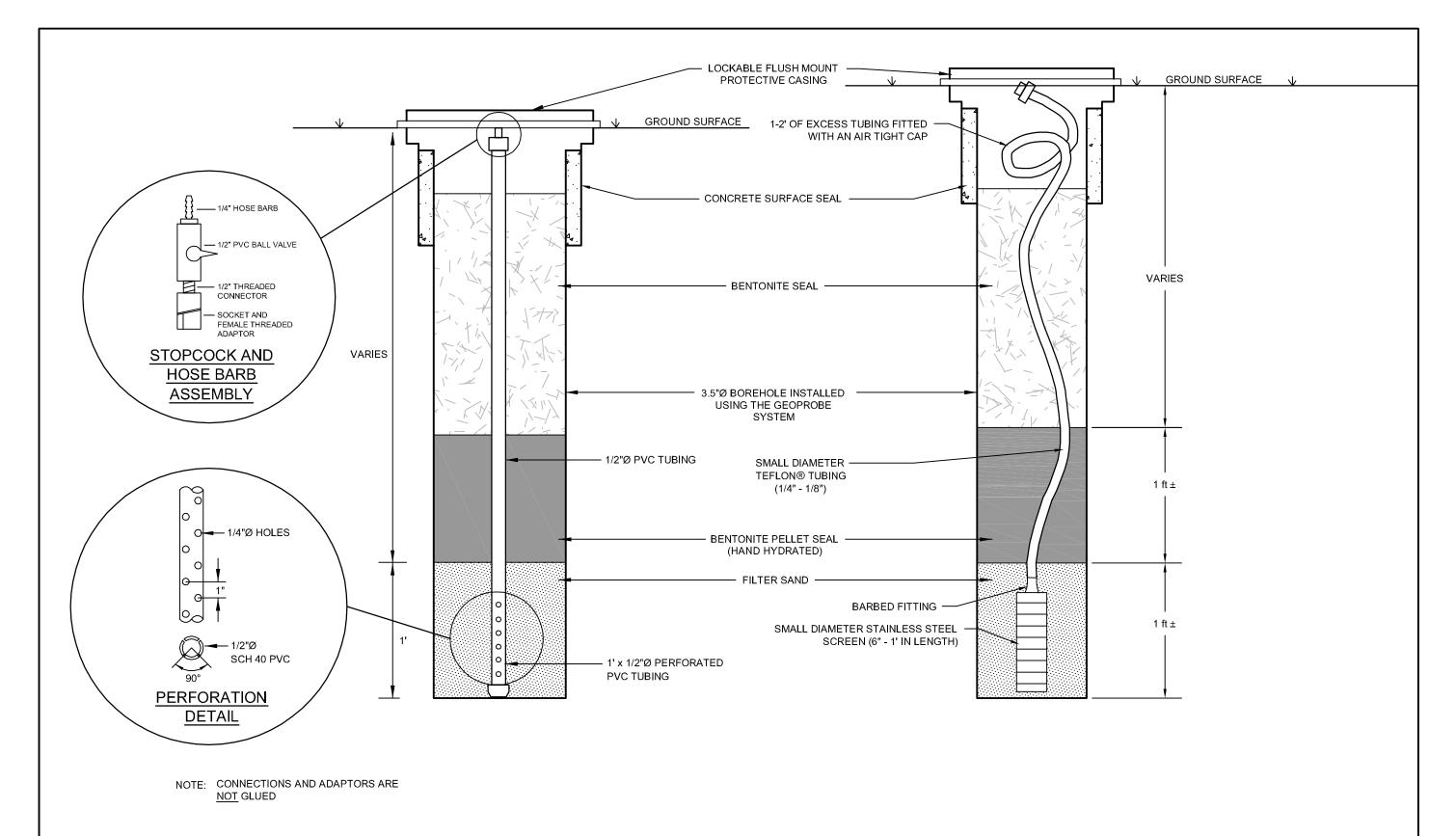
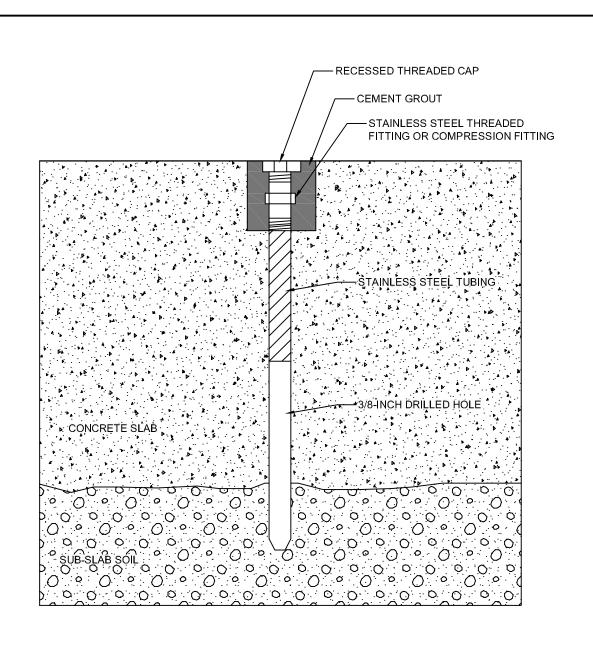


figure 3.16

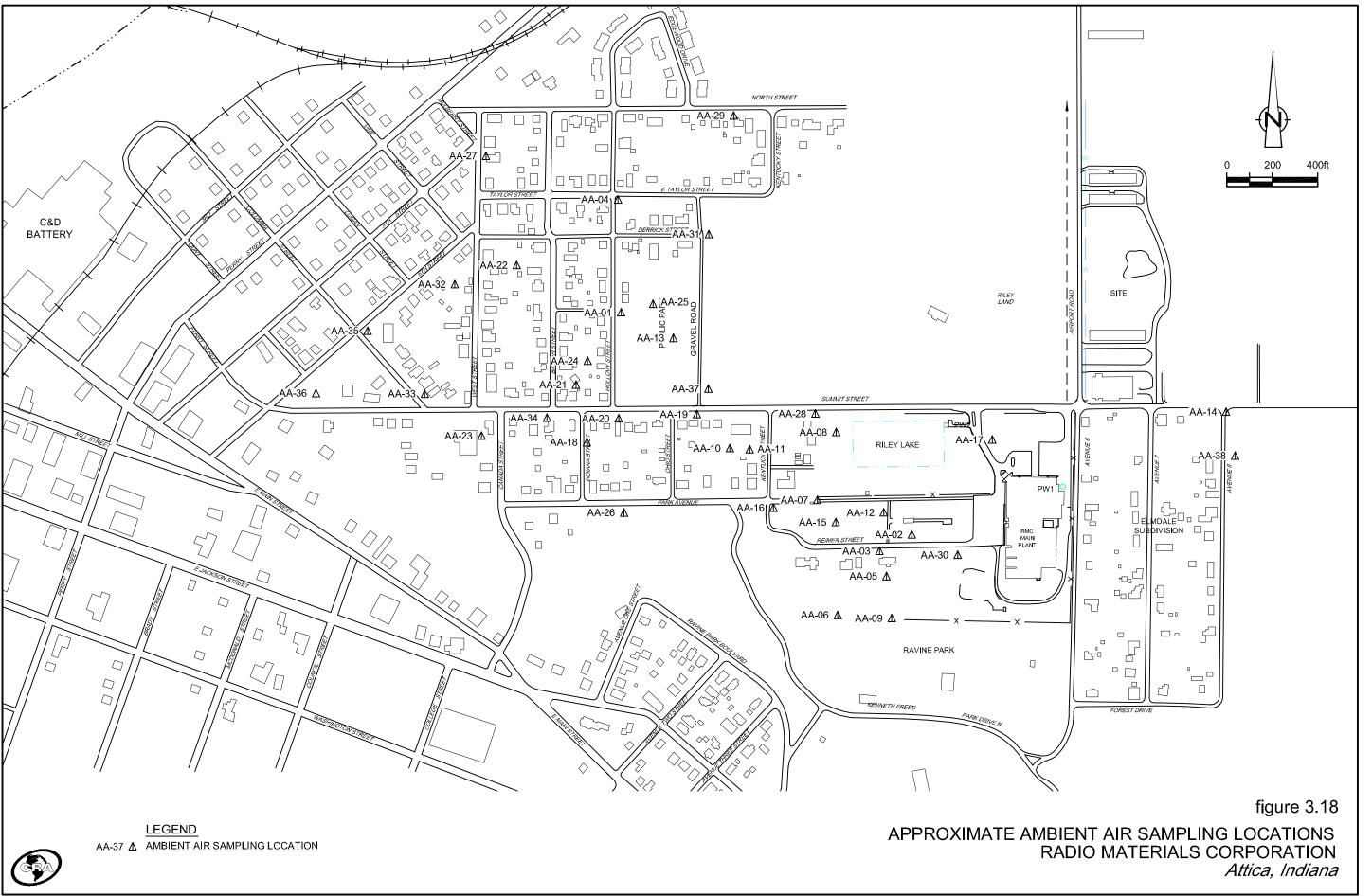
TYPICAL SOIL VAPOR PROBE DETAIL RADIO MATERIALS CORPORATION *Attica, Indiana*

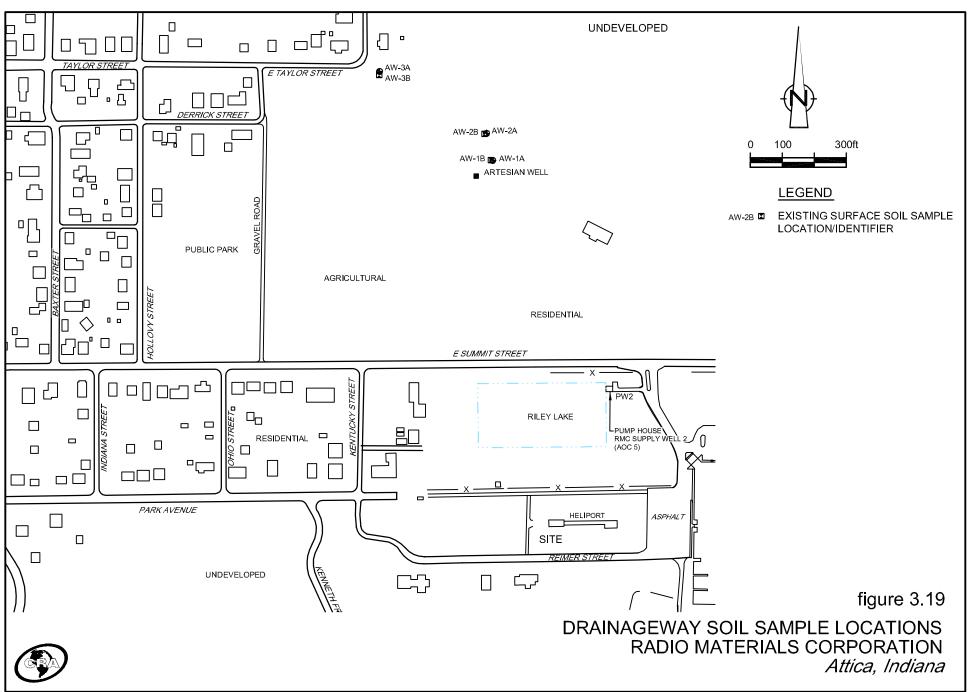


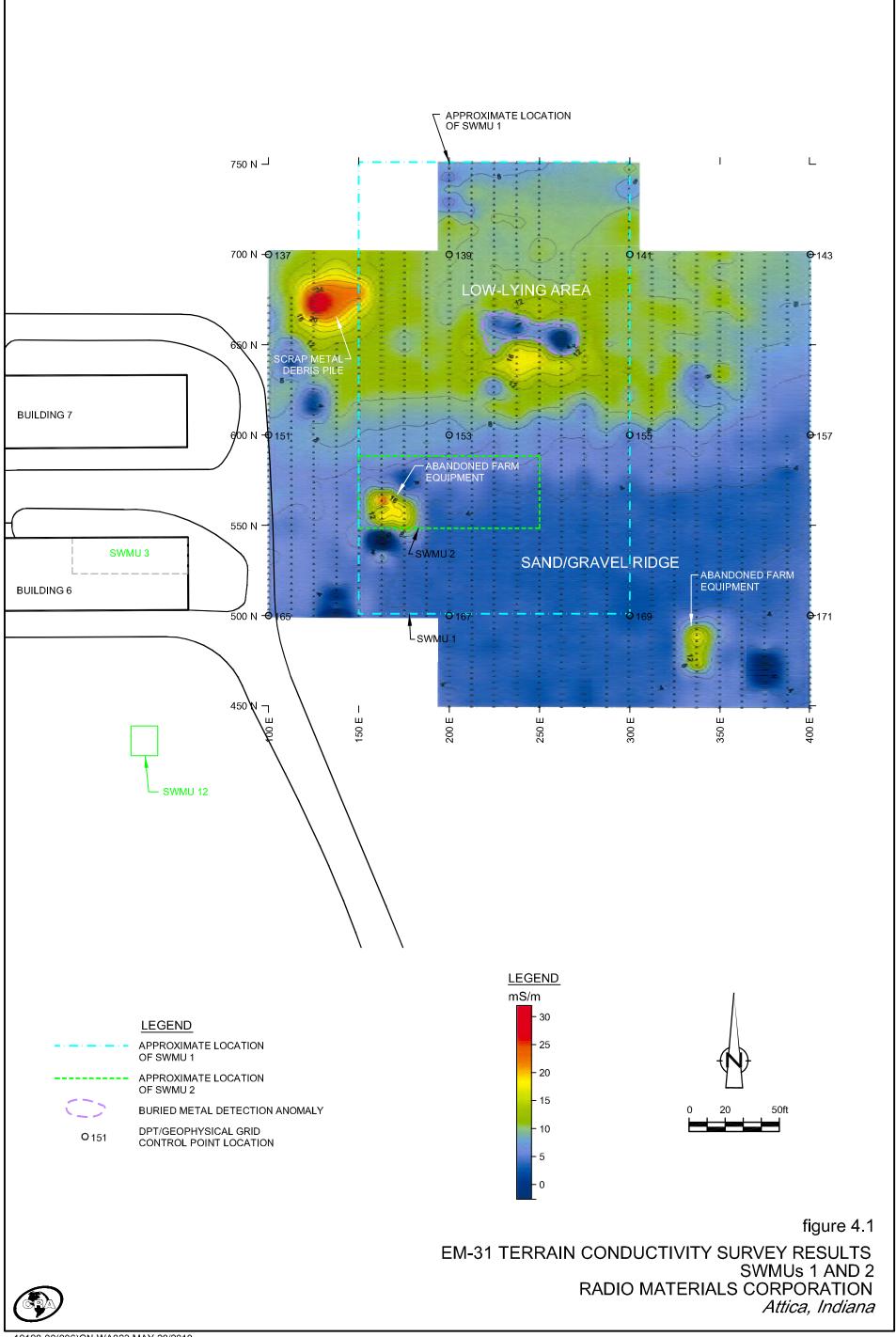


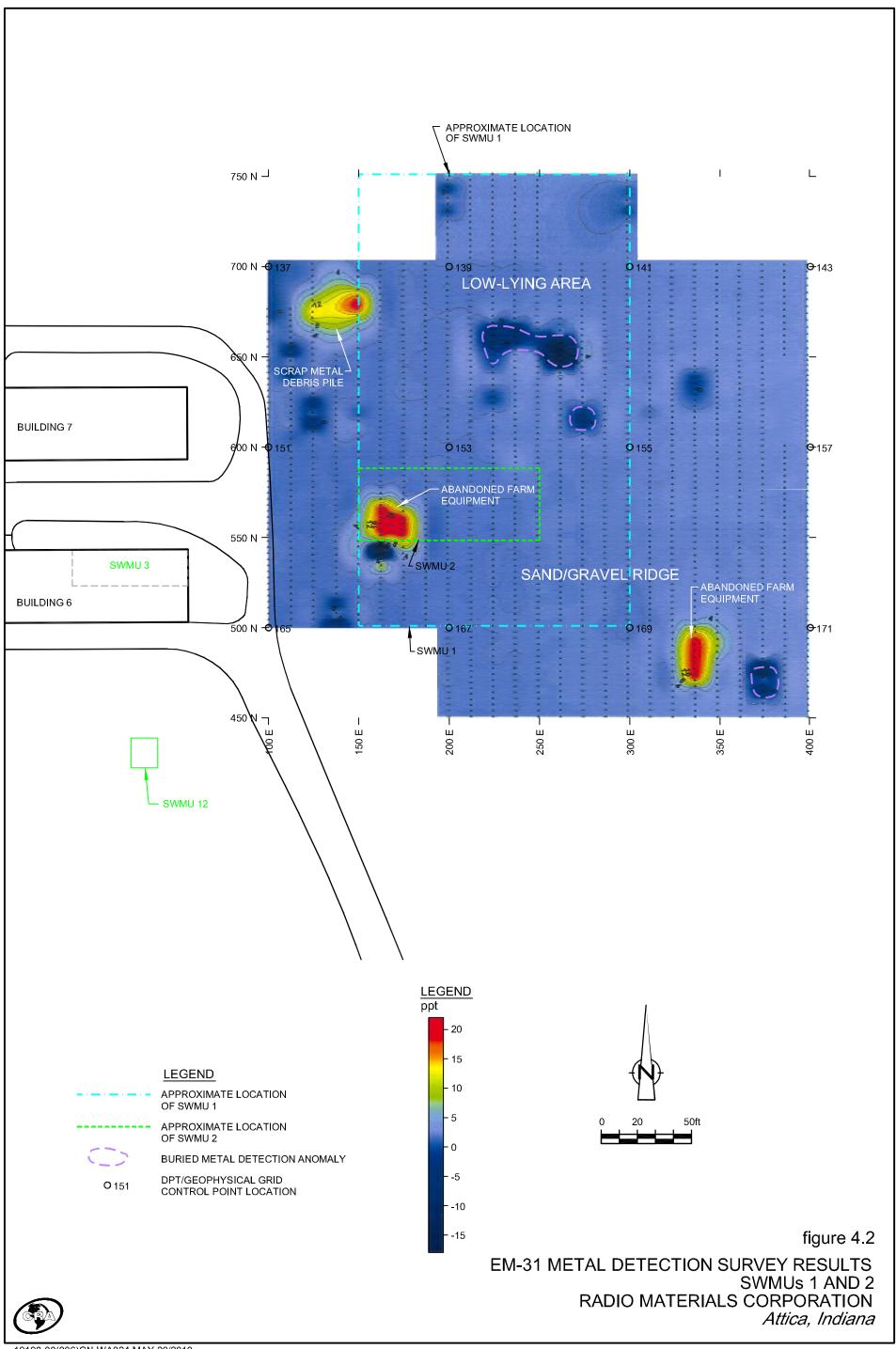


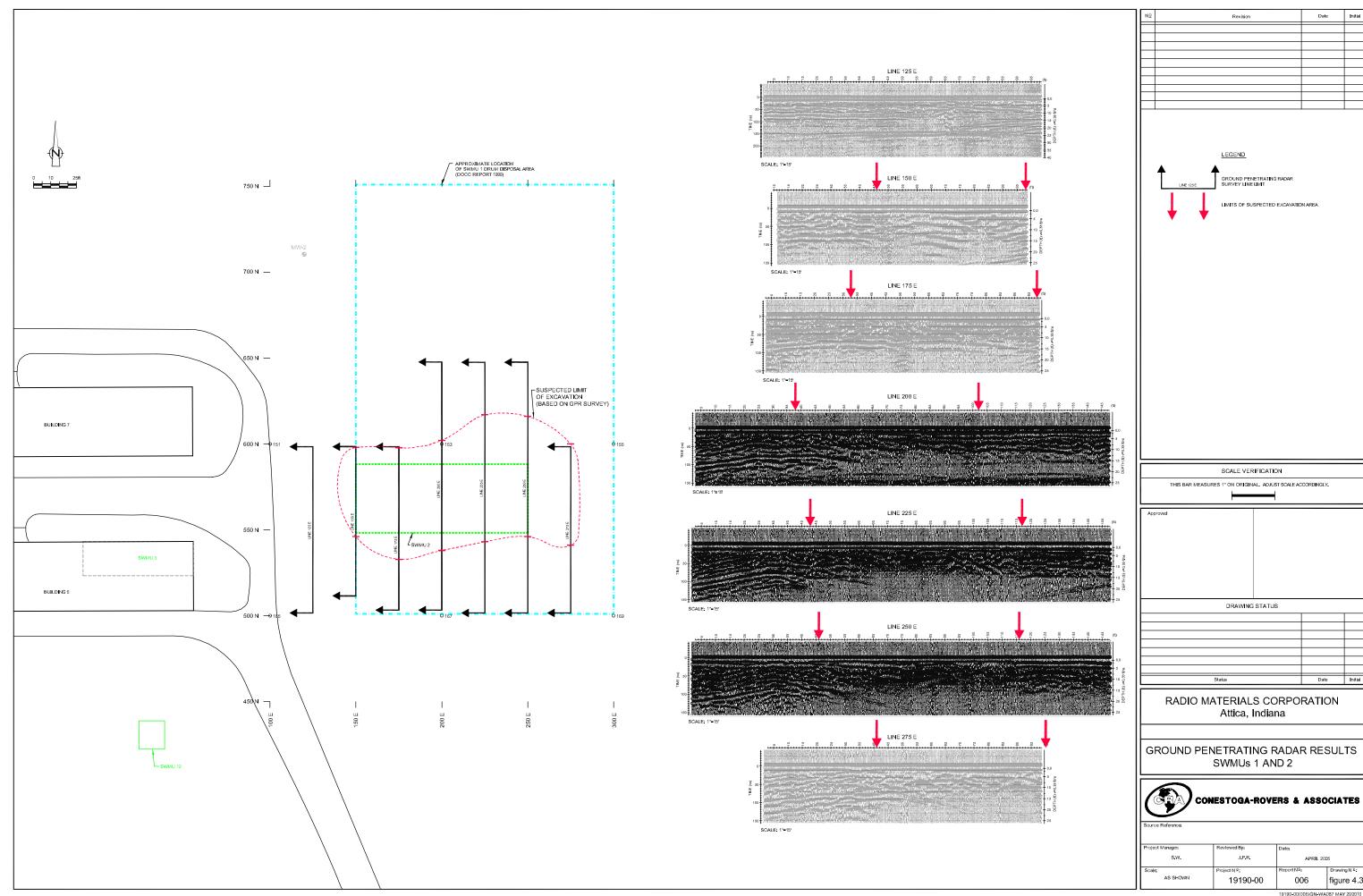
TYPICAL SUBSLAB PROBE CONSTRUCTION DETAIL RADIO MATERIALS CORPORATION Attica, Indiana

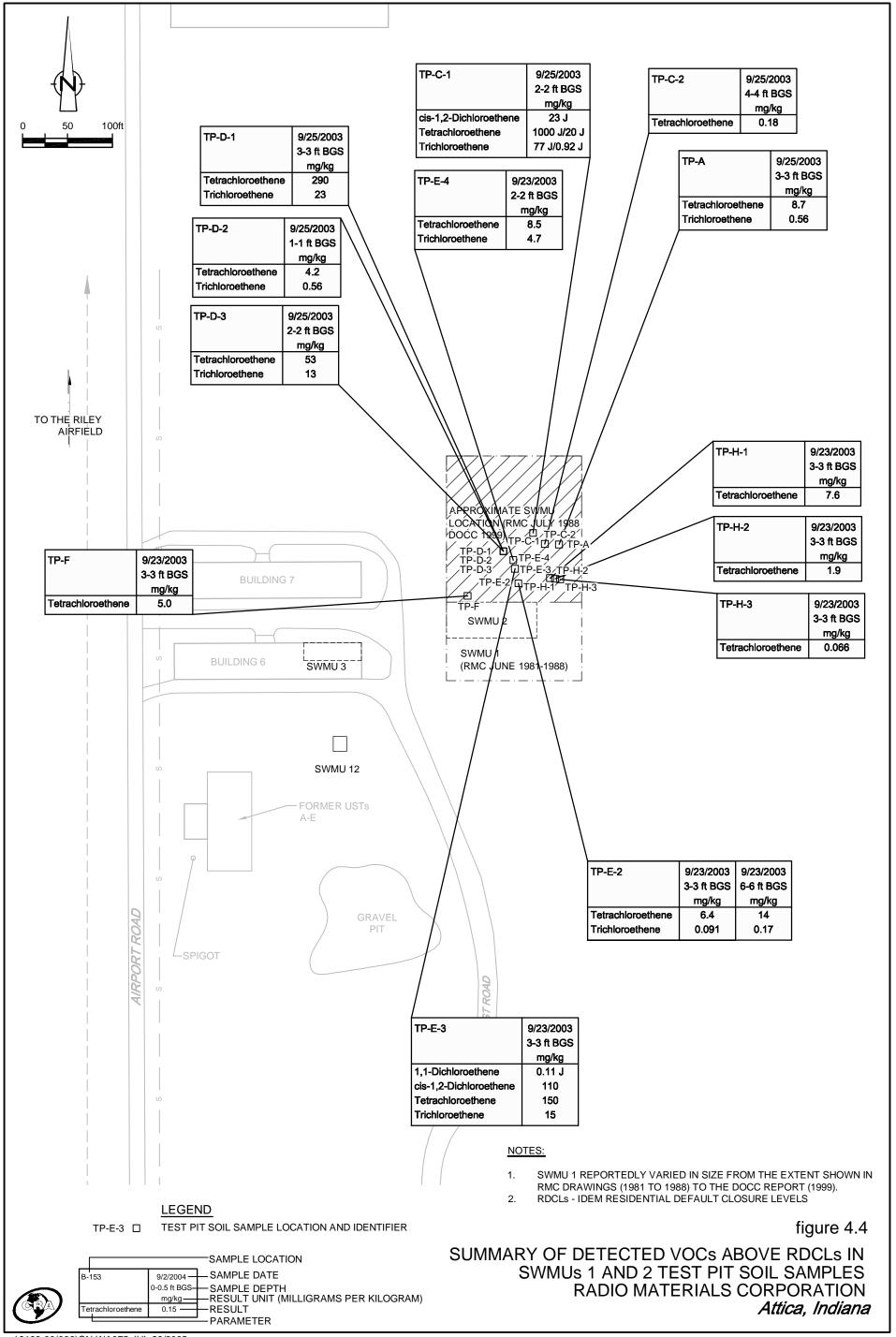


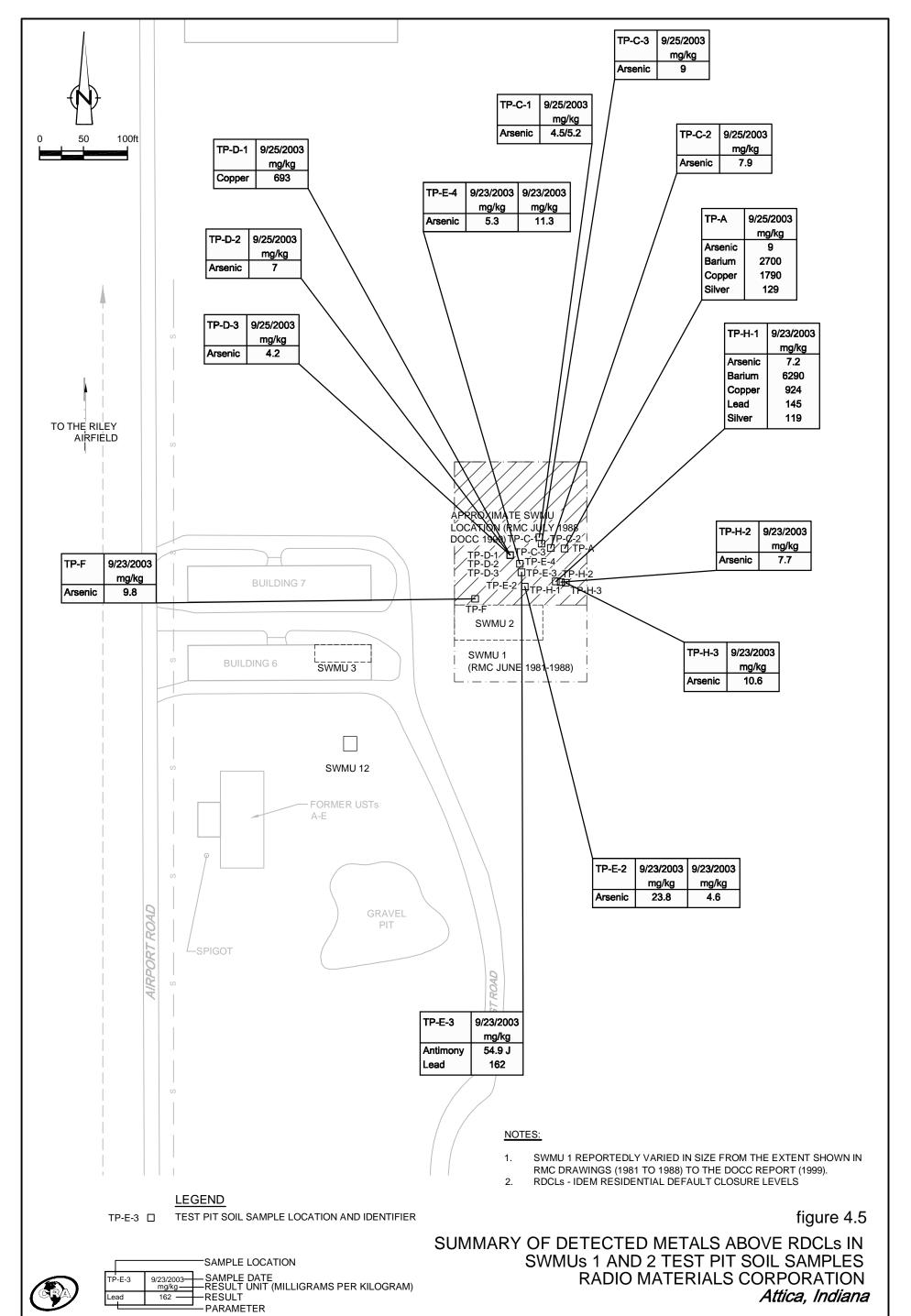


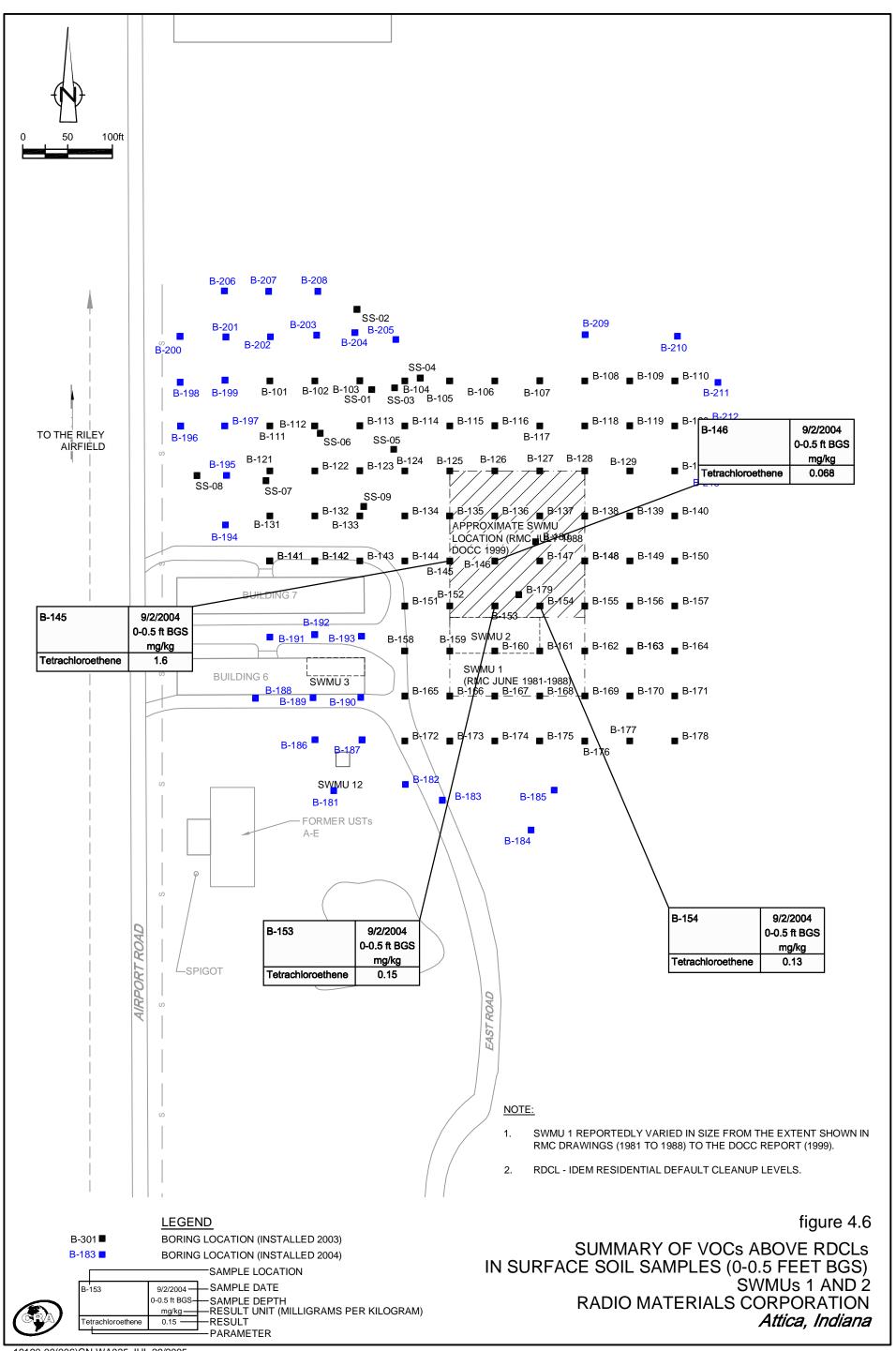


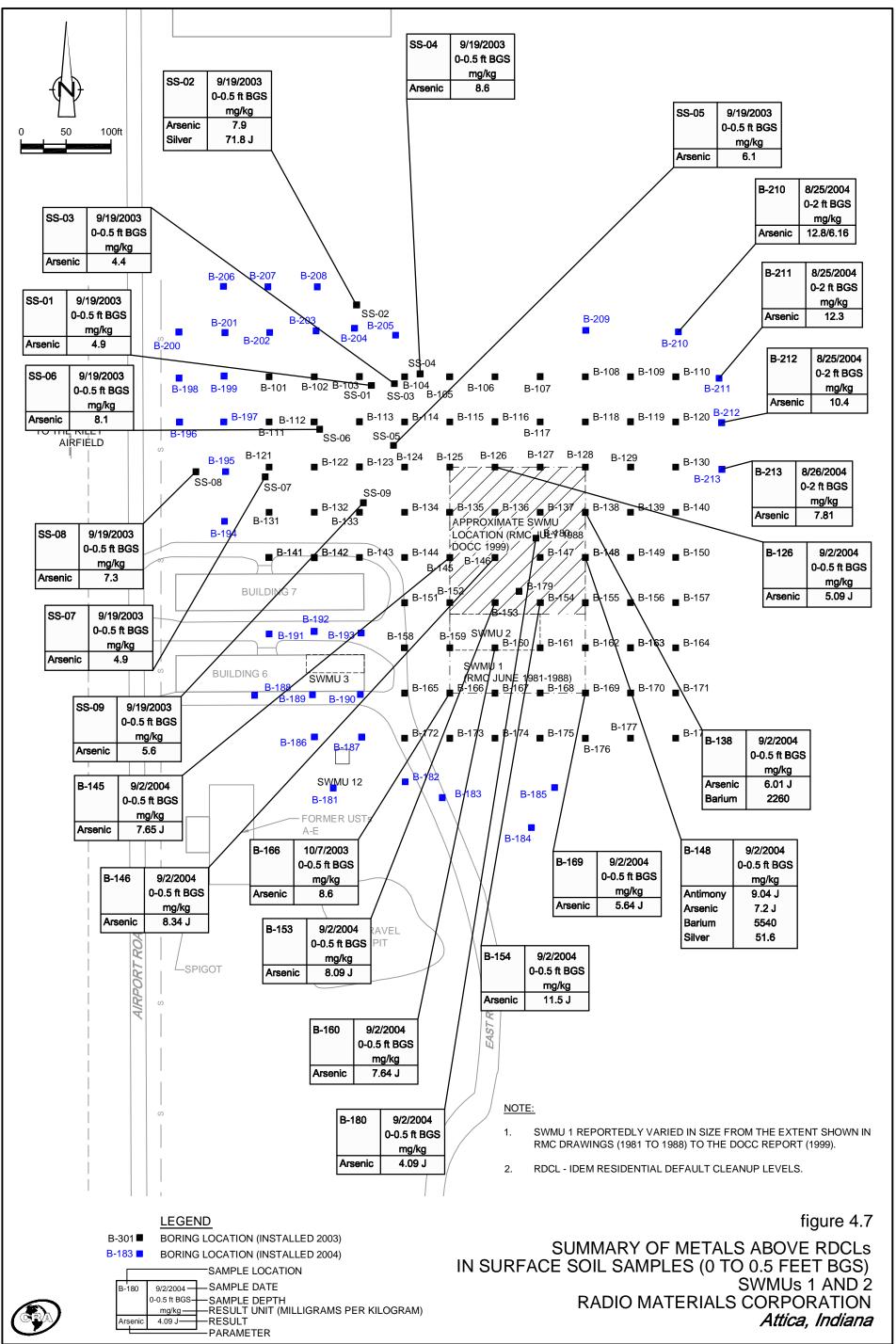


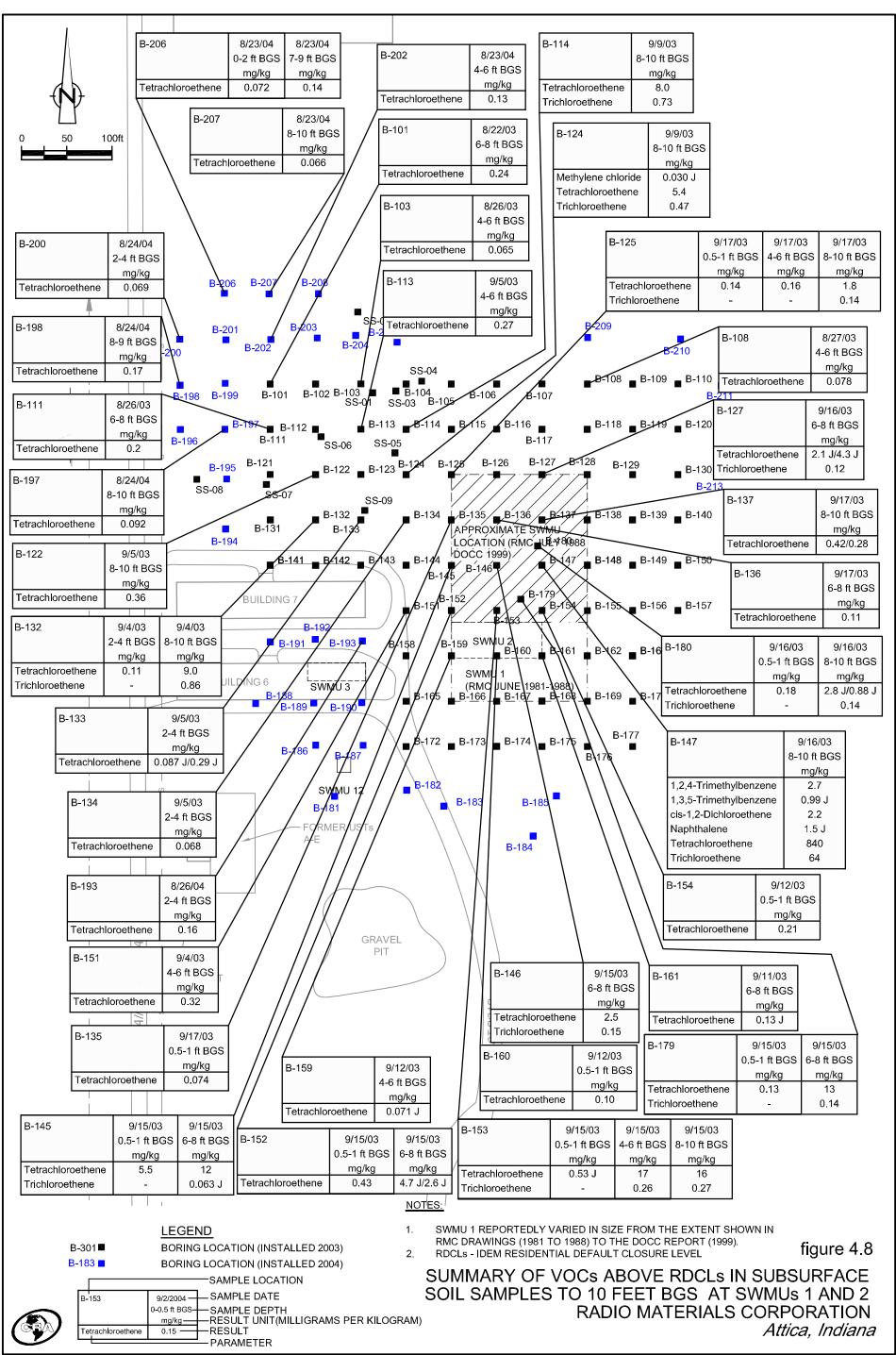


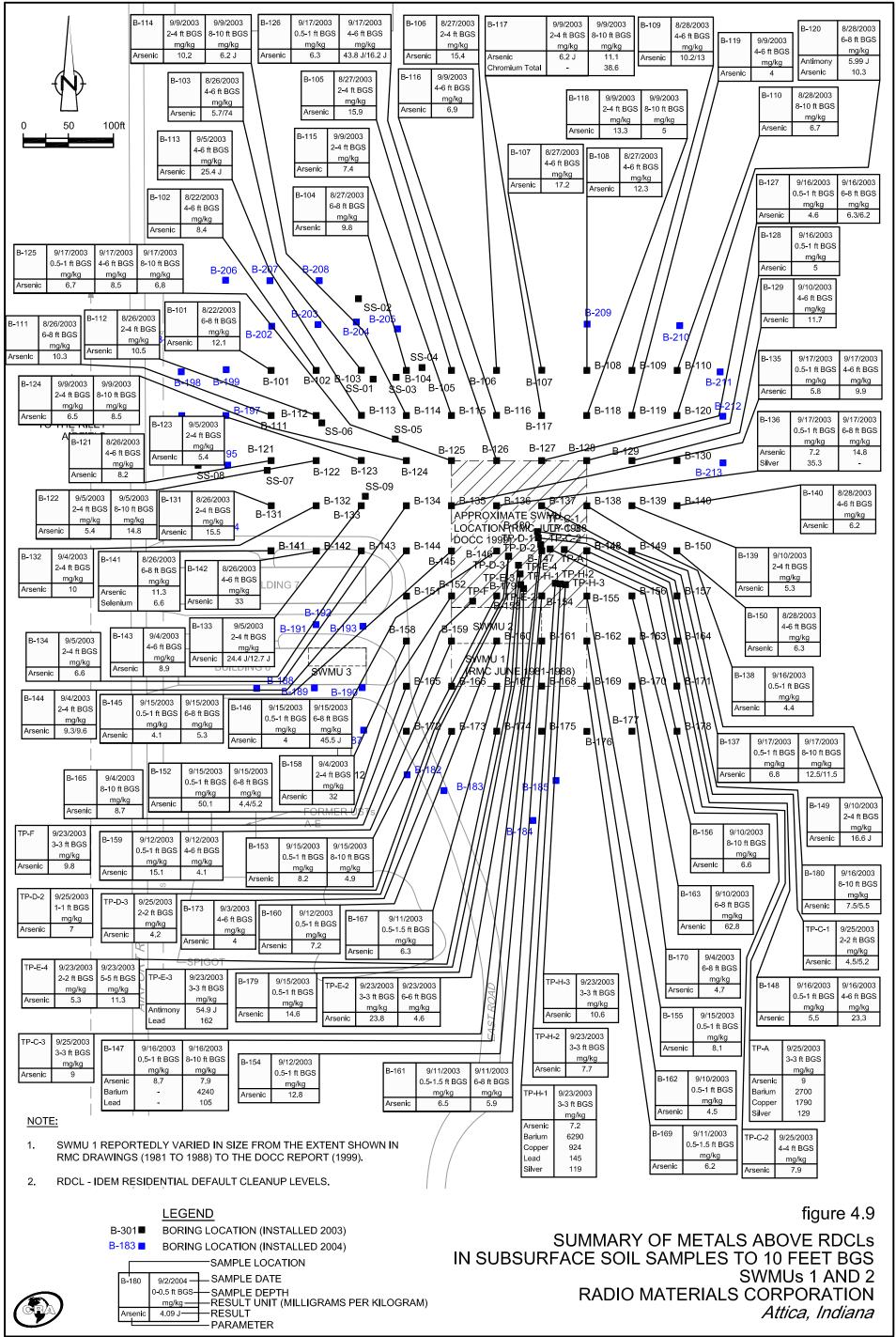


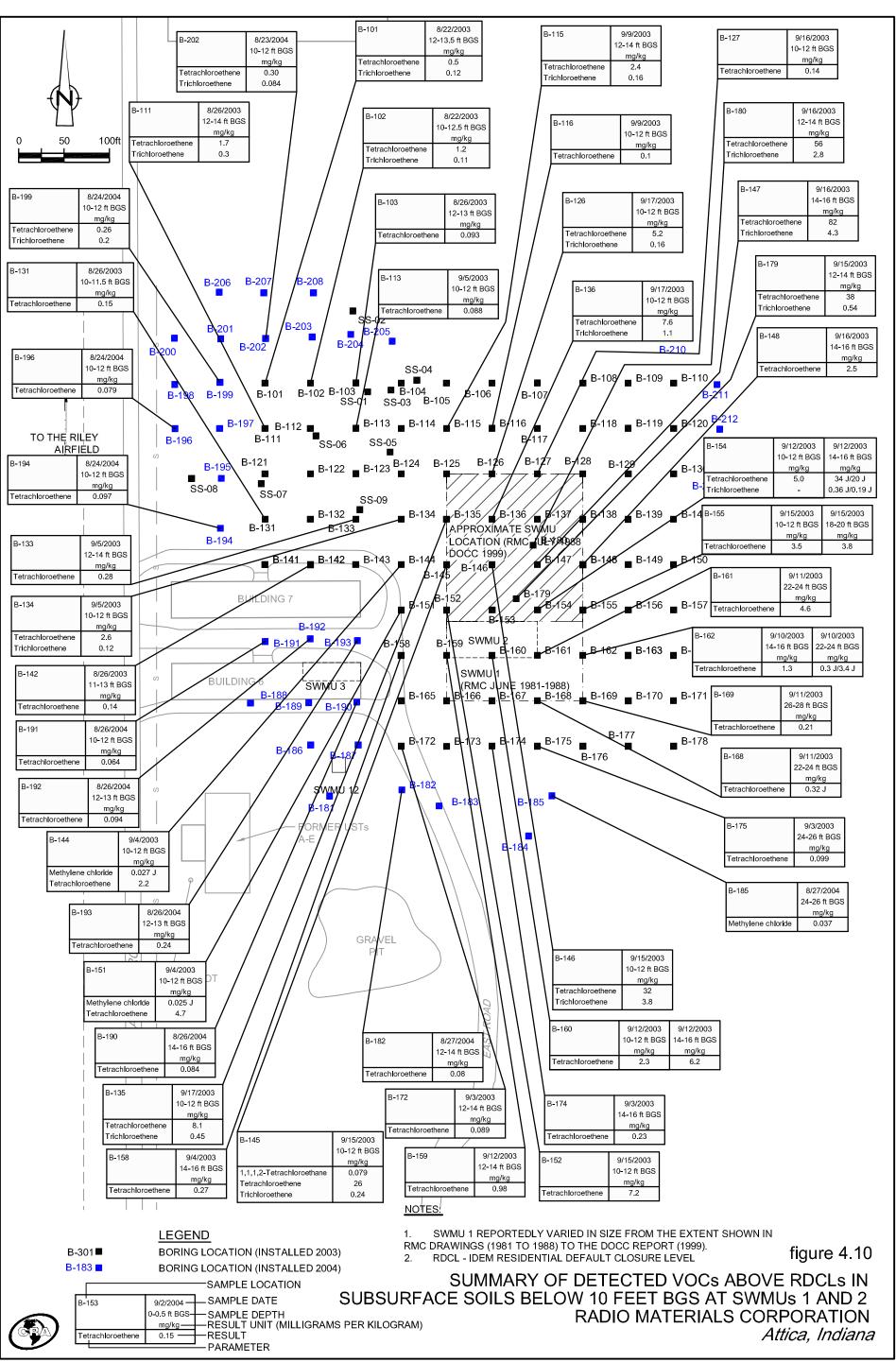


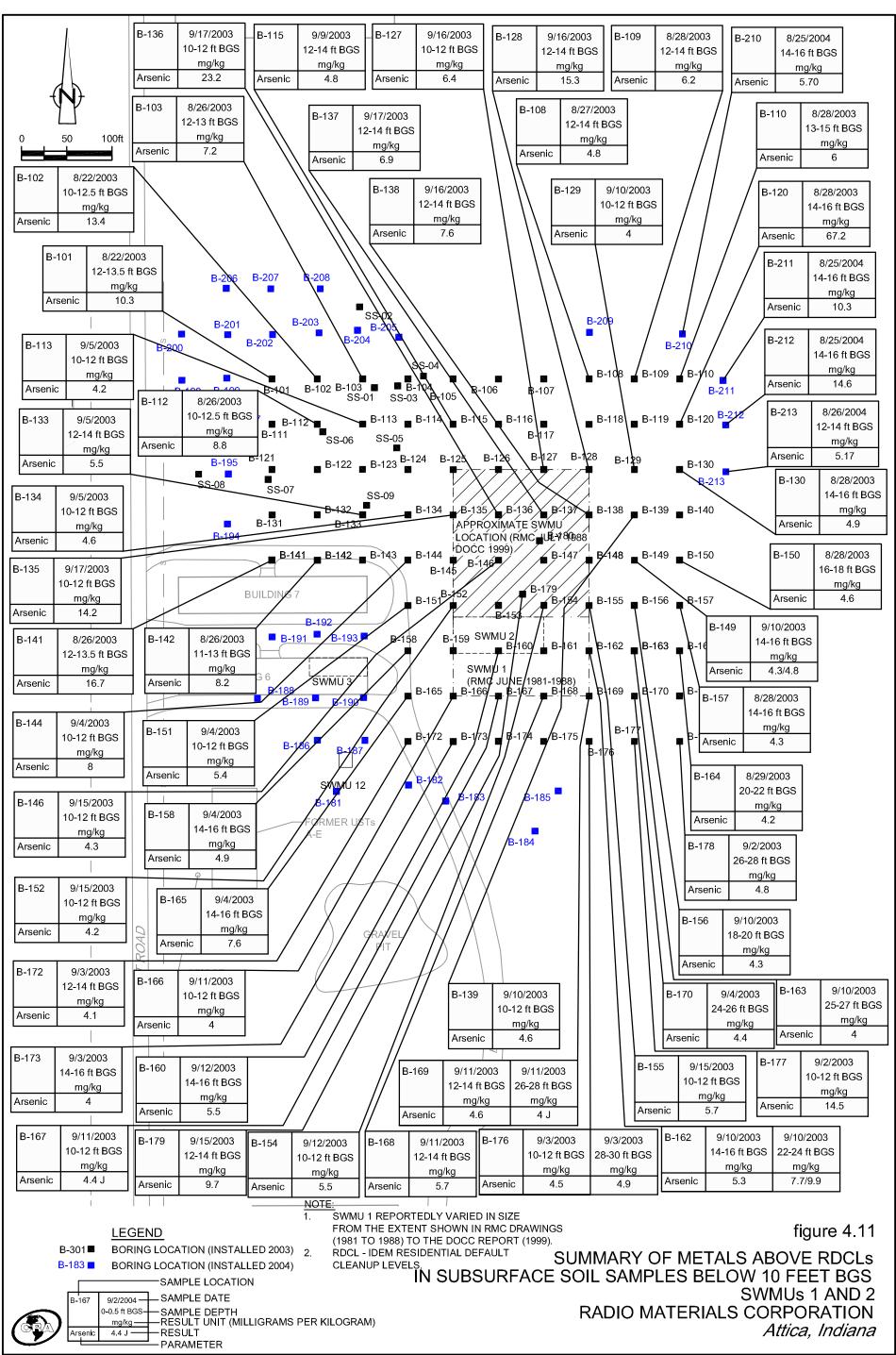


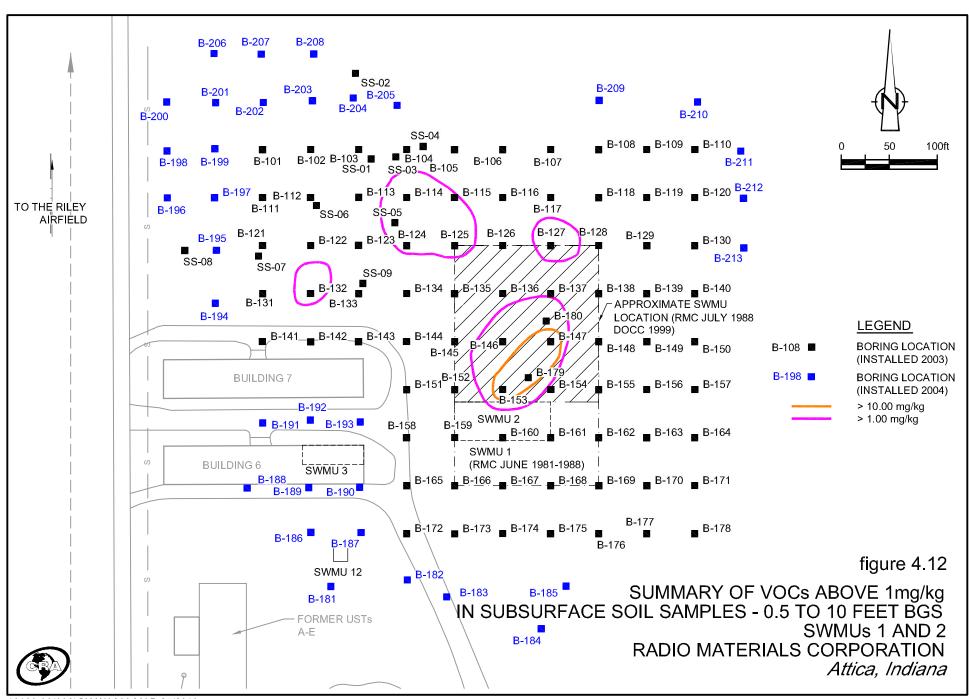


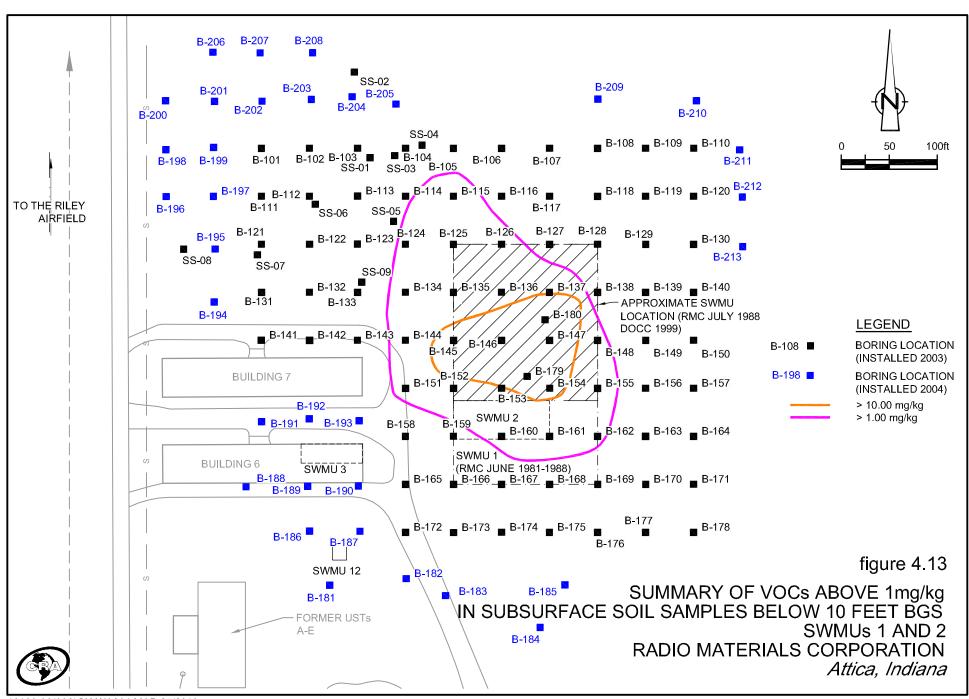


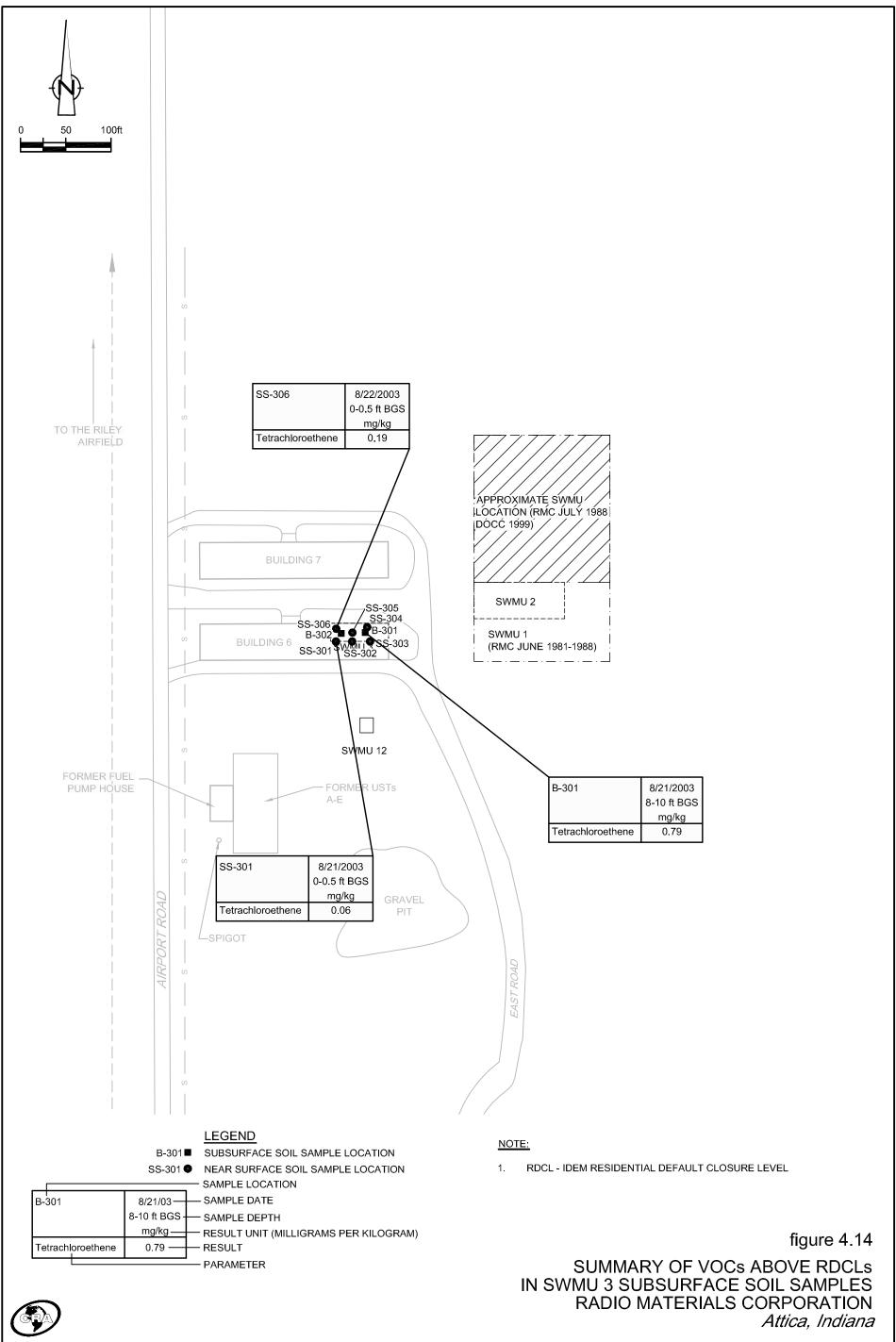


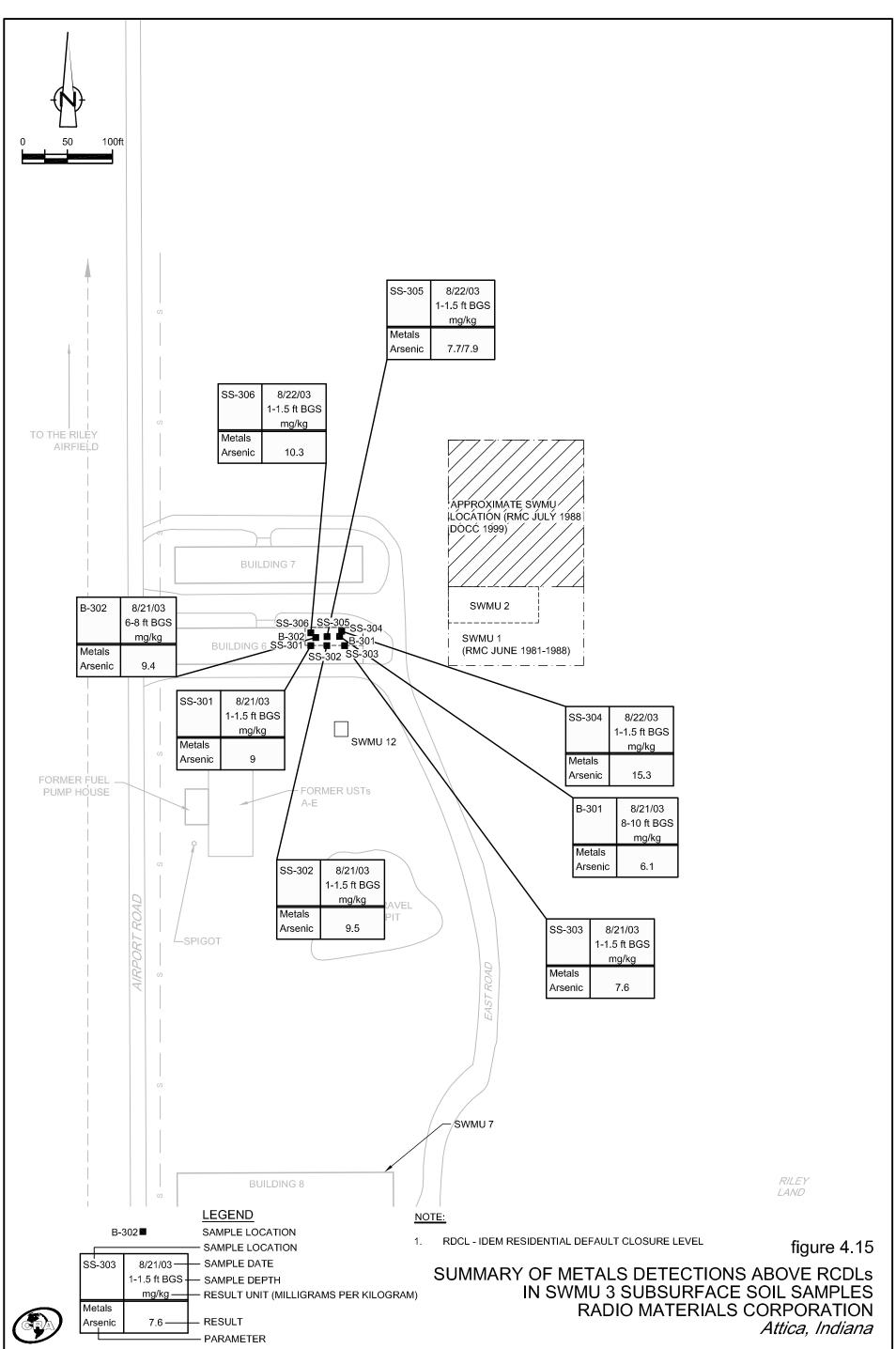


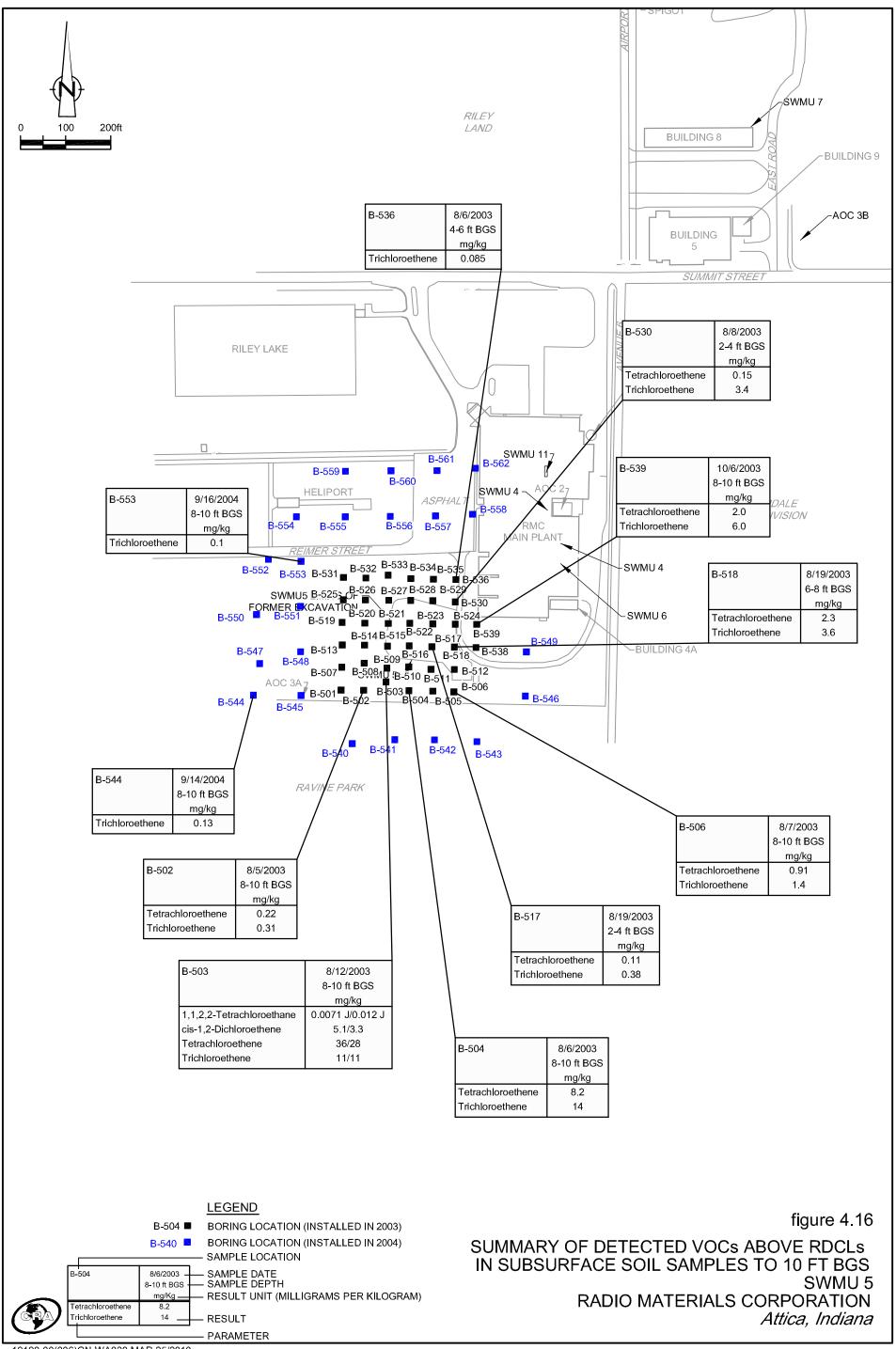


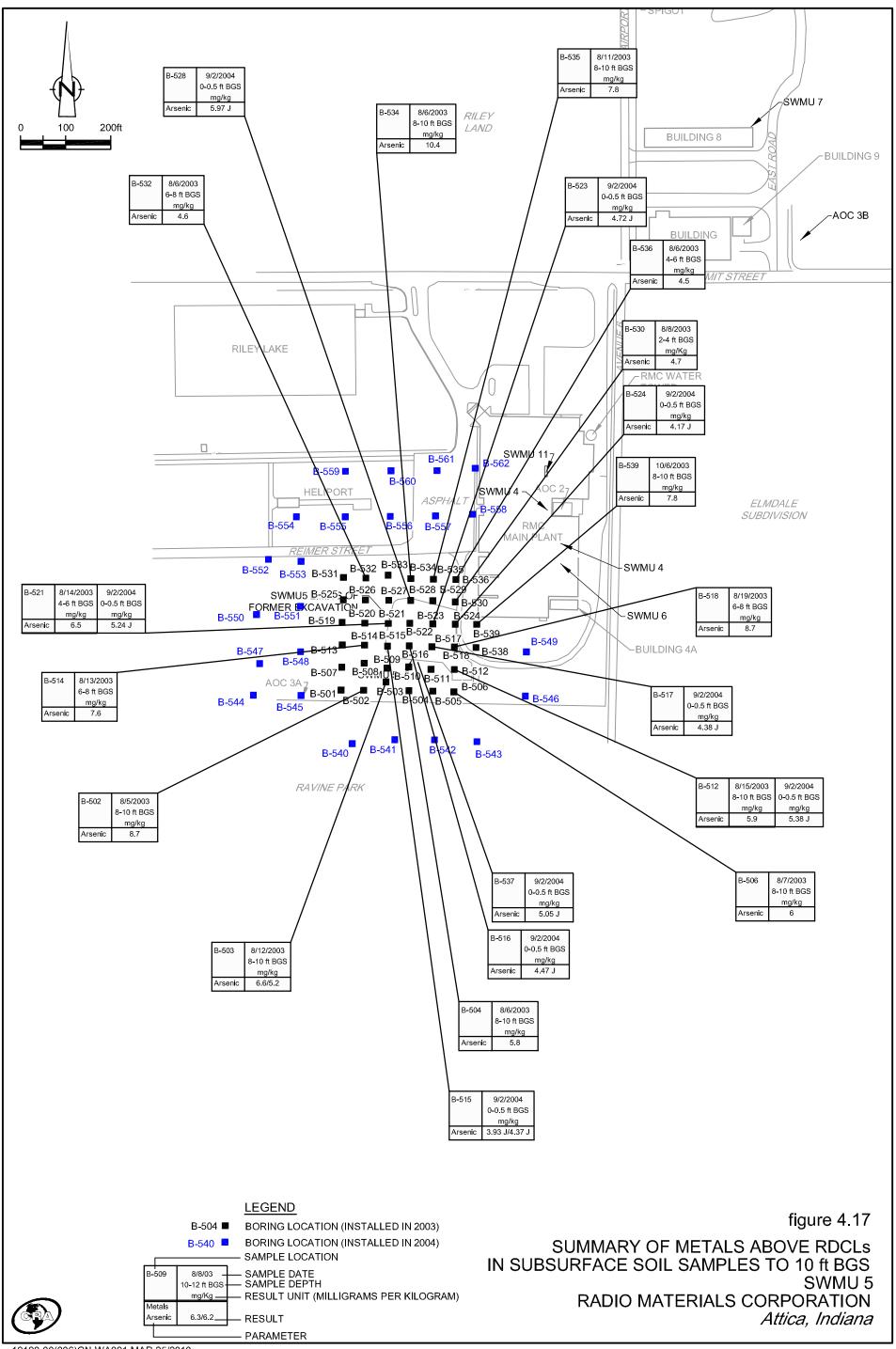


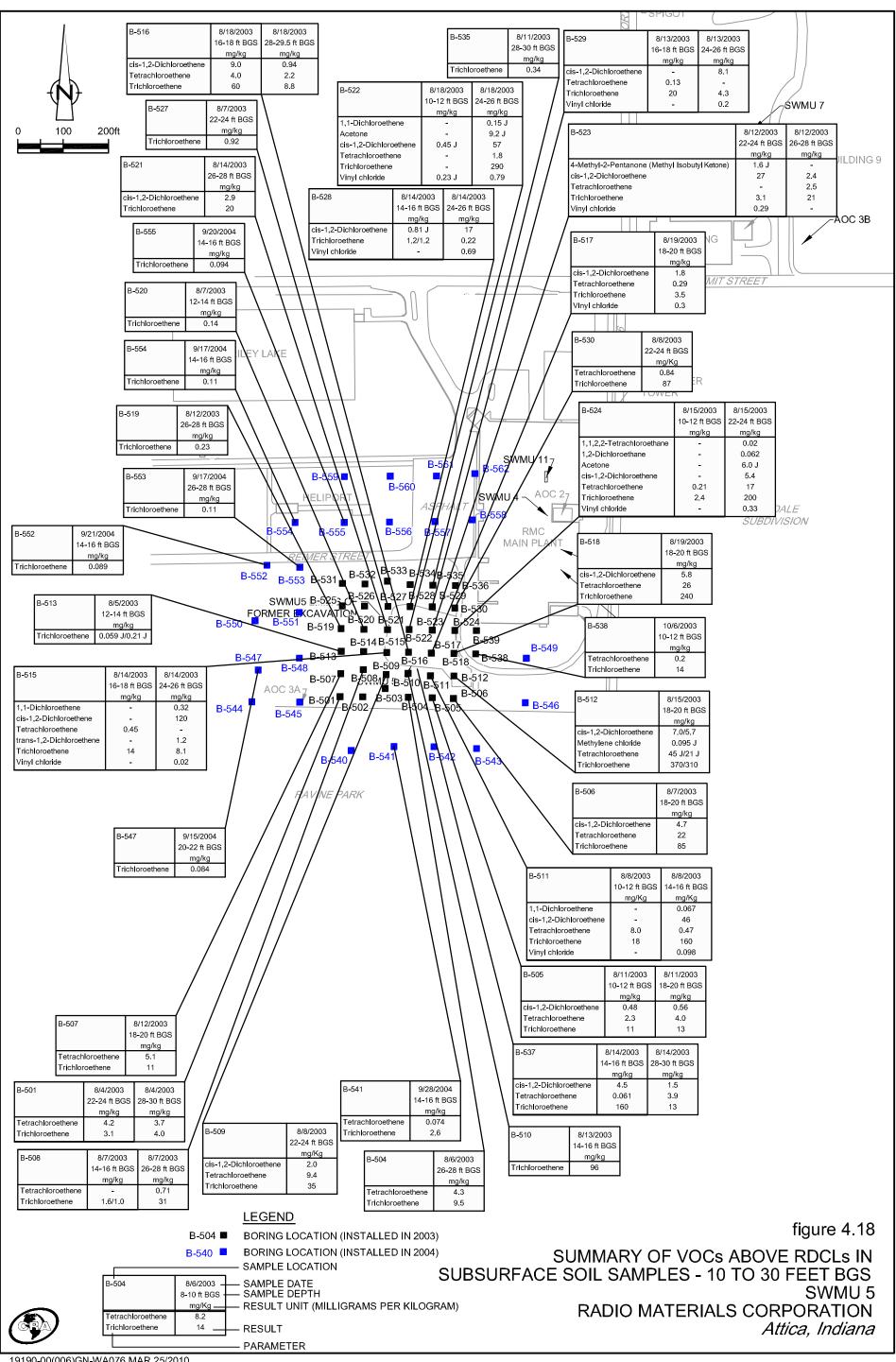


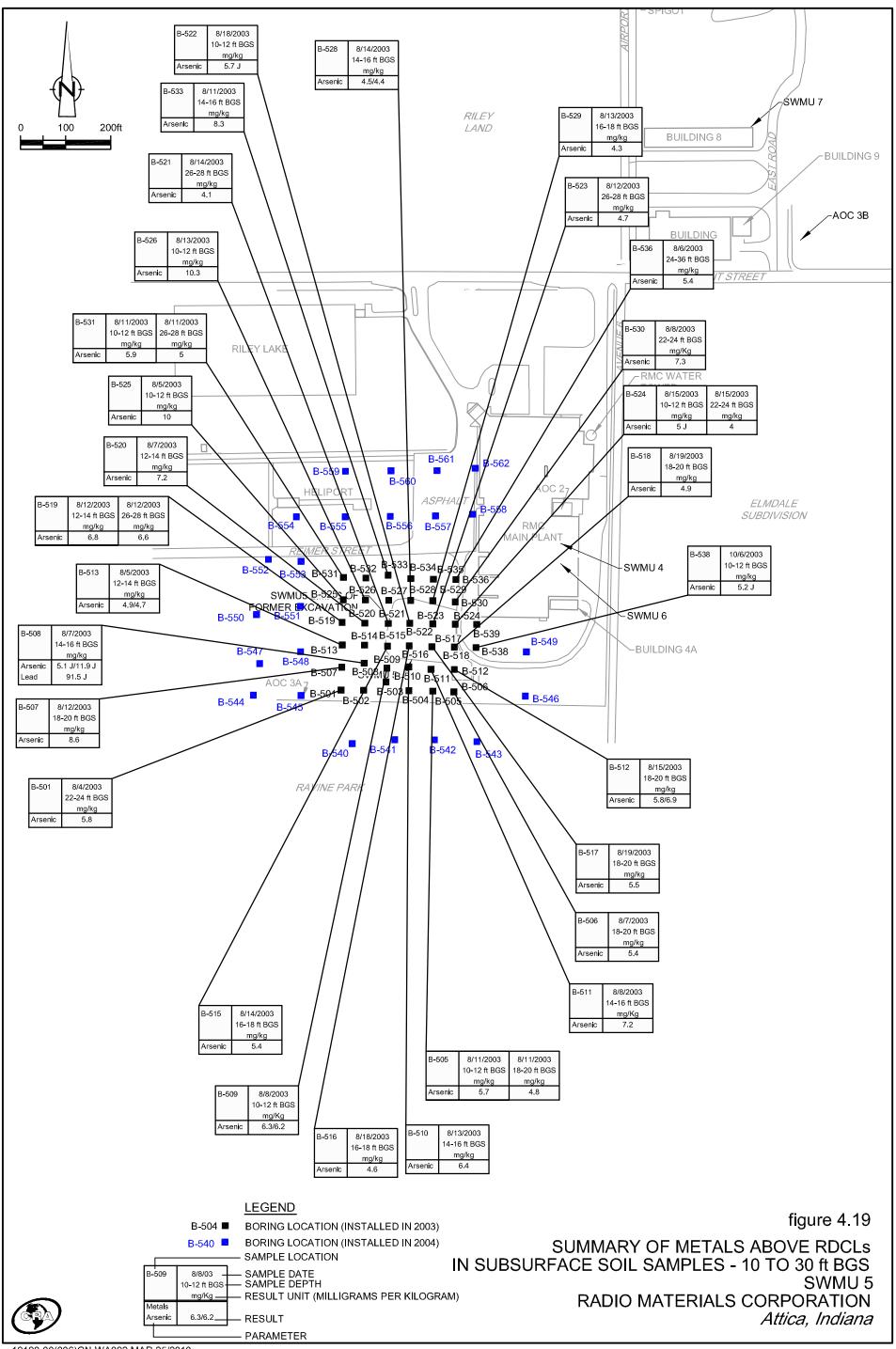


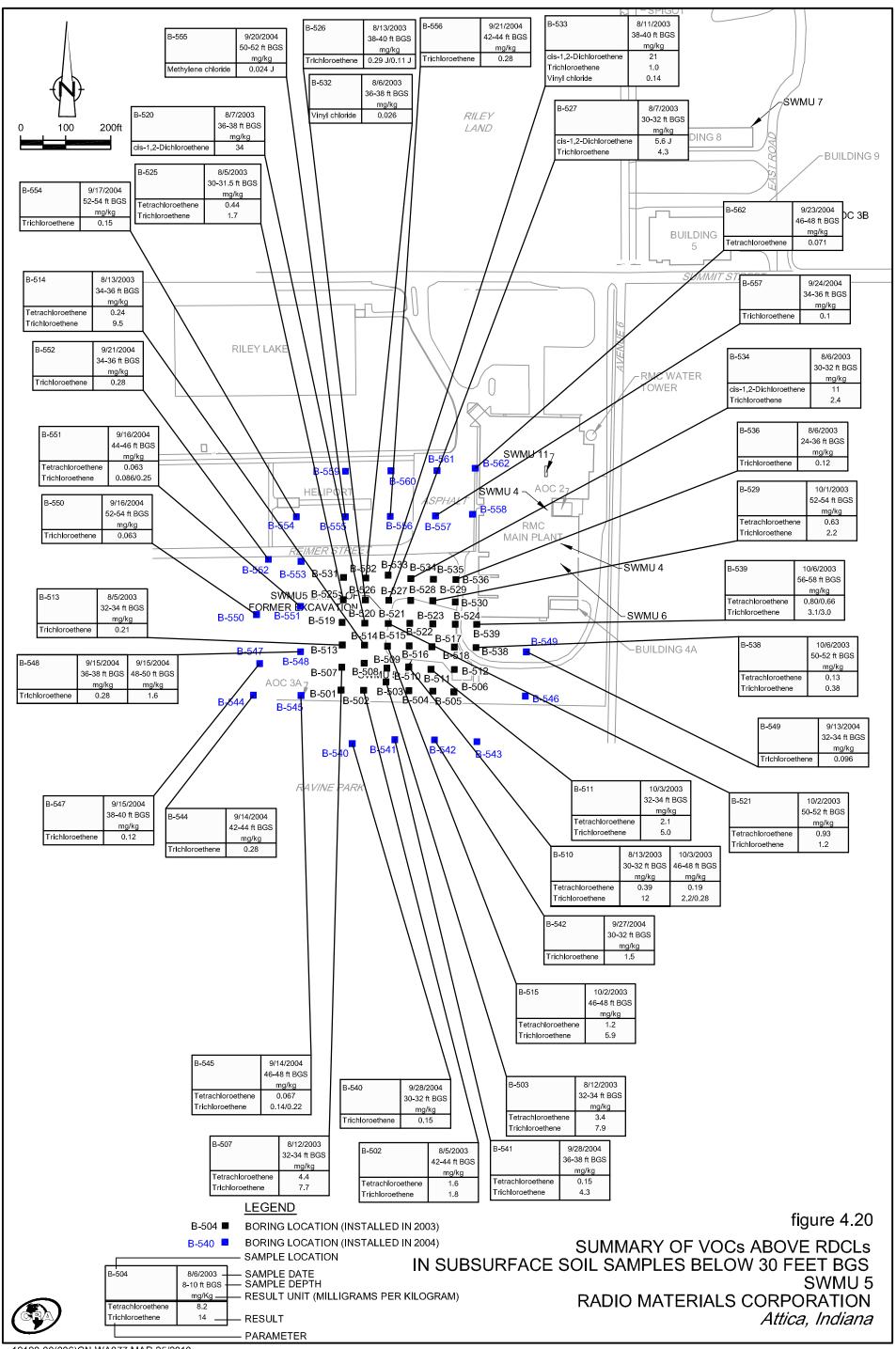


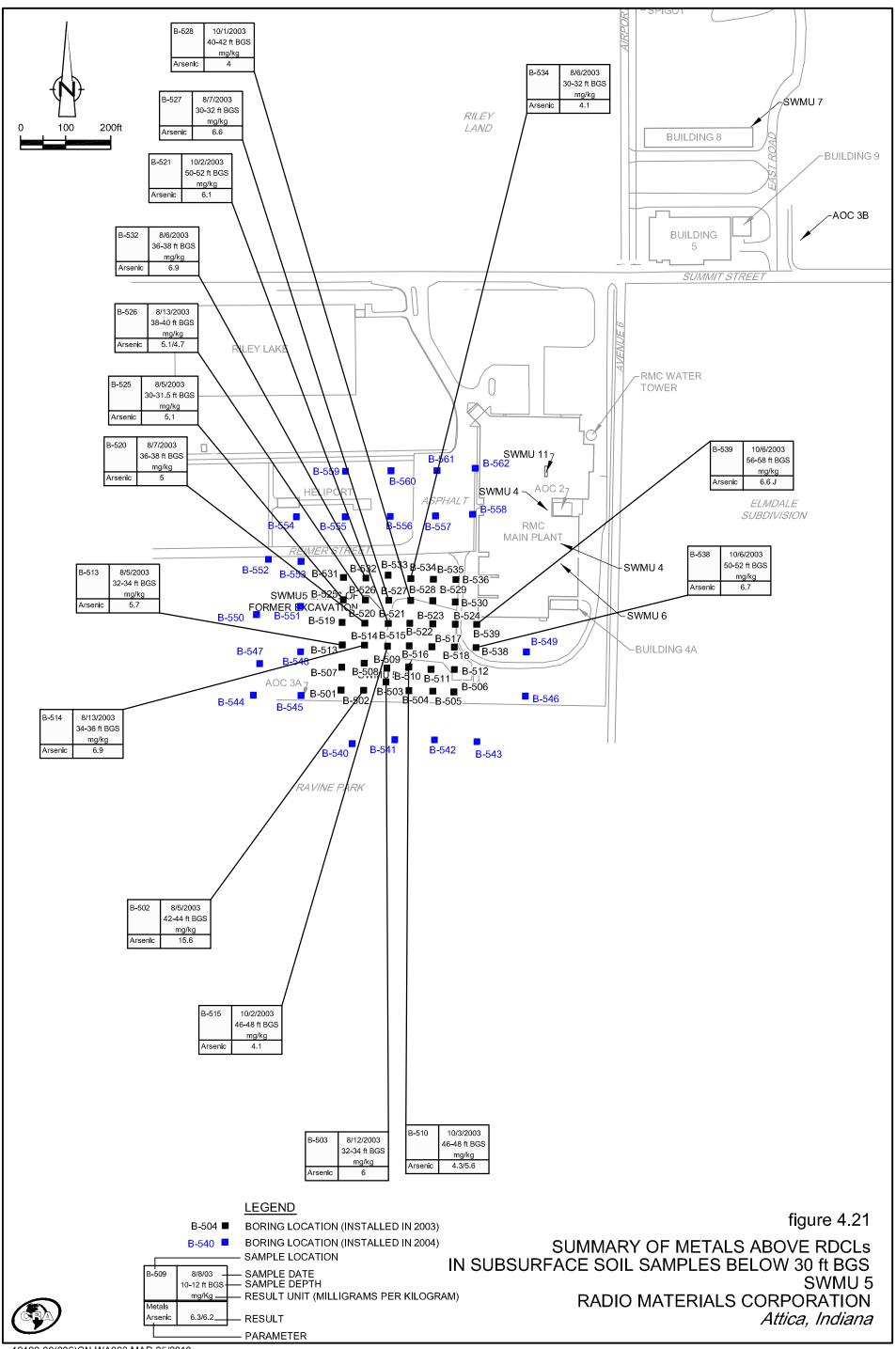


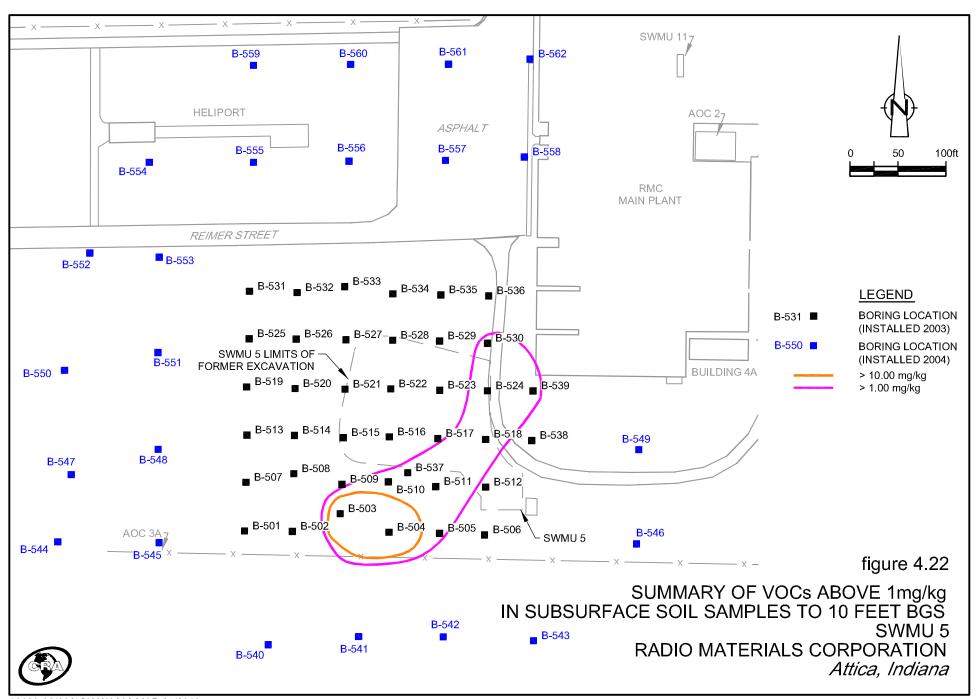


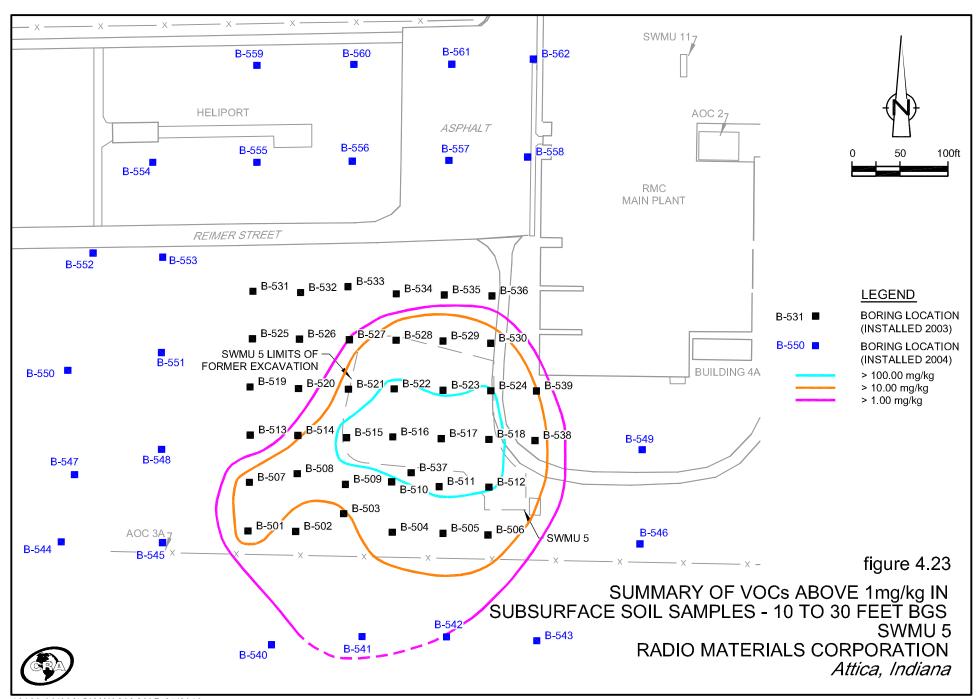


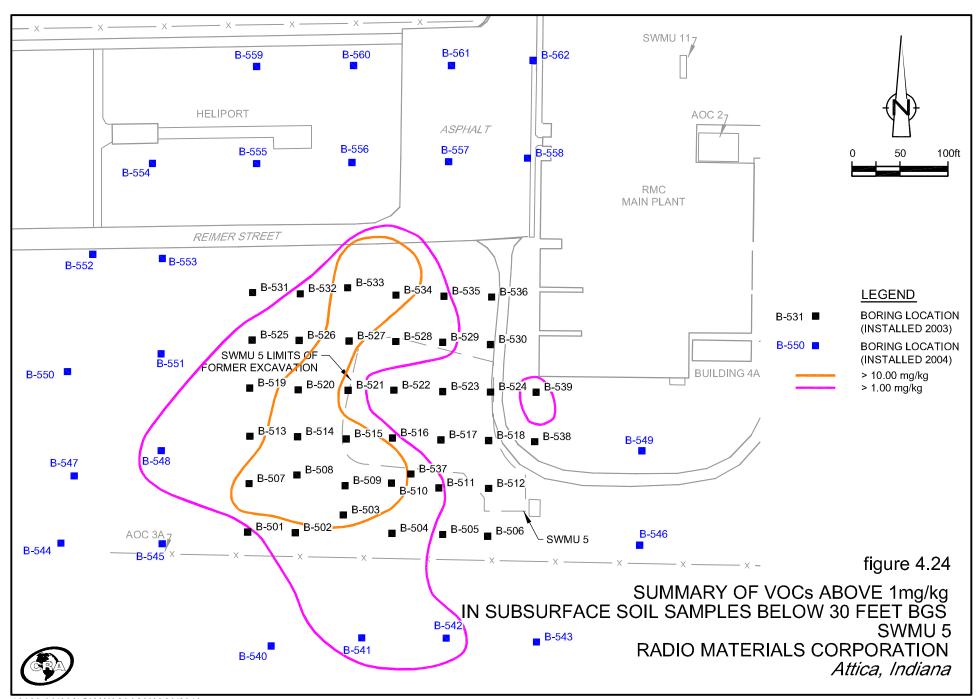


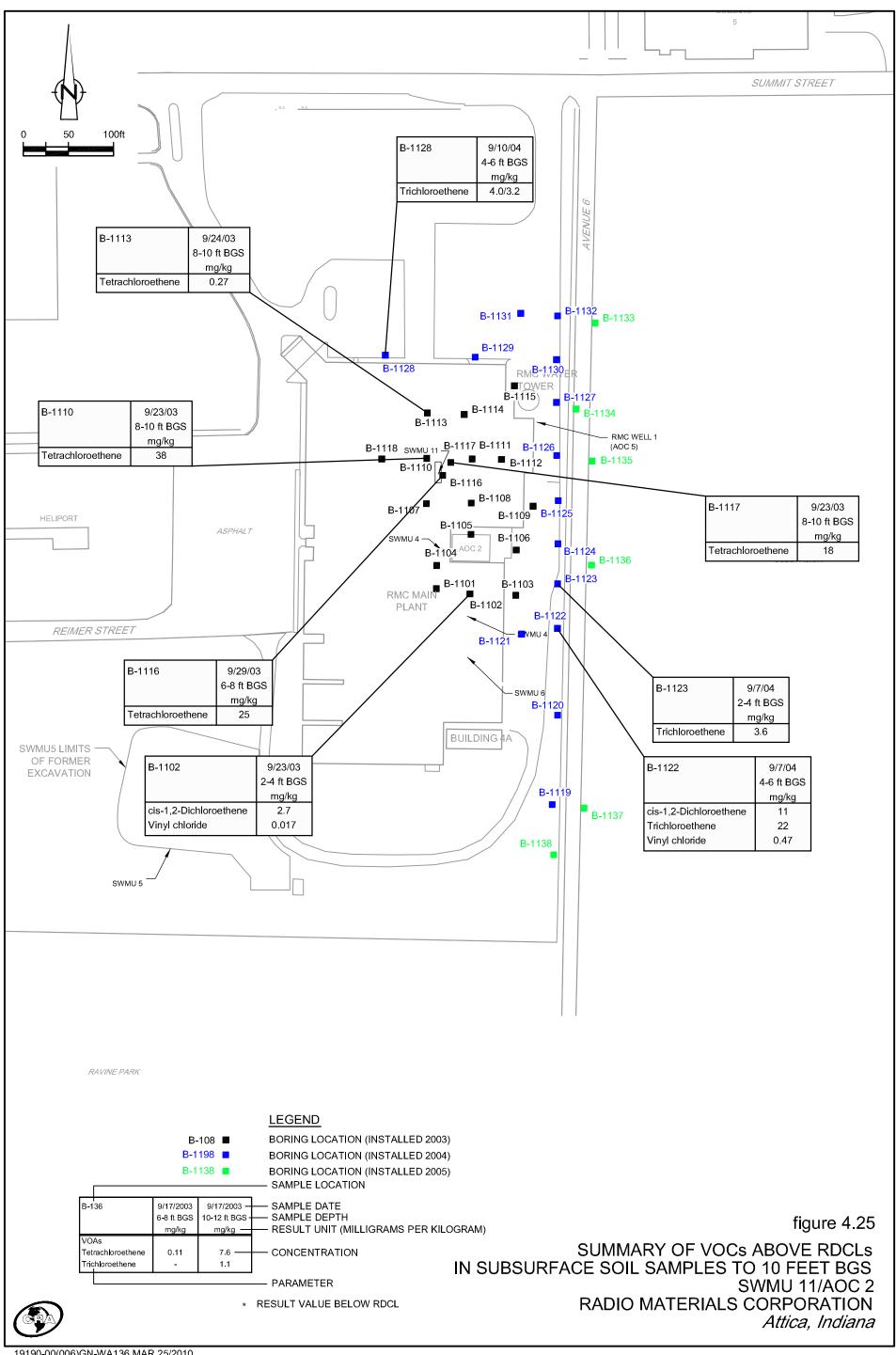


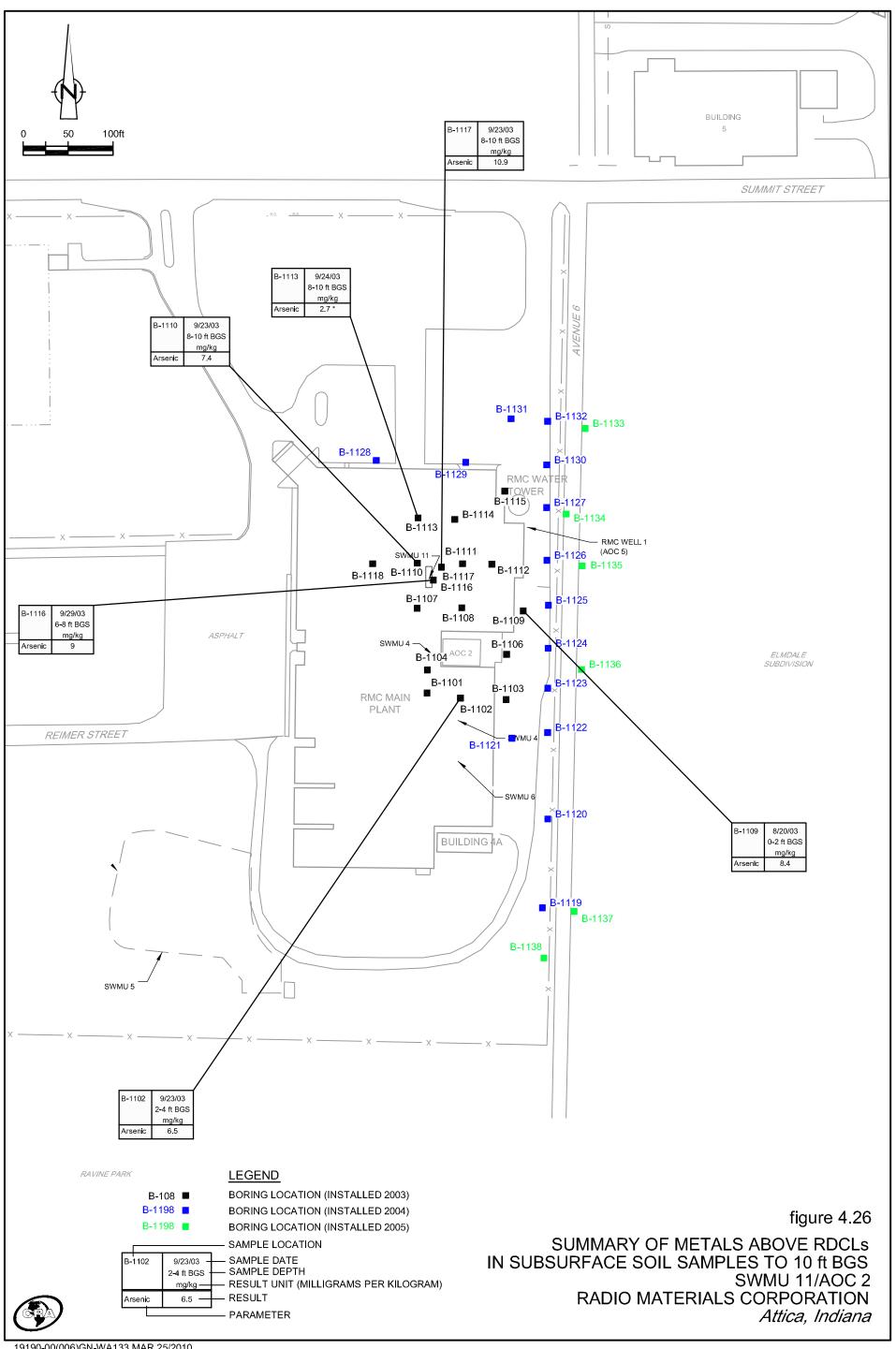


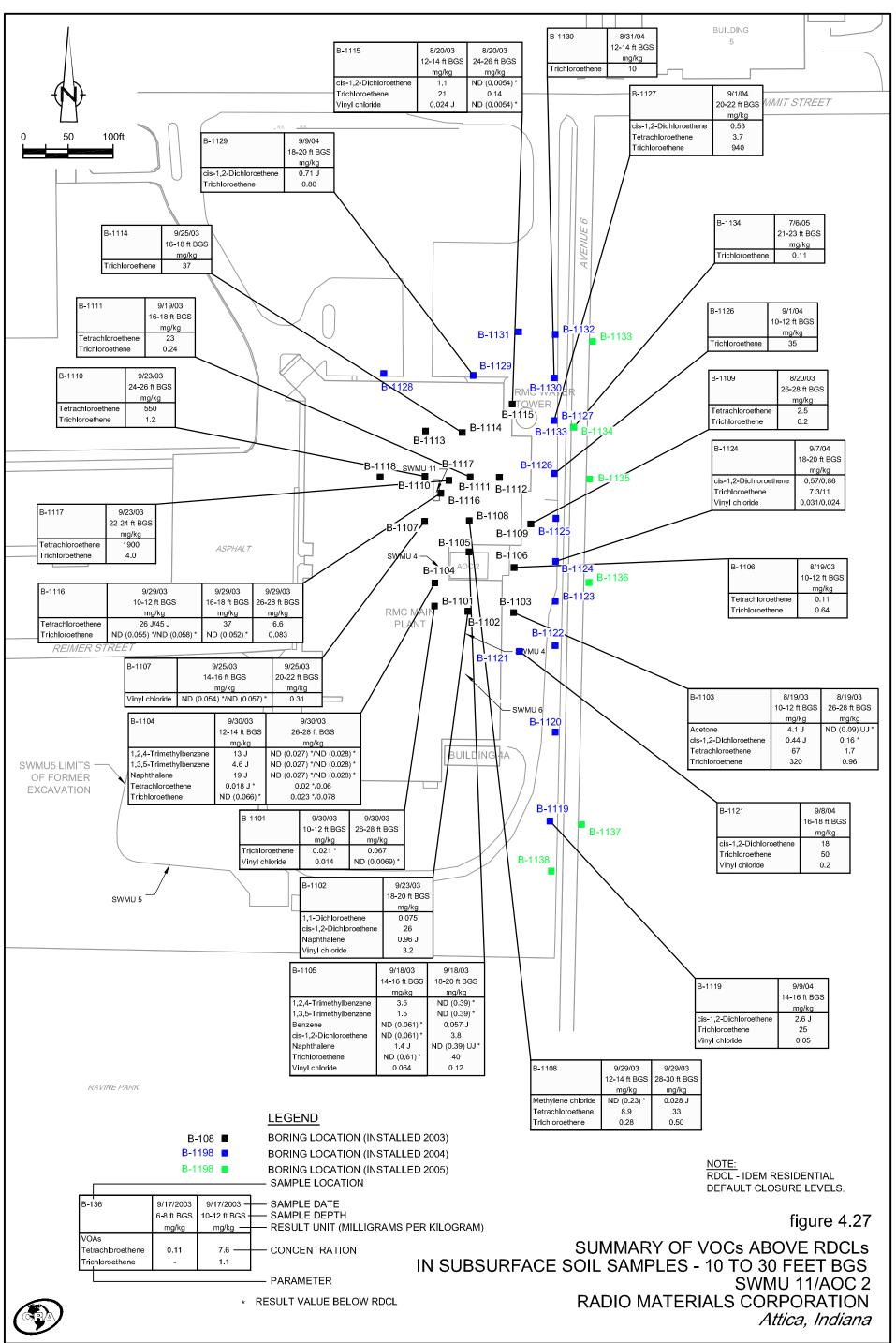


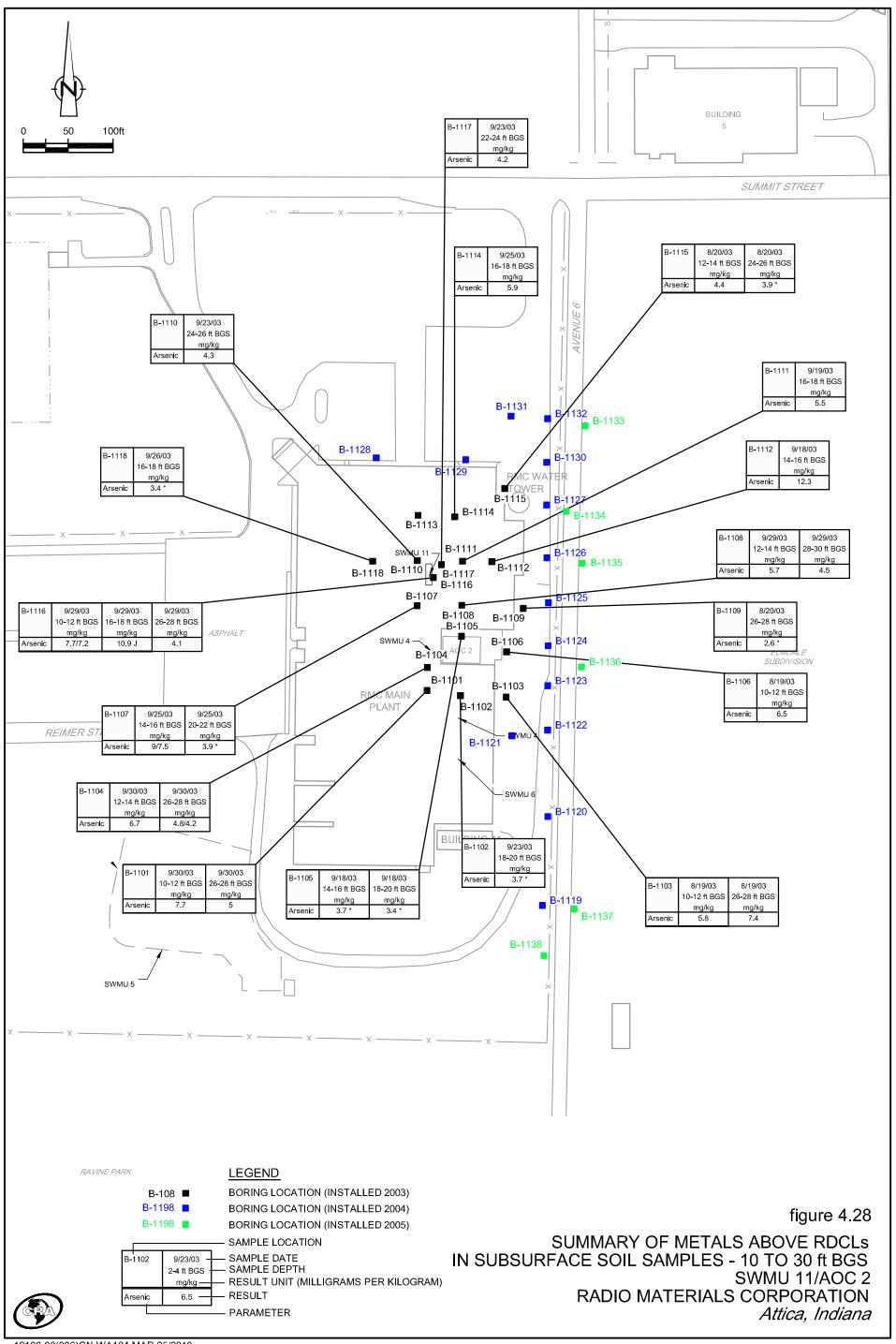


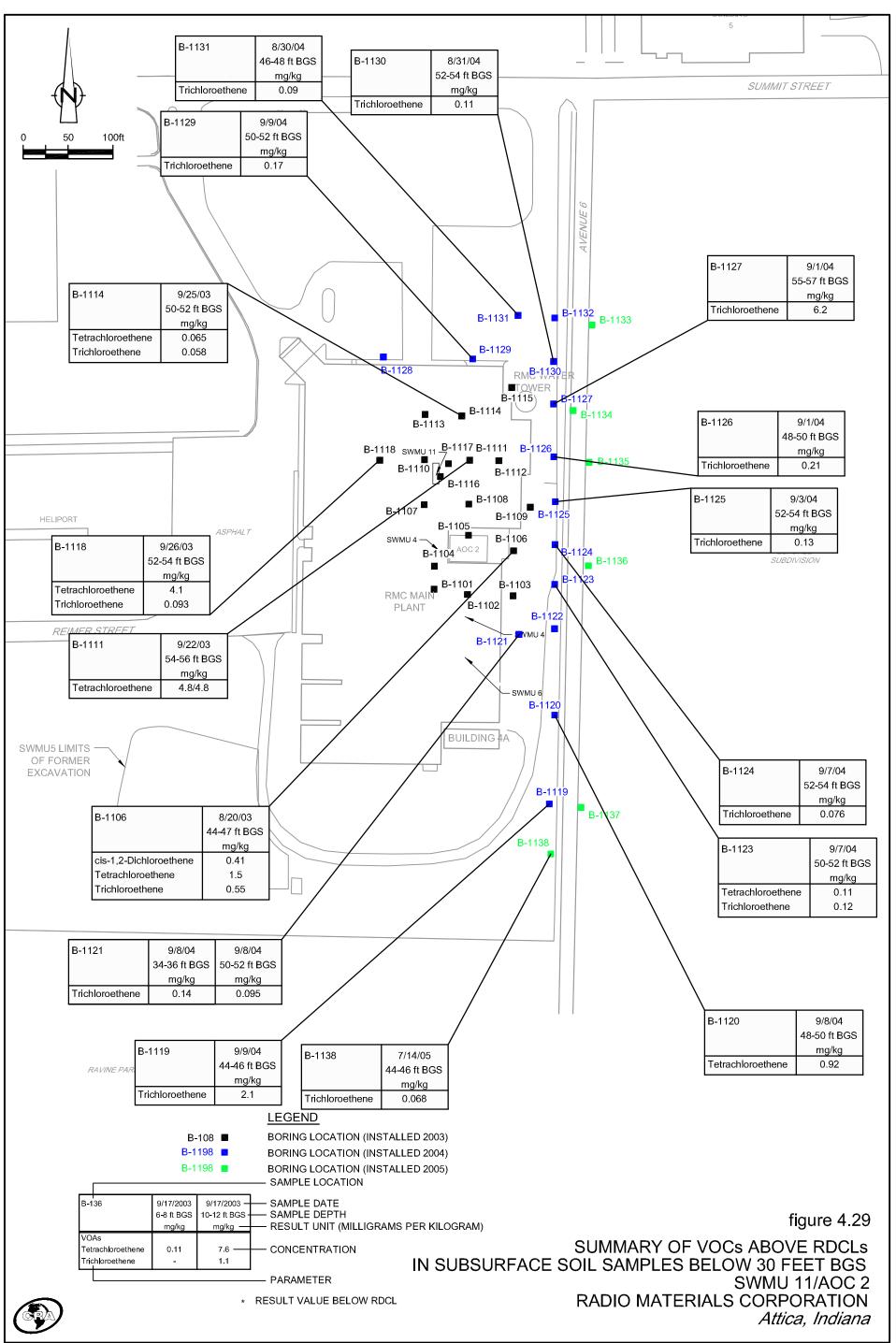


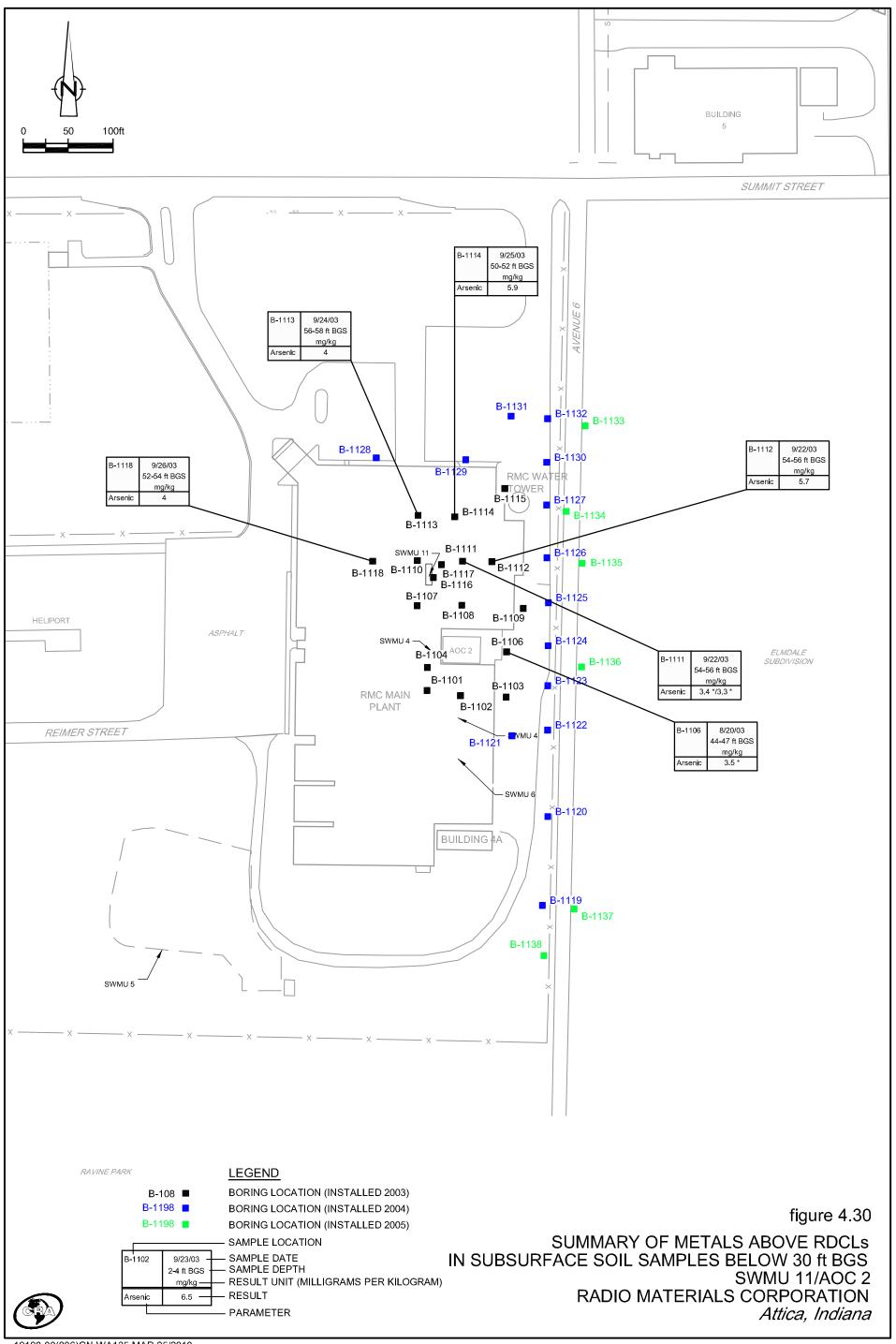


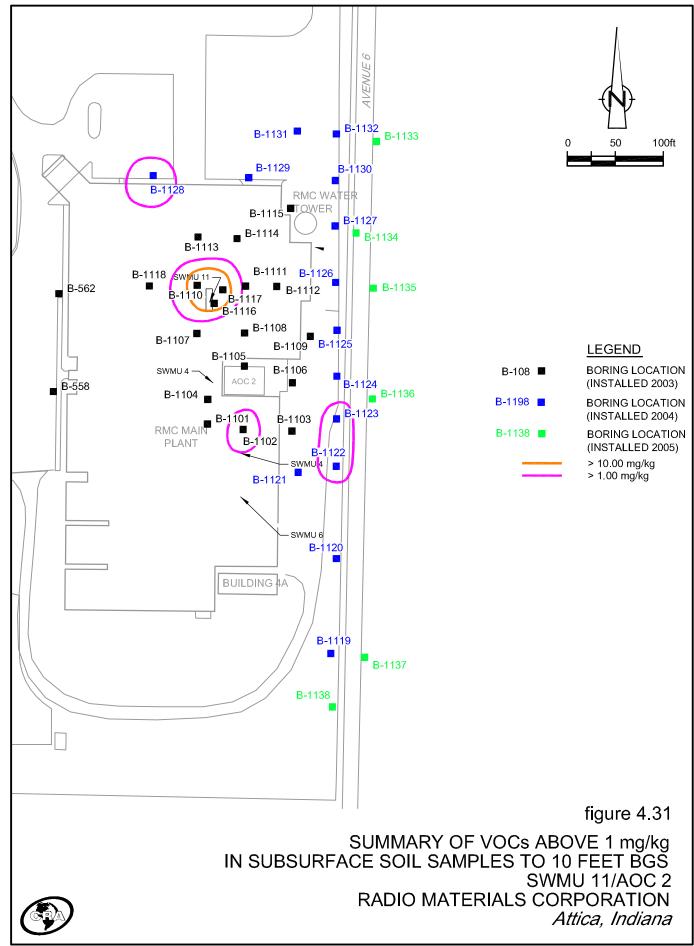


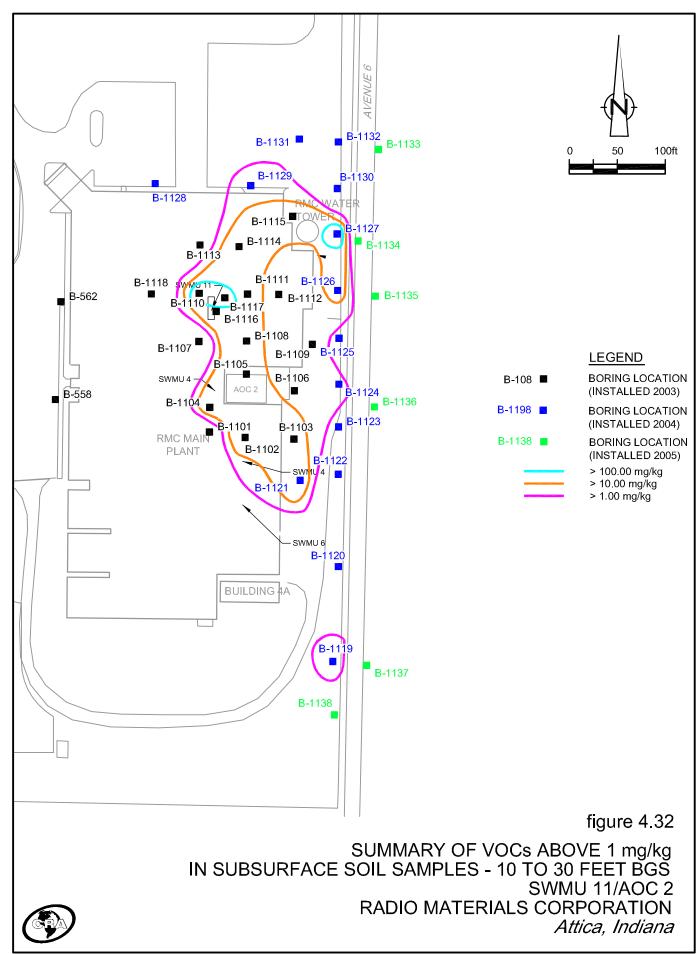


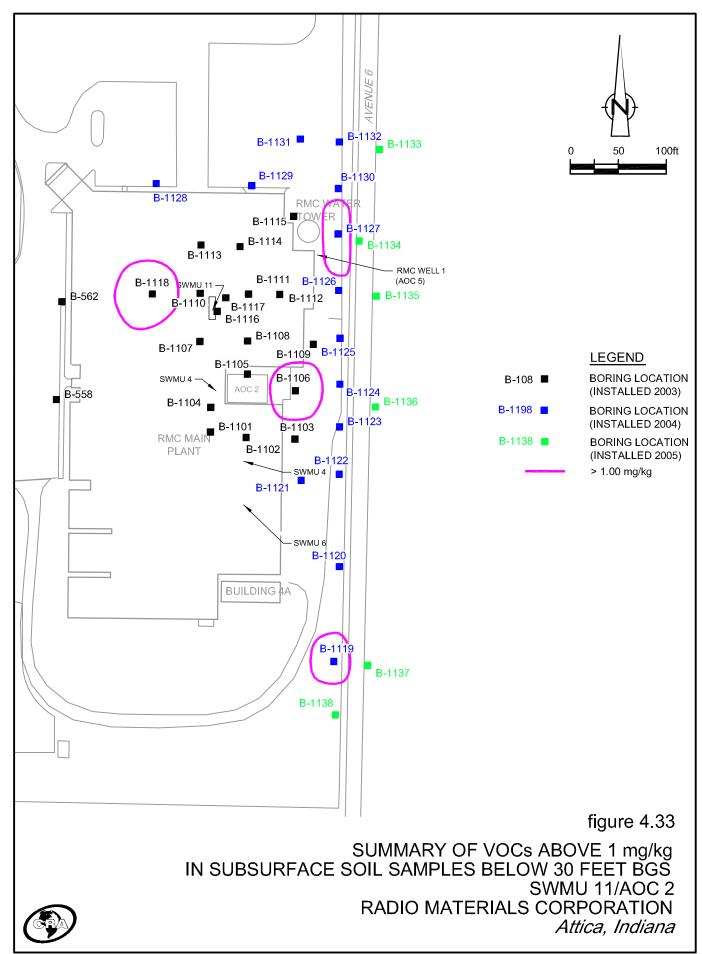


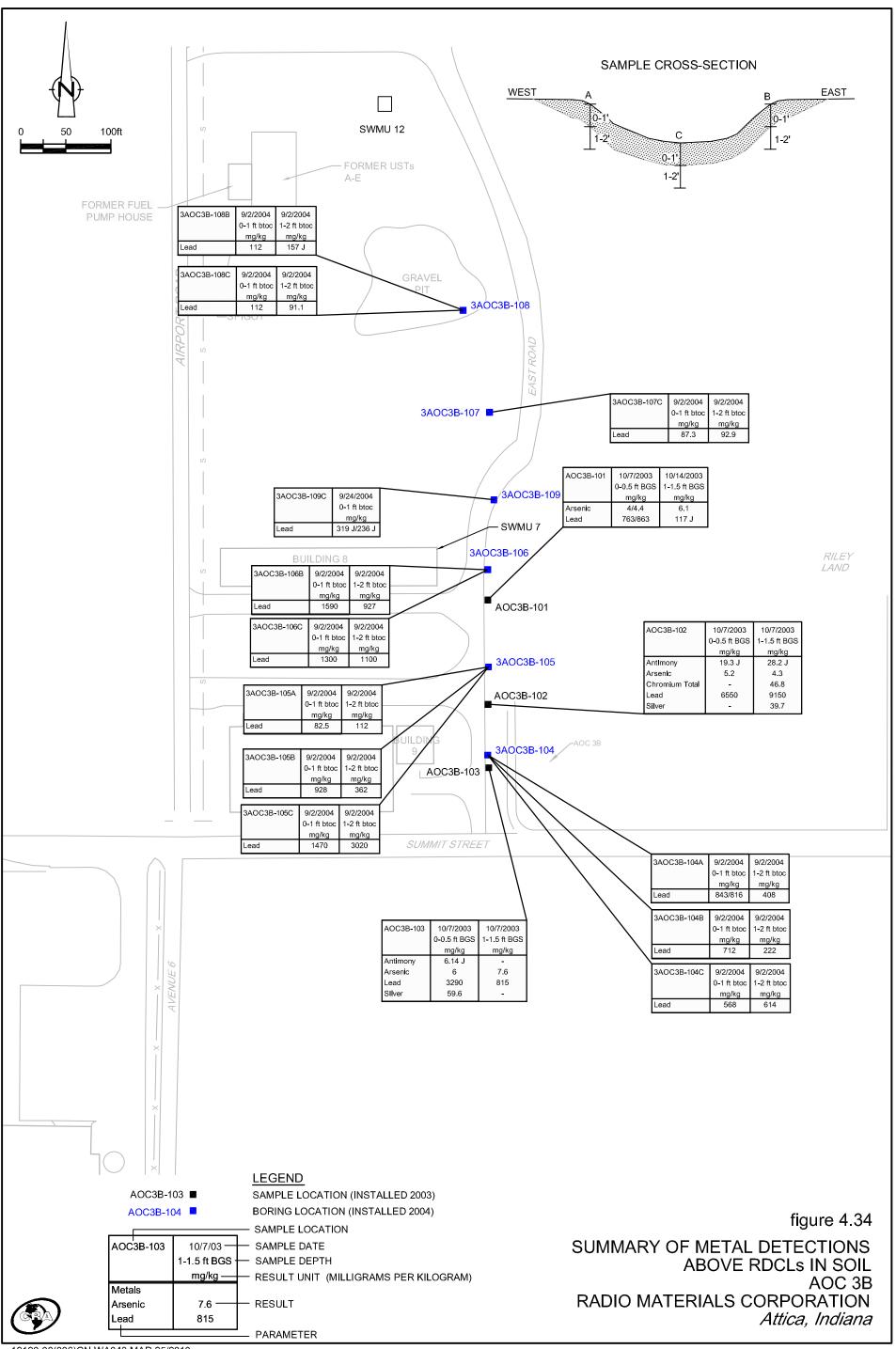


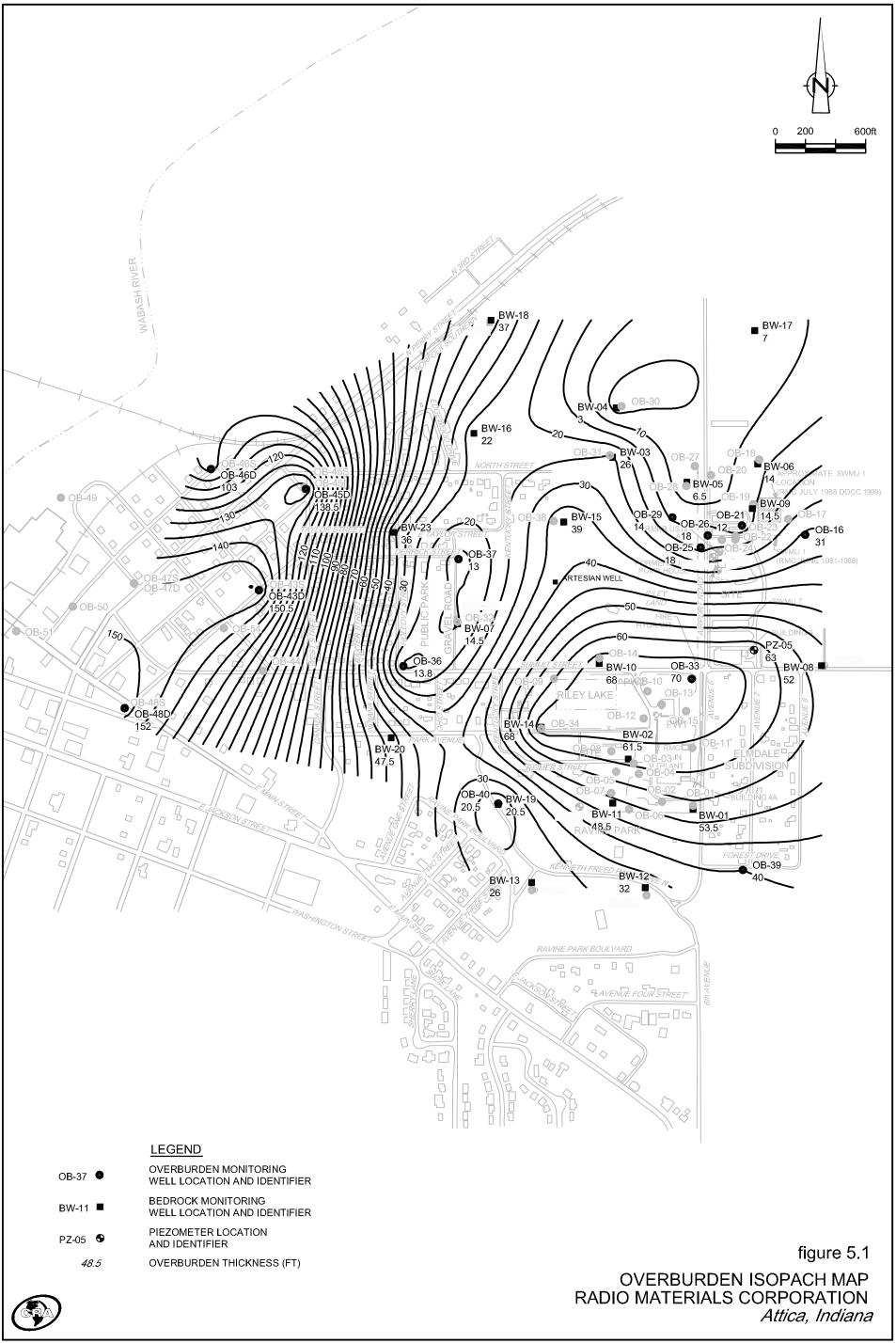


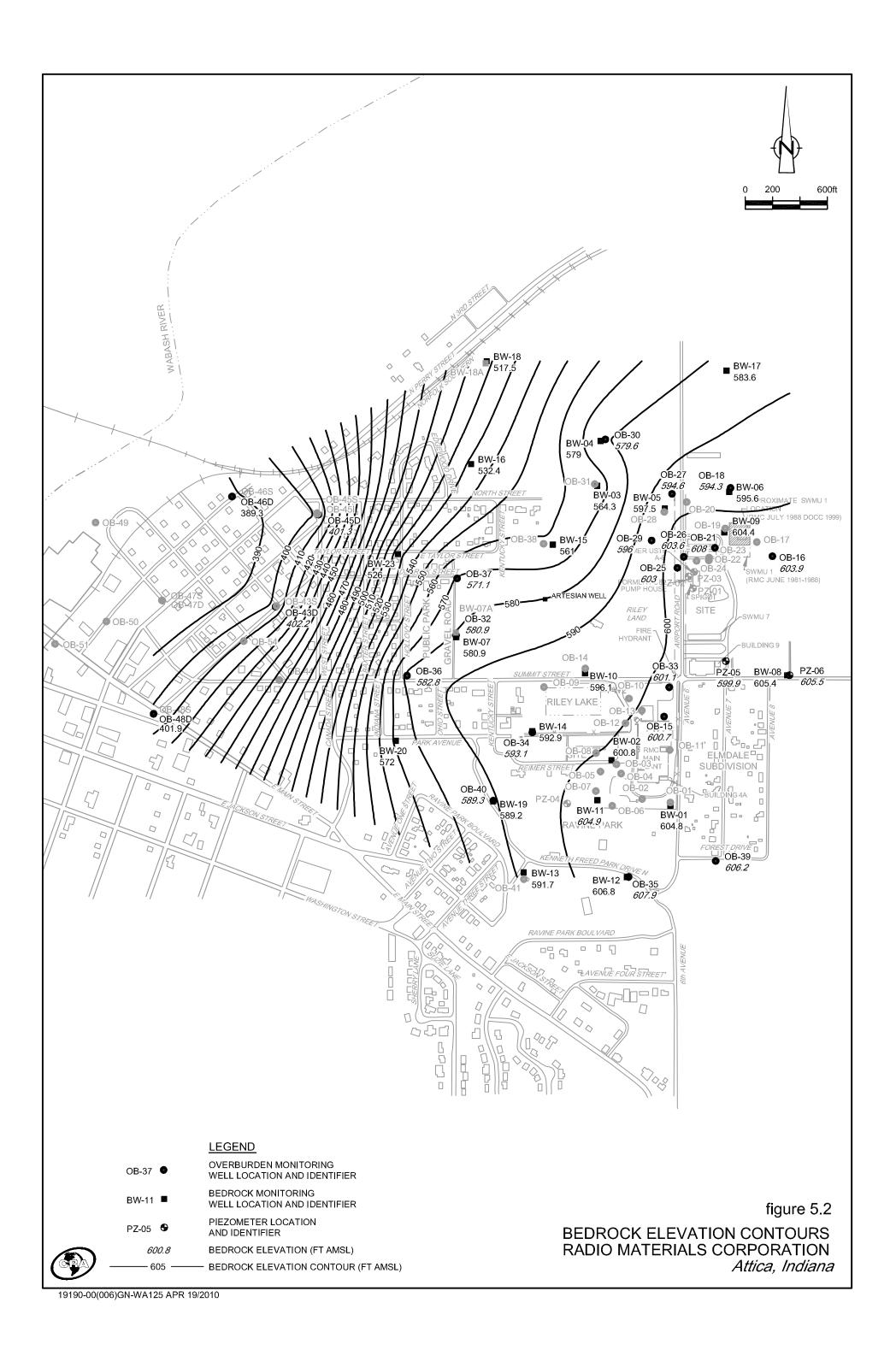


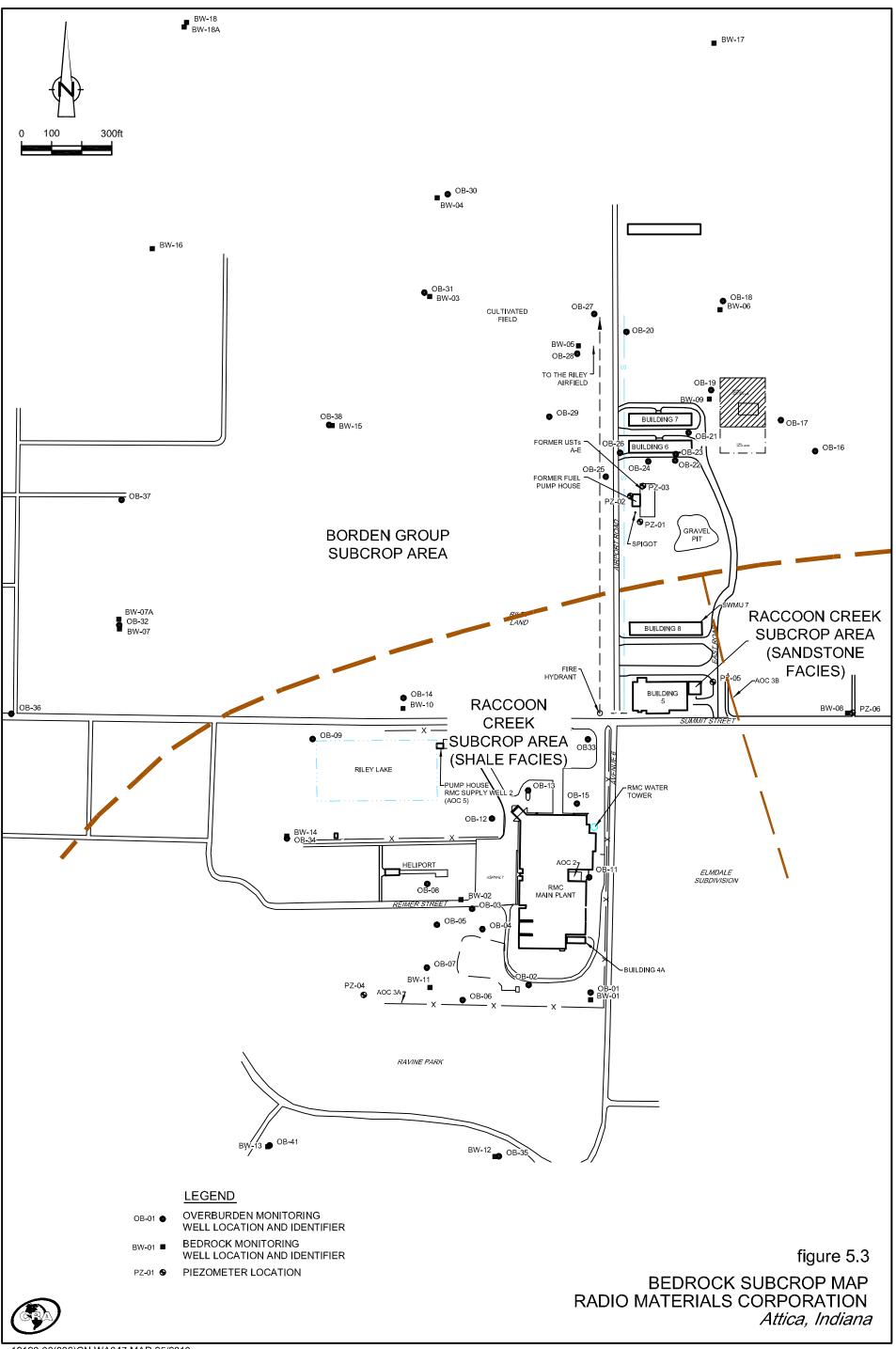


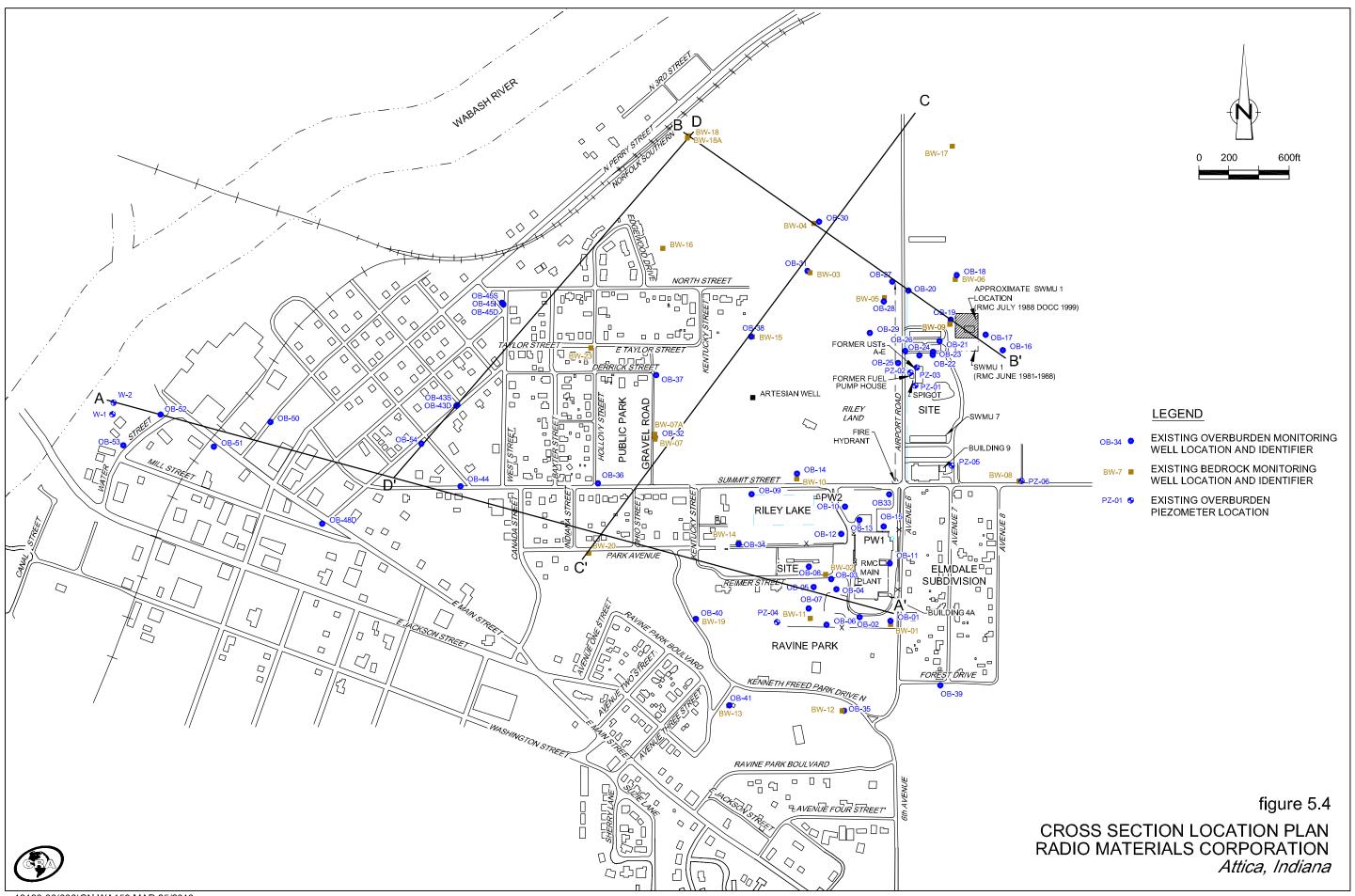


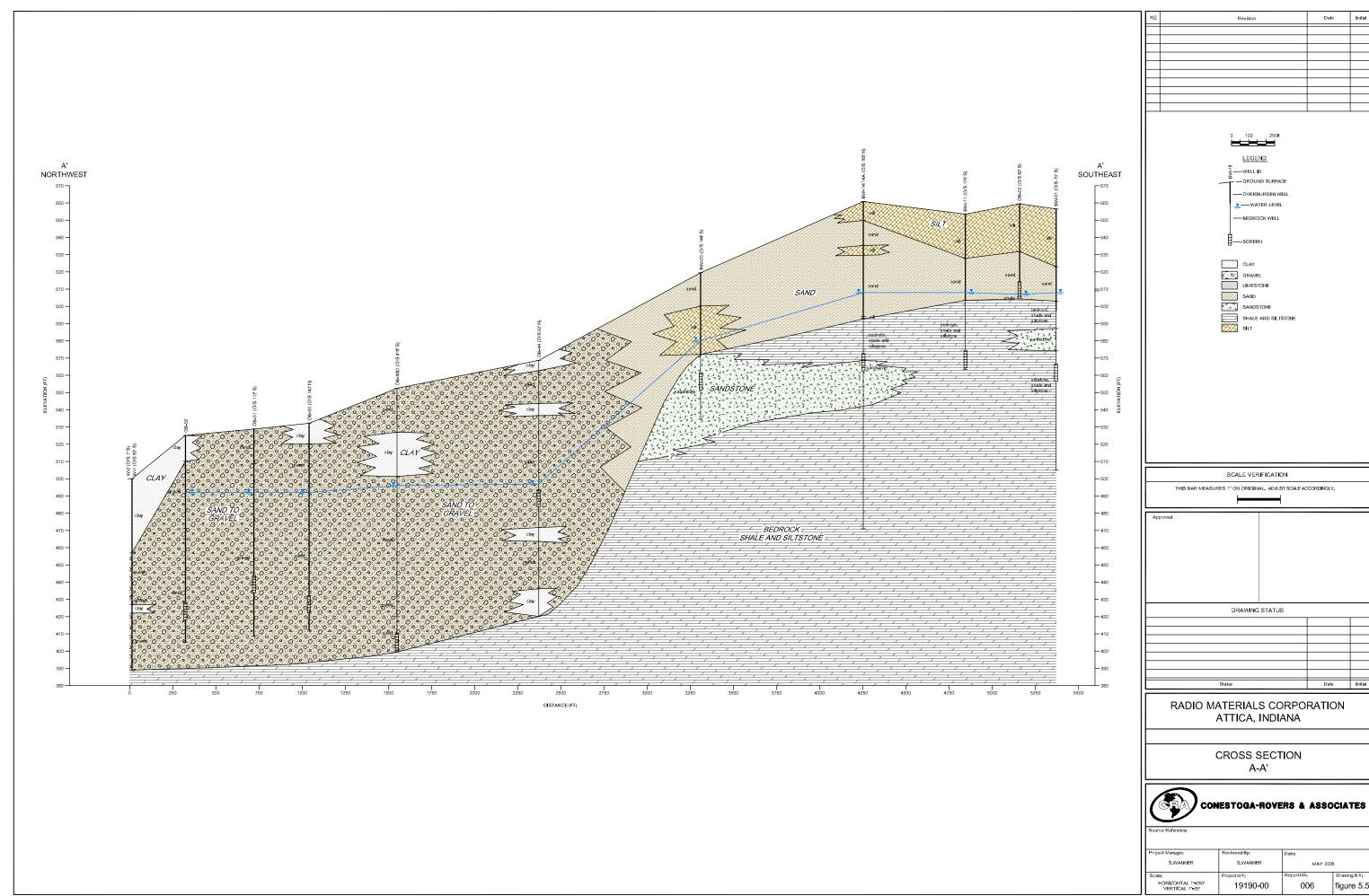


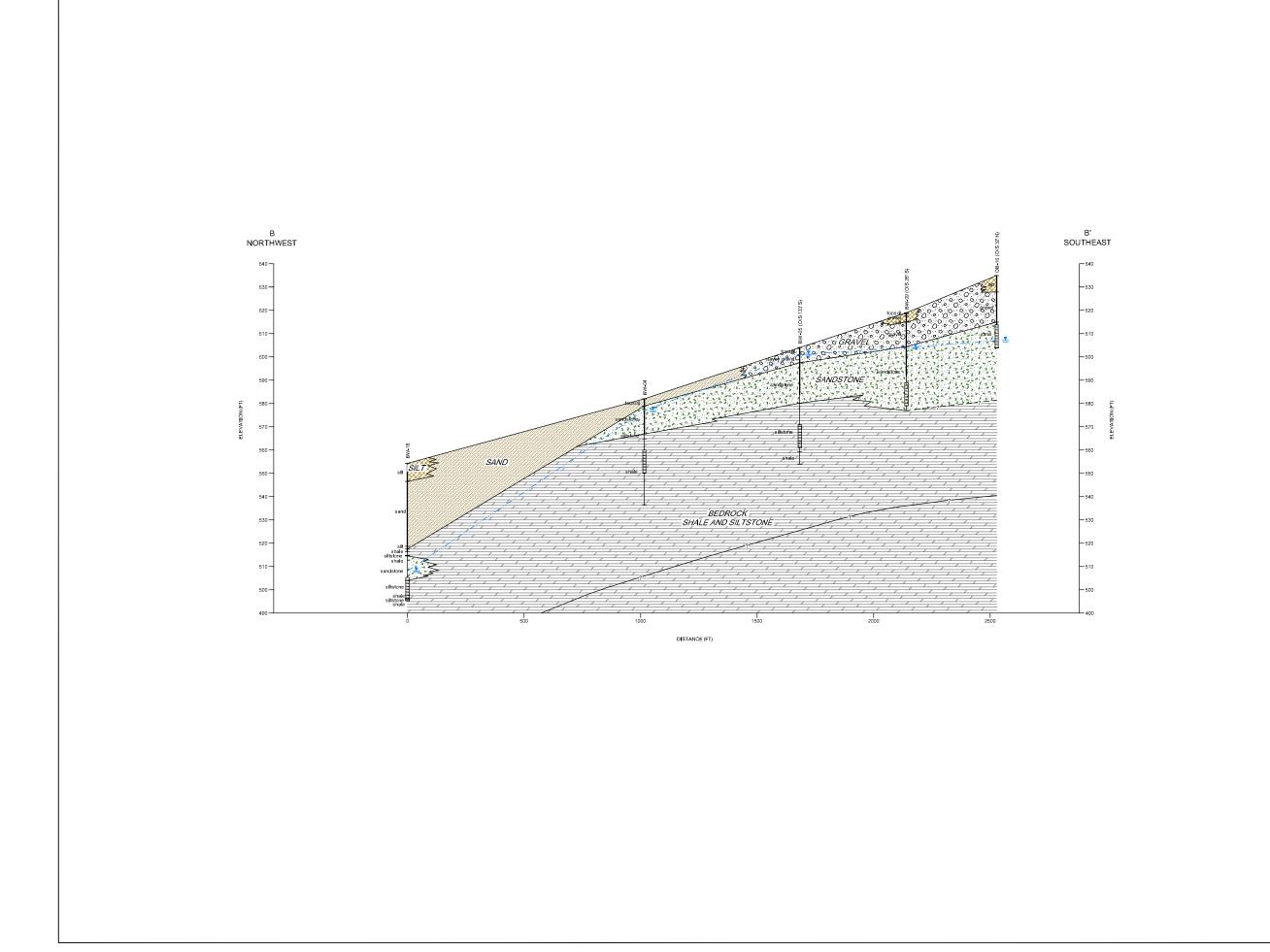


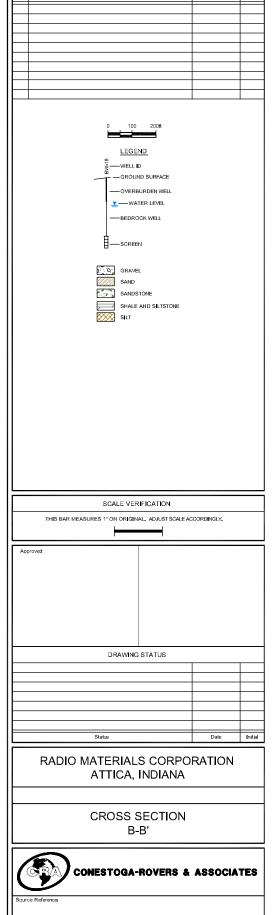








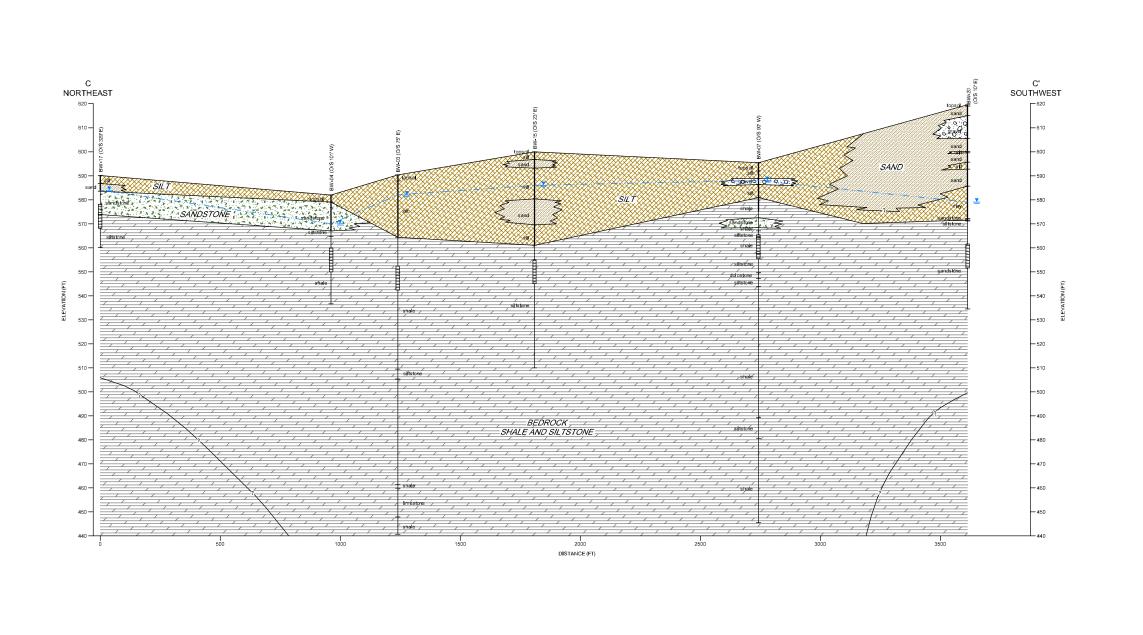


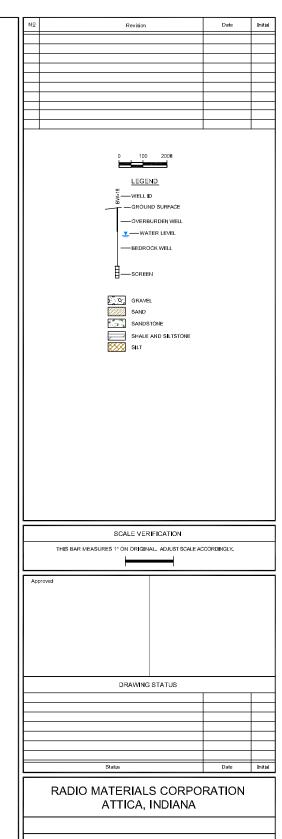


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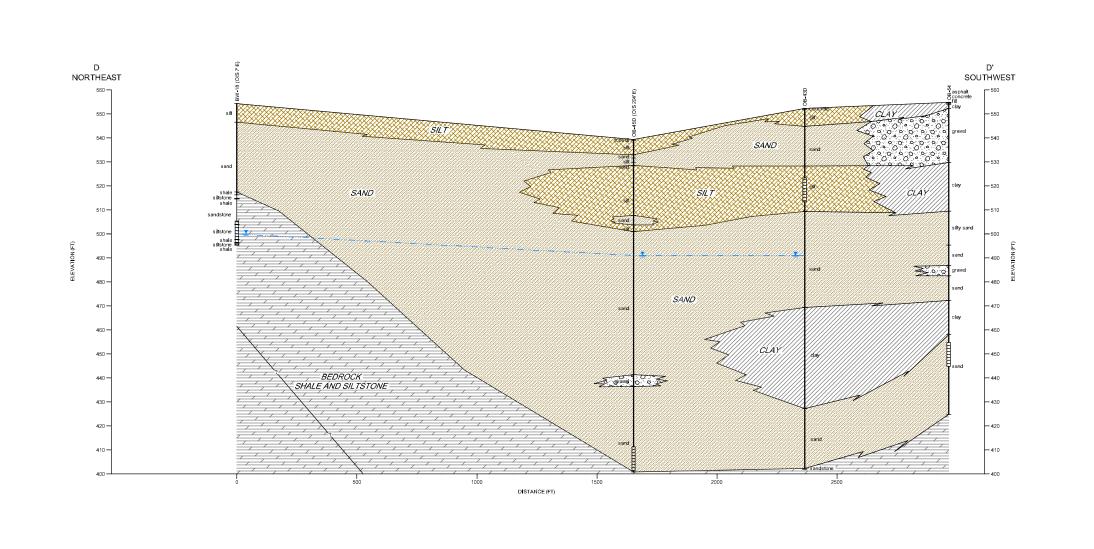
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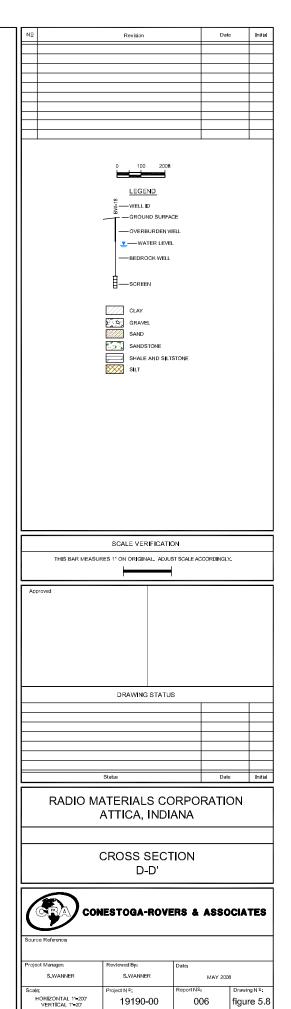


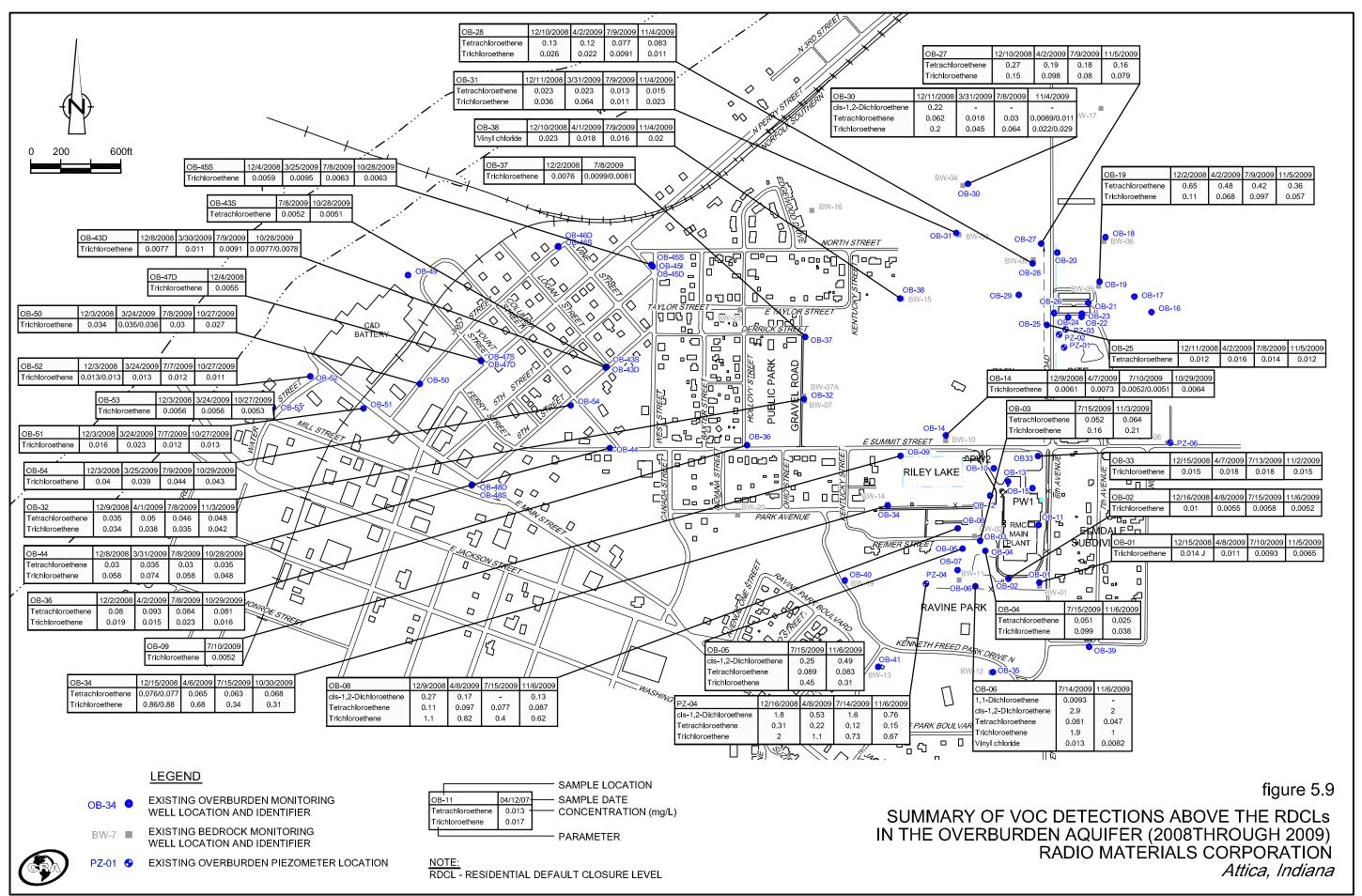
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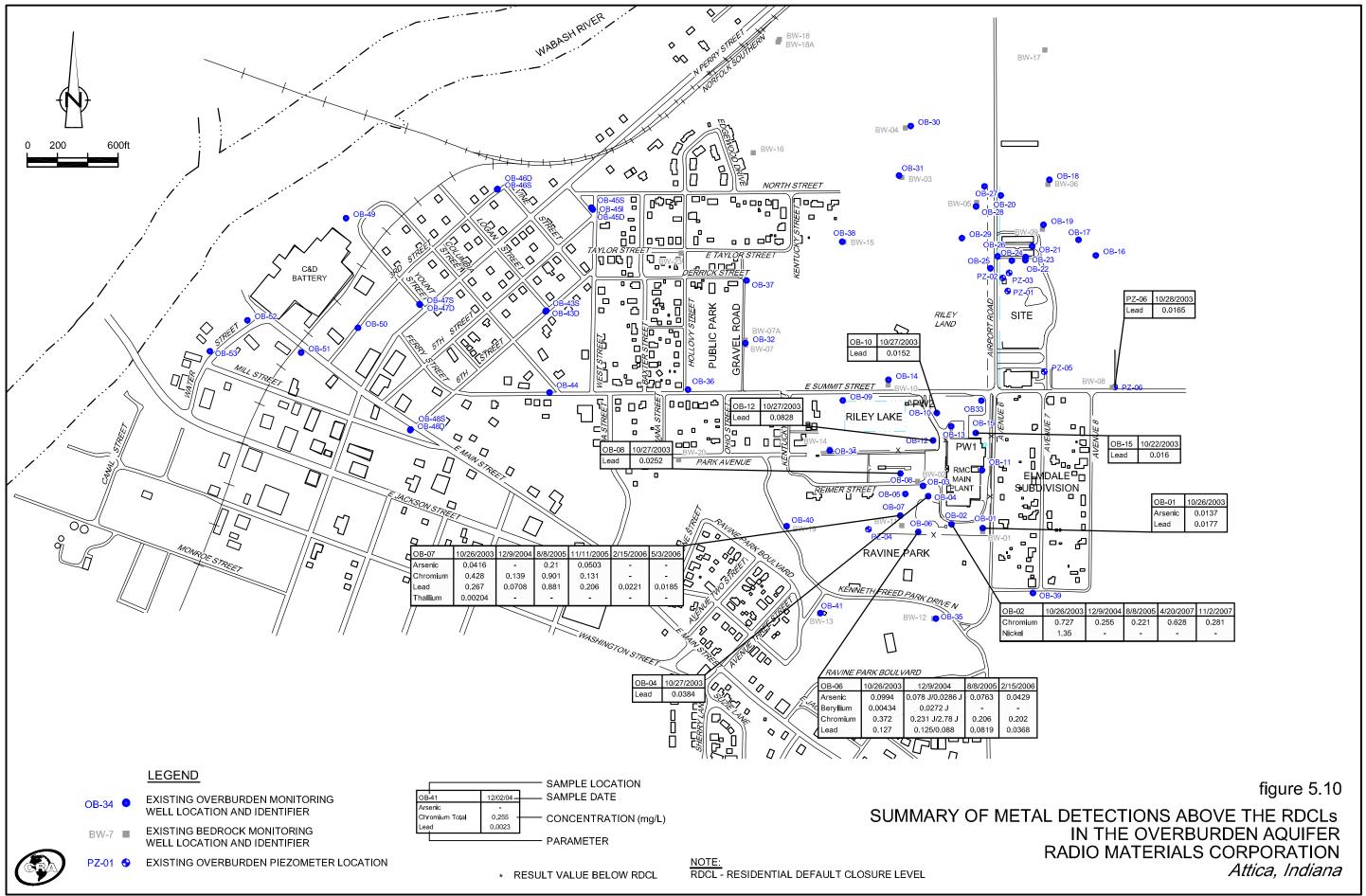
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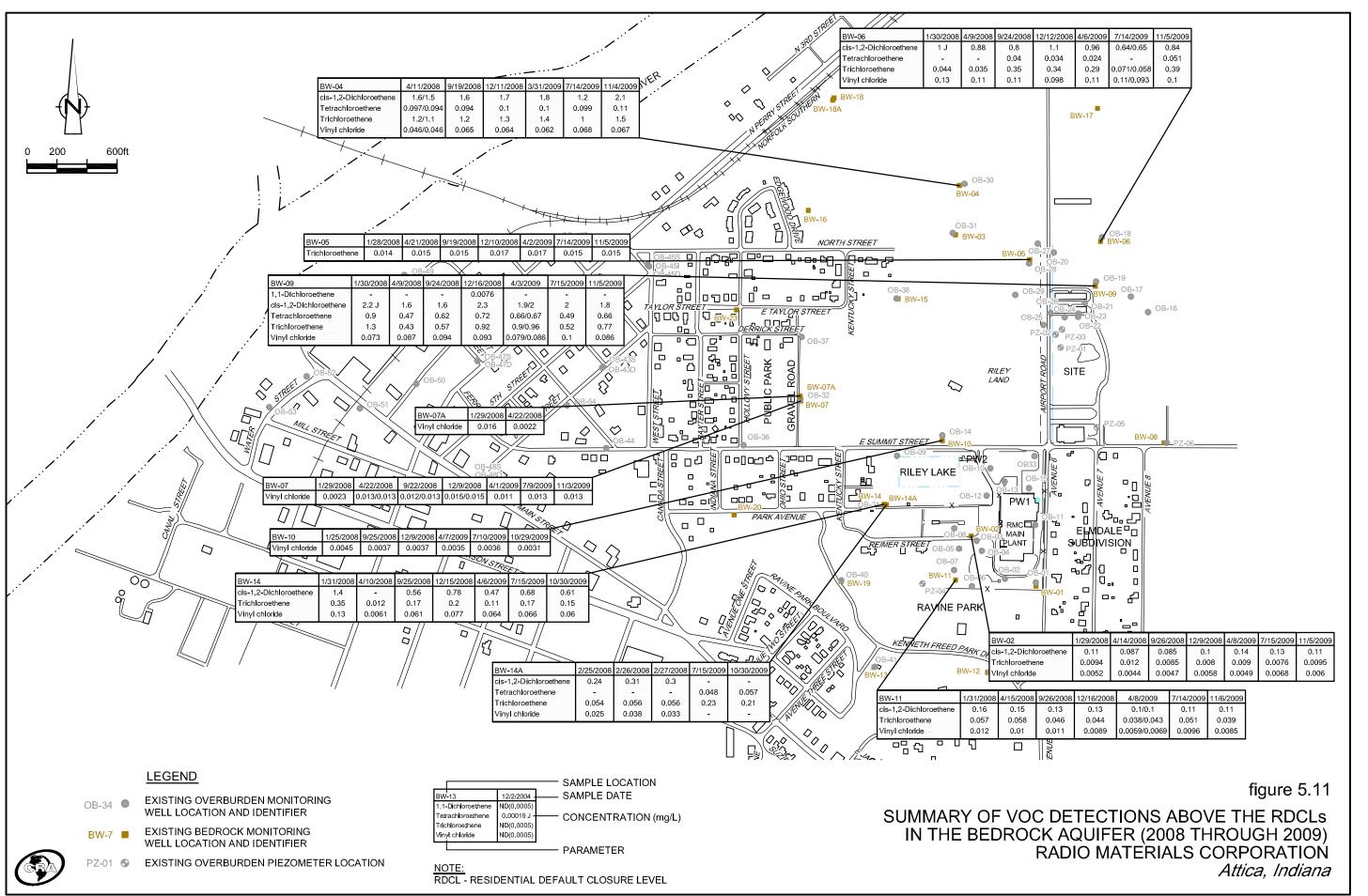
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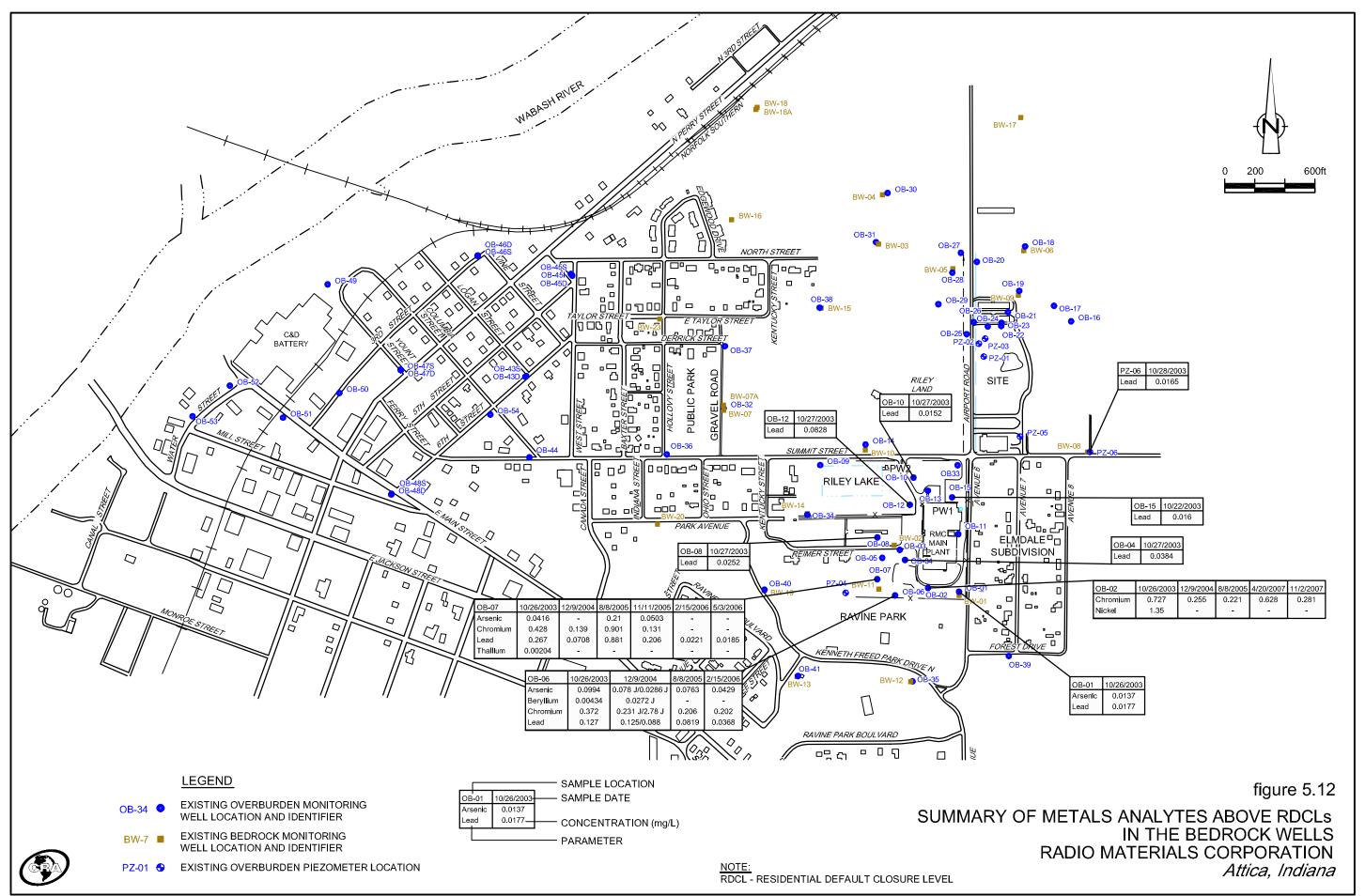


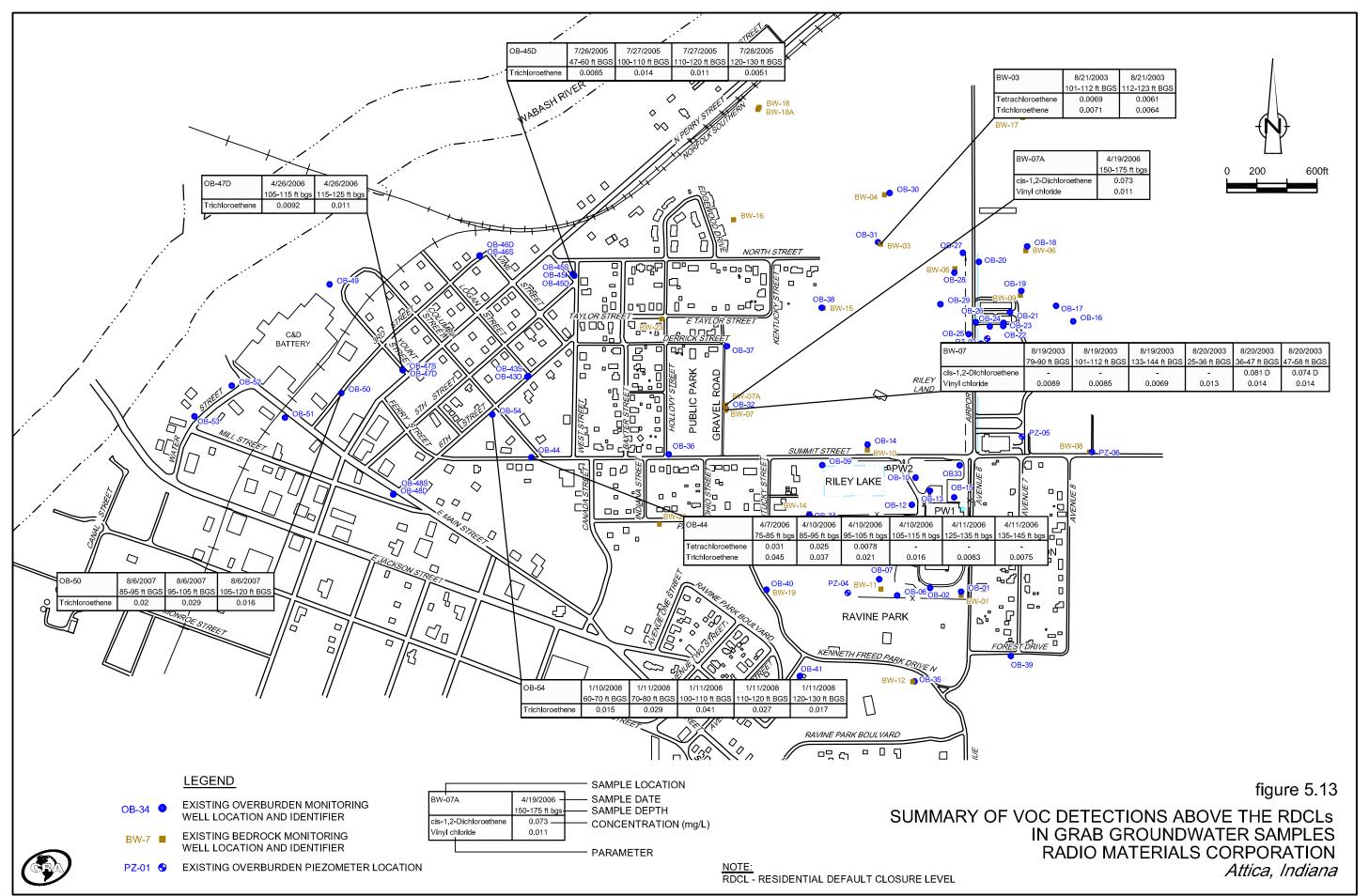


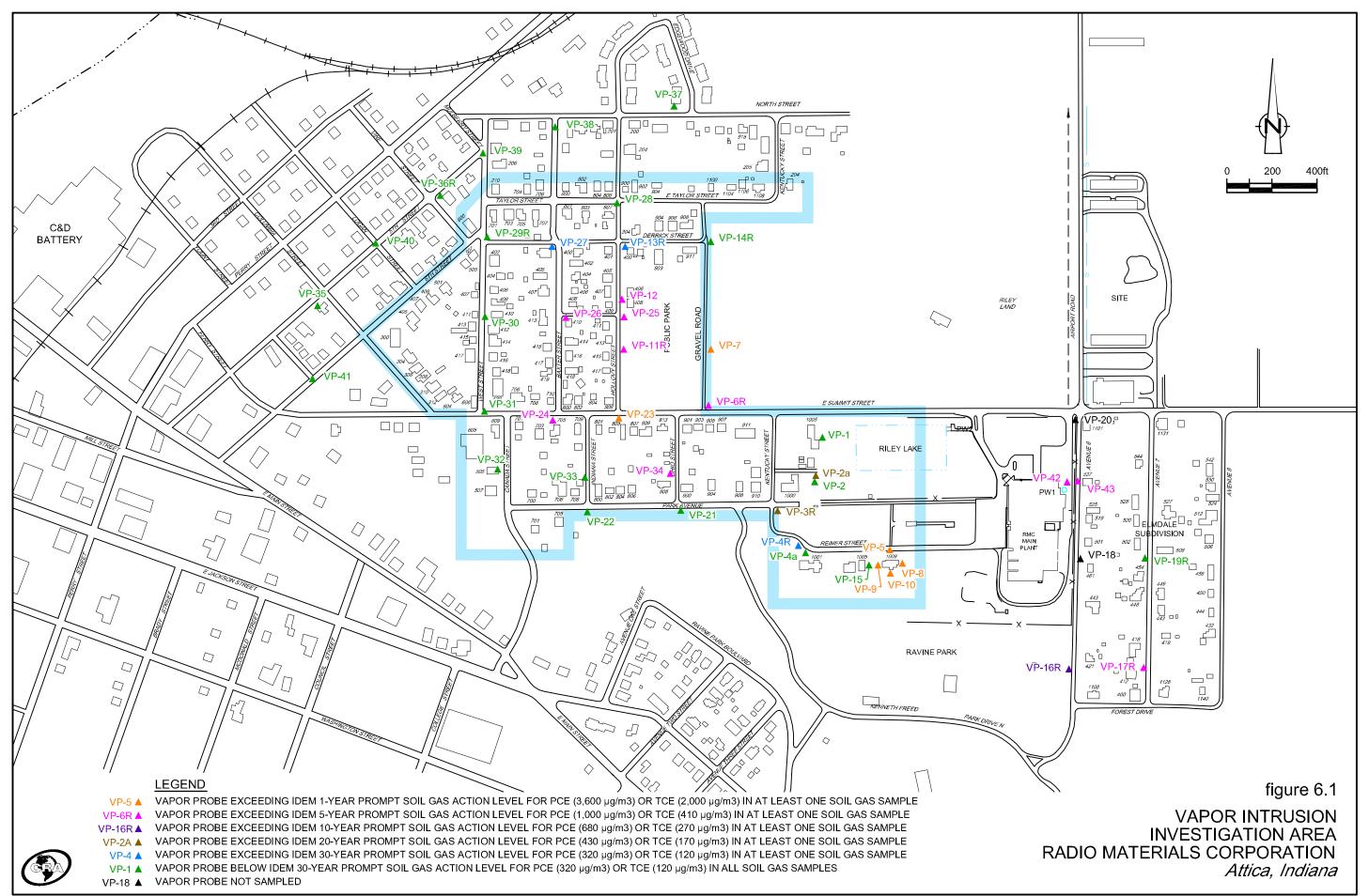


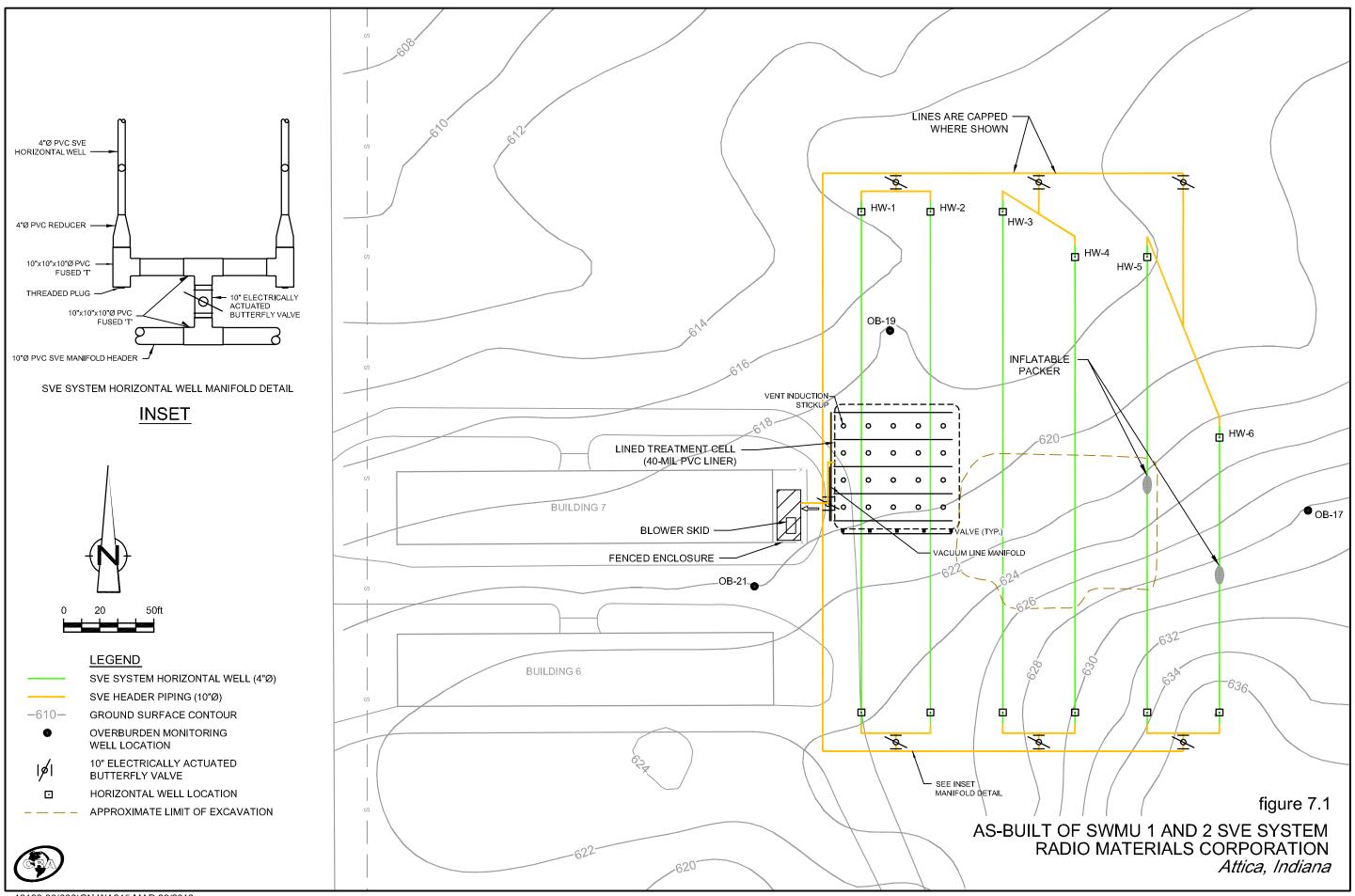


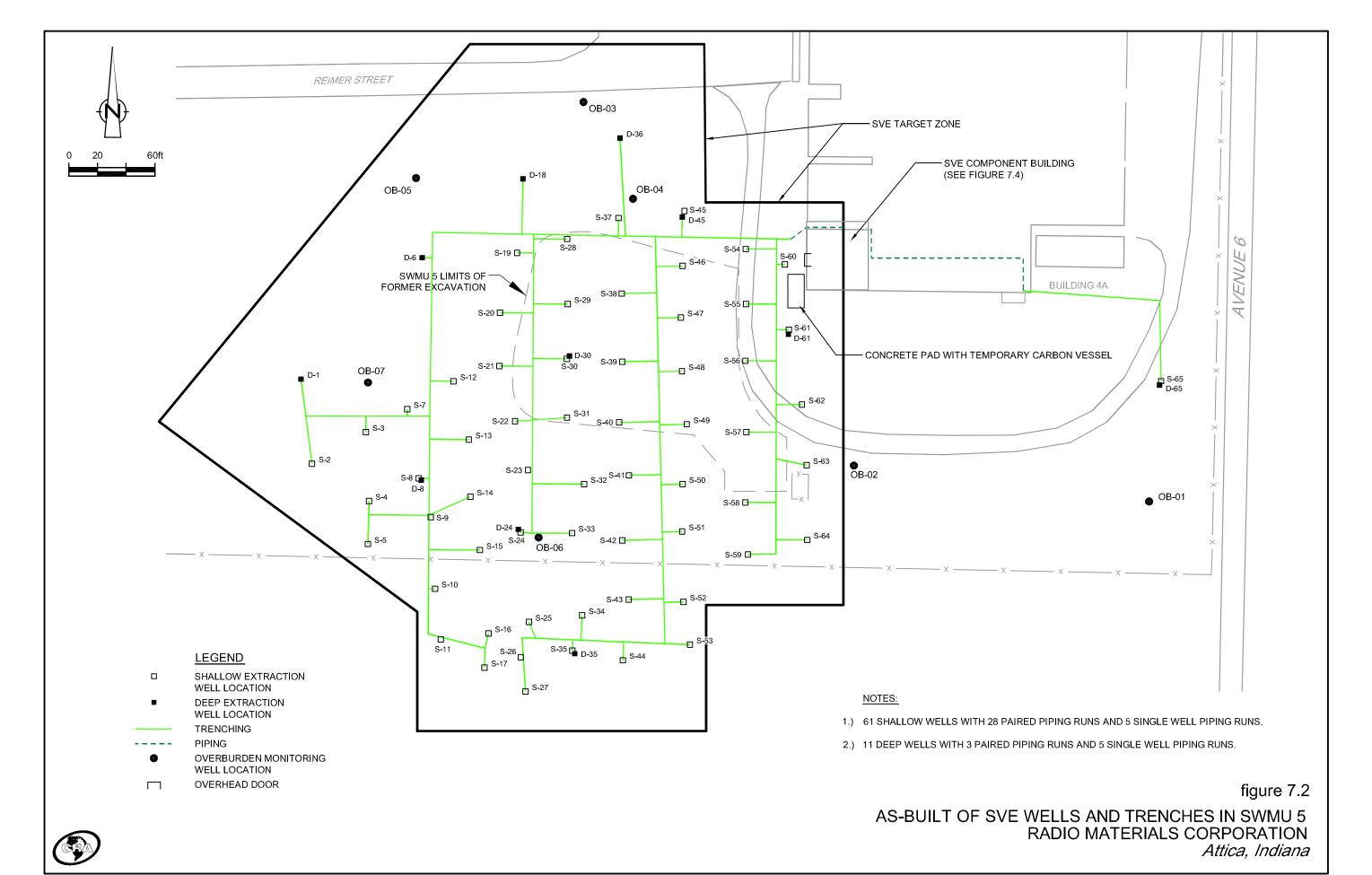


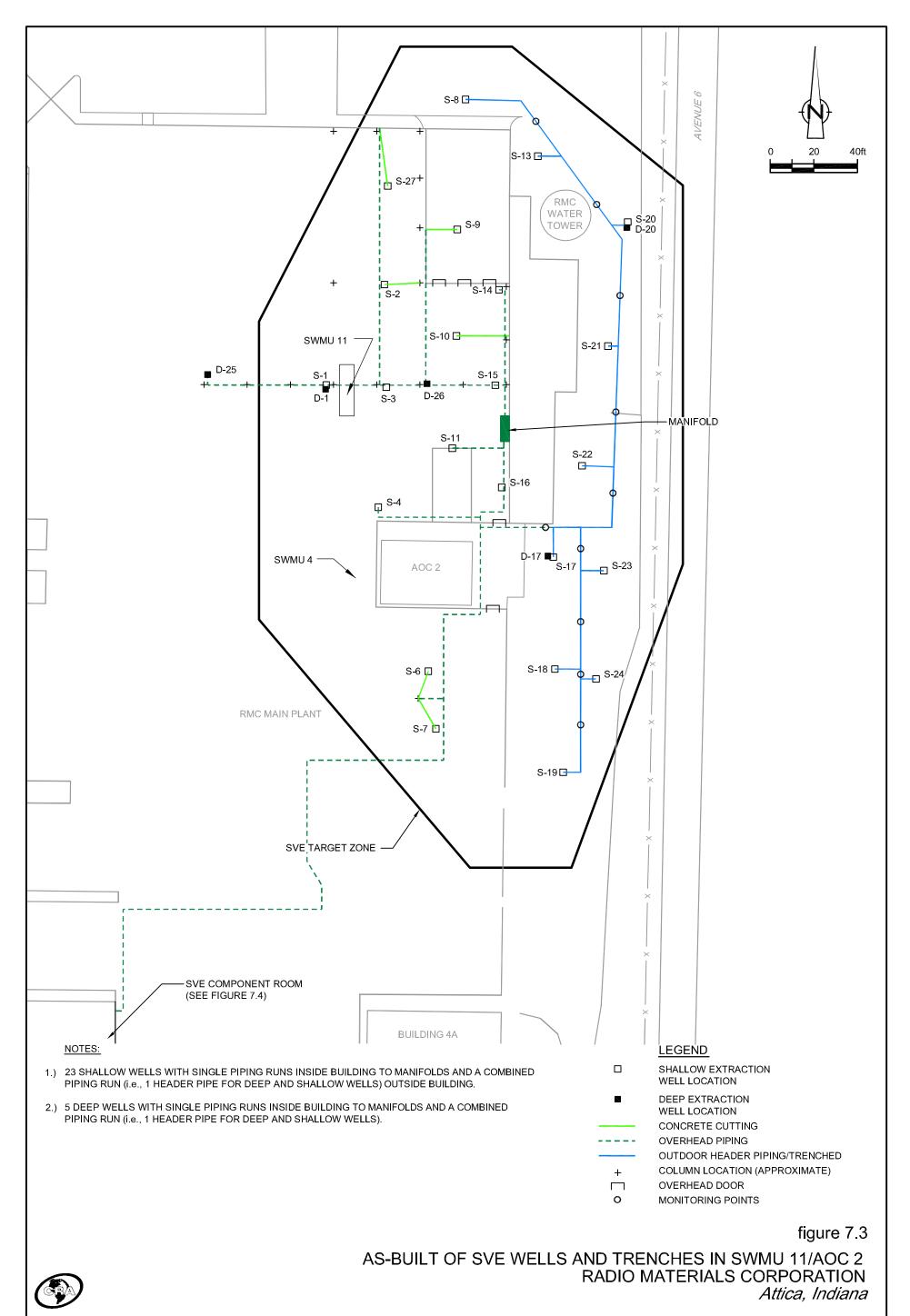


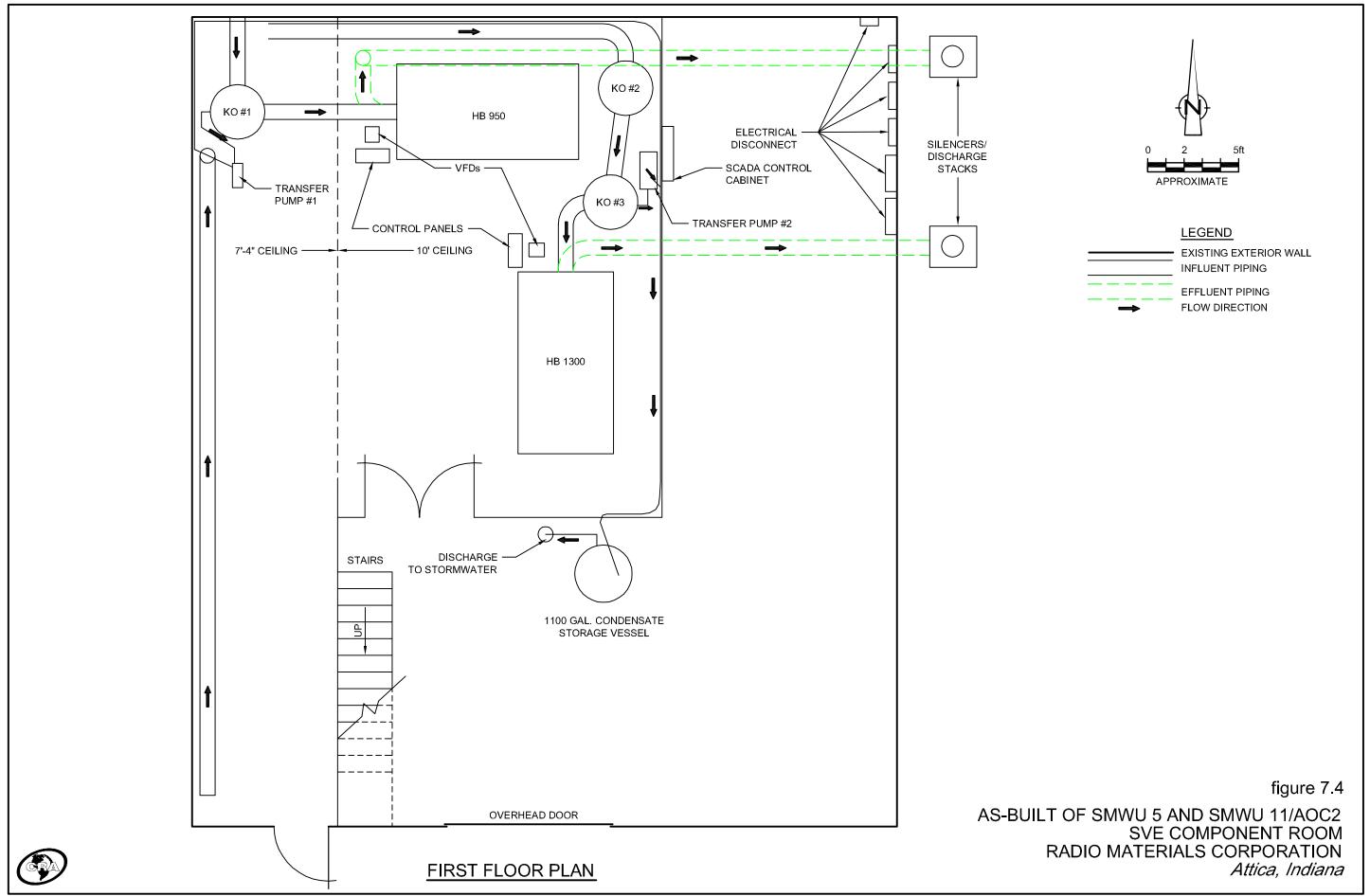


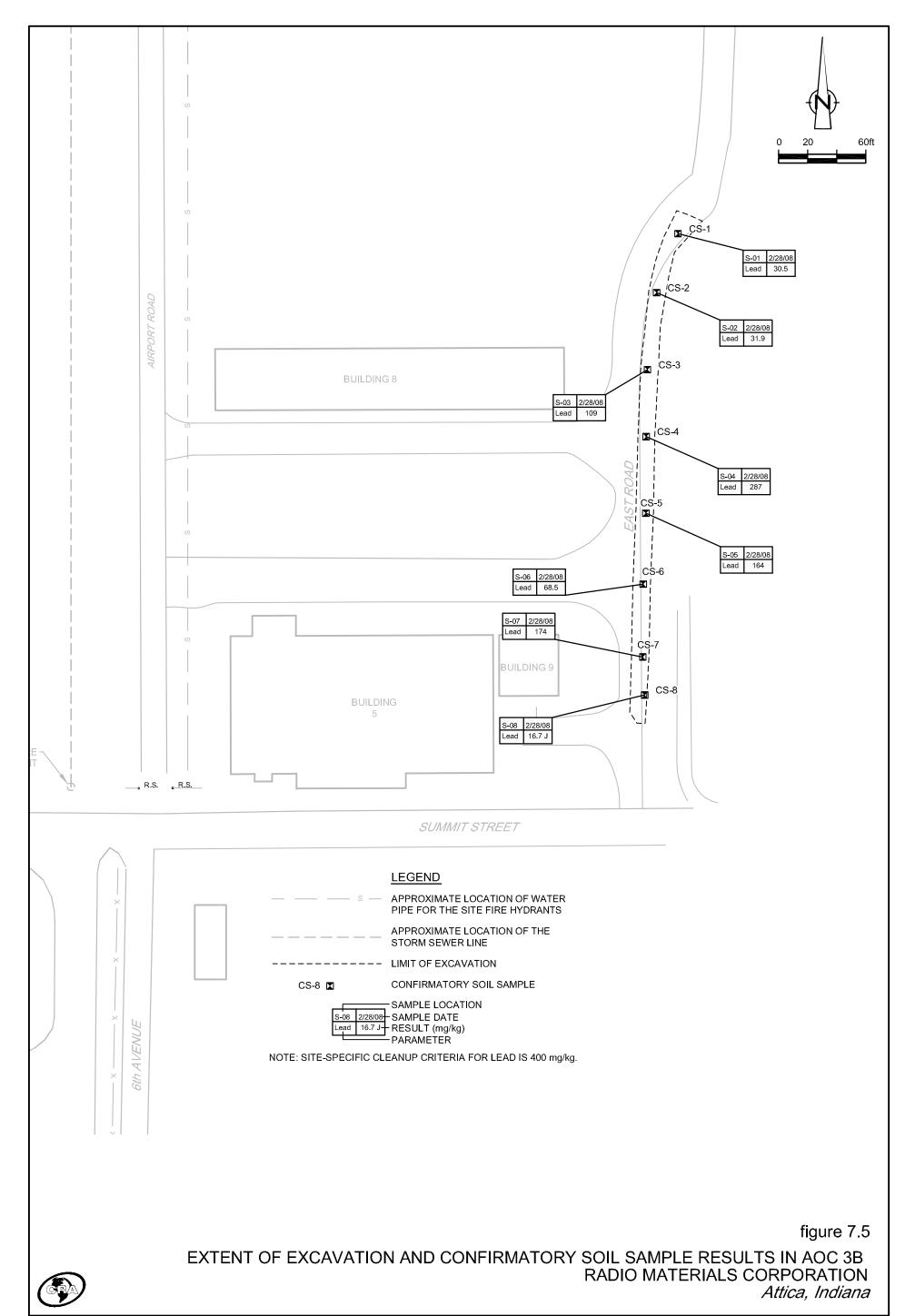


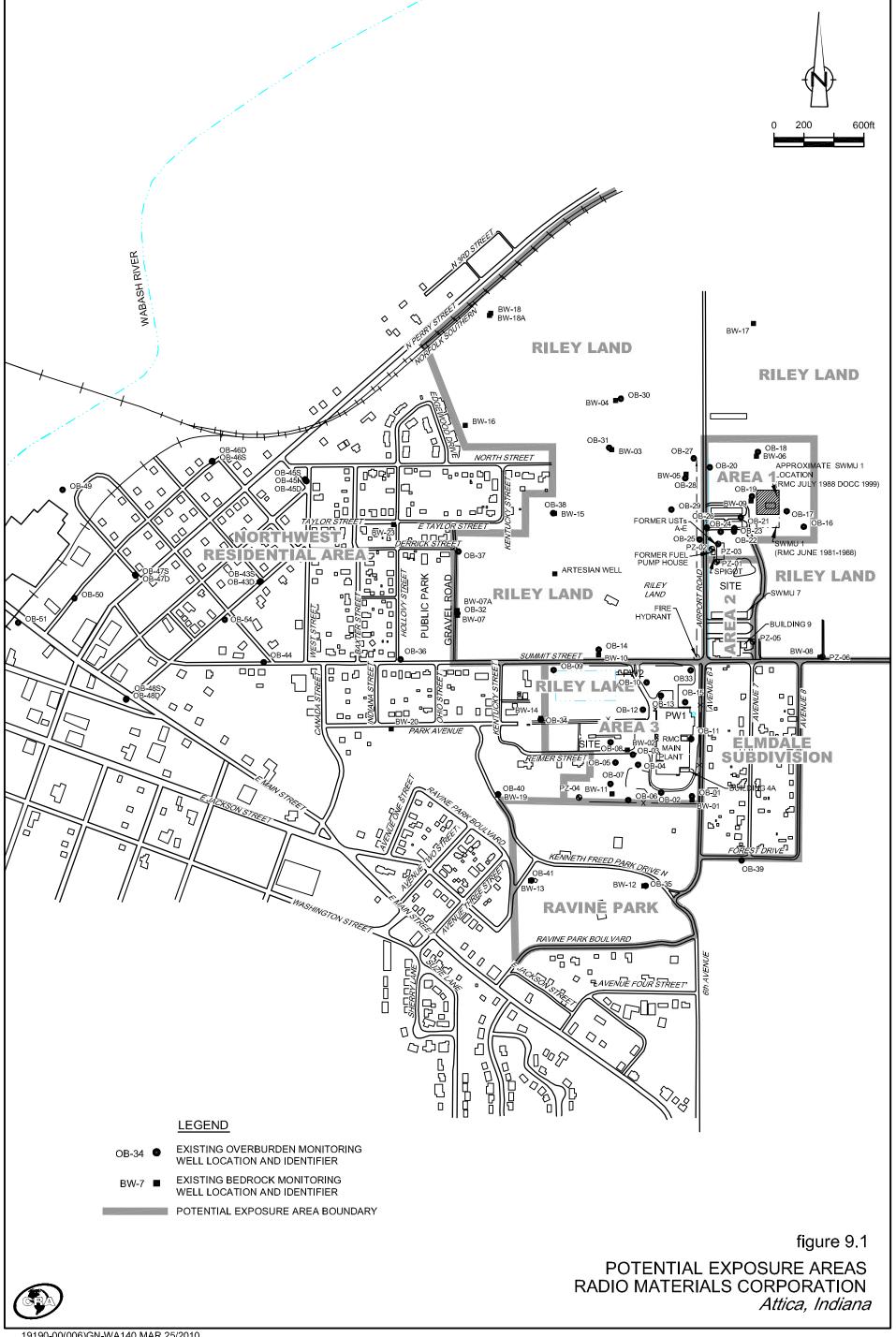














PHASE IIB RCRA FACILITY INVESTIGATION REPORT VOLUME II (TABLES)

RADIO MATERIALS CORPORATION ATTICA, INDIANA

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OCTOBER 2005 REVISED MAY 21, 2010 REF. NO. 019190 (6)

TABLE 2.1

HYDROGEOLOGIC PROPERTIES OF THE UNCONSOLIDATED AND BEDROCK AQUIFERS
OF THE MIDDLE WABASH RIVER BASIN
RADIO MATERIALS CORPORATION

ATTICA, INDIANA

Aquifer Type	Thickness (feet)	Range of Yield (gallons per minute)	Reported Pumping Rate ¹ (gallons per minute)	Common Lithologic Name(s)
Surficial sand and gravel	10-150	300-2,700 ^{2,3}	10-781	Outwash, valley train
Buried sand and gravel	10-225	25-1,500 ^{3,4}	5-1,012	Valley fill
Discontinuous sand and gravel	5-55 ⁵	5-300 ^{2,4}	2-320	Intertill sands
Completely interbedded sandstone, shale, limestone, and coal	30-375 ⁵	3-70 ^{3,4}	0.1-35	Raccoon Creek Group Carbondale Group
Sandstone	30-250	8-75 ^{3,6}	1-40	Mansfield Formation
Carbonate bedrock Mississippian	25-225	5-60 ^{2,7}	10-30	Sanders Group Blue River Group
Silurian-Devonian	20-90 ⁵	<500 ²	50-800	Wabash Foundation
Upper weathered bedrock	25-175 ⁵	1-270 ^{6,7}	2-150	Borden Group

Notes:

- Reported pump rates refer to noted pump rates at the time of well installation and may not represent a "true" well yield.
- ² Bechert and Heckard, 1966.
- ³ Cable and others, 1971.
- ⁴ Nyman and Pettijohn, 1971.
- Reported thicknesses refer to observed and inferred permeable zones and may not correlate with specific formation thicknesses.
- Arihood and MacKenzie, 1983.
- ⁷ Cable and Robinson, 1974.

Source: Hydrogeologic Atlas of Aquifers in Indiana (U.S.G.S. 1994).

TABLE 2.2

SUMMARY OF MUNICIPAL SUPPLY WELL CONSTRUCTION INFORMATION RADIO MATERIALS CORPORATION ATTICA, INDIANA

Indiana Well Reference Number	Water Supply Well	Location	Date Completed	Depth (feet)	Screen Length (feet)
133750	Attica City Well 1	Wabash River	1/1/1947	125	30
133745	Attica City Well 2	Wabash River	6/8/1955	103.5	32.5
133755	Attica City Well 3 (formerly 4)	Wabash River	10/1/1981	111	20
133740	Attica City Well 2 (abandoned)	Wabash River	4/1/1954	193	
133760	Attica City Well 3 (abandoned)	Wabash River	8/16/1973	110	30

TABLE 2.3

SUMMARY OF TCE ANALYTICAL DATA FOR MUNICIPAL SUPPLY WELLS RADIO MATERIALS CORPORATION ATTICA, INDIANA

TCE Concentration (ug/L)

	TCE Concentration (ug/L)						
Date	Well #1	Well #2	Treatment System				
2/22/2001	3.1	1.8					
3/19/2002	3.0	1.1					
5/12/2003	3.3	1.2					
8/2/2004	4.7	1.5					
3/3/2005	5.5	1.1					
3/29/2005	2.5	2.5					
6/20/2005	5.5	1.6					
9/7/2005	3.7	2.5					
12/21/2005	4.8	1.8					
1/23/2006	3.7	1.1					
6/13/2006	2.4	<0.5					
8/28/2006	3.8	2.0					
11/15/2006	0.7	1.7					
3/12/2007	2.8	0.9					
5/14/2007	1.8	0.6					
8/6/2007	3.86	2.42					
11/26/2007	6.74	3.03					
2/26/2008	3.71	1.17					
5/19/2008	5.3	3.3					
9/8/2008	4.38	<0.5					
11/11/2008	4.2	2.33					
2/16/2009	4	2.3					
6/9/2009	2.8	1.9					
9/30/2009	2.8	<0.5					
12/14/2009 1			3.3				
2/9/2010 ²			<0.5				

Source: Indiana Department of Environmental Management - Drinking Water Branch

Beginning in December 2009, the water sample was collected from the sample port of the water treatment system rather than from the individual well houses

 $^{^{\}rm 2}\,$ Represents the first water sample collected following start up of the water treatment system

TABLE 3.1

SITE MONITORING WELL AND PIEZOMETER CONSTRUCTION DETAILS RADIO MATERIALS CORPORATION ATTICA, INDIANA

					ICA, INDIANA	1.0	W 11.0 ·	T 4 3	C
	Installation	Installation	TOC ⁴	Ground ² Surface	Top	l Screen Bottom	Well Casır Riser	ig Length ³ Screen	Screen Slot
Well No.	RFI Phase ¹	Date	Elevation ⁵	Elevation	Elevation	Elevation	(feet)	(feet)	Size
Overburden Mon OB-01	<u>itoring Wells</u> RFI-IIA	1/30/2001	658.48	568.76	605.98	595.98	52.50	10	0.010
OB-02	RFI-I	1/19/2000	659.03	659.32	614.83	604.83	44.20	10	0.010
OB-03 OB-04	RFI-I PRE-RFI	1/25/2000 8/11/1995	661.93 664.40	662.26 662.03	612.65 612.74	602.65 602.74	49.28 51.66	10 10	0.010 0.010
OB-05	RFI-I	1/20/2000	660.40	660.69	611.18	601.18	49.22	10	0.010
OB-06 OB-06R	RFI-IIA RFI-IIA	2/1/2001 7/7/2009	653.82 653.35	654.65 653.90	599.96 600.03	589.96 590.03	53.86 53.32	10 10	0.010 0.010
OB-07	RFI-IIA	2/1/2001	656.14	656.42	603.81	593.81	52.33	10	0.010
OB-08 OB-09	RFI-IIA RFI-IIB	1/31/2001 9/18/2003	662.24 658.43	662.47 655.89	603.69 608.20	593.69 598.20	58.55 50.23	10 10	0.010 0.010
OB-10	RFI-IIA	3/22/2001	666.39	666.49	606.46	596.46	59.93	10	0.010
OB-11 OB-12	RFI-I RFI-IIA	1/26/2000 3/22/2001	660.13 664.47	660.28 664.69	610.76 611.35	600.76 601.35	49.37 53.12	10 10	0.010 0.010
OB-13	RFI-IIA	2/22/2001	664.60	664.71	610.24	600.24	54.36	10	0.010
OB-14 OB-15	RFI-IIA RFI-IIB	1/31/2001 9/11/2003	662.32 662.86	662.60 663.24	607.26 600.62	597.26 590.62	55.06 62.24	10 10	0.010 0.010
OB-16	RFI-IIB	9/17/2003	637.31	634.86	613.89	603.89	23.42	10	0.010
OB-17 OB-18	RFI-IIA RFI-IIB	1/29/2001 8/26/2003	631.04 611.34	628.35 608.75	609.14 603.32	599.14 593.32	21.90 8.02	10 10	0.010 0.010
OB-19	RFI-IIA	1/29/2001	621.49	618.50	611.97	601.97	9.52	10	0.010
OB-20 OB-21	RFI-IIA RFI-IIB	1/29/2001 9/15/2003	606.70 619.65	606.89 620.04	602.90 611.65	592.90 601.65	3.80 8.00	10 10	0.010 0.010
OB-22	RFI-IIA	1/29/2000	623.53	623.82	606.58	596.58	16.95	10	0.010
OB-23 OB-24	RFI-I RFI-I	1/27/2000 1/27/2000	623.59 623.22	623.84 623.63	615.02 614.81	605.02 604.81	8.57 8.41	10 10	0.010 0.010
OB-24 OB-25	RFI-IIB	9/16/2003	623.82	620.98	608.37	598.37	15.45	10	0.010
OB-26	RFI-IIB	9/16/2003	623.85	621.57	608.60	598.60	15.25	10	0.010
OB-27 OB-28	RFI-IIB RFI-IIA	9/16/2003 1/29/2001	605.24 607.52	602.59 604.42	596.85 600.09	586.85 590.09	8.39 7.43	10 10	0.010 0.010
OB-29	RFI-IIB	9/16/2003	611.86	609.49	603.46	593.46	8.40	10	0.010
OB-30 OB-31	RFI-IIB RFI-IIB	8/26/2003 8/7/2003	585.23 592.16	582.55 589.17	582.98 573.40	572.98 563.40	2.25 18.76	10 10	0.010 0.010
OB-32	RFI-IIB	8/6/2003	597.71	594.98	585.76	575.76	11.95	10	0.010
OB-33 OB-34	RFI-IIB RFI-IIB	10/19/2004 10/25/2004	670.61 663.52	670.88 660.87	610.16 602.92	600.16 592.92	60.45 60.60	10 10	0.010 0.010
OB-35	RFI-IIB	11/3/2004	642.66	639.86	617.08	607.08	25.58	10	0.010
OB-36 OB-37	RFI-IIB RFI-IIB	11/5/2004 10/29/2004	598.76 587.02	596.28 584.06	591.73 576.30	581.73 571.30	7.03 10.72	10 5	0.010 0.010
OB-38	RFI-IIB	10/4/2004	602.50	599.61	582.04	572.04	20.46	10	0.010
OB-39 OB-40	RFI-IIB RFI-IIB	7/6/2005 7/6/2005	649.01 612.69	646.15 609.76	616.91 599.65	606.91 589.65	32.10 13.04	10 10	0.010 0.010
OB-41	RFI-IIB	11/1/2004	620.64	617.70	608.64	598.64	12.00	10	0.010
OB-43S OB-43D	RFI-IIB RFI-IIB	7/18/2005	552.39 552.30	552.65 552.74	487.75	477.75	64.64 129.00	10 10	0.010
OB-43D OB-44	RFI-IIB RFI-IIB	8/18/2005 4/13/2006	568.62	568.74	423.30 492.82	413.30 482.82	75.80	10	0.010 0.010
OB-45S	RFI-IIB RFI-IIB	8/4/2005	538.98	539.49	489.12	479.12 429.20	49.86 100.28	10 10	0.010
OB-45I OB-45D	RFI-IIB RFI-IIB	8/3/2005 7/7/2005	539.48 539.44	539.66 539.83	439.20 412.88	402.88	126.56	10	0.010 0.010
OB-46S	RFI-IIB	5/8/2006	528.02	528.56	428.47	418.47	99.55	10	0.010
OB-46SR OB-46D	RFI-IIB RFI-IIB	7/7/2009 4/20/2006	527.81 528.03	528.42 528.33	430.34 407.04	420.34 397.04	97.47 120.99	10 10	0.010 0.010
OB-47D	RFI-IIB	4/26/2006	530.58	530.78	407.24	397.24	123.34	10	0.010
OB-47S OB-48D	RFI-IIB RFI-IIB	5/9/2006 4/25/2006	530.37 552.61	530.65 552.94	452.12 410.32	442.12 400.32	78.25 142.29	10 10	0.010 0.010
OB-48S	RFI-IIB	5/9/2006	552.66	552.85	478.14	468.14	74.52	10	0.010
OB-49 OB-50	RFI-IIB RFI-IIB	7/31/2007 8/6/2007	515.20 531.90	515.47 532.20	430.50 432.20	420.50 422.20	84.70 99.70	10 10	0.010 0.010
OB-51	RFI-IIB	8/8/2007	528.70	528.83	443.80	433.80	84.90	10	0.010
OB-52 OB-53	RFI-IIB RFI-IIB	8/3/2007 8/7/2007	524.30 520.50	525.22 520.81	428.20 465.80	418.20 455.80	96.10 54.70	10 10	0.010 0.010
OB-54	RFI-IIB	1/11/2008	554.21	554.80	454.38	444.38	99.83	10	0.010
Piezometers									
PZ-01	PRE-RFI	6/23/1998	632.95	632.88	613.87	603.87	19.08	10	0.010
PZ-02 PZ-03	PRE-RFI PRE-RFI	6/23/1998 6/23/1998	630.25 628.08	630.32 628.16	613.27 613.65	603.27 603.65	16.98 14.43	10 10	0.010 0.010
PZ-04	RFI-IIB	9/17/2003	657.75	655.34	608.38	598.38	49.37	10	0.010
PZ-05 PZ-06	RFI-IIB RFI-IIB	9/15/2003 9/2/2003	665.53 659.90	662.86 657.45	610.13 614.20	600.13 604.20	55.40 45.70	10 10	0.010 0.010
PZ-06R	RFI-IIB	7/7/2009	659.86	657.24	614.17	604.17	45.69	10	0.010
Bedrock Wells									
BW-01 BW-02	RFI-IIB RFI-IIB	9/22/2003 9/19/2003	660.81 662.21	658.25 662.31	567.98 568.70	557.98 558.70	92.83 93.51	10 10	0.010 0.010
BW-03	RFI-IIB	9/22/2003	592.95	590.28	553.51	543.51	39.44	10	0.010
BW-04 BW-05	RFI-IIB RFI-IIB	9/19/2003 9/19/2003	584.22 606.15	581.98 604.00	559.77 576.17	549.77 566.17	24.45 29.98	10 10	0.010 0.010
BW-06	RFI-IIB	9/10/2003	612.60	610.07	570.10	560.10	42.50	10	0.010
BW-07	RFI-IIB	9/22/2003	597.75	595.35 504.10	565.50	555.50 207.52	32.25	10	0.010
BW-07A BW-08	RFI-IIB RFI-IIB	4/25/2006 9/10/2003	596.53 659.70	594.10 657.38	407.53 580.50	397.53 570.50	189.00 79.20	10 10	0.010 0.010
BW-09	RFI-IIB	9/18/2003	621.18	618.86	589.33	579.33	31.85	10	0.010
BW-10 BW-11	RFI-IIB RFI-IIB	9/19/2003 11/16/2004	663.88 655.94	663.92 653.44	574.96 576.86	564.96 566.86	88.92 79.08	10 10	0.010 0.010
BW-12	RFI-IIB	11/19/2004	641.90	638.75	578.19	568.19	63.71	10	0.010
BW-13 BW-14	RFI-IIB RFI-IIB	11/18/2004 11/11/2004	621.18 663.04	617.81 660.73	567.40 572.46	557.40 562.46	53.78 90.58	10 10	0.010 0.010
BW-14A	RFI-IIB	1/11/2008	662.40	661.00	NA ⁶	NA	NA	NA	NA
BW-15 BW-16	RFI-IIB RFI-IIB	11/10/2004 10/15/2004	602.79 557.60	600.01 554.37	554.59 504.21	544.59 494.21	48.20 53.39	10 10	0.010 0.010
BW-16 BW-17	RFI-IIB RFI-IIB	10/15/2004 10/14/2004	593.15	554.37	504.21 577.84	494.21 567.84	15.31	10	0.010
BW-18	RFI-IIB	10/8/2004	557.23 556.84	554.33 554.10	504.16 365.05	494.16 355.05	53.07 191.79	10	0.010
BW-18A BW-19	RFI-IIB RFI-IIB	5/23/2006 8/11/2005	556.84 612.93	554.10 609.70	365.05 560.70	355.05 550.70	52.23	10 10	0.010 0.010
BW-20	RFI-IIB	8/10/2005 8/16/2005	622.57 562.74	619.52 562.95	562.17 512.19	552.17 502.19	60.40 50.55	10	0.010
BW-23	RFI-IIB	8/16/2005	562.74	562.95	512.19	502.19	50.55	10	0.010

Notes:

- $^{\rm 1}\,$ Well construction data for Pre-Phase IIB wells provided by Bodine.
- 2 Ground surface elevations of the flushmount wells were taken from the December 2002 TOC elevations with a a correction factor from the previous TOC and ground elevation survey
- ³ Wells constructed of 2-inch diameter PVC materials
- ⁴ TOC top of casing
- $^{\rm 5}\,$ TOC elevations are referenced to the Indiana West State Plane Coordinates NAVD88, NAD83
- $^6\,$ NA Not applicable

TABLE 3.2 Page 1 of 5

SUMMARY OF GEOTECHNICAL DATA RADIO MATERIALS CORPORATION ATTICA, INDIANA

Sample Location: Sample ID: Sample Date: Sample Depth:		BW-02 GT-081503-JM-001 8/15/2003 (30-34) ft BGS	BW-10 GT-082803-JM-002 8/28/2003 (62-64) ft BGS	OB-09 GT-100203-JM-005 10/2/2003 (56-58) ft BGS	OB-15 GT-100203-JM-006 10/2/2003 (14-16) ft BGS	OB-15 GT-100203-JM-007 10/2/2003 (44-46) ft BGS	PZ-04 GT-100203-JM-004 10/2/2003 (52-54) ft BGS
Parameters	Units						
Bulk density	pcf ¹	115.8	117.6	120.7	106.0	122.3	113.3
Cation exchange capacity	$meq/100g^2$	21.9	52.8	2.54	1.53	1.61	1.56
Fraction organic carbon (FOC)	%	-	-	-	-	-	-
Moisture Content	%	16.7	13.4	13.7	17.6	5.3	17.5
Total organic carbon (TOC)	%	1.3	1.0	0.8	0.7	0.8	1.4
Clay	%	-	-	-	-	-	-
Gravel	%	30	34	36	24	35	48
Sand	%	58	61	59	56	58	33
Silt	%	-	-	-	-	-	-
Silt/Clay	%	12	5	5	20	7	19
USCS ³ Classification		Brown clayey SAND, some gravel (SC)	Brown SAND, some gravel, trace silt and clay (SP)	Brown and gray SAND and GRAVEL, trace silt and clay (SP)	Gray silty SAND and GRAVEL (SM)	Gray SAND and GRAVEL, trace silt and clay (SP)	Brown and gray clayey SAND and GRAVEL (SC)

TABLE 3.2 Page 2 of 5

SUMMARY OF GEOTECHNICAL DATA RADIO MATERIALS CORPORATION ATTICA, INDIANA

Sample Location: Sample ID: Sample Date: Sample Depth:		PZ-06 GT-090203-JM-003 9/2/2003 (48-50) ft BGS	VP-1 VP-1 5/18/2005 (2-7) ft BGS	VP-1 VP-1 5/18/2005 (8-10) ft BGS	VP-2a VP-2a 5/17/2005 (2-8) ft BGS	VP-2a VP-2a 5/17/2005 (8-17) ft BGS	VP-2a VP-2a 5/17/2005 (17-20) ft BGS	VP-3 VP-3 5/17/2005 (2-7) ft BGS
Parameters	Units							
Bulk density	pcf ¹	123.2	95.5	134.6	102.1	110.2	120.0	110.0
Cation exchange capacity	meq/100g ²	21.5	-	-	-	-	-	-
Fraction organic carbon (FOC)		-	2.1	0.8	2.8	2.2	1.1	1.9
Moisture Content	%	11.6	28.3	9.2	24.1	16.0	14.9	19.7
Total organic carbon (TOC)	%	1.6	-	-	-	-	-	-
Clay	%	-	28	4	26	19	0	30
Gravel	%	19	0	8	0	14	13	0
Sand	%	48	12	61	14	36	76	22
Silt	%	-	60	27	60	31	11	48
Silt/Clay	%	33	-	-	-	-	-	-
USCS ³ Classification		Brown clayey SAND, little GRAVEL (SC)	Brown very silty CLAY, little sand (CL)	Brown silty SAND, trace clay and gravel (SM)	Brown very silty CLAY, little sand (CL)	Brown silty CLAY, some sand, little gravel (CL)	Brown SAND, little silt, clay and gravel (SP/SM)	Brown very silty CLAY, some sand (CL)

TABLE 3.2 Page 3 of 5

SUMMARY OF GEOTECHNICAL DATA RADIO MATERIALS CORPORATION ATTICA, INDIANA

Sample Location: Sample ID: Sample Date: Sample Depth:		VP-3 VP-3 5/17/2005 (8-10) ft BGS	VP-4a VP-4a 5/17/2005 (2-9) ft BGS	VP-4a VP-4a 5/17/2005 (12-18) ft BGS	VP-4a VP-4a 5/17/2005 (18-20) ft BGS	VP-5 VP-5 5/17/2005 (2-4) ft BGS	VP-5 VP-5 5/17/2005 (4-7) ft BGS
Parameters	Units						
Bulk density	pcf ¹	140.6	100.8	137.0	128.0	123.5	144.4
Cation exchange capacity	meq/100g	-	-	-	-	-	-
Fraction organic carbon (FOC)	%	0.9	2.6	0.8	2.5	1.9	2.2
Moisture Content	%	4.8	24.8	5.0	11.7	13.5	5.4
Total organic carbon (TOC)	%	-	-	-	-	-	-
Clay	%	2	31	3	18	11	2
Gravel	%	27	0	32	6	12	34
Sand	%	69	7	60	47	54	61
Silt	%	2	62	5	29	23	3
Silt/Clay	%	-	-	-	-	-	-
USCS ³ Classification		Brown SAND and GRAVEL, trace silt and clay (SP-GP)	Brown very silty CLAY, trace sand (CL)	Brown SAND, some gravel, trace silt and clay (SP)	Brownish gray clayey SAND, some silt, trace gravel (SC)	Brown silty SAND, little clay and gravel (SM)	Brown SAND and GRAVEL, trace silt and clay (SP-GP)

TABLE 3.2 Page 4 of 5

SUMMARY OF GEOTECHNICAL DATA RADIO MATERIALS CORPORATION ATTICA, INDIANA

Sample Location: Sample ID: Sample Date: Sample Depth:		VP-5 VP-5 5/17/2005 (7-10) ft BGS	VP-6 VP-6 5/18/2005 (1-3) ft BGS	VP-6 VP-6 5/18/2005 (4-10) ft BGS	VP-7 VP-7 5/18/2005 (1-4) ft BGS	VP-7 VP-7 5/18/2005 (6-9) ft BGS	VP-10 VP-10 7/8/2005 (1-10) ft BGS
Parameters	Units						
Bulk density	pcf1	126.5	106.5	139.4	113.0	135.8	99.8
Cation exchange capacity	meq/100g ²	-	-	-	-	-	-
Fraction organic carbon (FOC)	%	1.1	1.9	0.9	2.6	1.6	2.1
Moisture Content	%	12.3	17.6	4.5	16.6	8.6	25.5
Total organic carbon (TOC)	%	-	-	-	-	-	-
Clay	%	18	21	1	29	4	45
Gravel	%	8	15	40	2	45	0
Sand	%	46	56	55	35	44	3
Silt	%	28	8	4	34	7	52
Silt/Clay	%	-	-	-	-	-	-
USCS ³ Classification		Light brown silty SAND, little clay, trace gravel (SM)	Brown clayey SAND, little gravel, trace silt (SC)	Brown SAND and GRAVEL, trace silt and clay (SP-GP)	Brown silty CLAY, some sand, trace gravel (CL)	Brown SAND and GRAVEL, trace silt and clay (SP-GP)	Brown silty CLAY, trace sand (CL)

TABLE 3.2 Page 5 of 5

SUMMARY OF GEOTECHNICAL DATA RADIO MATERIALS CORPORATION ATTICA, INDIANA

Sample Location: Sample ID: Sample Date: Sample Depth:		VP-11 VP-11 8/10/2005 (2-7.5) ft BGS	VP-12 VP-12 8/10/2005 (1-5.5) ft BGS	VP-13 VP-13 8/10/2005 (1-8) ft BGS	VP-14 VP-14 8/10/2005 (1-2) ft BGS	VP-14 VP-14 8/10/2005 (2-7) ft BGS	VP-15 VP-15 12/7/2005 (1-5) ft BGS
Parameters	Units						
Bulk density	pcf ¹	104.6	119.9	95.5	100.9	107.8	104.8
Cation exchange capacity	meq/100g	2 -	-	-	-	-	-
Fraction organic carbon (FOC)	%	1.8	1.7	2.6	2.2	1.9	1.5
Moisture Content	%	22.6	15.0	26.0	21.6	17.6	22.0
Total organic carbon (TOC)	%	-	-	-	-	-	-
Clay	%	17	18	19	30	22	25
Gravel	%	31	29	45	3	38	1
Sand	%	40	34	28	19	22	22
Silt	%	12	19	8	48	18	52
Silt/Clay	%	-	-	-	-	-	-
USCS ³ Classification		Brown clayey SAND, some gravel, little silt (SC)	Dark brown clayey SAND and GRAVEL, little silt (SC-GC)	Dark brown clayey GRAVEL, some sand, trace silt (GC)	Dark brown silty CLAY, little sand, trace gravel (CL)	Brown clayey GRAVEL, some sand, little silt (GC)	Brown silty CLAY, some sand, trace gravel (CL)

Notes:

¹ pcf - pounds per cubic foot

² meq/100g - milliequivalents per 100 grams of soil

³ USCS - Unified Soil Classification System

		Ground	October	r 14, 2003	October	r 20, 2003	Novemb	er 24, 2003	Decembe	er 19, 2003	January	28, 2004	Februar	j 18, 2004	March	31, 2004	Novembe	er 30, 2004	Januar	y 25, 2005	July 2	7, 2005	Novemb	er 7, 2005	February	y 6, 2006
RFI-IIB	TOC1	Surface	Depth	Water	Depth	Water	Depth	Water	Depth	Water	Depth	Water	Depth	Water	Depth	Water	Depth	Water	Depth	Water	Depth	Water	Depth	Water	Depth	Water
Well No.	Elevation ²	Elevation	to Water ³	Elevation	to Water	Elevation																				
Overburden V OB-01	Vells/Piezometer 658.48	<u>rs</u> 658.76	50.22	608.26	50.29	608.19	51.71	606.77	50.77	607.71	49.54	608.94	50.02	608.46	50.49	607.99	51.35	607.13	50.00	608.48	50.90	607.58	51.50	606.98	51.41	607.07
OB-02	659.03	659.32	51.22	607.81	51.30	607.73	52.31	606.72	51.87	607.16	50.52	608.51	50.98	608.05	51.44	607.59	52.35	606.68	55.19	603.84	51.88	607.15	52.48	606.55	52.40	606.63
OB-03 OB-04	661.93 664.40	662.26 662.03	55.51 57.02	606.42 607.38	55.61 57.11	606.32 607.29	56.05 57.50	605.88 606.90	55.82 57.33	606.11 607.07	54.85 56.41	607.08 607.99	55.24 56.81	606.69 607.59	55.82 57.30	606.11 607.10	56.80 55.17	605.13 609.23	55.30 56.72	606.63 607.68	56.24 57.64	605.69 606.76	56.80 58.17	605.13 606.23	56.77 58.14	605.16 606.26
OB-05	660.40	660.69	54.33	606.07	54.43	605.97	54.54	605.86	54.50	605.90	53.78	606.62	54.12	606.28	54.64	605.76	55.59	604.81	54.12	606.28	55.00	605.40	55.62	604.78	55.66	604.74
OB-06	653.82	654.65	46.37	608.28	46.47	608.18	46.73	607.92	46.62	608.03	45.97	608.68	45.91	608.74	46.68	607.97	47.30	607.35	46.56	608.09	46.81	607.84	47.16	607.49	47.39	607.26
OB-06R OB-07	653.35 656.14	653.90 656.42	NI ⁴ 50.05	NI 606.09	NI 49.38	NI 606.76	NI 49.61	NI 606.53	NI 49.69	NI 606.45	NI 48.57	NI 607.57	NI 48.76	NI 607.38	NI 49.59	NI 606.55	NI 48.86	NI 607.28	NI 48.65	NI 607.49	NI 48.13	NI 608.01	NI 51.90	NI 604.24	NI 49.99	NI 606.15
OB-08	662.24	662.47	57.16	605.08	57.27	604.97	57.76	604.48	57.55	604.69	56.41	605.83	56.83	605.41	57.37	604.87	58.98	603.26	57.06	605.18	58.09	604.15	59.13	603.11	59.39	602.85
OB-09 OB-10	658.43 666.39	655.89 666.49	55.14 61.83	603.29 604.56	55.29 61.96	603.14 604.43	55.24 62.05	603.19 604.34	55.20 61.99	603.23 604.40	54.52 60.86	603.91 605.53	54.83 61.31	603.60 605.08	55.29 62.00	603.14 604.39	56.40 63.67	602.03 602.72	55.05 61.60	603.38 604.79	55.83 62.92	602.60 603.47	56.61 63.96	601.82 602.43	56.88 64.23	601.55 602.16
OB-11	660.13	660.28	51.78	608.35	51.87	608.26	52.25	607.88	52.06	608.07	51.19	608.94	51.63	608.50	52.14	607.99	52.92	607.21	51.61	608.52	52.47	607.66	53.08	607.05	53.03	607.10
OB-12 OB-13	664.47 664.60	664.69 664.71	59.22 58.85	605.25 605.75	59.36 58.99	605.11 605.61	59.89 59.28	604.58 605.32	59.60 59.19	604.87 605.41	58.25 57.60	606.22 607.00	58.72 58.19	605.75 606.41	59.31 58.91	605.16 605.69	61.14 61.20	603.33 603.40	59.20 59.27	605.27 605.33	60.39 60.20	604.08 604.40	61.43 61.53	603.04 603.07	61.73 61.38	602.74 603.22
OB-14 OB-15	662.32 662.86	662.60 663.24	58.53 54.55	603.79 608.31	58.66 54.56	603.66 608.30	58.49 54.92	603.83 607.94	58.51 54.81	603.81 608.05	57.89 53.92	604.43 608.94	58.21 54.32	604.11 608.54	58.70 54.84	603.62 608.02	60.05 55.61	602.27 607.25	58.65 54.26	603.67 608.60	59.34 55.08	602.98 607.78	60.20 55.64	602.12 607.22	60.47 55.61	601.85 607.25
OB-16	637.31	634.86	28.52	608.79	28.62	608.69	28.65	608.66	28.62	608.69	28.21	609.10	28.53	608.78	28.84	608.47	29.60	607.71	27.92	609.39	29.07	608.24	29.60	607.71	29.68	607.63
OB-17 OB-18	631.04 611.34	628.35 608.75	22.93 12.72	608.11 598.62	23.01 12.75	608.03 598.59	23.05 12.47	607.99 598.87	23.03 12.60	608.01 598.74	22.69 12.58	608.35 598.76	22.92 12.71	608.12 598.63	23.21 12.87	607.83 598.47	23.74 12.75	607.30 598.59	22.45 12.52	608.59 598.82	23.32 13.00	607.72 598.34	23.77 13.24	607.27 598.10	23.82 13.16	607.22 598.18
OB-19	621.49	618.50	16.79	604.70	16.82	604.67	16.65	604.84	16.69	604.80	16.74	604.75	16.82	604.67	17.03	604.46	17.02	604.47	16.65	604.84	16.89	604.60	17.13	604.36	17.13	604.36
OB-20 OB-21	606.70 619.65	606.89 620.04	9.85 13.10	596.85 606.55	9.86 13.29	596.84 606.36	9.76 13.89	596.94 605.76	9.82 13.61	596.88 606.04	9.82 12.58	596.88 607.07	9.91 13.06	596.79 606.59	10.11 13.19	596.59 606.46	9.93 13.95	596.77 605.70	9.82 12.42	596.88 607.23	9.95 13.75	596.75 605.90	10.15 14.35	596.55 605.30	10.08 14.36	596.62 605.29
OB-22	623.53	623.82	16.59	606.94	16.66	606.87	16.88	606.65	16.98	606.55	16.20	607.33	16.55	606.98	16.78	606.75	18.40	605.13	16.04	607.49	17.14	606.39	17.70	605.83	17.73	605.80
OB-23 OB-24	623.59 623.22	623.84 623.63	16.58 17.45	607.01 605.77	16.98 17.55	606.61 605.67	17.29 17.68	606.30 605.54	17.03 17.63	606.56 605.59	16.48 17.04	607.11 606.18	16.85 17.40	606.74 605.82	17.04 17.56	606.55 605.66	17.83 18.31	605.76 604.91	16.28 16.57	607.31 606.65	17.50 17.98	606.09 605.24	18.10 18.30	605.49 604.92	18.14 18.36	605.45 604.86
OB-25	623.82	620.98	19.11	604.71	19.27	604.55	19.62	604.20	19.44	604.38	18.48	605.34	18.98	604.84	19.12	604.70	20.46	603.36	18.72	605.10	19.87	603.95	20.68	603.14	20.79	603.03
OB-26 OB-27	623.85 605.24	621.57 602.59	20.00 11.10	603.85 594.14	20.17 11.12	603.68 594.12	19.89 11.02	603.96 594.22	19.97 11.08	603.88 594.16	19.44 11.11	604.41 594.13	19.93 11.15	603.92 594.09	20.00 11.41	603.85 593.83	20.80 11.20	603.05 594.04	19.55 11.14	604.30 594.10	20.58 11.25	603.27 593.99	21.20 11.40	602.65 593.84	21.28 11.40	602.57 593.84
OB-28	607.52	604.42	11.21	596.31	11.44	596.08	11.28	596.24	11.33	596.19	11.38	596.14	11.45	596.07	11.67	595.85	11.56	595.96	11.40	596.12	11.61	595.91	11.69	595.83	11.65	595.87
OB-29 OB-30	611.86 585.23	609.49 582.55	13.04 5.23	598.82 580.00	13.07 5.93	598.79 579.30	12.71 8.92	599.15 576.31	12.94 7.53	598.92 577.70	12.85 6.06	599.01 579.17	13.04 6.12	598.82 579.11	13.06 4.60	598.80 580.63	13.11 4.53	598.75 580.70	12.83 5.93	599.03 579.30	13.30 6.76	598.56 578.47	13.44 6.68	598.42 578.55	13.46 6.31	598.40 578.92
OB-31	592.16	589.17	11.50	580.66 585.86	11.57	580.59	11.10	581.06	11.34	580.82	10.78	581.38	10.95	581.21	9.82	582.34 585.55	10.48	581.68	12.02	580.14 585.82	11.44	580.72	10.55	581.61 585.49	10.44	581.72
OB-32 OB-33	597.71 670.61	594.98 670.88	11.85 NI	NI	11.87 NI	585.84 NI	11.87 NI	585.84 NI	11.72 NI	585.99 NI	11.85 NI	585.86 NI	11.91 NI	585.80 NI	12.16 NI	365.55 NI	12.15 63.29	585.56 607.32	11.89 62.20	608.41	12.02 62.88	585.69 607.73	12.22 63.43	607.18	12.26 63.38	585.45 607.23
OB-34 OB-35	663.52 642.66	660.87 639.86	NI NI	NI NI	NI NI	NI NI	NI NI	NI NI	NI NI	NI NI	NI NI	NI NI	NI NI	NI NI	NI NI	NI NI	61.61 32.09	601.91 610.57	60.32 30.71	603.20 611.95	61.07 34.29	602.45 608.37	61.84 32.42	601.68 610.24	62.08 31.98	601.44 610.68
OB-36	598.76	596.28	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	13.98	584.78	13.80	584.96	13.95	584.81	14.13	584.63	14.13	584.63
OB-37 OB-38	587.02 602.50	584.06 599.61	NI NI	NI NI	NI NI	NI NI	NI NI	NI NI	NI NI	NI NI	NI NI	NI NI	NI NI	NI NI	NI NI	NI NI	9.60 15.34	577.42 587.16	9.36 15.60	577.66 586.90	9.62 15.68	577.40 586.82	9.72 15.68	577.30 586.82	9.68 15.64	577.34 586.86
OB-39	649.01	646.15	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	Dry	Dry	37.91	611.10	38.67	610.34	38.19	610.82
OB-40 OB-41	612.69 620.64	609.76 617.70	NI NI	NI NI	NI NI	NI NI	NI NI	NI NI	NI NI	NI NI	NI NI	NI NI	NI NI	NI NI	NI NI	NI NI	NI 16.50	NI 604.14	Dry 15.30	Dry 605.34	Dry 15.98	Dry 604.66	11.52 17.30	601.17 603.34	11.18 17.68	601.51 602.96
OB-42	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
OB-43S OB-43D	552.39 552.30	552.65 552.74	NI NI	NI NI	NI NI	NI NI	NI NI	NI NI	NI NI	NI NI	NI NI	NI NI	NI NI	NI NI	NI NI	NI NI	NI NI	NI NI	Dry Dry	Dry Dry	Dry Dry	Dry Dry	61.30 61.65	491.09 490.65	56.66 58.69	495.73 493.61
OB-44	568.62	568.74	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NÍ	NÍ	NÍ	ΝÍ	NI 40.02	NI	NI 44.64	NI 404.24
OB-45S OB-45I	538.98 539.48	539.49 539.66	NI NI	NI NI	NI NI	NI NI	NI NI	NI NI	NI NI	NI NI	NI NI	NI NI	NI NI	NI NI	NI NI	NI NI	NI NI	NI NI	Dry Dry	Dry Dry	Dry Dry	Dry Dry	48.02 48.78	490.96 490.70	44.64 45.88	494.34 493.60
OB-45D	539.44	539.83	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	Dry	Dry	Dry	Dry	48.76	490.68	45.83	493.61
OB-46S OB-46SR	528.02 527.81	528.56 528.42	NI NI	NI NI	NI NI	NI NI	NI NI	NI NI	NI NI	NI NI	NI NI	NI NI	NI NI	NI NI	NI NI	NI NI	NI NI	NI NI	NI NI	NI NI	NI NI	NI NI	NI NI	NI NI	NI NI	NI NI
OB-46D	528.03	528.33	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
OB-47S OB-47D	530.37 530.58	530.65 530.78	NI NI	NI NI	NI NI	NI NI	NI NI	NI NI	NI NI	NI NI	NI NI	NI NI	NI NI	NI NI	NI NI	NI NI	NI NI	NI NI	NI NI	NI NI	NI NI	NI NI	NI NI	NI NI	NI NI	NI NI
OB-48S	552.66	552.85	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
OB-48D OB-49	552.61 515.15	552.94 515.47	NI NI	NI NI	NI NI	NI NI	NI NI	NI NI	NI NI	NI NI	NI NI	NI NI	NI NI	NI NI	NI NI	NI NI	NI NI	NI NI	NI NI	NI NI	NI NI	NI NI	NI NI	NI NI	NI NI	NI NI
OB-50	531.87	532.20	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
OB-51 OB-52	528.65 524.34	528.83 525.22	NI NI	NI NI	NI NI	NI NI	NI NI	NI NI	NI NI	NI NI	NI NI	NI NI	NI NI	NI NI	NI NI	NI NI	NI NI	NI NI	NI NI	NI NI	NI NI	NI NI	NI NI	NI NI	NI NI	NI NI
OB-53 OB-54	520.53 554.21	520.81 554.80	NI NI	NI NI	NI NI	NI NI	NI NI	NI NI	NI NI	NI NI	NI NI	NI NI	NI NI	NI NI	NI NI	NI NI	NI NI	NI NI	NI NI	NI NI	NI NI	NI NI	NI NI	NI NI	NI NI	NI NI
PZ-01	632.95	632.88	26.03	606.92	26.15	606.80	26.10	606.85	26.14	606.81	24.41	608.54	25.87	607.08	26.25	606.70	27.72	605.23	25.55	607.40	26.77	606.18	27.95	605.00	28.16	604.79
PZ-02 PZ-03	630.25 628.08	630.32 628.16	24.10 21.58	606.15 606.50	24.19 21.71	606.06 606.37	24.04 21.70	606.21 606.38	24.13 21.73	606.12 606.35	23.51 21.10	606.74 606.98	23.93 21.50	606.32 606.58	24.19 21.75	606.06 606.33	25.65 23.11	604.60 604.97	23.74 21.32	606.51 606.76	24.88 22.32	605.37 605.76	25.97 23.46	604.28 604.62	23.60 26.40	606.65 601.68
PZ-04	657.75	655.34	53.63	604.12	53.74	604.01	54.07	603.68	53.91	603.84	52.85	604.90	53.32	604.43	53.47	604.28	55.21	602.54	53.25	604.50	54.45	603.30	55.46	602.29	55.57	602.18
PZ-05 PZ-06	665.53 659.90	662.86 657.45	56.35 48.75	609.18 611.15	56.42 48.75	609.11 611.15	56.75 48.83	608.78 611.07	56.63 48.81	608.90 611.09	55.81 48.22	609.72 611.68	56.23 48.61	609.30 611.29	56.74 49.31	608.79 610.59	57.61 49.70	607.92 610.20	55.95 48.25	609.58 611.65	57.01 49.09	608.52 610.81	57.62 49.57	607.91 610.33	57.65 49.62	607.88 610.28
PZ-06R	659.86	657.24	46.73 NI	NI	48.75 NI	NI	46.65 NI	NI	48.81 NI	NI	46.22 NI	NI	48.61 NI	NI	49.51 NI	NI	49.70 NI	NI	46.25 NI	NI	49.09 NI	NI	49.57 NI	NI	49.62 NI	NI

		Ground	October	r 14, 2003	October	20, 2003	Novembe	er 24, 2003	Decembe	r 19, 2003	January	28, 2004	Februar	y 18, 2004	March	31, 2004	Novembe	er 30, 2004	Januar	y 25, 2005	July 2	7, 2005	Novemb	er 7, 2005	Februar	у 6, 2006
RFI-IIB	TOC^{1}	Surface	Depth	Water	Depth	Water	Depth	Water	Depth	Water	Depth	Water	Depth	Water	Depth	Water	Depth	Water	Depth	Water	Depth	Water	Depth	Water	Depth	Water
Well No.	Elevation ²	Elevation	to Water ³	Elevation	to Water	Elevation	to Water	Elevation	to Water	Elevation	to Water	Elevation	to Water	Elevation	to Water	Elevation	to Water	Elevation	to Water	Elevation	to Water	Elevation	to Water	Elevation	to Water	Elevation
Bedrock Wells																										
BW-01	660.81	658.25	56.72	604.09	55.22	605.59	54.09	606.72	54.78	606.03	54.64	606.17	53.79	607.02	54.12	606.69	54.35	606.46	53.78	607.03	52.62	608.19	56.29	604.52	53.31	607.50
BW-02	662.21	662.31	58.62	603.59	56.51	605.70	54.47	607.74	55.98	606.23	55.90	606.31	55.16	607.05	55.51	606.70	55.85	606.36	50.88	611.33	54.02	608.19	57.58	604.63	54.07	608.14
BW-03	592.95	590.28	9.34	583.61	9.53	583.42	8.92	584.03	9.19	583.76	10.14	582.81	10.37	582.58	10.00	582.95	9.91	583.04	9.92	583.03	10.55	582.40	10.55	582.40	10.64	582.31
BW-04	584.22	581.98	4.80	579.42	5.30	578.92	3.61	580.61	4.12	580.10	5.50	578.72	5.64	578.58	4.55	579.67	4.35	579.87	5.49	578.73	6.56	577.66	6.42	577.80	6.04	578.18
BW-05	606.15	604.00	4.03	602.12	3.50	602.65	3.12	603.03	3.29	602.86	4.48	601.67	4.26	601.89	3.79	602.36	3.80	602.35	3.46	602.69	2.68	603.47	5.06	601.09	3.43	602.72
BW-06	612.60	610.07	17.42	595.18	17.32	595.28	16.25	596.35	16.80	595.80	17.16	595.44	16.96	595.64	16.80	595.80	16.32	596.28	16.61	595.99	16.84	595.76	17.26	595.34	17.08	595.52
BW-07	597.75	595.35	9.10	588.65	9.21	588.54	9.04	588.71	9.07	588.68	9.58	588.17	9.58	588.17	9.37	588.38	9.05	588.70	8.90	588.85	9.09	588.66	8.85	588.90	8.57	589.18
BW-07A	596.53	594.08	NI 40.20	NI (10.22	NI 40.40	NI	NI 40.50	NI	NI 40.50	NI	NI 49.96	NI (10.84	NI 40.27	NI 610.43	NI 10.65	NI 610.05	NI 50.42	NI 609.27	NI	NI (10.02	NI 40.00	NI coo.ea	NI FO.F1	NI coo 10	NI 50.55	NI coo.15
BW-08 BW-09	659.70 621.18	657.38	49.38	610.32 604.73	49.40	610.30	49.59 16.26	610.11 604.92	49.50	610.20	48.86 16.25	610.84 604.93	49.27	604.86	49.65 16.55	604.63	50.43	604.57	48.78	610.92 605.07	49.88 16.39	609.82 604.79	50.51 16.72	609.19 604.46	50.55	609.15 604.50
		618.86	16.45		16.38	604.80			16.32	604.86			16.32				16.61		16.11						16.68	
BW-10	663.88	663.92	60.81	603.07	58.23	605.65	57.88	606.00	58.70 NI	605.18	57.76 NI	606.12	58.05 NI	605.83 NI	57.50 NI	606.38	57.80 49.36	606.08	57.20	606.68	57.54	606.34 608.30	56.60	607.28	56.75	607.13
BW-11 BW-12	655.94 641.90	653.44 638.75	NI NI	NI NI	NI NI	NI NI	NI NI	NI NI	NI NI	NI NI	NI NI	NI NI	NI NI	NI NI	NI NI	NI NI	49.36 36.07	606.58 605.83	48.80 35.42	607.14 606.48	47.64	610.26	51.28 38.43	604.66 603.47	49.84 34.94	606.10 606.96
BW-12	621.18	617.81	NI	NIT	NI	NI NI	NI	NI NI	NI	NI	NI	NI NI	NI	NI NI	NI	NI NI		606.51	14.10	607.08	31.64 12.94	608.24	17.07	604.11	13.63	607.55
BW-14	663.04	660.73	NI	NI NI	NI	NI NI	NI	NI NI	NI	NI NI	NI	NI NI	NI	NI NI	NI	NI NI	14.67 57.24	605.80	56.70	606.34	56.19		59.16	603.88	58.13	604.91
BW-14A	662.44	661.00	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	36.70 NI	NI	NI	606.85 NI	39.10	003.00	NI	NI
BW-15	602.79	600.01	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	16.18	586.61	16.30	586.49	16.36	586.43	16.16	586.63	16.12	586.67
BW-16	557.60	554.37	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	49.20	508.40	49.32	508.28	51.81	505.79	52.17	505.43	51.10	506.50
BW-17	593.15	590.13	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	7.80	585.35	8.55	584.60	8.75	584.40	8.71	584.44	8.73	584.42
BW-18	557.23	554.33	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	44.73	512.50	46.24	510.99	48.04	509.19	49.30	507.93	46.92	510.31
BW-18A	556.84	554.06	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
BW-19	612.93	609.70	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	Dry	Dry	Dry	Dry	8.43	604.50	5.65	607.28
BW-20	622.57	619.52	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	Dry	Dry	Dry	Dry	43.26	579.31	43.55	579.02
BW-21	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
BW-22	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
BW-23	562.74	562.95	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	Dry	Dry	Dry	Dry	55.78	506.96	48.44	514.30
																			,	,	,	,				

RFI-IIB	TOC1	Ground		4, 2006		24, 2006		9, 2007		27, 2007		er 17, 2007		29, 2007	January			/2008		5/2008 Matan	_	2008		/2009		2009	10/26/	V2009 Water
Well No.	Elevation ²	Surface Elevation	Depth to Water	Water Elevation	Depth to Water	Water Elevation	Depth to Water	Elevation																				
Overburden V OB-01	Vells/Piezometer: 658.48	<u>s</u> 658.76	50.46	608.02	50.19	608.29	49.22	609.26	51.21	607.27	51.30	607.18	51.61	606.87	50.67	607.81	49.40	609.08	50.97	607.51	51.48	607.00	50.88	607.60	50.02	608.46	51.39	607.09
OB-02	659.03	659.32	51.44	607.59	51.19	607.84	50.25	608.78	52.20	606.83	52.28	606.75	52.55	606.48	50.65	608.38	50.22	608.81	51.83	607.20	52.37	606.66	51.69	607.34	50.83	608.20	51.18	607.85
OB-03 OB-04	661.93 664.40	662.26 662.03	56.04 57.35	605.89 607.05	55.22 57.02	606.71 607.38	54.62 56.13	607.31 608.27	56.53 57.93	605.40 606.47	56.61 58.00	605.32 606.40	56.91 58.28	605.02 606.12	56.20 57.53	605.73 606.87	54.69 56.16	607.24 608.24	56.14 57.59	605.79 606.81	Dry 58.05	Dry 606.35	56.19 57.55	605.74 606.85	55.03 56.63	606.90 607.77	56.55 57.97	605.38 606.43
OB-04 OB-05	660.40	660.69	54.85	605.55	54.55	605.85	53.57	606.83	55.30	605.10	55.40	605.00	55.78	604.62	55.00	605.40	53.71	606.69	54.97	605.43	Dry	Dry	Dry	Dry	54.03	606.37	55.33	605.07
OB-06	653.82	654.65	46.56	608.09	46.24	608.41	45.44	609.21	47.21	607.44	47.27	607.38	47.45	607.20	Damaged	Damaged	NA^6	NA^6	NA^6	NA^6								
OB-06R	653.35	653.90	NI	NI	NI	NI (27.2)	NI	NI	NI	NI	NI	NI	45.80	607.55	46.97	606.38												
OB-07 OB-08	656.14 662.24	656.42 662.47	50.22 58.30	605.92 603.94	50.18 57.81	605.96 604.43	48.18 56.29	607.96 605.95	49.41 58.54	606.73 603.70	49.66 58.75	606.48 603.49	50.16 59.32	605.98 602.92	49.38 58.34	606.76 603.90	48.88 56.60	607.26 605.64	58.00	604.24	Dry 58.91	Dry 603.33	49.56 58.43	606.58 603.81	49.46 56.97	606.68 605.27	49.83 58.60	606.31 603.64
OB-09	658.43	655.89	56.15	602.28	55.75	602.68	54.36	604.07	56.10	602.33	56.28	602.15	56.72	601.71	56.23	602.20	54.61	603.82	55.67	602.76	56.31	602.12	56.07	602.36	54.65	603.78	56.11	602.32
OB-10 OB-11	666.39 660.13	666.49 660.28	63.26 52.18	603.13 607.95	62.66 51.89	603.73 608.24	60.71 50.98	605.68 609.15	63.33 52.81	603.06 607.32	63.55 52.90	602.84 607.23	64.12 53.22	602.27 606.91	63.42 52.28	602.97 607.85	61.16 51.15	605.23 608.98	62.70 52.46	603.69 607.67	Dry 52.97	Dry 607.16	63.20 52.44	603.19 607.69	61.15 51.58	605.24 608.55	63.37 52.79	603.02 607.34
OB-11	664.47	664.69	60.67	603.80	60.08	604.39	58.09	606.38	60.81	603.66	61.04	603.43	61.64	602.83	60.85	603.62	58.45	606.02	60.13	604.34	Dry	Dry	60.68	603.79	58.55	605.92	60.80	603.67
OB-13	664.60	664.71	60.65	603.95	59.82	604.78	57.36	607.24	60.72	603.88	61.02	603.58	63.72	600.88	60.83	603.77	57.80	606.80	59.80	604.80	61.04	603.56	60.55	604.05	57.85	606.75	60.65	603.95
OB-14 OB-15	662.32 662.86	662.60 663.24	57.67 54.84	604.65 608.02	59.26 52.25	603.06 610.61	57.68 53.79	604.64 609.07	59.66 55.38	602.66 607.48	59.84 55.45	602.48 607.41	60.29 55.78	602.03 607.08	59.75 54.96	602.57 607.90	58.02 53.94	604.30 608.92	59.16 59.94	603.16 602.92	59.88 65.60	602.44 597.26	59.62 55.10	602.70 607.76	53.69 54.31	608.63 608.55	59.67 55.50	602.65 607.36
OB-16	637.31	634.86	28.72	608.59	28.61	608.70	28.20	609.11	29.37	607.94	29.46	607.85	29.75	607.56	27.82	609.49	28.04	609.27	29.08	608.23	29.54	607.77	28.94	608.37	28.41	608.90	29.43	607.88
OB-17 OB-18	631.04 611.34	628.35 608.75	23.03 12.84	608.01 598.50	23.00 12.75	608.04 598.59	22.66 12.60	608.38 598.74	23.57 13.19	607.47 598.15	23.66 13.24	607.38 598.10	23.90 13.34	607.14 598.00	23.13 12.87	607.91 598.47	22.54 12.56	608.50 598.78	23.35 13.01	607.69 598.33	23.75 13.20	607.29 598.14	23.22 12.88	607.82 598.46	22.84 12.73	608.20 598.61	23.64 12.96	607.40 598.38
OB-19	621.49	618.50	16.83	604.66	16.81	604.68	16.67	604.82	16.96	604.53	17.04	604.45	17.19	604.30	16.85	604.64	16.64	604.85	13.09	608.40	13.32	608.17	13.10	608.39	12.73	608.52	13.19	608.30
OB-20	606.70	606.89	9.90	596.80	9.83	596.87	9.81	596.89	10.05	596.65	10.12	596.58	10.20	596.50	9.93	596.77	9.80	596.90	9.63	597.07	10.10	596.60	9.93	596.77	9.86	596.84	9.94	596.76
OB-21 OB-22	619.65 623.53	620.04 623.82	13.49 16.72	606.16 606.81	13.30 Dry	606.35 Dry	12.51 16.39	607.14 607.14	14.03 17.42	605.62 606.11	14.22 17.55	605.43 605.98	14.43 17.79	605.22 605.74	13.63 17.00	606.02 606.53	Dry 16.31	Dry 607.22	Dry Dry	Dry Dry	Dry Dry	Dry Dry	Dry 17.03	Dry 606.50	Dry 16.45	Dry 607.08	13.96 17.38	605.69 606.15
OB-23	623.59	623.84	17.09	606.50	19.64	603.95	16.13	607.46	17.78	605.81	17.94	605.65	18.18	605.41	17.33	606.26	16.04	607.55	Dry	Dry	Dry	Dry	17.39	606.20	NM	NM	17.74	605.85
OB-24 OB-25	623.22 623.82	623.63 620.98	17.95 19.89	605.27 603.93	Dry 19.60	Dry 604.22	16.95 18.28	606.27 605.54	18.29 20.22	604.93 603.60	18.27 20.42	604.95 603.40	18.29 20.76	604.93 603.06	Dry 20.15	Dry 603.67	16.97 18.42	606.25 605.40	Dry 19.80	Dry 604.02	Dry 20.51	Dry 603.31	18.11 20.01	605.11 603.81	17.20 18.70	606.02 605.12	18.24 20.20	604.98 603.62
OB-26	623.85	621.57	20.60	603.25	20.40	603.45	19.15	604.70	20.85	603.00	21.01	602.84	21.25	602.60	20.76	603.09	19.33	604.52	20.45	603.40	21.12	602.73	20.73	603.12	19.64	604.21	20.70	603.15
OB-27	605.24	602.59	11.23	594.01	11.20	594.04	11.20	594.04	11.40	593.84	11.43	593.81	11.50	593.74	11.29	593.95	11.19	594.05	11.26	593.98	11.43	593.81	11.28	593.96	11.24	594.00	11.30	593.94
OB-28 OB-29	607.52 611.86	604.42 609.49	11.56 13.28	595.96 598.58	11.53 13.10	595.99 598.76	10.40 12.71	597.12 599.15	12.74 13.35	594.78 598.51	11.73 13.43	595.79 598.43	11.74 13.47	595.78 598.39	11.64 13.28	595.88 598.58	11.43 12.70	596.09 599.16	11.64 13.24	595.88 598.62	11.73 13.41	595.79 598.45	11.64 13.24	595.88 598.62	11.54 12.91	595.98 598.95	11.60 13.12	595.92 598.74
OB-30	585.23	582.55	6.45	578.78	5.98	579.25	5.97	579.26	7.07	578.16	7.03	578.20	6.76	578.47	6.38	578.85	6.67	578.56	5.41	579.82	6.83	578.40	6.34	578.89	6.61	578.62	5.77	579.46
OB-31 OB-32	592.16 597.71	589.17 594.98	10.94 12.03	581.22 585.68	10.95 11.98	581.21 585.73	10.05 11.84	582.11 585.87	11.29 12.10	580.87 585.61	11.31 12.12	580.85 585.59	11.17 12.24	580.99 585.47	10.54 12.07	581.62 585.64	10.05 11.83	582.11 585.88	10.62 12.02	581.54 585.69	14.45 12.13	577.71 585.58	11.23 12.04	580.93 585.67	12.82 11.90	579.34 585.81	13.51 12.08	578.65 585.63
OB-33	670.61	670.88	62.72	607.89	62.47	608.14	61.81	608.80	63.21	607.40	63.22	607.39	63.56	607.05	62.83	607.78	61.95	608.66	62.94	607.67	63.37	607.24	62.89	607.72	62.22	608.39	63.23	607.38
OB-34 OB-35	663.52	660.87	61.40	602.12	62.01	601.51	59.68	603.84	61.35	602.17 610.58	61.51	602.01	61.96	601.56	61.41	602.11	59.92	603.60	60.90	602.62	61.52	602.00	61.30	602.22	59.97	603.55	59.45	604.07 610.56
OB-36	642.66 598.76	639.86 596.28	31.11 13.64	611.55 585.12	30.74 13.62	611.92 585.14	30.49 13.78	612.17 584.98	32.08 13.99	584.77	32.22 14.05	610.44 584.71	32.54 14.13	610.12 584.63	31.15 13.97	611.51 584.79	30.45 13.75	612.21 585.01	31.79 13.87	610.87 584.89	32.32 14.01	610.34 584.75	31.28 13.90	611.38 584.86	31.15 13.79	611.51 584.97	32.10 13.89	584.87
OB-37	587.02	584.06	9.59	577.43	9.55	577.47	9.24	577.78	9.68	577.34	9.72	577.30	9.73	577.29	9.57	577.45	9.13	577.89	9.57	577.45	9.65	577.37	9.53	577.49	9.40	577.62	9.53	577.49
OB-38 OB-39	602.50 649.01	599.61 646.15	15.43 37.07	587.07 611.94	15.49 36.49	587.01 612.52	15.07 35.67	587.43 613.34	15.75 38.38	586.75 610.63	15.96 38.49	586.54 610.52	15.82 38.83	586.68 610.18	15.72 37.27	586.78 611.74	15.19 35.58	587.31 613.43	15.78 38.00	586.72 611.01	15.78 38.60	586.72 610.41	15.67 37.33	586.83 611.68	15.41 37.03	587.09 611.98	15.25 38.29	587.25 610.72
OB-40	612.69	609.76	11.29	601.40	11.01	601.68	10.10	602.59	11.51	601.18	11.35	601.34	11.60	601.09	11.32	601.37	10.24	602.45	10.96	601.73	11.32	601.37	11.17	601.52	10.36	602.33	11.13	601.56
OB-41 OB-42	620.64 NI	617.70 NI	17.01 NI	603.63 NI	16.31 NI	604.33 NI	14.36 NI	606.28 NI	16.29 NI	604.35 NI	16.56 NI	604.08 NI	17.28 NI	603.36 NI	16.85 NI	603.79 NI	14.98 NI	605.66 NI	15.40 NI	605.24 NI	16.73 NI	603.91 NI	16.75 NI	603.89 NI	14.78 NI	605.86 NI	16.18 NI	604.46 NI
OB-43S	552.39	552.65	57.81	494.58	54.35	498.04	51.22	501.17	60.96	491.43	60.35	492.04	61.40	490.99	51.40	500.99	50.25	502.14	61.12	491.27	61.43	490.96	50.41	501.98	56.77	495.62	60.74	491.65
OB-43D	552.30	552.74	58.52	493.78	54.60	497.70	54.35	497.95	60.16	492.14	61.07	491.23	61.91	490.39	54.32	497.98	53.25	499.05	61.72	490.58	61.90	490.40	52.00	500.30	59.05	493.25	60.26	492.04
OB-44 OB-45S	568.62 538.98	568.74 539.49	72.62 43.11	496.00 495.87	69.91 40.81	498.71 498.17	66.54 39.22	502.08 499.76	76.81 47.48	491.81 491.50	76.08 47.19	492.54 491.79	77.20 48.30	491.42 490.68	68.20 39.48	500.42 499.50	65.71 37.69	502.91 501.29	76.74 48.08	491.88 490.90	77.12 48.29	491.50 490.69	65.70 37.89	502.92 501.09	72.50 44.26	496.12 494.72	76.51 47.34	492.11 491.64
OB-45I	539.48	539.66	44.54	494.94	41.72	497.76	42.03	497.45	47.02	492.46	48.25	491.23	49.06	490.42	NM ⁵	NM	NM	NM	NM	NM	49.08	490.40	39.65	499.83	NM	NM	NM	NM
OB-45D	539.44	539.83	44.50	494.94	41.75	497.69	42.00	497.44	46.99	492.45	48.21	491.23	49.03	490.41	42.18	497.26	39.30	500.14	48.77	490.67	49.01	490.43	39.60	499.84	47.36	492.08	47.20	492.24
OB-46S OB-46SR	528.02 527.81	528.56 528.42	27.07 NI	500.95 NI	30.49 NI	497.53 NI	31.03 NI	496.99 NI	35.38 NI	492.64 NI	36.87 NI	491.15 NI	37.62 NI	490.40 NI	Damaged NI	Damaged NI	NA′ 35.24	NA′ 492.57	NA′ 35.47	NA′ 492.34								
OB-46D	528.03	528.33	34.68	493.35	30.54	497.49	30.99	497.04	35.37	492.66	36.90	491.13	37.64	490.39	29.75	498.28	28.12	499.91	37.16	490.87	37.63	490.40	28.40	499.63	35.18	492.85	35.59	492.44
OB-47S OB-47D	530.37 530.58	530.65 530.78	31.57 37.61	498.80	33.04 33.20	497.33	32.75	497.62 497.69	38.55	491.82	39.55	490.82 490.97	40.41	489.96	32.32	498.05	30.33	500.04 500.10	40.12	490.25	40.37	490.00	30.30	500.07 500.15	37.50 37.63	492.87 492.95	38.71	491.66
OB-47D OB-48S	552.66	552.85	55.70	492.97 496.96	54.82	497.38 497.84	32.89 53.64	497.69	38.60 61.14	491.98 491.52	39.61 61.50	490.97	40.45 62.56	490.13 490.10	32.51 52.80	498.07 499.86	30.48 51.91	500.75	40.18 62.37	490.40 490.29	40.44 62.50	490.14 490.16	30.43 51.56	500.15	59.13	492.93	38.75 61.33	491.83 491.33
OB-48D	552.61	552.94	59.06	493.55	54.94	497.67	54.03	498.58	61.14	491.47	61.61	491.00	62.62	489.99	53.15	499.46	52.10	500.51	68.59	484.02	62.57	490.04	51.80	500.81	59.31	493.30	61.30	491.31
OB-49 OB-50	515.15 531.87	515.47 532.20	NI NI	NI NI	NI NI	NI NI	NI NI	NI NI	22.81 40.19	492.34 491.68	24.49 41.28	490.66 490.59	25.09 42.11	490.06 489.76	17.10 35.99	498.05 495.88	15.57 32.07	499.58 499.80	24.73 41.87	490.42 490.00	25.11 42.10	490.04 489.77	15.74 32.01	499.41 499.86	22.76 39.34	492.39 492.53	23.00 40.47	492.15 491.40
OB-51	528.65	528.83	NI	NI	NI	NI	NI	NI	37.03	491.62	38.11	490.54	38.95	489.70	32.80	495.85	28.83	499.82	38.76	489.89	38.88	489.77	28.65	500.00	36.05	492.60	37.22	491.43
OB-52 OB-53	524.34 520.53	525.22 520.81	NI NI	NI NI	NI NI	NI NI	NI NI	NI NI	32.78 28.98	491.56 491.55	34.24 30.43	490.10 490.10	34.95 30.99	489.39 489.54	29.08 22.71	495.26 497.82	24.97 21.22	499.37 499.31	34.79 30.69	489.55 489.84	34.94 31.13	489.40 489.40	24.87 21.12	499.47 499.41	32.15 28.23	492.19 492.30	32.95 29.25	491.39 491.28
OB-53 OB-54	554.21	554.80	NI	NI	NI	NI	NI	NI	26.96 NI	491.55 NI	30.43 NI	490.10 NI	30.99 NI	469.54 NI	57.54	496.67	53.86	500.35	63.74	490.47	64.00	490.21	53.82	500.39	61.00	493.21	62.48	491.28
PZ-01	632.95	632.88	26.67	606.28	26.44	606.51	25.27	607.68	NM	NM	Dry	Dry	Dry	Dry	Dry	Dry	25.43	607.52	Dry	Dry	Dry	Dry	Dry	Dry	NM	NM	NM	NM
PZ-02 PZ-03	630.25 628.08	630.32 628.16	24.82 22.25	605.43 605.83	24.55 22.00	605.70 606.08	23.38 20.97	606.87 607.11	25.33 22.83	604.92 605.25	25.68 23.07	604.57 605.01	Dry Dry	Dry Dry	25.24 22.63	605.01 605.45	23.50 21.02	606.75 607.06	24.77 22.23	605.48 605.85	25.70 23.20	604.55 604.88	25.02 22.46	605.23 605.62	NM NM	NM NM	NM NM	NM NM
PZ-04	657.75	655.34	54.52	603.23	54.02	603.73	52.50	605.25	54.82	602.93	55.03	602.72	55.55	602.20	54.74	603.01	52.88	604.87	54.23	603.52	55.11	602.64	54.62	603.13	53.10	604.65	54.73	603.02
PZ-05	665.53 650.00	662.86 657.45	59.69 48.81	605.84	56.42 48.54	609.11	55.69 48.03	609.84	57.34 49.25	608.19 610.65	57.42 49.35	608.11	57.79 49.64	607.74	56.88 49.02	608.65	55.77 48.02	609.76 611.88	57.04 49.03	608.49	57.55 49.44	607.98 610.46	56.98 49.07	608.55	56.04 NA ⁸	609.49 NA ⁸	57.41 N A ⁸	608.12 NA ⁸
PZ-06 PZ-06R	659.90 659.86	657.45 657.24	48.81 NI	611.09 NI	48.54 NI	611.36 NI	48.03 NI	611.87 NI	49.25 NI	NI	49.35 NI	610.55 NI	49.64 NI	610.26 NI	49.02 NI	610.88 NI	48.02 NI	611.88 NI	49.03 NI	610.87 NI	49.44 NI	NI	49.07 NI	610.83 NI	48.21	611.65	NA° 49.18	610.68

		Ground	April	24, 2006	May 2	24, 2006	April	1 9, 2007	August	27, 2007	Septemb	er 17, 2007	October	29, 2007	January	21, 2008	4/7,	/2008	9/15	/2008	12/	2008	3/23	/2009	7/6/2	2009	10/26	5/2009
RFI-IIB	TOC 1	Surface	Depth	Water	Depth	Water	Depth	Water	Depth	Water	Depth	Water	Depth	Water	Depth	Water	Depth	Water	Depth	Water								
Well No.	Elevation ²	Elevation	to Water	Elevation	to Water	Elevation	to Water	Elevation	to Water	Elevation	to Water	Elevation	to Water	Elevation	to Water	Elevation	to Water	Elevation	to Water	Elevation								
Bedrock Wells																												
BW-01	660.81	658.25	52.86	607.95	52.50	608.31	51.08	609.73	52.40	608.41	56.02	604.79	53.06	607.75	57.20	603.61	51.52	609.29	64.96	595.85	52.75	608.06	52.62	608.19	51.29	609.52	52.04	608.77
BW-02	662.21	662.31	54.23	607.98	53.88	608.33	52.46	609.75	53.76	608.45	57.61	604.60	54.47	607.74	53.75	608.46	52.92	609.29	66.41	595.80	54.12	608.09	54.04	608.17	52.78	609.43	53.46	608.75
BW-03	592.95	590.28	10.18	582.77	10.04	582.91	10.42	582.53	11.16	581.79	11.23	581.72	11.05	581.90	10.33	582.62	10.07	582.88	10.58	582.37	10.46	582.49	10.67	582.28	10.58	582.37	10.22	582.73
BW-04	584.22	581.98	5.79	578.43	5.55	578.67	5.65	578.57	6.90	577.32	6.87	577.35	6.77	577.45	6.19	578.03	5.41	578.81	5.38	578.84	6.57	577.65	6.11	578.11	6.30	577.92	5.58	578.64
BW-05	606.15	604.00	3.00	603.15	2.75	603.40	1.85	604.30	2.90	603.25	4.80	601.35	3.53	602.62	3.52	602.63	3.38	602.77	7.49	598.66	3.59	602.56	3.51	602.64	2.36	603.79	3.50	602.65
BW-06	612.60	610.07	16.67	595.93	16.67	595.93	16.27	596.33	16.88	595.72	17.27	595.33	17.17	595.43	16.91	595.69	16.30	596.30	17.87	594.73	17.13	595.47	16.82	595.78	NM	NM	16.71	595.89
BW-07	597.75	595.35	9.06	588.69	8.64	589.11	7.47	590.28	8.15	589.60	8.63	589.12	8.58	589.17	9.16	588.59	7.43	590.32	8.20	589.55	8.40	589.35	8.20	589.55	7.62	590.13	7.96	589.79
BW-07A	596.53	594.08	59.49	537.04	58.39	538.14	51.82	544.71	58.13	538.40	58.14	538.39	58.38	538.15	56.39	540.14	54.99	541.54	58.29	538.24	58.67	537.86	56.76	539.77	56.67	539.86	58.76	537.77
BW-08	659.70	657.38	48.59	611.11	49.29	610.41	48.70	611.00	50.18	609.52	50.34	609.36	50.73	608.97	49.79	609.91	48.67	611.03	50.35	609.35	50.41	609.29	49.84	609.86	56.79	602.91	50.23	609.47
BW-09	621.18	618.86	16.30	604.88	16.24	604.94	16.03	605.15	16.45	604.73	16.57	604.61	16.77	604.41	16.30	604.88	15.99	605.19	16.69	604.49	16.51	604.67	16.30	604.88	16.09	605.09	16.42	604.76
BW-10	663.88	663.92	56.12	607.76	55.78	608.10	54.41	609.47	55.64	608.24	59.60	604.28	56.52	607.36	60.52	603.36	54.02	609.86	60.26	603.62	56.11	607.77	55.94	607.94	54.58	609.30	55.40	608.48
BW-11	655.94	653.44	47.87	608.07	47.51	608.43	46.10	609.84	47.35	608.59	51.08	604.86	48.05	607.89	50.75	605.19	46.53	609.41	46.88	609.06	47.88	608.06	47.65	608.29	46.31	609.63	47.05	608.89
BW-12	641.90	638.75	34.54	607.36	34.15	607.75	32.76	609.14	34.01	607.89	37.09	604.81	34.78	607.12	35.59	606.31	33.18	608.72	46.53	595.37	34.47	607.43	34.29	607.61	32.95	608.95	33.67	608.23
BW-13	621.18	617.81	13.13	608.05	12.81	608.37	11.40	609.78	12.63	608.55	15.69	605.49	13.38	607.80	13.89	607.29	11.81	609.37	25.19	595.99	13.09	608.09	12.90	608.28	11.58	609.60	12.30	608.88
BW-14	663.04	660.73	55.42	607.62	55.10	607.94	53.65	609.39	54.83	608.21	58.48	604.56	55.58	607.46	60.48	602.56	53.90	609.14	67.22	595.82	55.13	607.91	55.03	608.01	58.00	605.04	61.33	601.71
BW-14A	662.44	661.00	NI	NI	NI	NI	NI	NI	53.42	609.02	NM	NM	NM	NM	NM	NM	59.07	603.37	60.44	602.00								
BW-15	602.79	600.01	16.02	586.77	16.12	586.67	15.56	587.23	16.28	586.51	16.44	586.35	16.31	586.48	15.89	586.90	15.60	587.19	16.30	586.49	16.21	586.58	16.13	586.66	15.85	586.94	15.65	587.14
BW-16	557.60	554.37	50.44	507.16	50.90	506.70	50.66	506.94	52.30	505.30	52.30	505.30	52.27	505.33	50.74	506.86	49.46	508.14	51.79	505.81	53.19	504.41	50.76	506.84	51.25	506.35	51.24	506.36
BW-17	593.15	590.13	8.78	584.37	8.69	584.46	8.63	584.52	8.78	584.37	8.83	584.32	8.73	584.42	8.65	584.50	8.49	584.66	8.53	584.62	8.82	584.33	8.72	584.43	8.80	584.35	8.53	584.62
BW-18	557.23	554.33	45.70	511.53	45.93	511.30	46.62	510.61	49.39	507.84	49.68	507.55	49.56	507.67	46.65	510.58	45.65	511.58	48.24	508.99	48.49	508.74	46.66	510.57	48.02	509.21	47.26	509.97
BW-18A	556.84	554.06	NI	NI	30.95	525.89	18.24	538.60	19.97	536.87	19.76	537.08	19.25	537.59	19.98	536.86	19.74	537.10	19.89	536.95	22.58	534.26	22.50	534.34	23.78	533.06	22.95	533.89
BW-19	612.93	609.70	5.12	607.81	4.75	608.18	3.35	609.58	4.51	608.42	7.21	605.72	5.37	607.56	5.23	607.70	3.70	609.23	16.74	596.19	5.05	607.88	4.90	608.03	3.56	609.37	4.22	608.71
BW-20	622.57	619.52	42.89	579.68	42.52	580.05	41.99	580.58	42.99	579.58	43.10	579.47	43.34	579.23	43.00	579.57	42.16	580.41	42.87	579.70	43.03	579.54	42.75	579.82	46.26	576.31	42.70	579.87
BW-21	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
BW-22	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
BW-23	562.74	562.95	46.53	516.21	48.35	514.39	46.47	516.27	55.68	507.06	56.11	506.63	56.56	506.18	50.51	512.23	41.41	521.33	53.34	509.40	55.99	506.75	47.63	515.11	50.87	511.87	49.90	512.84

Notes:

¹ TOC - top of casing
² TOC elevations are referenced to the Indiana West State Plane
Coordinates NAVD88, NAD83

³ Depth to water is provided in feet below the well TOC

Not Installed
 Not Measured

NA - Well repaired and resurveyed - see OB-06R
 NA - Well repaired and resurveyed - see OB-46SR
 NA - Well repaired and resurveyed - see PZ-06R

SUMMARY OF RESPONSE TESTING DATA

RADIO MATERIALS CORPORATION ATTICA, INDIANA

TABLE 3.4

Oberburden Wells OB-7 Pre-Phase IIB RFI 5.88E-04 OB-09 SW 2.58E-03 OB-10 Pre-Phase IIB RFI 2.51E-03 OB-13 Pre-Phase IIB RFI 2.22E-03 OB-15 GM 2.00E-02 OB-16 SW 6.07E-03 OB-18 GM 3.91E-03 OB-18 GM 9.10E-04 OB-21 GM 9.10E-04 OB-25 GM 9.10E-04 OB-25 GM 1.25E-03 OB-26 ML/GM 2.55E-03 OB-27 GM 1.60E-03 OB-29 GM 1.75E-04 OB-30 sandstone 6.55E-04 OB-31 ML 1.04E-05 OB-32 ML 1.03E-02 PZ-04 SP/ML 9.41E-06 PZ-05 SP/GM 2.80E-04 PZ-06 SW 3.06E-04 Maximum 9.00E-02 Minimum 9.41E-06 <t< th=""><th>Well Identifier</th><th>Aquifer Material (USCS code)</th><th>Hydraulic Conductivity (k) (cm/sec)</th></t<>	Well Identifier	Aquifer Material (USCS code)	Hydraulic Conductivity (k) (cm/sec)
OB-09 SW 2.58E-03 OB-10 Pre-Phase IIB RFI 2.51E-03 OB-13 Pre-Phase IIB RFI 2.22E-03 OB-15 GM 2.00E-02 OB-16 SW 6.07E-03 OB-16 SW 6.07E-03 OB-18 GM 3.91E-03 OB-18 GM 3.91E-03 OB-21 GM 9.10E-04 OB-25 GM 9.10E-04 OB-25 GM 1.25E-03 OB-26 ML/GM 2.55E-03 OB-27 GM 1.60E-03 OB-30 sandstone 6.55E-04 OB-31 ML 1.04E-05 OB-32 ML 1.03E-02 PZ-04 SP/ML 9.41E-06 PZ-05 SP/GM 2.80E-04 PZ-06 SW 3.06E-04 Maximum 9.41E-06 Geometric Mean 9.10E-04 BW-03 gray shale 1.98E-04 BW-04 gray shale 1.22E-03 <td>Overburden Wells</td> <td></td> <td></td>	Overburden Wells		
OB-10 Pre-Phase IIB RFI 2.51E-03 OB-13 Pre-Phase IIB RFI 2.22E-03 OB-15 GM 2.00E-02 OB-16 SW 6.07E-03 OB-18 GM 3.91E-03 OB-21 GM 9.10E-04 OB-25 GM 1.25E-03 OB-26 ML/GM 2.55E-03 OB-27 GM 1.60E-03 OB-29 GM 1.75E-04 OB-30 sandstone 6.55E-04 OB-31 ML 1.04E-05 OB-32 ML 1.03E-02 PZ-04 SP/ML 9.41E-06 PZ-05 SP/GM 2.80E-04 PZ-06 SW 3.06E-04 Maximum 2.00E-02 Minimum 9.41E-06 Geometric Mean 9.10E-04 Bedrock Wells BW-01 siltstone 3.18E-02 BW-03 gray shale 1.98E-04 BW-04 gray shale 5.28E-04	OB-7	Pre-Phase IIB RFI ¹	5.88E-04
OB-13	OB-09	SW	2.58E-03
OB-15 OB-16 OB-16 OB-18 OB-18 OB-18 OB-21 OB-21 OB-21 OB-25 OB-26 OB-26 OB-26 OB-26 OB-27 OB-29 OB-30 OB-30 OB-31 OB-32 OB-32 ML DB-32 DB-34 DB-36 DB-32 DB-32 DB-34 DB-36 DB-32 DB-36 DB-32 DB-36 DB-32 DB-36 DB-	OB-10	Pre-Phase IIB RFI	2.51E-03
OB-16 SW 6.07E-03 OB-18 GM 3.91E-03 OB-21 GM 9.10E-04 OB-25 GM 1.25E-03 OB-26 ML/GM 2.55E-03 OB-27 GM 1.60E-03 OB-27 GM 1.60E-03 OB-29 GM 1.75E-04 OB-30 sandstone 6.55E-04 OB-31 ML 1.03E-02 PZ-04 SP/ML 9.41E-06 PZ-05 SP/GM 2.80E-04 PZ-06 SW 3.06E-04 Maximum 2.00E-02 Minimum 9.41E-06 Geometric Mean 9.10E-04 Bedrock Wells BW-01 siltstone 3.18E-02 BW-02 siltstone 3.18E-02 BW-03 gray shale 5.28E-04 BW-04 gray shale 5.28E-04 BW-05 siltstone 1.22E-03 BW-06 sltstn/shale 1.58E-03 <	OB-13	Pre-Phase IIB RFI	2.22E-03
OB-18 GM 3,91E-03 OB-21 GM 9,10E-04 OB-25 GM 1,25E-03 OB-26 ML/GM 2,55E-03 OB-27 GM 1,60E-03 OB-29 GM 1,75E-04 OB-30 sandstone 6,55E-04 OB-31 ML 1,04E-05 OB-32 ML 1,03E-02 PZ-04 SP/ML 9,41E-06 PZ-05 SP/GM 2,80E-04 PZ-06 SW 3,06E-04 Maximum 2,00E-02 Minimum 9,41E-06 Geometric Mean 9,10E-04 BW-06 BW-03 gray shale 1,98E-04 BW-04 gray shale 1,22E-03 BW-05 siltstone 1,22E-03 BW-06 sltstn/shale 1,58E-03 BW-07 sltstn/shale 1,59E-03 BW-08 shale/sltstn 1,79E-03 BW-09 sandstone 1,35E-03	OB-15	GM	2.00E-02
OB-21 GM 9.10E-04 OB-25 GM 1,25E-03 OB-26 ML/GM 2,55E-03 OB-27 GM 1,60E-03 OB-29 GM 1,75E-04 OB-30 sandstone 6,55E-04 OB-31 ML 1,04E-05 OB-32 ML 1,03E-02 PZ-04 SP/ML 9,41E-06 PZ-05 SP/GM 2,80E-04 PZ-06 SW 3,06E-04 Maximum 2,00E-02 Minimum 9,41E-06 Geometric Mean 9,10E-04 Bedrock Wells BW-01 siltstone 4,08E-02 BW-02 siltstone 3,18E-02 BW-03 gray shale 1,98E-04 BW-04 gray shale 1,98E-04 BW-05 siltstone 1,22E-03 BW-06 sltstn/shale 1,58E-03 BW-07 sltstn/shale 5,94E-04 BW-08 shale/sltstn 1,79E-03 <td>OB-16</td> <td>SW</td> <td>6.07E-03</td>	OB-16	SW	6.07E-03
OB-25 GM 1.25E-03 OB-26 MIL/GM 2.55E-03 OB-27 GM 1.60E-03 OB-29 GM 1.75E-04 OB-30 sandstone 6.55E-04 OB-31 ML 1.04E-05 OB-32 ML 1.03E-02 PZ-04 SP/ML 9.41E-06 PZ-05 SP/GM 2.80E-04 PZ-06 SW 3.06E-04 Maximum 9.41E-06 Geometric Mean 9.10E-04 Bedrock Wells BW-01 siltstone 4.08E-02 BW-03 gray shale 1.98E-04 BW-04 gray shale 1.22E-03 BW-05 siltstone 1.22E-03 BW-06 sltstn/shale 5.94E-04 BW-07 sltstn/shale 5.94E-04 BW-08 shale/sltstn 1.79E-03 BW-09 sandstone 1.35E-03 BW-10 siltstone 3.62E-03 BW-11 siltstone 3.62E-03 BW-13 sandstone 4.34E-03 Maximum 4.08E-02 Minimum 4.08E-02	OB-18	GM	3.91E-03
OB-26 ML/GM 2.55E-03 OB-27 GM 1.60E-03 OB-29 GM 1.75E-04 OB-30 sandstone 6.55E-04 OB-31 ML 1.04E-05 OB-32 ML 1.03E-02 PZ-04 SP/ML 9.41E-06 PZ-05 SP/GM 2.80E-04 PZ-06 SW 3.06E-04 Maximum 9.41E-06 Geometric Mean 9.10E-04 Bedrock Wells BW-01 siltstone 4.08E-02 BW-03 gray shale 1.98E-04 BW-04 gray shale 5.28E-04 BW-05 siltstone 1.22E-03 BW-06 sltstn/shale 1.58E-03 BW-07 sltstn/shale 1.58E-03 BW-08 shale/sltstn 1.79E-03 BW-09 sandstone 1.35E-03 BW-09 sandstone 1.35E-03 BW-10 ss/sltstn/shale 3.62E-03 BW-11 siltstone 2.82E-03 BW-13 sandstone 4.34E-03 Maximum 4.08E-02 Minimum 1.98E-04	OB-21	GM	9.10E-04
OB-27 GM 1.60E-03 OB-29 GM 1.75E-04 OB-30 sandstone 6.55E-04 OB-31 ML 1.04E-05 OB-32 ML 1.03E-02 PZ-04 SP/ML 9.41E-06 PZ-05 SP/GM 2.80E-04 PZ-06 SW 3.06E-04 Maximum 9.41E-06 Geometric Mean 9.10E-04 Bedrock Wells BW-01 siltstone 4.08E-02 BW-03 gray shale 1.98E-04 BW-04 gray shale 5.28E-04 BW-05 siltstone 1.22E-03 BW-06 sltstn/shale 1.58E-03 BW-07 sltstn/shale 5.94E-04 BW-08 shale/sltstn 1.79E-03 BW-09 sandstone 1.35E-03 BW-09 sandstone 1.35E-03 BW-10 ss/sltstn/shale 3.62E-03 BW-11 siltstone 2.82E-03 BW-13 sandstone 4.34E-03 Maximum 4.08E-02 Minimum 1.98E-04	OB-25	GM	1.25E-03
OB-29 GM 1.75E-04 OB-30 sandstone 6.55E-04 OB-31 ML 1.04E-05 OB-32 ML 1.03E-02 PZ-04 SP/ML 9.41E-06 PZ-05 SP/GM 2.80E-04 PZ-06 SW 3.06E-04 Maximum 9.41E-06 Geometric Mean 9.10E-04 Bedrock Wells BW-01 siltstone 3.18E-02 BW-02 siltstone 3.18E-02 BW-03 gray shale 1.98E-04 BW-04 gray shale 5.28E-04 BW-05 siltstone 1.22E-03 BW-06 sltstn/shale 1.58E-03 BW-07 sltstn/shale 5.94E-04 BW-08 shale/sltstn 1.79E-03 BW-09 sandstone 1.35E-03 BW-09 sandstone 1.35E-03 BW-10 ss/sltstn/shale 3.62E-03 BW-11 siltstone 2.82E-03 BW-11 siltstone 2.82E-03 BW-13 sandstone 4.34E-03 Maximum 4.08E-02 Minimum 4.08E-02	OB-26	ML/GM	2.55E-03
OB-30 sandstone 6.55E-04 OB-31 ML 1.04E-05 OB-32 ML 1.03E-02 PZ-04 SP/ML 9.41E-06 PZ-05 SP/GM 2.80E-04 PZ-06 SW 3.06E-04 Maximum 2.00E-02 Minimum 9.41E-06 Geometric Mean 9.10E-04 Bedrock Wells BW-01 siltstone 3.18E-02 BW-02 siltstone 3.18E-02 BW-03 gray shale 1.98E-04 BW-04 gray shale 5.28E-04 BW-05 siltstone 1.22E-03 BW-06 sltstn/shale 1.58E-03 BW-07 sltstn/shale 5.94E-04 BW-08 shale/sltstn 1.79E-03 BW-09 sandstone 1.35E-03 BW-10 ss/sltstn/shale 3.62E-03 BW-11 siltstone 2.82E-03 BW-13 sandstone 4.34E-03 Maximum 4.08E-02 Minimum 1.98E-04	OB-27	GM	1.60E-03
OB-31 ML 1.04E-05 OB-32 ML 1.03E-02 PZ-04 SP/ML 9.41E-06 PZ-05 SP/GM 2.80E-04 PZ-06 SW 3.06E-04 Maximum 2.00E-02 Minimum 9.41E-06 Geometric Mean 9.10E-04 Bedrock Wells BW-01 siltstone 3.18E-02 BW-02 siltstone 3.18E-02 BW-03 gray shale 1.98E-04 BW-04 gray shale 5.28E-04 BW-05 siltstone 1.22E-03 BW-05 siltstone 1.22E-03 BW-06 sltstn/shale 1.58E-03 BW-07 sltstn/shale 5.94E-04 BW-08 shale/sltstn 1.79E-03 BW-09 sandstone 1.35E-03 BW-09 sandstone 1.35E-03 BW-10 ss/sltstn/shale 3.62E-03 BW-11 siltstone 2.82E-03 BW-13 sandstone 4.34E-03 Maximum 4.08E-02 Minimum 1.98E-04	OB-29	GM	1.75E-04
OB-32 ML 1.03E-02 PZ-04 SP/ML 9.41E-06 PZ-05 SP/GM 2.80E-04 PZ-06 SW 3.06E-04 Maximum 2.00E-02 Minimum 9.41E-06 Geometric Mean 9.10E-04 BW-01 Siltstone 3.18E-02 BW-02 Siltstone 3.18E-02 3.18E-02 BW-03 gray shale 1.98E-04 1.98E-04 BW-04 gray shale 5.28E-04 5.28E-04 BW-05 siltstone 1.22E-03 1.58E-03 BW-06 sltstn/shale 1.58E-03 5.94E-04 BW-07 sltstn/shale 5.94E-04 5.94E-04 BW-08 shale/sltstn 1.79E-03 5.94E-04 BW-09 sandstone 1.35E-03 3.62E-03 BW-10 ss/sltstn/shale 3.62E-03 3.62E-03 BW-11 siltstone 2.82E-03 4.34E-03 Maximum 4.08E-02 Minimum 1.98E-04	OB-30	sandstone	6.55E-04
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PZ-05 SP/GM 2.80E-04 PZ-06 SW 3.06E-04 Maximum 2.00E-02 Minimum 9.41E-06 Minimum 9.41E-06 Geometric Mean 9.10E-04 Bedrock Wells BW-01 siltstone 4.08E-02 BW-02 siltstone 3.18E-02 BW-03 gray shale 1.98E-04 BW-04 gray shale 5.28E-04 BW-05 siltstone 1.22E-03 BW-06 sltstn/shale 1.58E-03 BW-07 sltstn/shale 5.94E-04 BW-08 shale/sltstn 1.79E-03 BW-09 sandstone 1.35E-03 BW-10 ss/sltstn/shale 3.62E-03 BW-11 siltstone 2.82E-03 BW-13 sandstone 4.34E-03 Maximum 4.08E-02 Minimum 1.98E-04	OB-32	ML	1.03E-02
PZ-06 SW 3.06E-04 Maximum 2.00E-02 Minimum 9.41E-06 Minimum 9.41E-06 Geometric Mean 9.10E-04 BW-01 siltstone 4.08E-02 BW-02 siltstone 3.18E-02 BW-03 gray shale 1.98E-04 BW-04 gray shale 5.28E-04 BW-05 siltstone 1.22E-03 BW-06 sltstn/shale 1.58E-03 BW-07 sltstn/shale 5.94E-04 BW-08 shale/sltstn 1.79E-03 BW-09 sandstone 1.35E-03 BW-10 ss/sltstn/shale 3.62E-03 BW-11 siltstone 2.82E-03 BW-13 sandstone 4.34E-03 Maximum 4.08E-02	PZ-04	SP/ML	9.41E-06
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Bedrock Wells BW-01 siltstone 4.08E-02 BW-02 siltstone 3.18E-02 BW-03 gray shale 1.98E-04 BW-04 gray shale 5.28E-04 BW-05 siltstone 1.22E-03 BW-06 sltstn/shale 1.58E-03 BW-07 sltstn/shale 5.94E-04 BW-08 shale/sltstn 1.79E-03 BW-09 sandstone 1.35E-03 BW-10 ss/sltstn/shale 3.62E-03 BW-11 siltstone 2.82E-03 BW-13 sandstone 4.34E-03 Maximum 4.08E-02 Minimum 1.98E-04		Minimum	9.41E-06
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Maximum 4.08E-02 Minimum 1.98E-04	BW-11	, ,	2.82E-03
Minimum 1.98E-04	BW-13	sandstone	4.34E-03
	-	Maximum	4.08E-02
Geometric Mean 2.25E-03		Minimum	1.98E-04
		Geometric Mean	2.25E-03

 $^{^{\}rm 1}$ Well installed prior to the Phase IIB RFI, no record available

TABLE 3.5

SUMMARY OF DATA QUALIFIERS RADIO MATERIALS CORPORATION ATTICA, INDIANA

Qualifier ¹	Definition
<u>Organics</u> U	The analyte was analyzed for, but was not detected above the reported sample quantitation limit.
J	The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.
N	The analysis indicates the presence of an analyte for which there is presumptive evidence to make a "tentative identification".
NJ	The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents its approximate concentration.
R	The sample results are rejected due to serious deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte cannot be verified.
UJ	The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.
<u>Inorganics</u>	
U	The material was analyzed for, but was not detected above the level of the associated value.
J	The associated value is an estimated quantity.
R	The data are unusable.
UJ	The material was analyzed for, but was not detected. The associated value is an estimate and may be inaccurate or imprecise.

SUMMARY OF SOIL METALS ANALYTICAL DATA - BACKGROUND WELLS RADIO MATERIALS CORPORATION ATTICA, INDIANA

Sample Location: Sample ID: Sample Date: Sample Depth:	IDEM RISC IDCL a	IDEM RISC RDCL b	BW-01 S-080403-JM-1000 8/4/2003 0-0.5 ft BGS	BW-01 S-080403-JM-1001 8/4/2003 1-3 ft BGS	BW-02 S-081503-JM-1007 8/15/2003 0-0.5 ft BGS	BW-02 S-081503-JM-1008 8/15/2003 1-3 ft BGS	BW-03 S-080603-JM-1005 8/6/2003 0-0.5 ft BGS	BW-03 S-080603-JM-1006 8/6/2003 1-3 ft BGS	BW-04 S-082603-JM-011 8/26/2003 1-3 ft BGS	BW-05 S-082503-JM-009 8/25/2003 0-0.5 ft BGS	BW-05 S-082503-JM-010 8/25/2003 1-3 ft BGS	BW-06 S-082603-JM-012 8/26/2003 0-0.5 ft BGS	BW-06 S-082603-JM-013 8/26/2003 1-3 ft BGS	BW-07 S-080603-JM-1002 8/6/2003 0-0.5 ft BGS	BW-07 S-080603-JM-1003 8/6/2003 0-0.5 ft BGS Duplicate	BW-07 S-080603-JM-1004 8/6/2003 1-3 ft BGS	BW-08 S-082803-JM-018 8/28/2003 0-0.5 ft BGS	BW-08 S-082803-JM-019 8/28/2003 1-3 ft BGS	BW-09 S-082703-JM-014 8/27/2003 0-0.5 ft BGS	BW-09 S-082703-JM-015 8/27/2003 1-3 ft BGS	BW-10 S-082703-JM-016 8/27/2003 0-0.5 ft BGS	BW-10 S-082703-JM-017 8/27/2003 1-3 ft BGS
Metals (mg/kg)																						
Aluminum	*	*	12500	9910	5860	9970	13200	8980	5850	6880	11800	12900	2940	8490	9400	18600	9070	10000	9730	17600	9320	19200
Antimony	37	5.4	0.13 J	0.14 J	0.46 J	0.15 J	0.11 J	0.11 J	0.07 J	0.14 J	0.18 J	0.17 J	0.16 J	0.28 J	0.27 J	0.2 J	0.18 J	0.12 J	0.16 J	0.14 J	0.19 J	0.16 J
Arsenic	20	3.9	8.4 ^b	6.3 ^b	8.5 ^b	7.2 ^b	4.7 ^b	6.7 ^b	4.6 ^b	4.5 ^b	6.8 ^b	13 ^b	12.8 ^b	6.3 ^b	6.3 ^b	7.5 ^b	5.3 ^b	8.5 ^b	4.2 ^b	5.2 ^b	4.2 ^b	8 ^b
Barium	5900	1600	80.3	73.4	378	81.1	78.6	46.3	51.7	166	131	123	29.8	141	142	112	98.1	86.3	86.7	121	94	94
Beryllium	2300	63	0.52	0.48	0.29	0.3	0.5	0.32	0.26	0.45	0.44	0.52	0.17	0.53	0.54	0.62	0.42	0.49	0.36	0.52	0.38	0.59
Cadmium	77	7.5	0.29	0.23	0.88	0.23	0.17	0.18	0.16	0.43	0.22	0.34	0.21	0.34	0.33	0.21	0.32	0.27	0.25	0.15	0.31	0.1
Calcium	420	*	27100	91200	90900	46700	2170	57700	9500	1370	19500	4080	105000	5580	2150	3060	7400	26300 J	2260	3130	2750	2160
Chromium Total Cobalt	120	38	17.3 7.8	14 5.9	11.7 6.2	16 8.8	18.5 7.1	15.8 6.8	9.2 4.3	10.5 12.3	17.7	20.5 11	6.3 4.3	12.7 8.8	14.5	27.5 12.9	13.2 8.7	15.2 7.3	13 9.6	20.1 9.3	12.1	22.6
	2700	920	7.8 15.6	5.9 15.4	15.6	8.8 14.9	7.1 12.4	6.8 15.7	4.3 8.4	12.3	11.8 13.4	16.8	4.3 15.6	8.8 16.4	16.6	16.8	20.2	7.3 15.6 J	9.6	9.5 9.5	10.1	19
Copper Iron	2700 *	920 *	18800	13900	15300	20900	18600	16100	14400	13300	27400	27600	22900	15300	16300	31100	16900	20900	14700	22400	13800	29800
	230	81	20.4	30.9	86.4 ^b								27.5					17.6 J				17
Lead	230	81	11000	22900	39600	19.9 15800	19.4 2270	7.42 20900	12.1 6440	21.5 1580	18.9 12300	32 3080	39900	34.8 1900	34.9 1740	26.6 3100	31.7 4310	17.6)	13.6 1930	15.4 3290	21.2 2050	3800
Magnesium Manganese	*	*	768	491	523	505	228	367	539	1620	1010	1160	604	1300	1280	1090	977	419 J	1280	759	813	481
Mercury	32	2.1	ND (0.02)	0.05	0.04	0.02	0.04	0.02	ND (0.02)	0.04	0.03	0.04	ND (0.01)	0.07	0.08	0.08	0.04	0.03	0.03	0.03	0.04	0.04
Nickel	2700	950	22.3	17.9	22.7	17.9	11.4	17.3	11.5	14	18.6	21.5	35	13.3	13.4	17.3	10.6	23.4 J	12.1	13	9.8	17.8
Potassium	*	*	1960	1790	770	1090	1200	1660	546	817	1380	1870	554	867	969	1090	1120	1270	990	1580	988	1300
Selenium	53	5.2	ND (1.1)	ND (1.1)	ND (1.2)	ND (1.3)	ND (1.1)	ND (1.1)	ND (1.2)	ND (1.2)	ND (1.2)	1.6	ND (1)	ND (1.2)	ND (1.2)	ND (1.2)	ND (1.3)	ND (1.2)	ND (1.2)	ND (1.3)	ND (1.1)	ND (1.2)
Silver	87	31	0.63	0.09	12.6	0.67	0.05	ND (0.02)	0.03	0.06	0.07	0.19	0.02	0.06	0.07	0.04	0.12	ND (0.02)	0.05	0.06	0.15	0.04
Sodium	*	*	63.3	133	108	80.6	38.3	117	26.5	ND (24)	60.1	45.6	101	37.1	41.1	69.8	37.3	73.4	36.2	46.1	26.3	33.8
Thallium	10	2.8	0.32	0.28	0.22	0.24	0.19	0.25	0.13	0.23	0.32	0.28	0.26	0.18	0.18	0.19	0.18	0.3	0.17	0.2	0.16	0.26
Vanadium	*	*	23.1	18.5	15.3	14.7	26.9	17.5	13.5	20.7	23.9	26.2	12.6	18.3	18.4	28.5	20.3	22.2	15.1	24.3	16.7	25.2
Zinc	10000	10000	64.6	82.2	119	75.6	53.8	48.5	54.1	54.3	93.3	79.2	87.4	66.5	74.9	82.2	110	86.9	45	57.6	60	73.8

Notes:

IDEM - Indiana Department of Environmental Management
RISC - Risk Integrated System of Closure
IDCL - Industrial Default Closure Level
RDCL - Residential Default Closure Level
* - Criteria not established for this analyte.
- - Not Analyzed
BGS - below ground surface
mg/kg - milligrams per kilogram
ND(1.1) - Analyte not detected at quantitation limit in parenthesis.
J - The associated value is an estimated quantity.

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10,000

10,000

SUMMARY OF CALCULATED BACKGROUND METALS CONCENTRATIONS RADIO MATERIALS CORPORATION ATTICA, INDIANA

Surface Samples (0-0.5 feet bgs) IDEM Default Number of Data Statistical Outliers Background Background Closure Levels (mg/kg)² Method (1)(2) Distribution (1) $Level^{(1)}$ Number Value(s) RDCLs **IDCLs** Metals Units Samples Aluminum mg/kg 9 Normal 0 Normal 99% UPL (t) 17777 NS NS mg/kg Gamma 0 99% WH Approx. Gamma UPL 0.606 5 37 Antimony Arsenic mg/kg Gamma 0 99% WH Approx. Gamma UPL 17.9 3.9 5.8 0 897 Barium mg/kg 9 Not Normal Nonparametric 99% UPL 1,600 10000 9 Normal 99% UPL (t) Beryllium Normal 0 0.700 63 2300 mg/kg Cadmium 9 Gamma (Normal) 2 0.88, 0.17 99% WH Approx. Gamma UPL (Normal 99% UPL (t)) 7.5 77 mg/kg 1.125 (0.513) Calcium mg/kg Lognormal 0 Lognormal 99% UPL (t) 361389 NS NS Chromium Total Normal 0 Normal 99% UPL (t) 25.0 10,000 10,000 mg/kg Cobalt mg/kg Normal 0 Normal 99% UPL (t) 14.7 NS NS Normal 25.1 Copper mg/kg 0 Normal 99% UPL (t) 920 2,900 9 Gamma (Normal) 99% WH Approx. Gamma UPL (Normal 99% UPL (t)) Iron mg/kg 1 27600 31942 (22420) NS NS Lead mg/kg Gamma (Normal) 1 86.4 99% WH Approx. Gamma UPL (Normal 99% UPL (t)) 114 (48.2) 81 230 mg/kg Not Normal 0 Nonparametric 99% UPL 39600 NS NS Magnesium --Manganese mg/kg Normal 0 Normal 99% UPL (t) 2276 NS NS Mercury mg/kg Not Normal 0 Nonparametric 99% UPL 0.07 2.1 32 Gamma 0 950 2,700 Nickel mg/kg 9 99% WH Approx. Gamma UPL 36.07 Potassium mg/kg 9 Gamma 0 99% WH Approx. Gamma UPL 2838 NS NS Selenium mg/kg 1 N/A N/A N/A 5.2 53 1.60 Silver 9 Not Normal (Gamma) 12.6 Nonparametric 99% UPL (99% WH Approx. Gamma UPL) 31 87 mg/kg 1 12.6 (1.07) Sodium mg/kg 8 Gamma 0 99% WH Approx. Gamma UPL 153.1 NS NS 9 0 Normal 99% UPL (t) 2.8 Thallium mg/kg Normal 0.38 10 Vanadium 9 0 Normal 99% UPL (t) 33.7 NS NS mg/kg Normal

Normal 99% UPL (t)

Zinc

mg/kg

Normal

0

TABLE 4.2 Page 2 of 2

SUMMARY OF CALCULATED BACKGROUND METALS CONCENTRATIONS RADIO MATERIALS CORPORATION ATTICA, INDIANA

					Subsurface	Samples (1-3 feet bgs)		IDEM I	Default
		Number of	Data	Statistica	ıl Outliers	Background	Background	Closure Lev	vels (mg/kg)
Metals	Units	Samples	Distribution (1)	Number	Value(s)	Method (1)(2)	Level (1)	RDCLs	IDCLs
Aluminum	mg/kg	10	Normal	0		Normal 99% UPL (t)	27562	NS	NS
Antimony	mg/kg	10	Normal	0		Normal 99% UPL (t)	0.252	5	37
Arsenic	mg/kg	10	Normal (Normal)	1	12.8	Normal 99% UPL (t) (Normal 99% UPL (t))	14.0 (10.6)	3.9	5.8
Barium	mg/kg	10	Normal	0		Normal 99% UPL (t)	181	1,600	10000
Beryllium	mg/kg	10	Normal	0		Normal 99% UPL (t)	0.86	63	2300
Cadmium	mg/kg	10	Normal	0		Normal 99% UPL (t)	0.341	7.5	77
Calcium	mg/kg	10	Normal	0		Normal 99% UPL (t)	147894	NS	NS
Chromium Total	mg/kg	10	Normal	0		Normal 99% UPL (t)	34.6	10,000	10,000
Cobalt	mg/kg	10	Normal	0		Normal 99% UPL (t)	16.6	NS	NS
Copper	mg/kg	10	Normal	0		Normal 99% UPL (t)	24.0	920	2,900
Iron	mg/kg	10	Normal	0		Normal 99% UPL (t)	40017	NS	NS
Lead	mg/kg	10	Normal	0		Normal 99% UPL (t)	40.8	81	230
Magnesium	mg/kg	10	Normal	0		Normal 99% UPL (t)	48865	NS	NS
Manganese	mg/kg	10	Normal	0		Normal 99% UPL (t)	1360	NS	NS
Mercury	mg/kg	8	Normal	0		Normal 99% UPL (t)	0.101	2.1	32
Nickel	mg/kg	10	Lognormal	0		Lognormal 99% UPL (t)	44.4	950	2,700
Potassium	mg/kg	10	Normal	0		Normal 99% UPL (t)	2479	NS	NS
Selenium	mg/kg	0						5.2	53
Silver	mg/kg	8	Lognormal (Normal)	1	0.67	Lognormal 99% UPL (t) (Normal 99% UPL (t))	1.89 (0.132)	31	87
Sodium	mg/kg	10	Normal	0		Normal 99% UPL (t)	177	NS	NS
Thallium	mg/kg	10	Normal	0		Normal 99% UPL (t)	0.41	2.8	10
Vanadium	mg/kg	10	Normal	0		Normal 99% UPL (t)	36.3	NS	NS
Zinc	mg/kg	10	Normal	0		Normal 99% UPL (t)	120	10,000	10,000

Notes:

bgs - below ground surface

mg/kg - milligrams per kilogram

⁽¹⁾ For data sets with outliers present, background distributions, methods and levels excluding outliers are given in parentheses.

⁽²⁾ For detailed descriptions of statistical background methods, refer to ProUCL V4.00.04 Technical Guide (USEPA, 2009a).

SUMMARY OF SOIL VOC ANALYTICAL DATA - SWMUs 1 AND 2 TEST PITS RADIO MATERIALS CORPORATION ATTICA, INDIANA

Sample Location: Sample ID:	IDEM	IDEM	TP-A S-092503-JM-029	TP-C-1 S-092503-JM-030	TP-C-1 S-092503-JM-031	TP-C-2 S-092503-JM-032	TP-C-3 S-092503-JM-033	TP-D-1 S-092503-JM-034	TP-D-2 S-092503-JM-035	TP-D-3 S-092503-JM-036	TP-E-2 S-092303-JM-021	TP-E-2 S-092303-JM-022	TP-E-3 S-092303-JM-023	TP-E-4 S-092303-JM-025	TP-E-4 S-092303-JM-024	TP-F S-092303-JM-020	TP-H-1 S-092303-JM-026	TP-H-2 S-092303-JM-027	TP-H-3 S-092303-JM-028
Sample Date:	RISC	RISC	9/25/2003	9/25/2003	9/25/2003	9/25/2003	9/25/2003	9/25/2003	9/25/2003	9/25/2003	9/23/2003	9/23/2003	9/23/2003	9/23/2003	9/23/2003	9/23/2003	9/23/2003	9/23/2003	9/23/2003
Sample Depth:	IDCL a	RDCL b	3-3 ft BGS	2-2 ft BGS	2-2 ft BGS Duplicate	4-4 ft BGS	3-3 ft BGS	3-3 ft BGS	1-1 ft BGS	2-2 ft BGS	3-3 ft BGS	6-6 ft BGS	3-3 ft BGS	2-2 ft BGS	5-5 ft BGS	3-3 ft BGS	3-3 ft BGS	3-3 ft BGS	3-3 ft BGS
Volatile Organic Compounds (mg/kg) 1,1,1,2-Tetrachloroethane	0.85	0.053	ND (0.057)	ND (1.3)	ND (0.059)	ND (0.0049) UJ	ND (0.0048) UJ	ND (0.57)	ND (0.061)	ND (0.056)	ND (0.053)	ND (0.061)	ND (0.15)	ND (0.056)	ND (0.0044) UJ	ND (0.12)	ND (0.061)	ND (0.056)	ND (0.0058)
1,1,1-Trichloroethane	280	1.9	ND (0.057)	ND (1.3)	ND (0.059)	ND (0.0049)	ND (0.0048)	ND (0.57)	ND (0.061)	ND (0.056)	ND (0.053)	ND (0.061)	ND (0.15)	ND (0.056)	ND (0.0044)	ND (0.12)	ND (0.061)	ND (0.056)	ND (0.0058)
1,1,2,2-Tetrachloroethane	0.11	0.007	ND (0.057)	ND (1.3)	ND (0.059)	ND (0.0049)	ND (0.0048)	ND (0.57)	ND (0.061)	ND (0.056)	ND (0.053)	ND (0.061)	ND (0.15)	ND (0.056)	ND (0.0044)	ND (0.12)	ND (0.061)	ND (0.056)	ND (0.0058)
1,1,2-Trichloroethane	0.3	0.03	ND (0.057)	ND (1.3)	ND (0.059)	ND (0.0049)	ND (0.0048)	ND (0.57)	ND (0.061)	ND (0.056)	ND (0.053)	ND (0.061)	ND (0.15)	ND (0.056)	ND (0.0044)	ND (0.12)	ND (0.061)	ND (0.056)	ND (0.0058)
1,1-Dichloroethane	58	5.6	ND (0.057)	ND (1.3)	ND (0.059)	ND (0.0049)	ND (0.0048)	ND (0.57)	ND (0.061)	ND (0.056)	ND (0.053)	ND (0.061)	ND (0.15)	ND (0.056)	ND (0.0044)	ND (0.12)	ND (0.061)	ND (0.056)	ND (0.0058)
1,1-Dichloroethene 1,1-Dichloropropene	42 *	0.058	ND (0.057) ND (0.057)	ND (1.3) ND (1.3)	ND (0.059) ND (0.059)	ND (0.0049) ND (0.0049)	ND (0.0048) ND (0.0048)	ND (0.57) ND (0.57)	ND (0.061) ND (0.061)	ND (0.056) ND (0.056)	ND (0.053) ND (0.053)	ND (0.061) ND (0.061)	0.11 J ^b ND (0.15)	ND (0.056) ND (0.056)	ND (0.0044) ND (0.0044)	ND (0.12) ND (0.12)	ND (0.061) ND (0.061)	ND (0.056) ND (0.056)	ND (0.0058) ND (0.0058)
1,2,3-Trichlorobenzene	*	*	ND (0.23)	ND (5.2)	ND (0.24)	ND (0.02)	ND (0.02)	ND (2.3)	ND (0.25)	ND (0.23)	ND (0.21)	ND (0.25)	ND (0.60)	ND (0.23)	ND (0.018)	ND (0.47)	ND (0.25)	ND (0.23)	ND (0.024)
1,2,3-Trichloropropane	*	*	ND (0.057)	ND (1.3)	ND (0.059)	ND (0.0049)	ND (0.0048)	ND (0.57)	ND (0.061)	ND (0.056)	ND (0.053)	ND (0.061)	ND (0.15)	ND (0.056)	ND (0.0044)	ND (0.12)	ND (0.061)	ND (0.056)	ND (0.0058)
1,2,4-Trichlorobenzene	77	5.3	ND (0.23)	ND (5.2)	ND (0.24)	ND (0.02)	ND (0.02)	ND (2.3)	ND (0.25)	ND (0.23)	ND (0.21)	ND (0.25)	ND (0.60)	ND (0.23)	ND (0.018)	ND (0.47)	ND (0.25)	ND (0.23)	ND (0.024)
1,2,4-Trimethylbenzene	170	2.5	ND (0.23)	0.83 J	ND (0.24)	ND (0.02)	ND (0.02)	ND (2.3)	ND (0.25)	ND (0.23)	ND (0.21)	ND (0.25)	ND (0.60)	ND (0.23)	ND (0.018)	ND (0.47)	ND (0.25)	ND (0.23)	ND (0.024)
1,2-Dibromo-3-chloropropane (DBCP)	*		ND (0.23)	ND (5.2)	ND (0.24)	ND (0.02)	ND (0.02)	ND (2.3)	ND (0.25)	ND (0.23)	ND (0.21)	ND (0.25)	ND (0.60)	ND (0.23)	ND (0.018)	ND (0.47)	ND (0.25)	ND (0.23)	ND (0.024)
1,2-Dibromoethane (Ethylene Dibromide) 1,2-Dichlorobenzene	220	17	ND (0.23) ND (0.057)	ND (5.2) ND (1.3)	ND (0.24) ND (0.059)	ND (0.02) ND (0.0049)	ND (0.02) ND (0.0048)	ND (2.3) ND (0.57)	ND (0.25) ND (0.061)	ND (0.23) ND (0.056)	ND (0.21) ND (0.053)	ND (0.25) ND (0.061)	ND (0.60) ND (0.15)	ND (0.23) ND (0.056)	ND (0.018) ND (0.0044)	ND (0.47) ND (0.12)	ND (0.25) ND (0.061)	ND (0.23) ND (0.056)	ND (0.024) ND (0.0058)
1,2-Dichloroethane	0.15	0.024	ND (0.057)	ND (1.3)	ND (0.059)	ND (0.0049)	ND (0.0048)	ND (0.57)	ND (0.061)	ND (0.056)	ND (0.053)	ND (0.061)	ND (0.15)	ND (0.056)	ND (0.0044)	ND (0.12)	ND (0.061)	ND (0.056)	ND (0.0058)
1,2-Dichloropropane	0.25	0.03	ND (0.057)	ND (1.3)	ND (0.059)	ND (0.0049)	ND (0.0048)	ND (0.57)	ND (0.061)	ND (0.056)	ND (0.053)	ND (0.061)	ND (0.15)	ND (0.056)	ND (0.0044)	ND (0.12)	ND (0.061)	ND (0.056)	ND (0.0058)
1,3,5-Trimethylbenzene	68	0.61	ND (0.23)	0.44 J	ND (0.24)	ND (0.02)	ND (0.02)	ND (2.3)	ND (0.25)	ND (0.23)	ND (0.21)	ND (0.25)	ND (0.60)	ND (0.23)	ND (0.018)	ND (0.47)	ND (0.25)	ND (0.23)	ND (0.024)
1,3-Dichlorobenzene	2.7	0.2	ND (0.057)	ND (1.3)	ND (0.059)	ND (0.0049)	ND (0.0048)	ND (0.57)	ND (0.061)	ND (0.056)	ND (0.053)	ND (0.061)	ND (0.15)	ND (0.056)	ND (0.0044)	ND (0.12)	ND (0.061)	ND (0.056)	ND (0.0058)
1,3-Dichloropropane	* 3.4	*	ND (0.057)	ND (1.3)	ND (0.059)	ND (0.0049)	ND (0.0048)	ND (0.57)	ND (0.061)	ND (0.056)	ND (0.053)	ND (0.061)	ND (0.15)	ND (0.056)	ND (0.0044)	ND (0.12)	ND (0.061)	ND (0.056)	ND (0.0058)
1,4-Dichlorobenzene 2,2-Dichloropropane	3.4	2.2	ND (0.057) ND (0.057)	ND (1.3) ND (1.3)	ND (0.059) ND (0.059)	ND (0.0049) ND (0.0049)	ND (0.0048) ND (0.0048)	ND (0.57) ND (0.57)	ND (0.061) ND (0.061)	ND (0.056) ND (0.056)	ND (0.053) ND (0.053)	ND (0.061) ND (0.061)	ND (0.15) ND (0.15)	ND (0.056) ND (0.056)	ND (0.0044) ND (0.0044)	ND (0.12) ND (0.12)	ND (0.061) ND (0.061)	ND (0.056) ND (0.056)	ND (0.0058) ND (0.0058)
2-Butanone (Methyl Ethyl Ketone)	250	35	ND (2.3)	ND (52)	ND (2.4)	ND (0.02)	ND (0.02)	ND (23)	ND (2.5)	ND (2.3)	ND (2.1)	ND (2.5)	ND (6.0)	ND (2.3)	ND (0.018)	ND (4.7)	ND (2.5)	ND (2.3)	ND (0.024)
2-Chlorotoluene	*	*	ND (0.23)	ND (5.2)	ND (0.24)	ND (0.02)	ND (0.02)	ND (2.3)	ND (0.25)	ND (0.23)	ND (0.21)	ND (0.25)	ND (0.60)	ND (0.23)	ND (0.018)	ND (0.47)	ND (0.25)	ND (0.23)	ND (0.024)
2-Hexanone	*	*	ND (2.3)	ND (52) UJ	ND (2.4) UJ	ND (0.02)	ND (0.02)	ND (23) UJ	ND (2.5) UJ	ND (2.3) UJ	ND (2.1) UJ	ND (2.5) UJ	ND (6.0) UJ	ND (2.3) UJ	ND (0.018)	ND (4.7) UJ	ND (2.5) UJ	ND (2.3) UJ	ND (0.024)
2-Phenylbutane (sec-Butylbenzene)	*	*	ND (0.23)	ND (5.2)	ND (0.24)	ND (0.02)	ND (0.02)	ND (2.3)	ND (0.25)	ND (0.23)	ND (0.21)	ND (0.25)	ND (0.60)	ND (0.23)	ND (0.018)	ND (0.47)	ND (0.25)	ND (0.23)	ND (0.024)
4-Chlorotoluene 4-Methyl-2-Pentanone	*	*	ND (0.23)	ND (5.2)	ND (0.24)	ND (0.02)	ND (0.02)	ND (2.3)	ND (0.25)	ND (0.23)	ND (0.21)	ND (0.25)	ND (0.60)	ND (0.23)	ND (0.018)	ND (0.47)	ND (0.25)	ND (0.23)	ND (0.024)
(Methyl Isobutyl Ketone)	75	20	ND (2.3)	ND (52)	ND (2.4)	ND (0.02)	ND (0.02)	ND (23)	ND (2.5)	ND (2.3)	ND (2.1)	ND (2.5)	ND (6.0)	ND (2.3)	ND (0.018)	ND (4.7)	ND (2.5)	ND (2.3)	ND (0.024)
Acetone	370	3.8	ND (2.3)	ND (52)	ND (2.4)	ND (0.049) UJ	ND (0.048) UJ	ND (23)	ND (2.5)	ND (2.3)	ND (2.1)	ND (2.5)	ND (6.0)	ND (2.3)	ND (0.044)	ND (4.7)	ND (2.5)	ND (2.3)	ND (0.058)
Benzene	0.35	0.034	ND (0.057)	ND (1.3)	ND (0.059)	ND (0.0049)	ND (0.0048)	ND (0.57)	ND (0.061)	ND (0.056)	ND (0.053)	ND (0.061)	ND (0.15)	ND (0.056)	ND (0.0044)	ND (0.12)	ND (0.061)	ND (0.056)	ND (0.0058)
Bromobenzene	* 0.51	*	ND (0.23)	ND (5.2)	ND (0.24)	ND (0.0049)	ND (0.0048)	ND (2.3)	ND (0.25)	ND (0.23)	ND (0.21)	ND (0.25)	ND (0.60)	ND (0.23)	ND (0.0044)	ND (0.47)	ND (0.25)	ND (0.23)	ND (0.0058)
Bromodichloromethane Bromoform	2.7	0.51 0.6	ND (0.057) ND (0.057)	ND (1.3) ND (1.3)	ND (0.059) ND (0.059)	ND (0.0049) ND (0.0049) UJ	ND (0.0048) ND (0.0048) UJ	ND (0.57) ND (0.57)	ND (0.061) ND (0.061)	ND (0.056) ND (0.056)	ND (0.053) ND (0.053)	ND (0.061) ND (0.061)	ND (0.15) ND (0.15)	ND (0.056) ND (0.056)	ND (0.0044) ND (0.0044) UJ	ND (0.12) ND (0.12)	ND (0.061) ND (0.061)	ND (0.056) ND (0.056)	ND (0.0058) ND (0.0058) UJ
Bromomethane (Methyl Bromide)	0.7	0.052	ND (0.057)	ND (1.3)	ND (0.059)	ND (0.0049) UJ	ND (0.0048) UJ	ND (0.57)	ND (0.061)	ND (0.056)	ND (0.053) UJ	ND (0.061) UJ	ND (0.15) UJ	ND (0.056) UJ	ND (0.0044)	ND (0.12) UJ	ND (0.061) UJ	ND (0.056) UI	ND (0.0058)
Carbon disulfide	82	10	ND (0.057)	ND (1.3)	ND (0.059)	ND (0.0049)	ND (0.0048)	ND (0.57)	ND (0.061)	ND (0.056)	ND (0.053)	ND (0.061)	ND (0.15)	ND (0.056)	ND (0.0044)	ND (0.12)	ND (0.061)	ND (0.056)	ND (0.0058)
Carbon tetrachloride	0.29	0.066	ND (0.057)	ND (1.3)	ND (0.059)	ND (0.0049)	ND (0.0048)	ND (0.57)	ND (0.061)	ND (0.056)	ND (0.053)	ND (0.061)	ND (0.15)	ND (0.056)	ND (0.0044)	ND (0.12)	ND (0.061)	ND (0.056)	ND (0.0058)
Chlorobenzene	27	1.3	ND (0.057)	ND (1.3)	ND (0.059)	ND (0.0049)	ND (0.0048)	ND (0.57)	ND (0.061)	ND (0.056)	ND (0.053)	ND (0.061)	ND (0.15)	ND (0.056)	ND (0.0044)	ND (0.12)	ND (0.061)	ND (0.056)	ND (0.0058)
Chlorobromomethane Chloroethane	10	0.65	ND (0.057) ND (0.057)	ND (1.3) ND (1.3)	ND (0.059) ND (0.059)	ND (0.0049)	ND (0.0048)	ND (0.57) ND (0.57)	ND (0.061) ND (0.061)	ND (0.056)	ND (0.053) ND (0.053)	ND (0.061)	ND (0.15) ND (0.15)	ND (0.056)	ND (0.0044)	ND (0.12) ND (0.12)	ND (0.061) ND (0.061)	ND (0.056)	ND (0.0058) ND (0.0058)
Chloroform (Trichloromethane)	1.2	0.65	ND (0.057) ND (0.057)	ND (1.3)	ND (0.059) ND (0.059)	ND (0.0049) ND (0.0049)	ND (0.0048) ND (0.0048)	ND (0.57)	ND (0.061)	ND (0.056) ND (0.056)	ND (0.053)	ND (0.061) ND (0.061)	ND (0.15)	ND (0.056) ND (0.056)	ND (0.0044) ND (0.0044)	ND (0.12)	ND (0.061)	ND (0.056) ND (0.056)	ND (0.0058)
Chloromethane (Methyl Chloride)	*	*	ND (0.057)	ND (1.3)	ND (0.059)	ND (0.0049)	ND (0.0048)	ND (0.57)	ND (0.061)	ND (0.056)	ND (0.053)	ND (0.061)	ND (0.15)	ND (0.056)	ND (0.0044)	ND (0.12)	ND (0.061)	ND (0.056)	ND (0.0058)
cis-1,2-Dichloroethene	5.8	0.4	0.31	23 J ^{ab}	0.25 J	0.0035 J	ND (0.0048)	ND (0.57)	ND (0.061)	0.038 J	ND (0.053)	ND (0.061)	110 ^{ab}	0.014 J	ND (0.0044)	ND (0.12)	ND (0.061)	ND (0.056)	ND (0.0058)
cis-1,3-Dichloropropene	*	*	ND (0.057)	ND (1.3)	ND (0.059)	ND (0.0049)	ND (0.0048)	ND (0.57)	ND (0.061)	ND (0.056)	ND (0.053)	ND (0.061)	ND (0.15)	ND (0.056)	ND (0.0044)	ND (0.12)	ND (0.061)	ND (0.056)	ND (0.0058)
Cymene (p-Isopropyltoluene)	*	*	ND (0.23)	ND (5.2)	ND (0.24)	ND (0.02)	ND (0.02)	ND (2.3)	ND (0.25)	ND (0.23)	ND (0.21)	ND (0.25)	ND (0.60)	ND (0.23)	ND (0.018)	ND (0.47)	ND (0.25)	ND (0.23)	ND (0.024)
Dibromochloromethane Dibromomethane	*		ND (0.057) ND (0.057)	ND (1.3) ND (1.3)	ND (0.059) ND (0.059)	ND (0.0049) ND (0.0049)	ND (0.0048) ND (0.0048)	ND (0.57) ND (0.57)	ND (0.061) ND (0.061)	ND (0.056) ND (0.056)	ND (0.053) ND (0.053)	ND (0.061) ND (0.061)	ND (0.15) ND (0.15)	ND (0.056) ND (0.056)	ND (0.0044) ND (0.0044)	ND (0.12) ND (0.12)	ND (0.061) ND (0.061)	ND (0.056) ND (0.056)	ND (0.0058) ND (0.0058)
Dichlorodifluoromethane (CFC-12)	*		ND (0.057)	ND (1.3)	ND (0.059)	ND (0.0049)	ND (0.0048)	ND (0.57)	ND (0.061)	ND (0.056)	ND (0.053)	ND (0.061)	ND (0.15)	ND (0.056)	ND (0.0044)	ND (0.12)	ND (0.061)	ND (0.056)	ND (0.0058)
Ethylbenzene	160	13	ND (0.057)	ND (1.3)	ND (0.059)	ND (0.0049)	ND (0.0048)	ND (0.57)	ND (0.061)	0.021 J	ND (0.053)	ND (0.061)	ND (0.15)	ND (0.056)	ND (0.0044)	ND (0.12)	ND (0.061)	ND (0.056)	ND (0.0058)
Hexachlorobutadiene	44	16	ND (0.23)	ND (5.2)	ND (0.24)	ND (0.02)	ND (0.02)	ND (2.3)	ND (0.25)	ND (0.23)	ND (0.21)	ND (0.25)	ND (0.60)	ND (0.23)	ND (0.018)	ND (0.47)	ND (0.25)	ND (0.23)	ND (0.024)
Isopropylbenzene	*	*	ND (0.23)	0.31 J	ND (0.24)	ND (0.02)	ND (0.02)	ND (2.3)	ND (0.25)	ND (0.23)	ND (0.21)	ND (0.25)	ND (0.60)	ND (0.23)	ND (0.018)	ND (0.47)	ND (0.25)	ND (0.23)	ND (0.024)
m&p-Xylene	1.8	0.023	ND (0.057)	ND (1.3) ND (5.2)	ND (0.059) ND (0.24)	ND (0.0049) UJ	ND (0.0048) UJ	ND (0.57) ND (2.3)	ND (0.061) ND (0.25)	0.028 J ND (0.23)	ND (0.053)	ND (0.061) ND (0.25)	ND (0.15) ND (0.60)	ND (0.056) ND (0.23)	ND (0.0044) UJ	ND (0.12) ND (0.47)	0.032 J ND (0.25)	ND (0.056)	ND (0.0058) UJ ND (0.012)
Methylene chloride Naphthalene	1.8	0.023	ND (0.23) ND (0.23)	ND (5.2) ND (5.2) UJ	ND (0.24) ND (0.24) UJ	ND (0.0097) ND (0.02)	ND (0.0096) ND (0.02)	ND (2.3) ND (2.3) UJ	ND (0.25) ND (0.25) UJ	ND (0.23) ND (0.23) UJ	ND (0.21) ND (0.21) UJ	ND (0.25) ND (0.25) UJ	ND (0.60) ND (0.60) UJ	ND (0.23) ND (0.23) UJ	ND (0.0088) ND (0.018)	ND (0.47) ND (0.47) UJ	ND (0.25) ND (0.25) UJ	ND (0.23) ND (0.23) UJ	ND (0.012) ND (0.024)
n-Butylbenzene	*	*	ND (0.23)	ND (5.2) ND (5.2)	ND (0.24)	ND (0.02)	ND (0.02)	ND (2.3) ND (2.3)	ND (0.25)	ND (0.23)	ND (0.21)	ND (0.25)	ND (0.60)	ND (0.23)	ND (0.018)	ND (0.47)	ND (0.25)	ND (0.23)	ND (0.024)
n-Propylbenzene	*	*	ND (0.23)	ND (5.2)	ND (0.24)	ND (0.02)	ND (0.02)	ND (2.3)	ND (0.25)	ND (0.23)	ND (0.21)	ND (0.25)	ND (0.60)	ND (0.23)	ND (0.018)	ND (0.47)	ND (0.25)	ND (0.23)	ND (0.024)
o-Xylene	*	*	ND (0.057)	0.41 J	ND (0.059)	ND (0.0049) UJ	ND (0.0048) UJ	ND (0.57)	ND (0.061)	0.024 J	ND (0.053)	ND (0.061)	ND (0.15)	ND (0.056)	ND (0.0044) UJ	ND (0.12)	0.013 J	ND (0.056)	ND (0.0058) UJ
Styrene	550	3.5	ND (0.057)	ND (1.3) UJ	ND (0.059) UJ	ND (0.0049) UJ	ND (0.0048) UJ	ND (0.57) UJ	ND (0.061) UJ	ND (0.056) UJ	ND (0.053) UJ	ND (0.061) UJ	ND (0.15) UJ	ND (0.056) UJ	ND (0.0044) UJ	ND (0.12) UJ	ND (0.061) UJ	ND (0.056) UJ	ND (0.0058) UJ
tert-Butylbenzene	*	* 0.0E0	ND (0.23)	ND (5.2)	ND (0.24)	ND (0.02)	ND (0.02)	ND (2.3)	ND (0.25)	ND (0.23)	ND (0.21)	ND (0.25)	ND (0.60)	ND (0.23)	ND (0.018)	ND (0.47)	ND (0.25)	ND (0.23)	ND (0.024)
Tetrachloroethene Toluene	0.64 240	0.058 12	8.7 ^{ab} ND (0.057)	1000 J ^{ab} 1.7	20 J ^{ab} ND (0.059)	0.18 ^b ND (0.0049)	0.017 ND (0.0048)	290 ^{ab} ND (0.57)	4.2 ^{ab} ND (0.061)	53 ^{ab} 0.035 J	6.4 ^{ab} ND (0.053)	14 ^{ab} ND (0.061)	150 ^{ab} 0.036 J	8.5 ^{ab} ND (0.056)	0.026 ND (0.0044)	5.0 ^{ab} ND (0.12)	7.6 ^{ab} ND (0.061)	1.9 ^{ab} ND (0.056)	0.066 ^b ND (0.0058)
trans-1,2-Dichloroethene	14	0.68	ND (0.057) ND (0.057)	ND (1.3)	ND (0.059) ND (0.059)	ND (0.0049)	ND (0.0048)	ND (0.57) ND (0.57)	ND (0.061) ND (0.061)	ND (0.056)	ND (0.053)	ND (0.061) ND (0.061)	0.036)	ND (0.056)	ND (0.0044) ND (0.0044)	ND (0.12)	ND (0.061) ND (0.061)	ND (0.056)	ND (0.0058)
trans-1,3-Dichloropropene	*	*	ND (0.057)	ND (1.3)	ND (0.059)	ND (0.0049)	ND (0.0048)	ND (0.57)	ND (0.061)	ND (0.056)	ND (0.053)	ND (0.061)	ND (0.15)	ND (0.056)	ND (0.0044)	ND (0.12)	ND (0.061)	ND (0.056)	ND (0.0058)
Trichloroethene	0.082	0.057	0.56 ^{ab}	77 J ^{ab}	0.92 J ^{ab}	0.014	0.00036 J	23 ^{ab}	0.56 ^{ab}	13 ^{ab}	0.091 ab	0.17 ^{ab}	15 ^{ab}	4.7 ^{ab}	0.0023 J	ND (0.12)	0.039 J	ND (0.056)	ND (0.0058)
Trichlorofluoromethane (CFC-11)	*	*	ND (0.057)	ND (1.3)	ND (0.059)	ND (0.0049)	ND (0.0048)	ND (0.57)	ND (0.061)	ND (0.056)	ND (0.053)	ND (0.061)	ND (0.15)	ND (0.056)	ND (0.0044) UJ	ND (0.12)	ND (0.061)	ND (0.056)	ND (0.0058) UJ
Vinyl chloride	0.013	0.013	ND (0.057)	ND (1.3)	ND (0.059)	ND (0.0049)	ND (0.0048)	ND (0.57)	ND (0.061)	ND (0.056)	ND (0.053)	ND (0.061)	ND (0.15)	ND (0.056)	ND (0.0044)	ND (0.12)	ND (0.061)	ND (0.056)	ND (0.0058)

Notes:

IDEM - Indiana Department of Environmental Management
RISC - Risk Integrated System of Closure
IDCL - Industrial Default Closure Level

RDCL - Residential Default Closure Level

* - Criteria not established for this analyte.
-- - Not Analyzed

BGS - below ground surface mg/kg - milligrams per kilogram ND(1.1) - Analyte not detected at quantitation limit in parenthesis.

The associated value is an estimated quantity.

UJ - The material was analyzed for, but was not detected. The associated value is an estimate and may be inaccurate or imprecise.

SUMMARY OF SOIL METALS ANALYTICAL DATA - SWMUs 1 AND 2 TEST PITS RADIO MATERIALS CORPORATION ATTICA, INDIANA

Sample Location: Sample ID: Sample Date: Sample Depth:	IDEM RISC IDCL a	IDEM RISC RDCL b	Background Subsurface c	TP-A S-092503-JM-029 9/25/2003 3 ft BGS	TP-C-1 S-092503-JM-030 9/25/2003 2 ft BGS	TP-C-1 S-092503-JM-031 9/25/2003 2 ft BGS Duplicate	TP-C-2 S-092503-JM-032 9/25/2003 4 ft BGS	TP-C-3 S-092503-JM-033 9/25/2003 3 ft BGS	TP-D-1 S-092503-JM-034 9/25/2003 3 ft BGS	TP-D-2 S-092503-JM-035 9/25/2003 1 ft BGS	TP-D-3 S-092503-JM-036 9/25/2003 2 ft BGS	TP-E-2 S-092303-JM-021 9/23/2003 3 ft BGS	TP-E-2 S-092303-JM-022 9/23/2003 6 ft BGS	TP-E-3 S-092303-JM-023 9/23/2003 3 ft BGS	TP-E-4 S-092303-JM-025 9/23/2003 2 ft BGS	TP-E-4 S-092303-JM-024 9/23/2003 5 ft BGS	TP-F S-092303-JM-020 9/23/2003 3 ft BGS	TP-H-1 S-092303-JM-026 9/23/2003 3 ft BGS	TP-H-2 S-092303-JM-027 9/23/2003 3 ft BGS	TP-H-3 S-092303-JM-028 9/23/2003 3 ft BGS
Metals (mg/kg)																				
Aluminum	*	*	27562	10600	7990	10200	17300	18700	10600	12400	11400	17700	6970	737	13800	24400	24300	13200	12100	20000
Antimony	37	5.4	0.252	0.17 J	0.05 J	ND (0.04) UJ	0.07 J	0.09 J	0.06 J	0.14 J	0.17 J	0.32 J ^c	0.08 J	54.9 J ^{abc}	0.33 J ^c	0.23 J	0.31 J ^c	0.81 J ^c	1.88 J ^c	0.22 J
Arsenic	20	3.9	10.6	9 ^b	4.5 ^b	5.2 ^b	7.9 ^b	9^{b}	3.8	7 ^b	4.2 ^b	23.8 ^{abc}	4.6 ^b	0.8	5.3 ^b	11.3 ^{bc}	9.8 ^b	7.2 ^b	7.7 ^b	10.6 ^b
Barium	5900	1600	181	2700 ^{bc}	89	113	227°	112	503°	211°	584°	77.6	26.4	1000°	754°	165	86.1	6290 ^{abc}	271°	114
Beryllium	2300	63	0.86	0.39	0.37	0.43	0.52	0.58	0.5	0.49	0.57	0.64	0.22	0.12	0.54	0.93°	0.73	0.53	0.43	0.61
Cadmium	77	7.5	0.341	0.33	0.26	0.23	0.21	0.14	0.63°	0.29	0.39 ^c	0.17	0.12	2.46°	0.33	0.18	0.27	1.55°	0.64 ^c	0.14
Calcium	*	*	147894	2600	1530	2030	2330	2730	1800	3660	1820	2470	50100	18900	2450	3560	3420	12800	11000	3400
Chromium Total	120	38	34.6	13.5	12.3	14.1	19.7	20.8	12.6	16.7	13.2	22.4	9.4	2.7	18.6	27.9	27.3	19.4	19.5	25.5
Cobalt	*	*	16.6	17.7°	8.3	10.2	11.7	10.6	9.7	9.4	11.4	9.7	3.9	ND (2.3)	11	10.8	10.1	20.8°	9.9	12.3
Copper	2700	920	24.0	1790 ^{bc}	20.2 J	51.5 J ^c	17.8	15.3	693°	19.8	15.6	21.3	10.5	439°	28.1°	22.1	24	924 ^{bc}	81.3°	18.7
Iron	*	*	40017	17700	14100	16800	23400	28500	15700	20300	15400	31200	12300	884	18100	34100	42500°	22900	22600	29400
Lead	230	81	40.8	15.4	17	15.7	20.8	17.7	18.5	22.2	17.9	18.3	9.62	162 ^{bc}	19.8	25.1	23.7	145 ^{bc}	61.9 ^c	23.3
Magnesium	*	*	48865	2240	1830	2080	3170	3470	2190	3510	2100	3530	18300	875	2640	3860	4230	4490	6570	3640
Manganese	*	*	1360	519	753	857	968	796	1110	803	1100	811	390	8.7	1010	993	907	801	769	721
Mercury	32	2.1	0.101	ND (0.02)	0.02	0.02	0.03	0.04	0.03	0.03	0.03	0.03	ND (0.02)	ND (0.02)	0.03	0.05	0.02	0.03	0.03	0.04
Nickel	2700	950	44.4	15.9	11.5	13.5	16.2	19.2	11.7	17.3	13.6	20	14.4	6.48	14.1	25.1	25.4	25.5	19.4	22.1
Potassium	*	*	2479	1100	981	1240	1420	1270	856	1310	957	1600	700	ND (453)	1410	1400	2100	1190	1270	1740
Selenium	53	5.2	-	ND (1)	ND (0.9)	ND (0.9)	ND (1)	ND (1)	ND (0.7)	ND (0.8)	ND (1)	ND (1.2)	ND (1.1)	1.6	ND (1.2)	ND (1.1)	ND (1.1)	ND (1.2)	ND (1.2)	ND (1.2)
Silver	87	31	0.132	129 ^{abc}	0.87°	1.19 ^c	0.62°	0.06	4.98°	2.34°	15.4°	0.04	ND (0.02)	16 ^c	4.31°	0.07	0.05	119 ^{abc}	4.36°	0.25°
Sodium	*	*	177	123	135	92.6	71.4	39.5	221°	47.7	266°	52.4	84.8	29.6	56.9	50.9	73.5	1020°	53.3	40.8
Thallium	10	2.8	0.41	0.18	0.16	0.19	0.22	0.25	0.22	0.26	0.23	0.3	0.15	ND (0.02)	0.2	0.33	0.38	0.24	0.21	0.31
Vanadium	*	*	36.3	20.4	13.7	19.7	23.4	25.4	21.5	22.5	26.4	26.3	12.8	1.5	24.2	31.8	31.3	24.2	18.5	29.2
Zinc	10000	10000	120	90.7	44.9	51.1	65.5	72.7	47.4	61	56.4	107	48	80.8	56.3	90.6	131°	94.5	81.5	77.2

Notes:

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 $\ensuremath{\mathsf{RISC}}$ - Risk Integrated System of Closure

IDCL - Industrial Default Closure Level

RDCL - Residential Default Closure Level

* - Criteria not established for this analyte.

-- - Not Analyzed

BGS - below ground surface

mg/kg - milligrams per kilogram

ND(1.1) - Analyte not detected at quantitation limit in parenthesis.

J - The associated value is an estimated quantity.

UJ - The material was analyzed for, but was not detected. The associated value is an estimate and may be inaccurate or imprecise.

SUMMARY OF SURFACE SOIL VOC ANALYTICAL DATA - SWMUs 1 AND 2 RADIO MATERIALS CORPORATION ATTICA, INDIANA

Sample Location: Sample ID:	IDEM	IDEM	B-126 SS-090204-MG-022	B-138 SS-090204-MG-021	B-145 SS-090204-MG-017	B-146 SS-090204-MG-018	B-148 SS-090204-MG-020	B-153 SS-090204-MG-012	B-154 SS-090204-MG-013	B-160 SS-090204-MG-016	B-166 S-100703-MG-373	B-169 SS-090204-MG-014	B-169 SS-090204-MG-015	B-180 SS-090204-MG-019
Sample Date: Sample Depth:	RISC IDCL	RISC RDCL	9/2/2004 0-0.5 ft BGS	10/7/2003 0-0.5 ft BGS	9/2/2004 0-0.5 ft BGS	9/2/2004 0-0.5 ft BGS	9/2/2004 0-0.5 ft BGS							
	а	ь											Duplicate	
Volatile Organic Compounds (mg/kg) 1,1,1,2-Tetrachloroethane	0.85	0.053	ND (0.0081)	ND (0.0071)	0.0016 I	ND (0.0072)	ND (0.0078)	ND (0.0079)	ND (0.0063)	ND (0.0062)	ND (0.0056)	ND (0.0065)	ND (0.0075)	ND (0.0063)
1,1,1-Trichloroethane	280	1.9	ND (0.0081)	ND (0.0071)	ND (0.0061)	ND (0.0072)	ND (0.0078)	ND (0.0079)	ND (0.0063)	ND (0.0062)	ND (0.0056)	ND (0.0065)	ND (0.0075)	ND (0.0063)
1,1,2,2-Tetrachloroethane	0.11	0.007	ND (0.0081)	ND (0.0071)	ND (0.0061)	ND (0.0072)	ND (0.0078)	ND (0.0079)	ND (0.0063)	ND (0.0062)	ND (0.0056)	ND (0.0065)	ND (0.0075)	ND (0.0063)
1,1,2-Trichloroethane	0.3	0.03	ND (0.0081)	ND (0.0071)	ND (0.0061)	ND (0.0072)	ND (0.0078)	ND (0.0079)	ND (0.0063)	ND (0.0062)	ND (0.0056)	ND (0.0065)	ND (0.0075)	ND (0.0063)
1,1-Dichloroethane 1,1-Dichloroethene	58 42	5.6 0.058	ND (0.0081) ND (0.0081)	ND (0.0071) ND (0.0071)	ND (0.0061) ND (0.0061)	ND (0.0072) ND (0.0072)	ND (0.0078) ND (0.0078)	ND (0.0079) ND (0.0079)	ND (0.0063) ND (0.0063)	ND (0.0062) ND (0.0062)	ND (0.0056) ND (0.0056)	ND (0.0065) ND (0.0065)	ND (0.0075) ND (0.0075)	ND (0.0063) ND (0.0063)
1,1-Dichloropropene	*	0.056	ND (0.0081)	ND (0.0071) ND (0.0071)	ND (0.0061)	ND (0.0072)	ND (0.0078)	ND (0.0079)	ND (0.0063)	ND (0.0062)	ND (0.0056)	ND (0.0065)	ND (0.0075)	ND (0.0063)
1,2,3-Trichlorobenzene	*	*	ND (0.0081)	ND (0.0071)	ND (0.0061)	ND (0.0072)	ND (0.0078)	ND (0.0079)	ND (0.0063)	ND (0.0062)	ND (0.023)	ND (0.0065)	ND (0.0075)	ND (0.0063)
1,2,3-Trichloropropane	*	*	ND (0.0081)	ND (0.0071)	ND (0.0061)	ND (0.0072)	ND (0.0078)	ND (0.0079)	ND (0.0063)	ND (0.0062)	ND (0.0056)	ND (0.0065)	ND (0.0075)	ND (0.0063)
1,2,4-Trichlorobenzene 1,2,4-Trimethylbenzene	77 170	5.3 2.5	ND (0.033) ND (0.033)	ND (0.029) ND (0.029)	ND (0.025) ND (0.025)	ND (0.029) ND (0.029)	ND (0.031) ND (0.031)	ND (0.032) ND (0.032)	ND (0.025) ND (0.025)	ND (0.025) ND (0.025)	ND (0.023) ND (0.023)	ND (0.026) ND (0.026)	ND (0.03) ND (0.03)	ND (0.026) ND (0.026)
1,2-Dibromo-3-chloropropane (DBCP)	*	2.5	ND (0.033)	ND (0.029)	ND (0.025)	ND (0.029)	ND (0.031) ND (0.031)	ND (0.032) ND (0.032)	ND (0.025) ND (0.025)	ND (0.025) ND (0.025)	ND (0.023) ND (0.023)	ND (0.026) ND (0.026)	ND (0.03)	ND (0.026)
1,2-Dibromoethane (Ethylene Dibromide)	*	*	ND (0.0081)	ND (0.0071)	ND (0.0061)	ND (0.0072)	ND (0.0078)	ND (0.0079)	ND (0.0063)	ND (0.0062)	ND (0.023)	ND (0.0065)	ND (0.0075)	ND (0.0063)
1,2-Dichlorobenzene	220	17	ND (0.0081)	ND (0.0071)	ND (0.0061)	ND (0.0072)	ND (0.0078)	ND (0.0079)	ND (0.0063)	ND (0.0062)	ND (0.0056)	ND (0.0065)	ND (0.0075)	ND (0.0063)
1,2-Dichloroethane	0.15	0.024	ND (0.0081)	ND (0.0071)	ND (0.0061)	ND (0.0072)	ND (0.0078)	ND (0.0079)	ND (0.0063)	ND (0.0062)	ND (0.0056)	ND (0.0065)	ND (0.0075)	ND (0.0063)
1,2-Dichloropropane 1,3,5-Trimethylbenzene	0.25 68	0.03	ND (0.0081) ND (0.0081)	ND (0.0071) ND (0.0071)	ND (0.0061) ND (0.0061)	ND (0.0072) ND (0.0072)	ND (0.0078) ND (0.0078)	ND (0.0079) ND (0.0079)	ND (0.0063) ND (0.0063)	ND (0.0062) ND (0.0062)	ND (0.0056) ND (0.023)	ND (0.0065) ND (0.0065)	ND (0.0075) ND (0.0075)	ND (0.0063) ND (0.0063)
1,3-Dichlorobenzene	2.7	0.2	ND (0.0081)	ND (0.0071)	ND (0.0061)	ND (0.0072)	ND (0.0078)	ND (0.0079)	ND (0.0063)	ND (0.0062)	ND (0.025)	ND (0.0065)	ND (0.0075)	ND (0.0063)
1,3-Dichloropropane	*	*	ND (0.0081)	ND (0.0071)	ND (0.0061)	ND (0.0072)	ND (0.0078)	ND (0.0079)	ND (0.0063)	ND (0.0062)	ND (0.0056)	ND (0.0065)	ND (0.0075)	ND (0.0063)
1,4-Dichlorobenzene	3.4	2.2	ND (0.0081)	ND (0.0071)	ND (0.0061)	ND (0.0072)	ND (0.0078)	ND (0.0079)	ND (0.0063)	ND (0.0062)	ND (0.0056)	ND (0.0065)	ND (0.0075)	ND (0.0063)
2,2-Dichloropropane 2-Butanone (Methyl Ethyl Ketone)	250	35	ND (0.0081) ND (0.033) UI	ND (0.0071) ND (0.029) UI	ND (0.0061) ND (0.025) UI	ND (0.0072) ND (0.029) UI	ND (0.0078) ND (0.031) UI	ND (0.0079) ND (0.032) UJ	ND (0.0063) ND (0.025) UJ	ND (0.0062) ND (0.025) UI	ND (0.0056) UJ ND (0.023)	ND (0.0065) ND (0.026) UI	ND (0.0075) ND (0.03) UI	ND (0.0063) ND (0.026) UJ
2-Chlorotoluene	250	33	ND (0.033) U) ND (0.033)	ND (0.029) ND (0.029)	ND (0.025) ND (0.025)	ND (0.029) ND (0.029)	ND (0.031) U) ND (0.031)	ND (0.032) ND (0.032)	ND (0.025) ND (0.025)	ND (0.025) ND (0.025)	ND (0.023) ND (0.023)	ND (0.026)	ND (0.03)	ND (0.026) ND (0.026)
2-Hexanone	*	*	ND (0.033)	ND (0.029)	ND (0.025)	ND (0.029)	ND (0.031)	ND (0.032)	ND (0.025)	ND (0.025)	ND (0.023) UJ	ND (0.026)	ND (0.03)	ND (0.026)
2-Phenylbutane (sec-Butylbenzene)	*	*	ND (0.033)	ND (0.029)	ND (0.025)	ND (0.029)	ND (0.031)	ND (0.032)	ND (0.025)	ND (0.025)	ND (0.023)	ND (0.026)	ND (0.03)	ND (0.026)
4-Chlorotoluene	*	*	ND (0.033)	ND (0.029)	ND (0.025)	ND (0.029)	ND (0.031)	ND (0.032)	ND (0.025)	ND (0.025)	ND (0.023)	ND (0.026)	ND (0.03)	ND (0.026)
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	75	20	ND (0.033)	ND (0.029)	ND (0.025)	ND (0.029)	ND (0.031)	ND (0.032)	ND (0.025)	ND (0.025)	ND (0.023)	ND (0.026)	ND (0.03)	ND (0.026)
Acetone	370	3.8	ND (0.033)	ND (0.029)	ND (0.025)	ND (0.029)	ND (0.031)	ND (0.032)	ND (0.025)	ND (0.025)	ND (0.056)	ND (0.026)	ND (0.03)	ND (0.026)
Benzene	0.35	0.034	ND (0.0081)	ND (0.0071)	ND (0.0061)	ND (0.0072)	ND (0.0078)	ND (0.0079)	ND (0.0063)	ND (0.0062)	ND (0.0056) UJ	ND (0.0065)	ND (0.0075)	ND (0.0063)
Bromobenzene	* 0.51	*	ND (0.0081)	ND (0.0071)	ND (0.0061)	ND (0.0072)	ND (0.0078)	ND (0.0079)	ND (0.0063)	ND (0.0062)	ND (0.0056) UJ	ND (0.0065)	ND (0.0075)	ND (0.0063)
Bromodichloromethane Bromoform	2.7	0.51	ND (0.0081) ND (0.0081)	ND (0.0071) ND (0.0071)	ND (0.0061) ND (0.0061)	ND (0.0072) ND (0.0072)	ND (0.0078) ND (0.0078)	ND (0.0079) ND (0.0079)	ND (0.0063) ND (0.0063)	ND (0.0062) ND (0.0062)	ND (0.0056) ND (0.0056)	ND (0.0065) ND (0.0065)	ND (0.0075) ND (0.0075)	ND (0.0063) ND (0.0063)
Bromomethane (Methyl Bromide)	0.7	0.052	ND (0.0081)	ND (0.0071)	ND (0.0061)	ND (0.0072)	ND (0.0078)	ND (0.0079)	ND (0.0063)	ND (0.0062)	ND (0.0056) UI	ND (0.0065)	ND (0.0075)	ND (0.0063)
Carbon disulfide	82	10	ND (0.0081)	ND (0.0071)	ND (0.0061)	ND (0.0072)	ND (0.0078)	ND (0.0079)	ND (0.0063)	ND (0.0062)	ND (0.0056)	ND (0.0065)	ND (0.0075)	ND (0.0063)
Carbon tetrachloride	0.29	0.066	ND (0.0081)	ND (0.0071)	ND (0.0061)	ND (0.0072)	ND (0.0078)	ND (0.0079)	ND (0.0063)	ND (0.0062)	ND (0.0056) UJ	ND (0.0065)	ND (0.0075)	ND (0.0063)
Chlorobenzene Chlorobromomethane	27	1.3	ND (0.0081) ND (0.0081)	ND (0.0071) ND (0.0071)	ND (0.0061) ND (0.0061)	ND (0.0072) ND (0.0072)	ND (0.0078) ND (0.0078)	ND (0.0079) ND (0.0079)	ND (0.0063) ND (0.0063)	ND (0.0062) ND (0.0062)	ND (0.0056) ND (0.0056) UJ	ND (0.0065) ND (0.0065)	ND (0.0075) ND (0.0075)	ND (0.0063) ND (0.0063)
Chloroethane	10	0.65	ND (0.0081)	ND (0.0071)	ND (0.0061)	ND (0.0072)	ND (0.0078)	ND (0.0079)	ND (0.0063)	ND (0.0062)	ND (0.0056) UI	ND (0.0065)	ND (0.0075)	ND (0.0063)
Chloroform (Trichloromethane)	1.2	0.47	ND (0.0081)	ND (0.0071)	ND (0.0061)	ND (0.0072)	ND (0.0078)	ND (0.0079)	ND (0.0063)	ND (0.0062)	ND (0.0056)	ND (0.0065)	ND (0.0075)	ND (0.0063)
Chloromethane (Methyl Chloride)	*	*	ND (0.0081)	ND (0.0071)	ND (0.0061)	ND (0.0072)	ND (0.0078)	ND (0.0079)	ND (0.0063)	ND (0.0062)	ND (0.0056)	ND (0.0065)	ND (0.0075)	ND (0.0063)
cis-1,2-Dichloroethene cis-1,3-Dichloropropene	5.8	0.4	ND (0.0081) ND (0.0081)	ND (0.0071) ND (0.0071)	ND (0.0061) ND (0.0061)	ND (0.0072) ND (0.0072)	ND (0.0078) ND (0.0078)	ND (0.0079) ND (0.0079)	ND (0.0063) ND (0.0063)	ND (0.0062) ND (0.0062)	ND (0.0056) ND (0.0056)	ND (0.0065) ND (0.0065)	ND (0.0075) ND (0.0075)	ND (0.0063) ND (0.0063)
Cymene (p-Isopropyltoluene)	*	*	ND (0.0081) ND (0.033)	ND (0.0071) ND (0.029)	ND (0.0061) ND (0.025)	0.0032 J	ND (0.0078) ND (0.031)	ND (0.032)	ND (0.0063) ND (0.025)	ND (0.0062) ND (0.025)	ND (0.0036)	ND (0.0065)	ND (0.0075) ND (0.03)	ND (0.0063) ND (0.026)
Dibromochloromethane	*	*	ND (0.0081)	ND (0.0071)	ND (0.0061)	ND (0.0072)	ND (0.0078)	ND (0.0079)	ND (0.0063)	ND (0.0062)	ND (0.0056)	ND (0.0065)	ND (0.0075)	ND (0.0063)
Dibromomethane	*	*	ND (0.0081)	ND (0.0071)	ND (0.0061)	ND (0.0072)	ND (0.0078)	ND (0.0079)	ND (0.0063)	ND (0.0062)	ND (0.0056)	ND (0.0065)	ND (0.0075)	ND (0.0063)
Dichlorodifluoromethane (CFC-12)	* 160	* 13	ND (0.0081)	ND (0.0071)	ND (0.0061) ND (0.0061)	ND (0.0072)	ND (0.0078)	ND (0.0079) ND (0.0079)	ND (0.0063)	ND (0.0062) ND (0.0062)	ND (0.0056) ND (0.0056)	ND (0.0065)	ND (0.0075)	ND (0.0063) ND (0.0063)
Ethylbenzene Hexachlorobutadiene	160 44	13	ND (0.0081) ND (0.033)	ND (0.0071) ND (0.029)	ND (0.0061) ND (0.025)	ND (0.0072) ND (0.029)	ND (0.0078) ND (0.031)	ND (0.0079) ND (0.032)	ND (0.0063) ND (0.025)	ND (0.0062) ND (0.025)	ND (0.0056) ND (0.023)	ND (0.0065) ND (0.026)	ND (0.0075) ND (0.03)	ND (0.0063) ND (0.026)
Isopropylbenzene	*	*	ND (0.0081)	ND (0.0071)	ND (0.0061)	ND (0.0072)	ND (0.0078)	ND (0.0079)	ND (0.0063)	ND (0.0062)	ND (0.023)	ND (0.0065)	ND (0.0075)	ND (0.0063)
m&p-Xylene	*	*	ND (0.0081)	ND (0.0071)	ND (0.0061)	ND (0.0072)	ND (0.0078)	ND (0.0079)	ND (0.0063)	ND (0.0062)	ND (0.0056) UJ	ND (0.0065)	ND (0.0075)	ND (0.0063)
Methylene chloride	1.8	0.023	ND (0.017)	ND (0.015)	ND (0.013)	ND (0.015)	ND (0.016)	ND (0.016)	ND (0.013)	ND (0.013)	ND (0.012)	ND (0.013)	ND (0.015)	ND (0.013)
Naphthalene n-Butylbenzene	170	0.7	ND (0.0081) ND (0.033)	ND (0.0071) ND (0.029)	ND (0.0061) ND (0.025)	ND (0.0072) ND (0.029)	ND (0.0078) ND (0.031)	0.0022 J ND (0.032)	0.0013 J ND (0.025)	ND (0.0062) ND (0.025)	ND (0.023) ND (0.023)	ND (0.0065) ND (0.026)	ND (0.0075) ND (0.03)	ND (0.0063) ND (0.026)
n-Propylbenzene	*	*	ND (0.033)	ND (0.029)	ND (0.025)	ND (0.029)	ND (0.031)	ND (0.032)	ND (0.025)	ND (0.025)	ND (0.023) UJ	ND (0.026)	ND (0.03)	ND (0.026)
o-Xylene	*	*	ND (0.0081)	ND (0.0071)	ND (0.0061)	ND (0.0072)	ND (0.0078)	ND (0.0079)	ND (0.0063)	ND (0.0062)	ND (0.0056)	ND (0.0065)	ND (0.0075)	ND (0.0063)
Styrene	550	3.5	ND (0.0081)	ND (0.0071)	ND (0.0061)	ND (0.0072)	ND (0.0078)	ND (0.0079)	ND (0.0063)	ND (0.0062)	ND (0.0056)	ND (0.0065)	ND (0.0075)	ND (0.0063)
tert-Butylbenzene	*	*	ND (0.033)	ND (0.029)	ND (0.025)	ND (0.029)	ND (0.031)	ND (0.032)	ND (0.025)	ND (0.025)	ND (0.023)	ND (0.026)	ND (0.03)	ND (0.026)
Tetrachloroethene	0.64	0.058	0.00068 J	ND (0.0071)	1.6 ^{ab}	0.068 ^b	0.0052 J	0.15 ^b	0.13 ^b	0.012	ND (0.0056)	0.007 NID (0.0065)	0.0093 NID (0.0075)	0.0055 J
Toluene trans-1,2-Dichloroethene	240 14	12 0.68	ND (0.0081) ND (0.0081)	ND (0.0071) ND (0.0071)	ND (0.0061) ND (0.0061)	ND (0.0072) ND (0.0072)	ND (0.0078) ND (0.0078)	ND (0.0079) ND (0.0079)	ND (0.0063) ND (0.0063)	ND (0.0062) ND (0.0062)	ND (0.0056) ND (0.0056)	ND (0.0065) ND (0.0065)	ND (0.0075) ND (0.0075)	ND (0.0063) ND (0.0063)
trans-1,3-Dichloropropene	*	*	ND (0.0081)	ND (0.0071)	ND (0.0061)	ND (0.0072)	ND (0.0078)	ND (0.0079)	ND (0.0063)	ND (0.0062)	ND (0.0056)	ND (0.0065)	ND (0.0075)	ND (0.0063)
Trichloroethene	0.082	0.057	ND (0.0081)	ND (0.0071)	0.0005 J	0.0018 J	ND (0.0078)	0.0021 J	ND (0.0063)	ND (0.0062)	ND (0.0056)	ND (0.0065)	ND (0.0075)	ND (0.0063)
Trichlorofluoromethane (CFC-11)	*	*	ND (0.0081)	ND (0.0071)	ND (0.0061)	ND (0.0072)	ND (0.0078)	ND (0.0079)	ND (0.0063)	ND (0.0062)	ND (0.0056) UJ	ND (0.0065)	ND (0.0075)	ND (0.0063)
Vinyl chloride	0.013	0.013	ND (0.0081)	ND (0.0071)	ND (0.0061)	ND (0.0072)	ND (0.0078)	ND (0.0079)	ND (0.0063)	ND (0.0062)	ND (0.0056) UJ	ND (0.0065)	ND (0.0075)	ND (0.0063)

Notes:
IDEM - Indiana Department of Environmental Management
RISC - Risk Integrated System of Closure
IDCL - Industrial Default Closure Level
RDCL - Residential Default Closure Level
* - Criteria not established for this analyte.
- - Not Analyzed
BGS - below ground surface
mg/kg - milligrams per kilogram
ND(1.1) - Analyte not detected at quantitation limit in parenthesis.
J - The associated value is an estimated quantity.
UJ - The material was analyzed for, but was not detected. The associated value is an estimate and may be inaccurate or imprecise.

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Sample Location: Sample ID: Sample Date: Sample Depth:	IDEM RISC IDCL	IDEM RISC RDCL	Background Surface	SS-01 S-091903-MG-317 9/19/2003 0-0.5 ft BGS	SS-02 S-091903-MG-316 9/19/2003 0-0.5 ft BGS	SS-03 S-091903-MG-322 9/19/2003 0-0.5 ft BGS	SS-04 S-091903-MG-321 9/19/2003 0-0.5 ft BGS	SS-05 S-091903-MG-320 9/19/2003 0-0.5 ft BGS	SS-06 S-091903-MG-318 9/19/2003 0-0.5 ft BGS	SS-07 S-091903-MG-319 9/19/2003 0-0.5 ft BGS	SS-08 S-091903-MG-315 9/19/2003 0-0.5 ft BGS	SS-09 S-091903-MG-323 9/19/2003 0-0.5 ft BGS	B-126 SS-090204-MG-022 9/2/2004 0-0.5 ft BGS	B-138 SS-090204-MG-021 9/2/2004 0-0.5 ft BGS
	a	\boldsymbol{b}	c											
Motals (ma/lsa)														
Metals (mg/kg) Aluminum	*	*	17777	8610	10200 J	8920	15700	10700	10600	5510	9460	9850	8600	6590
Antimony	37	5.4	0.606	0.16 J	0.46 J	0.49 J	0.19 J	0.22 J	0.18 J	0.11 J	0.18 J	0.19 J	0.24 J	0.34 J
Arsenic	20	3.9	17.9	4.9 ^b	7.9 ^b	4.4 ^b	8.6 ^b	6.1 ^b	8.1 ^b	4.9 ^b	7.3 ^b	5.6 ^b	5.09 J ^b	6.01 J ^b
Barium	5900	1600	897	141	318	137	129	126	866	65.8	118	124	97.7	2260 ^{bc}
Beryllium	2300	63	0.700	0.498	0.46	0.437	0.644	0.429	0.527	0.295	0.426	0.456	0.49	0.393
3														
Cadmium	77 *	7.5 *	0.513	0.3	1.99 J ^c	0.32	0.22	0.41	0.25	0.47	0.43	0.4	0.234	0.442
Calcium			361389	1620	2240	3480	6090 20.4	5650	2270	1300	4010	1440	767	5690
Chromium Total	120	38	25.0	12.2	20.1	22.1		14.9	16.3	11.1	15.8	13.8	12.3	10.9
Cobalt	*	*	14.7	11.3	13.3	12.5	9.2	10.1	10.5	8.2	10.5	11.1	11.5	11.7
Copper	2700	920	25.1	11.1	24.2 J	16.7	23.2	12.8	16.8	8.61	17.8	10.2	11.8 J	18 J
Iron	*	*	22420	17000	45100°	18900	27500°	19600	22600°	13000	20700	20300	16900	15100
Lead	230	81	48.2	22.4	42.7	25.4	19.6	26.5	27.1	14.2	26.9	15.6	22.2	44.2
Magnesium	*	*	39600	1710	2040	2330	3950	2730	2520	1820	3660	1950	1450	3720
Manganese	*	*	2276	1430	1370	1460	741	1320	995	789	1150	1540	1260	871
Mercury	32	2.1	0.07	0.05	0.05	0.04	0.06	0.04	0.05	0.02 J	0.04	0.03	0.038	0.028
Nickel	2700	950	36.07	11.3	19.1	11.6	19.4	20.7	16.1	10.9	19.1	13.9	11.2 J	13.9 J
Potassium	*	*	2338	842	1370	836	882	1270	968	630	1300	1000	1080	1040
Selenium	53	5.2	-	0.5 J	0.6 J	0.4 J	0.4 J	0.4 J	0.5 J	ND (1.1)	0.4 J	0.4 J	0.3 J	0.4 J
Silver	87	31	1.07	0.25	71.8 J ^{bc}	0.41	0.14	0.33	0.12	0.48	1.59°	0.07	0.179	4.45°
Sodium	*	*	153.1	ND (23)	24.3	25.8	32.9	26.1	ND (22)	28	58.4	25.1	21.6 J	26.4
Thallium	10	2.8	0.38	0.165	0.22	0.163	0.204	0.196	0.241	0.138	0.216	0.199	0.173	0.172
Vanadium	*	*	33.7	20.5	21.3	18.3	28.1	24.9	25.9	17.3	20.3	21.5	21	15.5
Zinc	10000	10000	151	58.8	94.6	109	65.9	65.3	54.5	36.9	71.3	54.1	55.3	57.1

TABLE 4.6 Page 2 of 2

SUMMARY OF SURFACE SOIL METALS ANALYTICAL DATA - SWMUs 1 AND 2 RADIO MATERIALS CORPORATION ATTICA, INDIANA

Sample Location: Sample ID: Sample Date: Sample Depth:	IDEM RISC IDCL a	IDEM RISC RDCL b	Background Surface c	B-145 SS-090204-MG-017 9/2/2004 0-0.5 ft BGS	B-146 SS-090204-MG-018 9/2/2004 0-0.5 ft BGS	B-148 SS-090204-MG-020 9/2/2004 0-0.5 ft BGS	B-153 SS-090204-MG-012 9/2/2004 0-0.5 ft BGS	B-154 SS-090204-MG-013 9/2/2004 0-0.5 ft BGS	B-160 SS-090204-MG-016 9/2/2004 0-0.5 ft BGS	B-166 S-100703-MG-373 10/7/2003 0-0.5 ft BGS	B-169 SS-090204-MG-014 9/2/2004 0-0.5 ft BGS	B-169 SS-090204-MG-015 9/2/2004 0-0.5 ft BGS Duplicate	B-180 SS-090204-MG-019 9/2/2004 0-0.5 ft BGS
Metals (mg/kg)													
Aluminum	*	*	17777	4520	9620	6400	11300	16900	2380	13100	3920	6830	4460
Antimony	37	5.4	0.606	0.36 J	0.24 J	9.04 J ^{bc}	0.32 J	0.67 J ^c	0.15 J	0.16 J	0.06 J	0.13 J	0.23 J
Arsenic	20	3.9	17.9	7.65 J ^b	8.34 J ^b	7.2 J ^b	8.09 J ^b	11.5 J ^b	7.64 J ^b	8.6 ^b	1.76 J	5.64 J ^b	4.09 J ^b
Barium	5900	1600	897	200	314	5540 ^{bc}	164	124	9.6	96.7	30.3	50.5	198
Beryllium	2300	63	0.700	0.256	0.508	0.333	0.435 J	0.718 J ^c	0.093 J	0.46	0.164 J	0.27 J	0.276
Cadmium	77	7.5	0.513	2.02°	0.272	1.87 ^c	0.439	0.155	0.101	0.32	0.108	0.191	0.301
Calcium	*	*	361389	44800	4920	9450	10100	3260	121000	23300	5470	8690	1300
Chromium Total	120	38	25.0	8.6	12	17	17.3	23.6	5	17.6	5.6	9.8	8.7
Cobalt	*	*	14.7	6.5	9.6	18.1°	9.4	10.1	3.7	8.4	3.8	4.8	7.6
Copper	2700	920	25.1	19.9 J	35.6 J ^c	34.4 J ^c	17.1 J	18.3 J	12.9 J	15.8	6.21 J	12.3 J	14.2 J
Iron	*	*	22420	16100	19400	39300°	26300°	33400°	11100	20500	4370	10600	11200
Lead	230	81	48.2	22.3	20.2	75.9°	23.5	23.7	7.64	39.5	9.46	17.1	22.7
Magnesium	*	*	39600	15900	3570	4470	3850	3620	26000	11600	6710	7720	1260
Manganese	*	*	2276	567	847	813	772	626	279	1330	162	308	649
Mercury	32	2.1	0.07	0.016 J	0.047	0.035	0.033	0.047	ND (0.018)	0.08^{c}	0.012 J	0.017 J	0.027
Nickel	2700	950	36.07	16.2 J	16.9 J	14.9 J	16.1 J	21.4 J	15 J	15.3	7.99 J	11.7 J	9.29 J
Potassium	*	*	2338	758	823	1080	1230	1740	508	2030	563	1030	870
Selenium	53	5.2	-	0.3 J	0.5 J	0.4 J	0.3 J	0.5 J	0.2 J	ND (1)	ND (1.2)	0.2 J	0.3 J
Silver	87	31	1.07	9.25°	24.7°	51.6 ^{bc}	16.1 J ^c	1.01 J	0.024 J	0.79	0.971 J	2.28 J ^c	4.14 ^c
Sodium	*	*	153.1	56.6	43.5	33.7	37.8	39.8	125	102	31.6	45.4	70.1
Thallium	10	2.8	0.38	0.176	0.209	0.166	0.197	0.212	0.136	0.23	0.079	0.153	0.117
Vanadium		10000	33.7	12.5	21.7	14.7	19.5 J	25.1 J	7.02 J	17.4	5.71 J	11.3 J	11.2
Zinc	10000	10000	151	64.8	69.6	146	77.8	76.7	46.7	86.9	18.5	41.1	42

Notes:
IDEM - Indiana Department of Environmental Management
RISC - Risk Integrated System of Closure

IDCL - Industrial Default Closure Level

RDCL - Residential Default Closure Level

* - Criteria not established for this analyte.

-- - Not Analyzed

BGS - below ground surface

mg/kg - milligrams per kilogram

ND(1.1) - Analyte not detected at quantitation limit in parenthesis.

J - The associated value is an estimated quantity.

UJ - The material was analyzed for, but was not detected. The associated value is an estimate and may be inaccurate or imprecise.

Sample Location:			B-101	B-102	B-103	B-103	B-104	B-105	B-106	B-107	B-108	B-109	B-109	B-110	B-111	B-112	B-113	B-114	B-114	B-115	B-116
Sample ID:	IDEM	IDEM	S-082203-MG-106	S-082203-MG-108	S-082603-MG-112	S-082603-MG-113	S-082703-MG-125	S-082703-MG-128	S-082703-MG-130	S-082703-MG-132	S-082703-MG-134	S-082803-MG-136	S-082803-MG-137	S-082803-MG-139	S-082603-MG-110	S-082603-MG-115	S-090503-MG-189	S-090903-MG-200	S-090903-MG-201	S-090903-MG-202	S-090903-MG-204
Sample Date:	RISC	RISC RDCL	8/22/2003	8/22/2003	8/26/2003	8/26/2003	8/27/2003	8/27/2003	8/27/2003	8/27/2003	8/27/2003	8/28/2003	8/28/2003	8/28/2003	8/26/2003	8/26/2003	9/5/2003	9/9/2003	9/9/2003	9/9/2003	9/9/2003
Sample Depth:	IDCL a	b kDCL	6-8 ft BGS	4-6 ft BGS	4-6 ft BGS	4-6 ft BGS Duplicate	6-8 ft BGS	2-4 ft BGS	2-4 ft BGS	4-6 ft BGS	4-6 ft BGS	4-6 ft BGS	4-6 ft BGS Duplicate	8-10 ft BGS	6-8 ft BGS	2-4 ft BGS	4-6 ft BGS	2-4 ft BGS	8-10 ft BGS	2-4 ft BGS	4-6 ft BGS
						.,							,								
Volatile Organic Compounds (mg/kg) 1,1,2-Tetrachloroethane	0.85	0.053	ND (0.008) UI	ND (0.0075) UJ	ND (0.0057) UI	ND (0.0059) UI	ND (0.011) UJ	ND (0.0079) UJ	ND (0.0064) UJ	ND (0.0069) UI	ND (0.0085) UI	ND (0.0082)	ND (0.0089)	ND (0.0065)	ND (0.0082) UJ	ND (0.008) UJ	ND (0.0074) UI	ND (0.0063) UI	ND (0.064)	ND (0.0072) UJ	ND (0.0067) UI
1,1,1-Trichloroethane	280	1.9	ND (0.008)	ND (0.0075)	ND (0.0057)	ND (0.0059)	ND (0.011)	ND (0.0079)	ND (0.0064)	ND (0.0069)	ND (0.0085)	ND (0.0082)	ND (0.0089)	ND (0.0065)	ND (0.0082)	ND (0.008)	ND (0.0074)	ND (0.0063)	ND (0.064)	ND (0.0072)	ND (0.0067)
1,1,2,2-Tetrachloroethane	0.11	0.007	ND (0.008)	ND (0.0075)	ND (0.0057)	ND (0.0059)	ND (0.011)	ND (0.0079)	ND (0.0064)	ND (0.0069)	ND (0.0085) UJ	ND (0.0082)	ND (0.0089)	ND (0.0065)	ND (0.0082)	ND (0.008)	ND (0.0074)	ND (0.0063)	ND (0.064)	ND (0.0072)	ND (0.0067)
1,1,2-Trichloroethane 1,1-Dichloroethane	0.3	0.03	ND (0.008) ND (0.008)	ND (0.0075) ND (0.0075)	ND (0.0057) ND (0.0057) UJ	ND (0.0059) ND (0.0059)	ND (0.011) ND (0.011)	ND (0.0079) ND (0.0079)	ND (0.0064) ND (0.0064)	ND (0.0069) ND (0.0069)	ND (0.0085) ND (0.0085)	ND (0.0082) ND (0.0082)	ND (0.0089) ND (0.0089)	ND (0.0065) ND (0.0065)	ND (0.0082) ND (0.0082)	ND (0.008) ND (0.008)	ND (0.0074) ND (0.0074)	ND (0.0063) ND (0.0063)	ND (0.064) ND (0.064)	ND (0.0072) ND (0.0072) UJ	ND (0.0067) ND (0.0067) UJ
1,1-Dichloroethene	42	0.058	ND (0.008)	ND (0.0075)	ND (0.0057)	ND (0.0059)	ND (0.011)	ND (0.0079)	ND (0.0064)	ND (0.0069)	ND (0.0085)	ND (0.0082)	ND (0.0089)	ND (0.0065)	ND (0.0082)	ND (0.008)	ND (0.0074)	ND (0.0063)	ND (0.064)	ND (0.0072)	ND (0.0067)
1,1-Dichloropropene	*	*	ND (0.008)	ND (0.0075)	ND (0.0057)	ND (0.0059)	ND (0.011)	ND (0.0079)	ND (0.0064)	ND (0.0069)	ND (0.0085)	ND (0.0082)	ND (0.0089)	ND (0.0065)	ND (0.0082)	ND (0.008)	ND (0.0074)	ND (0.0063)	ND (0.064)	ND (0.0072)	ND (0.0067)
1,2,3-Trichlorobenzene	*	*	ND (0.032) ND (0.008)	ND (0.03)	ND (0.023)	ND (0.024)	ND (0.044)	ND (0.032)	ND (0.026)	ND (0.028)	ND (0.034) UJ	ND (0.033)	ND (0.036)	ND (0.026)	ND (0.033)	ND (0.032)	ND (0.03)	ND (0.025)	ND (0.26)	ND (0.029)	ND (0.027)
1,2,3-Trichloropropane 1,2,4-Trichlorobenzene	77	5.3	ND (0.008) ND (0.032)	ND (0.0075) ND (0.03)	ND (0.0057) ND (0.023)	ND (0.0059) ND (0.024)	ND (0.011) ND (0.044)	ND (0.0079) ND (0.032)	ND (0.0064) ND (0.026)	ND (0.0069) ND (0.028)	ND (0.0085) UJ ND (0.034) UJ	ND (0.0082) ND (0.033)	ND (0.0089) ND (0.036)	ND (0.0065) ND (0.026)	ND (0.0082) ND (0.033)	ND (0.008) ND (0.032)	ND (0.0074) ND (0.03)	ND (0.0063) ND (0.025)	ND (0.064) ND (0.26)	ND (0.0072) ND (0.029)	ND (0.0067) ND (0.027)
1,2,4-Trimethylbenzene	170	2.5	ND (0.032)	ND (0.03)	ND (0.023)	ND (0.024)	ND (0.044)	ND (0.032)	ND (0.026)	ND (0.028)	ND (0.034) UJ	ND (0.033)	ND (0.036)	ND (0.026)	ND (0.033)	ND (0.032)	ND (0.03)	ND (0.025)	ND (0.26)	ND (0.029)	ND (0.027)
1,2-Dibromo-3-chloropropane (DBCP)	*	*	ND (0.032)	ND (0.03)	ND (0.023)	ND (0.024)	ND (0.044)	ND (0.032)	ND (0.026)	ND (0.028)	ND (0.034) UJ	ND (0.033)	ND (0.036)	ND (0.026)	ND (0.033)	ND (0.032)	ND (0.03)	ND (0.025)	ND (0.26)	ND (0.029)	ND (0.027)
1,2-Dibromoethane (Ethylene Dibromide)	* 220	* 17	ND (0.032)	ND (0.03)	ND (0.023)	ND (0.024)	ND (0.044)	ND (0.032)	ND (0.026)	ND (0.028)	ND (0.034)	ND (0.033)	ND (0.036)	ND (0.026)	ND (0.033)	ND (0.032)	ND (0.03)	ND (0.025)	ND (0.26)	ND (0.029)	ND (0.027)
1,2-Dichlorobenzene 1,2-Dichloroethane	0.15	0.024	ND (0.008) ND (0.008)	ND (0.0075) ND (0.0075)	ND (0.0057) ND (0.0057)	ND (0.0059) ND (0.0059)	ND (0.011) ND (0.011)	ND (0.0079) ND (0.0079)	ND (0.0064) ND (0.0064)	ND (0.0069) ND (0.0069)	ND (0.0085) UJ ND (0.0085)	ND (0.0082) ND (0.0082)	ND (0.0089) ND (0.0089)	ND (0.0065) ND (0.0065)	ND (0.0082) ND (0.0082)	ND (0.008) ND (0.008)	ND (0.0074) ND (0.0074)	ND (0.0063) ND (0.0063)	ND (0.064) ND (0.064)	ND (0.0072) ND (0.0072)	ND (0.0067) ND (0.0067)
1,2-Dichloropropane	0.25	0.03	ND (0.008)	ND (0.0075)	ND (0.0057)	ND (0.0059)	ND (0.011)	ND (0.0079)	ND (0.0064)	ND (0.0069)	ND (0.0085)	ND (0.0082)	ND (0.0089)	ND (0.0065)	ND (0.0082)	ND (0.008)	ND (0.0074)	ND (0.0063)	ND (0.064)	ND (0.0072) UJ	ND (0.0067) UJ
1,3,5-Trimethylbenzene	68	0.61	ND (0.032)	ND (0.03)	ND (0.023)	ND (0.024)	ND (0.044)	ND (0.032)	ND (0.026)	ND (0.028)	ND (0.034) UJ	ND (0.033)	ND (0.036)	ND (0.026)	ND (0.033)	ND (0.032)	ND (0.03)	ND (0.025)	ND (0.26)	ND (0.029)	ND (0.027)
1,3-Dichlorobenzene	2.7	0.2	ND (0.008)	ND (0.0075)	ND (0.0057)	ND (0.0059)	ND (0.011)	ND (0.0079)	ND (0.0064)	ND (0.0069)	ND (0.0085) UJ	ND (0.0082)	ND (0.0089)	ND (0.0065)	ND (0.0082)	ND (0.008)	ND (0.0074)	ND (0.0063)	ND (0.064)	ND (0.0072)	ND (0.0067)
1,3-Dichloropropane 1,4-Dichlorobenzene	3.4	2.2	ND (0.008) ND (0.008)	ND (0.0075) ND (0.0075)	ND (0.0057) ND (0.0057)	ND (0.0059) ND (0.0059)	ND (0.011) ND (0.011)	ND (0.0079) ND (0.0079)	ND (0.0064) ND (0.0064)	ND (0.0069) ND (0.0069)	ND (0.0085) ND (0.0085) UJ	ND (0.0082) ND (0.0082)	ND (0.0089) ND (0.0089)	ND (0.0065) ND (0.0065)	ND (0.0082) ND (0.0082)	ND (0.008) ND (0.008)	ND (0.0074) ND (0.0074)	ND (0.0063) ND (0.0063)	ND (0.064) ND (0.064)	ND (0.0072) ND (0.0072)	ND (0.0067) ND (0.0067)
2,2-Dichloropropane	*	*	ND (0.008)	ND (0.0075)	ND (0.0057)	ND (0.0059)	ND (0.011)	ND (0.0079)	ND (0.0064)	ND (0.0069)	ND (0.0085)	ND (0.0082)	ND (0.0089)	ND (0.0065)	ND (0.0082)	ND (0.008)	ND (0.0074)	ND (0.0063)	ND (0.064)	ND (0.0072)	ND (0.0067)
2-Butanone (Methyl Ethyl Ketone)	250	35	ND (0.032)	ND (0.03)	ND (0.023) UJ	ND (0.024)	ND (0.044)	ND (0.032)	ND (0.026)	ND (0.028)	ND (0.034)	ND (0.033)	ND (0.036)	ND (0.026)	ND (0.033)	ND (0.032)	ND (0.03) UJ	ND (0.025)	ND (2.6)	ND (0.029) UJ	ND (0.027) UJ
2-Chlorotoluene 2-Hexanone	*	*	ND (0.032) ND (0.032)	ND (0.03) ND (0.03)	ND (0.023) ND (0.023)	ND (0.024) ND (0.024)	ND (0.044) ND (0.044)	ND (0.032) ND (0.032)	ND (0.026) ND (0.026)	ND (0.028) ND (0.028)	ND (0.034) UJ ND (0.034)	ND (0.033) ND (0.033) UI	ND (0.036) ND (0.036) UJ	ND (0.026) ND (0.026) UI	ND (0.033) ND (0.033)	ND (0.032) ND (0.032)	ND (0.03) ND (0.03)	ND (0.025) ND (0.025)	ND (0.26) ND (2.6)	ND (0.029) ND (0.029)	ND (0.027) ND (0.027)
2-Phenylbutane (sec-Butylbenzene)	*	*	ND (0.032)	ND (0.03)	ND (0.023)	ND (0.024)	ND (0.044)	ND (0.032)	ND (0.026)	ND (0.028)	ND (0.034)	ND (0.033)	ND (0.036)	ND (0.026) ND (0.026)	ND (0.033)	ND (0.032) ND (0.032)	ND (0.03)	ND (0.025)	ND (2.6)	ND (0.029)	ND (0.027) ND (0.027)
4-Chlorotoluene	*	*	ND (0.032)	ND (0.03)	ND (0.023)	ND (0.024)	ND (0.044)	ND (0.032)	ND (0.026)	ND (0.028)	ND (0.034) UJ	ND (0.033)	ND (0.036)	ND (0.026)	ND (0.033)	ND (0.032)	ND (0.03)	ND (0.025)	ND (0.26)	ND (0.029)	ND (0.027)
4-Methyl-2-Pentanone		***	3 TD (0.000)	NTD (0.00)	NTD (0.000)	NTD (0.004)	NTD (0.044)	NTD (0.000)	NTD (0.000)	ATT (0.000)	NTD (0.00.0)	NTD (0.000)	NTD (0.00.0)	NTD (0.00()	NTD (0.000)	NTD (0.000)	NTD (0.00) TT	NTD (0.005)	1TD (0.4)	NTD (0.000) TIT	NTD (0.00T) 111
(Methyl Isobutyl Ketone) Acetone	75 370	20 3.8	ND (0.032) ND (0.08) UJ	ND (0.03) ND (0.075) UJ	ND (0.023) ND (0.057) J	ND (0.024) ND (0.059) UJ	ND (0.044) ND (0.11) UJ	ND (0.032) 0.033 J	ND (0.026) ND (0.064) UJ	ND (0.028) ND (0.069) UJ	ND (0.034) ND (0.085) UJ	ND (0.033) ND (0.082)	ND (0.036) ND (0.089)	ND (0.026) ND (0.065)	ND (0.033) ND (0.082) UJ	ND (0.032) ND (0.08) UJ	ND (0.03) UJ ND (0.074) UJ	ND (0.025) ND (0.063) UJ	ND (2.6) ND (2.6)	ND (0.029) UJ ND (0.072) UJ	ND (0.027) UJ ND (0.067) UJ
Benzene	0.35	0.034	ND (0.008)	ND (0.0075)	ND (0.0057)	ND (0.0059)	ND (0.011)	ND (0.0079)	ND (0.0064)	ND (0.0069)	ND (0.0085)	ND (0.0082)	ND (0.0089)	ND (0.0065)	ND (0.0082)	ND (0.008)	ND (0.0074)	ND (0.0063)	ND (0.064)	ND (0.0072)	ND (0.0067)
Bromobenzene	*	*	ND (0.008)	ND (0.0075)	ND (0.0057)	ND (0.0059)	ND (0.011)	ND (0.0079)	ND (0.0064)	ND (0.0069)	ND (0.0085) UJ	ND (0.0082)	ND (0.0089)	ND (0.0065)	ND (0.0082)	ND (0.008)	ND (0.0074)	ND (0.0063)	ND (0.26)	ND (0.0072)	ND (0.0067)
Bromodichloromethane Bromoform	0.51 2.7	0.51	ND (0.008) ND (0.008) UI	ND (0.0075) ND (0.0075) UJ	ND (0.0057) ND (0.0057) UJ	ND (0.0059) ND (0.0059) UJ	ND (0.011) ND (0.011) UJ	ND (0.0079) ND (0.0079) UJ	ND (0.0064) ND (0.0064) UJ	ND (0.0069) ND (0.0069) UJ	ND (0.0085) ND (0.0085) UJ	ND (0.0082) ND (0.0082)	ND (0.0089) ND (0.0089)	ND (0.0065) ND (0.0065)	ND (0.0082) ND (0.0082) UJ	ND (0.008) ND (0.008) UJ	ND (0.0074) ND (0.0074) UJ	ND (0.0063) ND (0.0063) UJ	ND (0.064) ND (0.064)	ND (0.0072) ND (0.0072) UJ	ND (0.0067) ND (0.0067) UJ
Bromomethane (Methyl Bromide)	0.7	0.052	ND (0.008) UI	ND (0.0075) UJ	ND (0.0057) UJ	ND (0.0059) UJ	ND (0.011) UJ	ND (0.0079) UJ	ND (0.0064) UJ	ND (0.0069) UJ	ND (0.0085) UJ	ND (0.0082) UJ	ND (0.0089) UJ	ND (0.0065) UJ	ND (0.0082) UJ	ND (0.008) UJ	ND (0.0074) UJ	ND (0.0063) UJ	ND (0.064)	ND (0.0072) UJ	ND (0.0067) UJ
Carbon disulfide	82	10	ND (0.008)	ND (0.0075)	ND (0.0057)	ND (0.0059)	ND (0.011)	ND (0.0079)	ND (0.0064)	ND (0.0069)	ND (0.0085)	ND (0.0082)	ND (0.0089)	ND (0.0065)	ND (0.0082)	ND (0.008)	ND (0.0074)	ND (0.0063)	ND (0.064)	ND (0.0072)	ND (0.0067)
Carbon tetrachloride Chlorobenzene	0.29	0.066	ND (0.008) ND (0.008)	ND (0.0075) ND (0.0075)	ND (0.0057) ND (0.0057)	ND (0.0059) ND (0.0059)	ND (0.011) ND (0.011)	ND (0.0079) ND (0.0079)	ND (0.0064) ND (0.0064)	ND (0.0069) ND (0.0069)	ND (0.0085) ND (0.0085)	ND (0.0082) ND (0.0082)	ND (0.0089) ND (0.0089)	ND (0.0065) ND (0.0065)	ND (0.0082) ND (0.0082)	ND (0.008) ND (0.008)	ND (0.0074) ND (0.0074)	ND (0.0063) ND (0.0063)	ND (0.064) ND (0.064)	ND (0.0072) ND (0.0072)	ND (0.0067) ND (0.0067)
Chlorobromomethane	*	*	ND (0.008)	ND (0.0075)	ND (0.0057)	ND (0.0059)	ND (0.011)	ND (0.0079)	ND (0.0064)	ND (0.0069)	ND (0.0085)	ND (0.0082)	ND (0.0089)	ND (0.0065)	ND (0.0082)	ND (0.008)	ND (0.0074)	ND (0.0063)	ND (0.064)	ND (0.0072)	ND (0.0067)
Chloroethane	10	0.65	ND (0.008)	ND (0.0075)	ND (0.0057)	ND (0.0059)	ND (0.011)	ND (0.0079)	ND (0.0064)	ND (0.0069)	ND (0.0085)	ND (0.0082)	ND (0.0089)	ND (0.0065)	ND (0.0082)	ND (0.008)	ND (0.0074)	ND (0.0063) UJ	ND (0.064)	ND (0.0072)	ND (0.0067)
Chloroform (Trichloromethane) Chloromethane (Methyl Chloride)	1.2	0.47	ND (0.008) ND (0.008)	ND (0.0075)	ND (0.0057)	ND (0.0059) ND (0.0059)	ND (0.011)	ND (0.0079)	ND (0.0064) ND (0.0064)	ND (0.0069)	ND (0.0085)	ND (0.0082) ND (0.0082)	ND (0.0089) ND (0.0089)	ND (0.0065)	ND (0.0082) ND (0.0082)	ND (0.008)	ND (0.0074)	ND (0.0063) ND (0.0063)	ND (0.064)	ND (0.0072)	ND (0.0067)
cis-1.2-Dichloroethene	5.8	0.4	ND (0.008) ND (0.008)	ND (0.0075) ND (0.0075)	ND (0.0057) ND (0.0057)	ND (0.0059) ND (0.0059)	ND (0.011) ND (0.011)	ND (0.0079) ND (0.0079)	ND (0.0064) ND (0.0064)	ND (0.0069) ND (0.0069)	ND (0.0085) ND (0.0085)	ND (0.0082) ND (0.0082)	ND (0.0089) ND (0.0089)	ND (0.0065) ND (0.0065)	ND (0.0082) ND (0.0082)	ND (0.008) ND (0.008)	ND (0.0074) ND (0.0074)	ND (0.0063) ND (0.0063)	ND (0.064) ND (0.064)	ND (0.0072) ND (0.0072)	ND (0.0067) ND (0.0067)
cis-1,3-Dichloropropene	*	*	ND (0.008)	ND (0.0075)	ND (0.0057) ND (0.0057)	ND (0.0059)	ND (0.011) ND (0.011)	ND (0.0079)	ND (0.0064)	ND (0.0069)	ND (0.0085)	ND (0.0082) ND (0.0082) UJ	ND (0.0089) UI	ND (0.0065) UI	ND (0.0082)	ND (0.008)	ND (0.0074) ND (0.0074)	ND (0.0063)	ND (0.064)	ND (0.0072) ND (0.0072)	ND (0.0067) ND (0.0067)
Cymene (p-Isopropyltoluene)	*	*	ND (0.032)	ND (0.03)	ND (0.023)	ND (0.024)	ND (0.044)	ND (0.032)	ND (0.026)	ND (0.028)	ND (0.034)	ND (0.033) UJ	ND (0.036) UJ	ND (0.026) UJ	ND (0.033)	ND (0.032)	ND (0.03)	ND (0.025)	ND (0.26)	ND (0.029)	ND (0.027)
Dibromochloromethane	*	*	ND (0.008)	ND (0.0075)	ND (0.0057)	ND (0.0059)	ND (0.011)	ND (0.0079)	ND (0.0064)	ND (0.0069)	ND (0.0085)	ND (0.0082)	ND (0.0089)	ND (0.0065)	ND (0.0082)	ND (0.008)	ND (0.0074)	ND (0.0063)	ND (0.064)	ND (0.0072)	ND (0.0067)
Dibromomethane Dichlorodifluoromethane (CFC-12)	*	*	ND (0.008) ND (0.008)	ND (0.0075) ND (0.0075)	ND (0.0057) ND (0.0057)	ND (0.0059) ND (0.0059)	ND (0.011) ND (0.011)	ND (0.0079) ND (0.0079)	ND (0.0064) ND (0.0064)	ND (0.0069) ND (0.0069)	ND (0.0085) ND (0.0085)	ND (0.0082) ND (0.0082)	ND (0.0089) ND (0.0089)	ND (0.0065) ND (0.0065)	ND (0.0082) ND (0.0082)	ND (0.008) ND (0.008)	ND (0.0074) ND (0.0074)	ND (0.0063) ND (0.0063)	ND (0.064) ND (0.064)	ND (0.0072) ND (0.0072)	ND (0.0067) ND (0.0067)
Ethylbenzene	160	13	ND (0.008)	ND (0.0075)	ND (0.0057)	ND (0.0059)	ND (0.011)	ND (0.0079)	ND (0.0064)	ND (0.0069)	ND (0.0085)	ND (0.0082)	ND (0.0089)	ND (0.0065)	ND (0.0082)	ND (0.008)	ND (0.0074)	ND (0.0063)	ND (0.064)	ND (0.0072)	ND (0.0067)
Hexachlorobutadiene	44	16	ND (0.032)	ND (0.03)	ND (0.023)	ND (0.024)	ND (0.044)	ND (0.032)	ND (0.026)	ND (0.028)	ND (0.034)	ND (0.033)	ND (0.036)	ND (0.026)	ND (0.033)	ND (0.032)	ND (0.03)	ND (0.025) UJ	ND (0.26)	ND (0.029)	ND (0.027)
Isopropylbenzene m&p-Xylene	*	*	ND (0.032) ND (0.008) UJ	ND (0.03) ND (0.0075) UJ	ND (0.023) ND (0.0057) UJ	ND (0.024) ND (0.0059) UJ	ND (0.044) ND (0.011) UJ	ND (0.032) ND (0.0079) UJ	ND (0.026) ND (0.0064) UJ	ND (0.028) ND (0.0069) UJ	ND (0.034) UJ ND (0.0085) UJ	ND (0.033) ND (0.0082)	ND (0.036) ND (0.0089)	ND (0.026) ND (0.0065)	ND (0.033) ND (0.0082) UJ	ND (0.032) ND (0.008) UJ	ND (0.03) ND (0.0074) UJ	ND (0.025) ND (0.0063) UJ	ND (0.26) ND (0.064)	ND (0.029) ND (0.0072) UJ	ND (0.027) ND (0.0067) UJ
Methylene chloride	1.8	0.023	0.013 J	ND (0.015)	ND (0.012)	ND (0.012)	0.0023 J	0.0027 J	0.0028 J	0.0036 J	ND (0.017)	ND (0.017)	0.0018 J	ND (0.013)	ND (0.017)	ND (0.016)	ND (0.015)	0.0025 J	ND (0.26)	0.0024 J	0.0024 J
Naphthalene	170	0.7	ND (0.032)	ND (0.03)	ND (0.023)	ND (0.024)	ND (0.044)	ND (0.032)	ND (0.026)	ND (0.028)	ND (0.034) UJ	ND (0.033)	ND (0.036)	ND (0.026)	ND (0.033)	ND (0.032)	ND (0.03)	ND (0.025)	ND (0.26)	ND (0.029)	ND (0.027)
n-Butylbenzene	*	*	ND (0.032)	ND (0.03)	ND (0.023)	ND (0.024)	ND (0.044)	ND (0.032)	ND (0.026)	ND (0.028)	ND (0.034) UJ	ND (0.033) UJ	ND (0.036) UJ	ND (0.026) UJ	ND (0.033)	ND (0.032)	ND (0.03)	ND (0.025)	ND (0.26)	ND (0.029)	ND (0.027)
n-Propylbenzene	*	*	ND (0.032) ND (0.008) UJ	ND (0.03) ND (0.0075) UJ	ND (0.023) ND (0.0057) UJ	ND (0.024) ND (0.0059) UJ	ND (0.044) ND (0.011) UJ	ND (0.032) ND (0.0079) UJ	ND (0.026) ND (0.0064) UJ	ND (0.028) ND (0.0069) UJ	ND (0.034) UJ ND (0.0085) UJ	ND (0.033) ND (0.0082)	ND (0.036) ND (0.0089)	ND (0.026) ND (0.0065)	ND (0.033) ND (0.0082) UJ	ND (0.032) ND (0.008) UJ	ND (0.03) ND (0.0074) UJ	ND (0.025) ND (0.0063) UJ	ND (0.26) ND (0.064) UJ	ND (0.029) ND (0.0072) UJ	ND (0.027) ND (0.0067) UJ
o-Xylene Styrene	550	3.5	ND (0.008) UJ ND (0.008) UJ	ND (0.0075) UJ ND (0.0075) UJ	ND (0.0057) UJ ND (0.0057) UJ	ND (0.0059) UJ ND (0.0059) UJ	ND (0.011) UJ ND (0.011) UJ	ND (0.0079) UJ ND (0.0079) UJ	ND (0.0064) UJ ND (0.0064) UJ	ND (0.0069) UJ	ND (0.0085) UJ	ND (0.0082) ND (0.0082)	ND (0.0089)	ND (0.0065) ND (0.0065)	ND (0.0082) UJ	ND (0.008) UJ ND (0.008) UJ	ND (0.0074) UJ ND (0.0074) UJ	ND (0.0063) UJ ND (0.0063) UJ	ND (0.064) U)	ND (0.0072) UJ	ND (0.0067) UJ
tert-Butylbenzene	*	*	ND (0.032)	ND (0.03)	ND (0.023)	ND (0.024)	ND (0.044)	ND (0.032)	ND (0.026)	ND (0.028)	ND (0.034) UJ	ND (0.033)	ND (0.036)	ND (0.026)	ND (0.033)	ND (0.032)	ND (0.03)	ND (0.025)	ND (0.26)	ND (0.029)	ND (0.027)
Tetrachloroethene	0.64	0.058	0.24 ^b	0.028	0.036	0.065 ^b	0.0011 J	0.043	0.05	0.018	0.078 ^b	0.00073 J	ND (0.0089)	ND (0.0065)	0.2 ^b	0.051	0.27 ^b	0.026	8.0 ^{ab}	0.00094 J	0.015
Toluene trans 1.2 Dishlorosthone	240 14	12 0.68	ND (0.008) ND (0.008)	ND (0.0075) ND (0.0075)	ND (0.0057) ND (0.0057)	ND (0.0059) ND (0.0059)	ND (0.011) ND (0.011)	ND (0.0079) ND (0.0079)	ND (0.0064) ND (0.0064)	ND (0.0069) ND (0.0069)	ND (0.0085) ND (0.0085)	ND (0.0082) ND (0.0082)	ND (0.0089) ND (0.0089)	ND (0.0065) ND (0.0065)	ND (0.0082) ND (0.0082)	ND (0.008) ND (0.008)	ND (0.0074) ND (0.0074)	ND (0.0063) ND (0.0063)	ND (0.064) ND (0.064)	ND (0.0072) ND (0.0072)	ND (0.0067) ND (0.0067)
trans-1,2-Dichloroethene trans-1,3-Dichloropropene	*	v.68	ND (0.008) ND (0.008)	ND (0.0075) ND (0.0075)	ND (0.0057) ND (0.0057)	ND (0.0059) ND (0.0059)	ND (0.011) ND (0.011)	ND (0.0079) ND (0.0079)	ND (0.0064) ND (0.0064)	ND (0.0069) ND (0.0069)	ND (0.0085) ND (0.0085)	ND (0.0082) ND (0.0082)	ND (0.0089) ND (0.0089)	ND (0.0065) ND (0.0065)	ND (0.0082) ND (0.0082)	ND (0.008) ND (0.008)	ND (0.0074) ND (0.0074)	ND (0.0063) ND (0.0063)	ND (0.064) ND (0.064)	ND (0.0072) ND (0.0072)	ND (0.0067) ND (0.0067)
Trichloroethene	0.082	0.057	0.029	ND (0.0075)	0.0024 J	0.0038 J	ND (0.011)	0.0005 J	ND (0.0064)	ND (0.0069)	ND (0.0085)	ND (0.0082)	ND (0.0089)	ND (0.0065)	0.032	0.0057 J	0.046	0.0019 J	0.73 ^{ab}	ND (0.0072)	ND (0.0067)
Trichlorofluoromethane (CFC-11)	*	*	ND (0.008)	ND (0.0075)	ND (0.0057)	ND (0.0059)	ND (0.011)	ND (0.0079)	ND (0.0064)	ND (0.0069)	ND (0.0085)	ND (0.0082)	ND (0.0089)	ND (0.0065)	ND (0.0082)	ND (0.008)	ND (0.0074) UJ	ND (0.0063) UJ	ND (0.064)	ND (0.0072)	ND (0.0067)
Vinyl chloride	0.013	0.013	ND (0.008)	ND (0.0075)	ND (0.0057)	ND (0.0059)	ND (0.011)	ND (0.0079)	ND (0.0064)	ND (0.0069)	ND (0.0085)	ND (0.0082)	ND (0.0089)	ND (0.0065)	ND (0.0082)	ND (0.008)	ND (0.0074)	ND (0.0063)	ND (0.064)	ND (0.0072)	ND (0.0067)

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Sample Location:			B-117	B-117	B-117	B-118	B-118	B-119	B-120	B-121	B-122	B-122	B-123	B-124	B-124	B-125	B-125	B-125	B-126	B-126	B-126
Sample ID:	IDEM	IDEM	S-090903-MG-206	S-090903-MG-207	S-090903-MG-208	S-090903-MG-209	S-090903-MG-210	S-090903-MG-211	S-082803-MG-141	S-082603-MG-117	S-090503-MG-187	S-090503-MG-188	S-090503-MG-191	S-090903-MG-198	S-090903-MG-199	S-091703-MG-308	S-091703-MG-309	S-091703-MG-310	S-091703-MG-304	S-091703-MG-305	S-091703-MG-306
Sample Date: Sample Depth:	RISC IDCL	RISC RDCL	9/9/2003 2-4 ft BGS	9/9/2003 2-4 ft BGS	9/9/2003 8-10 ft BGS	9/9/2003 2-4 ft BGS	9/9/2003 8-10 ft BGS	9/9/2003 4-6 ft BGS	8/28/2003 6-8 ft BGS	8/26/2003 4-6 ft BGS	9/5/2003 2-4 ft BGS	9/5/2003 8-10 ft BGS	9/5/2003 2-4 ft BGS	9/9/2003 2-4 ft BGS	9/9/2003 8-10 ft BGS	9/17/2003 0.5-1 ft BGS	9/17/2003 4-6 ft BGS	9/17/2003 8-10 ft BGS	9/17/2003 0.5-1 ft BGS	9/17/2003 4-6 ft BGS	9/17/2003 4-6 ft BGS
зитри Берін.	a	b	2-4 ji 1803	Duplicate	3-10 ji BG3	2-4 ji 1503	8-10 Jt BG3	4-0 ji BG3	0-0 jt BG3	4-0 jt BG3	2-4 ji BG3	8-10 Jt BG3	2-4 ji 1503	2-4 ji BG3	8-10 Ji BG3	0.5-1 jt BG5	4-0 Ji BG3	8-10 Jt BG3	0.5-1 jt BG5	4-0 Jt BG3	Duplicate
Volatile Organic Compounds (mg/kg) 1,1,2-Tetrachloroethane	0.85	0.053	ND (0.0062) UJ	ND (0.0061) UJ	ND (0.0077) UJ	ND (0.0076) UI	ND (0.0064) UJ	ND (0.0067) UJ	ND (0.0067)	ND (0.0074) UJ	ND (0.0065) UJ	ND (0.007) UI	ND (0.0062) UJ	ND (0.0061) UJ	ND (0.061)	ND (0.0063)	ND (0.0054)	ND (0.0078)	ND (0.0056)	ND (0.0072)	ND (0.006)
1,1,1-Trichloroethane	280	1.9	ND (0.0062)	ND (0.0061)	ND (0.0077)	ND (0.0076)	ND (0.0064)	ND (0.0067)	ND (0.0067)	ND (0.0074)	ND (0.0065)	ND (0.007)	ND (0.0062)	ND (0.0061)	ND (0.061)	ND (0.0063)	ND (0.0054)	ND (0.0078)	ND (0.0056)	ND (0.0072)	ND (0.006)
1,1,2,2-Tetrachloroethane	0.11	0.007	ND (0.0062)	ND (0.0061)	ND (0.0077)	ND (0.0076)	ND (0.0064)	ND (0.0067)	ND (0.0067)	ND (0.0074)	ND (0.0065)	ND (0.007)	ND (0.0062)	ND (0.0061)	ND (0.061)	ND (0.0063)	ND (0.0054)	ND (0.0078)	ND (0.0056)	ND (0.0072)	ND (0.006)
1,1,2-Trichloroethane 1,1-Dichloroethane	0.3 58	0.03	ND (0.0062) ND (0.0062) UJ	ND (0.0061) ND (0.0061)	ND (0.0077) ND (0.0077) UJ	ND (0.0076) ND (0.0076) UJ	ND (0.0064) ND (0.0064) UJ	ND (0.0067) ND (0.0067) UJ	ND (0.0067) ND (0.0067)	ND (0.0074) ND (0.0074)	ND (0.0065) ND (0.0065)	ND (0.007) ND (0.007)	ND (0.0062) ND (0.0062)	ND (0.0061) ND (0.0061) UJ	ND (0.061) ND (0.061)	ND (0.0063) ND (0.0063)	ND (0.0054) ND (0.0054)	ND (0.0078) ND (0.0078)	ND (0.0056) ND (0.0056)	ND (0.0072) ND (0.0072)	ND (0.006) ND (0.006)
1,1-Dichloroethene	42	0.058	ND (0.0062)	ND (0.0061)	ND (0.0077)	ND (0.0076)	ND (0.0064)	ND (0.0067)	ND (0.0067)	ND (0.0074)	ND (0.0065)	ND (0.007)	ND (0.0062)	ND (0.0061)	ND (0.061)	ND (0.0063)	ND (0.0054)	ND (0.0078)	ND (0.0056)	ND (0.0072)	ND (0.006)
1,1-Dichloropropene	*	*	ND (0.0062)	ND (0.0061)	ND (0.0077)	ND (0.0076)	ND (0.0064)	ND (0.0067)	ND (0.0067)	ND (0.0074)	ND (0.0065)	ND (0.007)	ND (0.0062)	ND (0.0061)	ND (0.061)	ND (0.0063)	ND (0.0054)	ND (0.0078)	ND (0.0056)	ND (0.0072)	ND (0.006)
1,2,3-Trichlorobenzene	*	*	ND (0.025)	ND (0.025)	ND (0.031)	ND (0.031)	ND (0.026)	ND (0.027)	ND (0.027)	ND (0.03)	ND (0.026) UJ	ND (0.028) UJ	ND (0.025) UJ	ND (0.025)	ND (0.25)	ND (0.025)	ND (0.022)	ND (0.032)	ND (0.023)	ND (0.029)	ND (0.024)
1,2,3-Trichloropropane 1,2,4-Trichlorobenzene	77	5.3	ND (0.0062) ND (0.025)	ND (0.0061) ND (0.025)	ND (0.0077) ND (0.031)	ND (0.0076) ND (0.031)	ND (0.0064) ND (0.026)	ND (0.0067) ND (0.027)	ND (0.0067) ND (0.027)	ND (0.0074) ND (0.03)	ND (0.0065) ND (0.026)	ND (0.007) ND (0.028)	ND (0.0062) ND (0.025)	ND (0.0061) ND (0.025)	ND (0.061) ND (0.25)	ND (0.0063) ND (0.025)	ND (0.0054) ND (0.022)	ND (0.0078) ND (0.032)	ND (0.0056) ND (0.023)	ND (0.0072) ND (0.029)	ND (0.006) ND (0.024)
1,2,4-Trimethylbenzene	170	2.5	ND (0.025)	ND (0.025)	ND (0.031)	ND (0.031)	ND (0.026)	ND (0.027)	ND (0.027)	ND (0.03)	ND (0.026)	ND (0.028)	ND (0.025)	ND (0.025)	ND (0.25)	ND (0.025)	ND (0.022)	ND (0.032)	ND (0.023)	ND (0.029)	ND (0.024)
1,2-Dibromo-3-chloropropane (DBCP)	*	*	ND (0.025)	ND (0.025)	ND (0.031)	ND (0.031)	ND (0.026)	ND (0.027)	ND (0.027)	ND (0.03)	ND (0.026)	ND (0.028)	ND (0.025)	ND (0.025)	ND (0.25)	ND (0.025) UJ	ND (0.022) UJ	ND (0.032) UJ	ND (0.023) UJ	ND (0.029) UJ	ND (0.024) UJ
1,2-Dibromoethane (Ethylene Dibromide)	*	* 17	ND (0.025)	ND (0.025)	ND (0.031)	ND (0.031)	ND (0.026)	ND (0.027)	ND (0.027)	ND (0.03)	ND (0.026)	ND (0.028)	ND (0.025)	ND (0.025)	ND (0.25)	ND (0.025)	ND (0.022)	ND (0.032)	ND (0.023)	ND (0.029)	ND (0.024)
1,2-Dichlorobenzene 1,2-Dichloroethane	220 0.15	0.024	ND (0.0062) ND (0.0062)	ND (0.0061) ND (0.0061)	ND (0.0077) ND (0.0077)	ND (0.0076) ND (0.0076)	ND (0.0064) ND (0.0064)	ND (0.0067) ND (0.0067)	ND (0.0067) ND (0.0067)	ND (0.0074) ND (0.0074)	ND (0.0065) ND (0.0065)	ND (0.007) ND (0.007)	ND (0.0062) ND (0.0062)	ND (0.0061) ND (0.0061)	ND (0.061) ND (0.061)	ND (0.0063) ND (0.0063)	ND (0.0054) ND (0.0054)	ND (0.0078) ND (0.0078)	ND (0.0056) ND (0.0056)	ND (0.0072) ND (0.0072)	ND (0.006) ND (0.006)
1,2-Dichloropropane	0.25	0.03	ND (0.0062) UJ	ND (0.0061)	ND (0.0077) UJ	ND (0.0076) UJ	ND (0.0064) UJ	ND (0.0067) UJ	ND (0.0067)	ND (0.0074)	ND (0.0065)	ND (0.007)	ND (0.0062)	ND (0.0061) UJ	ND (0.061)	ND (0.0063)	ND (0.0054)	ND (0.0078)	ND (0.0056)	ND (0.0072)	ND (0.006)
1,3,5-Trimethylbenzene	68	0.61	ND (0.025)	ND (0.025)	ND (0.031)	ND (0.031)	ND (0.026)	ND (0.027)	ND (0.027)	ND (0.03)	ND (0.026)	ND (0.028)	ND (0.025)	ND (0.025)	ND (0.25)	ND (0.025)	ND (0.022)	ND (0.032)	ND (0.023)	ND (0.029)	ND (0.024)
1,3-Dichlorobenzene	2.7	0.2	ND (0.0062)	ND (0.0061)	ND (0.0077)	ND (0.0076)	ND (0.0064)	ND (0.0067)	ND (0.0067)	ND (0.0074)	ND (0.0065)	ND (0.007)	ND (0.0062)	ND (0.0061)	ND (0.061)	ND (0.0063)	ND (0.0054)	ND (0.0078)	ND (0.0056)	ND (0.0072)	ND (0.006)
1,3-Dichloropropane 1,4-Dichlorobenzene	3.4	* 2.2	ND (0.0062) ND (0.0062)	ND (0.0061) ND (0.0061)	ND (0.0077) ND (0.0077)	ND (0.0076) ND (0.0076)	ND (0.0064) ND (0.0064)	ND (0.0067) ND (0.0067)	ND (0.0067) ND (0.0067)	ND (0.0074) ND (0.0074)	ND (0.0065) ND (0.0065)	ND (0.007) ND (0.007)	ND (0.0062) ND (0.0062)	ND (0.0061) ND (0.0061)	ND (0.061) ND (0.061)	ND (0.0063) ND (0.0063)	ND (0.0054) ND (0.0054)	ND (0.0078) ND (0.0078)	ND (0.0056) ND (0.0056)	ND (0.0072) ND (0.0072)	ND (0.006) ND (0.006)
2,2-Dichloropropane	3.4 *	*	ND (0.0062)	ND (0.0061)	ND (0.0077) ND (0.0077)	ND (0.0076)	ND (0.0064)	ND (0.0067)	ND (0.0067)	ND (0.0074)	ND (0.0065)	ND (0.007)	ND (0.0062)	ND (0.0061) ND (0.0061)	ND (0.061) ND (0.061)	ND (0.0063)	ND (0.0054)	ND (0.0078)	ND (0.0056)	ND (0.0072) ND (0.0072)	ND (0.006) ND (0.006)
2-Butanone (Methyl Ethyl Ketone)	250	35	ND (0.025) UJ	ND (0.025)	ND (0.031) UJ	ND (0.031) UJ	ND (0.026) UJ	ND (0.027) UJ	ND (0.027)	ND (0.03)	ND (0.026)	ND (0.028)	ND (0.025)	ND (0.025) UJ	ND (2.5)	ND (0.025) UJ	ND (0.022) UJ	ND (0.032) UJ	ND (0.023) UJ	ND (0.029) UJ	ND (0.024) UJ
2-Chlorotoluene	*	*	ND (0.025)	ND (0.025)	ND (0.031)	ND (0.031)	ND (0.026)	ND (0.027)	ND (0.027)	ND (0.03)	ND (0.026)	ND (0.028)	ND (0.025)	ND (0.025)	ND (0.25)	ND (0.025)	ND (0.022)	ND (0.032)	ND (0.023)	ND (0.029)	ND (0.024)
2-Hexanone 2-Phenylbutane (sec-Butylbenzene)	*	*	ND (0.025) ND (0.025)	ND (0.025) ND (0.025)	ND (0.031) ND (0.031)	ND (0.031) ND (0.031)	ND (0.026) ND (0.026)	ND (0.027) ND (0.027)	ND (0.027) UJ ND (0.027)	ND (0.03) ND (0.03)	ND (0.026) ND (0.026)	ND (0.028) ND (0.028)	ND (0.025) ND (0.025)	ND (0.025) ND (0.025)	ND (2.5) ND (0.25)	ND (0.025) UJ ND (0.025)	ND (0.022) UJ ND (0.022)	ND (0.032) UJ ND (0.032)	ND (0.023) UJ ND (0.023)	ND (0.029) UJ ND (0.029)	ND (0.024) UJ ND (0.024)
4-Chlorotoluene	*	*	ND (0.025)	ND (0.025)	ND (0.031)	ND (0.031)	ND (0.026)	ND (0.027)	ND (0.027)	ND (0.03)	ND (0.026)	ND (0.028)	ND (0.025)	ND (0.025)	ND (0.25)	ND (0.025)	ND (0.022)	ND (0.032)	ND (0.023)	ND (0.029)	ND (0.024)
4-Methyl-2-Pentanone			(*** *)	(*** *)	()	()	(/	((, ,)	()	(****)	(*** */	(*** *)	()	(*** *)	(/	()	(4.4	()	((, , , ,	(, ,
(Methyl Isobutyl Ketone)	75	20	ND (0.025) UJ	ND (0.025)	ND (0.031) UJ	ND (0.031) UJ	ND (0.026) UJ	ND (0.027) UJ	ND (0.027)	ND (0.03)	ND (0.026)	ND (0.028)	ND (0.025)	ND (0.025) UJ	ND (2.5)	ND (0.025)	ND (0.022)	ND (0.032)	ND (0.023)	ND (0.029)	ND (0.024)
Acetone Benzene	370 0.35	3.8 0.034	ND (0.062) UJ ND (0.0062)	ND (0.061) UJ ND (0.0061)	ND (0.077) UJ ND (0.0077)	ND (0.076) UJ ND (0.0076)	ND (0.064) UJ ND (0.0064)	ND (0.067) UJ ND (0.0067)	ND (0.067) ND (0.0067)	ND (0.074) UJ ND (0.0074)	ND (0.065) UJ ND (0.0065)	ND (0.07) UJ ND (0.007)	ND (0.062) UJ ND (0.0062)	ND (0.061) UJ ND (0.0061)	ND (2.5) ND (0.061)	ND (0.063) ND (0.0063)	ND (0.054) ND (0.0054)	ND (0.078) ND (0.0078)	ND (0.056) ND (0.0056)	ND (0.072) ND (0.0072)	ND (0.06) ND (0.006)
Bromobenzene	*	*	ND (0.0062)	ND (0.0061)	ND (0.0077)	ND (0.0076)	ND (0.0064)	ND (0.0067)	ND (0.0067)	ND (0.0074)	ND (0.0065)	ND (0.007)	ND (0.0062)	ND (0.0061)	ND (0.001)	ND (0.0063)	ND (0.0054)	ND (0.0078)	ND (0.0056)	ND (0.0072)	ND (0.006)
Bromodichloromethane	0.51	0.51	ND (0.0062)	ND (0.0061)	ND (0.0077)	ND (0.0076)	ND (0.0064)	ND (0.0067)	ND (0.0067)	ND (0.0074)	ND (0.0065)	ND (0.007)	ND (0.0062)	ND (0.0061)	ND (0.061)	ND (0.0063)	ND (0.0054)	ND (0.0078)	ND (0.0056)	ND (0.0072)	ND (0.006)
Bromoform	2.7	0.6	ND (0.0062) UJ	ND (0.0061) UJ	ND (0.0077) UJ	ND (0.0076) UJ	ND (0.0064) UJ	ND (0.0067) UJ	ND (0.0067)	ND (0.0074) UJ	ND (0.0065) UJ	ND (0.007) UJ	ND (0.0062) UJ	ND (0.0061) UJ	ND (0.061)	ND (0.0063) UJ	ND (0.0054) UJ	ND (0.0078) UJ	ND (0.0056) UJ	ND (0.0072) UJ	ND (0.006) UJ
Bromomethane (Methyl Bromide) Carbon disulfide	0.7 82	0.052	ND (0.0062) UJ ND (0.0062)	ND (0.0061) UJ ND (0.0061)	ND (0.0077) UJ ND (0.0077)	ND (0.0076) UJ ND (0.0076)	ND (0.0064) UJ ND (0.0064)	ND (0.0067) UJ ND (0.0067)	ND (0.0067) UJ ND (0.0067)	ND (0.0074) UJ ND (0.0074)	ND (0.0065) UJ ND (0.0065)	ND (0.007) UJ ND (0.007)	ND (0.0062) UJ ND (0.0062)	ND (0.0061) UJ ND (0.0061)	ND (0.061) ND (0.061)	ND (0.0063) ND (0.0063)	ND (0.0054) ND (0.0054)	ND (0.0078) ND (0.0078)	ND (0.0056) ND (0.0056)	ND (0.0072) ND (0.0072)	ND (0.006) ND (0.006)
Carbon tetrachloride	0.29	0.066	ND (0.0062)	ND (0.0061)	ND (0.0077)	ND (0.0076)	ND (0.0064)	ND (0.0067)	ND (0.0067)	ND (0.0074)	ND (0.0065)	ND (0.007)	ND (0.0062)	ND (0.0061)	ND (0.061)	ND (0.0063)	ND (0.0054)	ND (0.0078)	ND (0.0056)	ND (0.0072)	ND (0.006)
Chlorobenzene	27	1.3	ND (0.0062)	ND (0.0061)	ND (0.0077)	ND (0.0076)	ND (0.0064)	ND (0.0067)	ND (0.0067)	ND (0.0074)	ND (0.0065)	ND (0.007)	ND (0.0062)	ND (0.0061)	ND (0.061)	ND (0.0063)	ND (0.0054)	ND (0.0078)	ND (0.0056)	ND (0.0072)	ND (0.006)
Chlorobromomethane Chloroethane	10	0.65	ND (0.0062) ND (0.0062)	ND (0.0061) ND (0.0061) UJ	ND (0.0077) ND (0.0077)	ND (0.0076) ND (0.0076)	ND (0.0064) ND (0.0064)	ND (0.0067) ND (0.0067)	ND (0.0067) ND (0.0067)	ND (0.0074) ND (0.0074)	ND (0.0065) ND (0.0065)	ND (0.007) ND (0.007)	ND (0.0062) ND (0.0062)	ND (0.0061) ND (0.0061)	ND (0.061) ND (0.061)	ND (0.0063) ND (0.0063)	ND (0.0054) ND (0.0054)	ND (0.0078) ND (0.0078)	ND (0.0056) ND (0.0056)	ND (0.0072) ND (0.0072)	ND (0.006) ND (0.006)
Chloroform (Trichloromethane)	1.2	0.65	ND (0.0062)	ND (0.0061) U)	ND (0.0077) ND (0.0077)	ND (0.0076)	ND (0.0064)	ND (0.0067)	ND (0.0067)	ND (0.0074) ND (0.0074)	ND (0.0065)	ND (0.007)	ND (0.0062)	ND (0.0061) ND (0.0061)	ND (0.061) ND (0.061)	ND (0.0063)	ND (0.0054)	ND (0.0078)	ND (0.0056)	ND (0.0072) ND (0.0072)	ND (0.006) ND (0.006)
Chloromethane (Methyl Chloride)	*	*	ND (0.0062)	ND (0.0061)	ND (0.0077)	ND (0.0076)	ND (0.0064)	ND (0.0067)	ND (0.0067)	ND (0.0074)	ND (0.0065)	ND (0.007)	ND (0.0062)	ND (0.0061)	ND (0.061)	ND (0.0063)	ND (0.0054)	ND (0.0078)	ND (0.0056)	ND (0.0072)	ND (0.006)
cis-1,2-Dichloroethene	5.8	0.4	ND (0.0062)	ND (0.0061)	ND (0.0077)	ND (0.0076)	ND (0.0064)	ND (0.0067)	ND (0.0067)	ND (0.0074)	ND (0.0065)	0.0024 J	ND (0.0062)	ND (0.0061)	ND (0.061)	ND (0.0063)	ND (0.0054)	0.003 J	ND (0.0056)	ND (0.0072)	ND (0.006)
cis-1,3-Dichloropropene	*	*	ND (0.0062) ND (0.025)	ND (0.0061) ND (0.025)	ND (0.0077) ND (0.031)	ND (0.0076) ND (0.031)	ND (0.0064) ND (0.026)	ND (0.0067)	ND (0.0067) UJ ND (0.027) UJ	ND (0.0074)	ND (0.0065)	ND (0.007) ND (0.028)	ND (0.0062)	ND (0.0061) ND (0.025)	ND (0.061) ND (0.25)	ND (0.0063)	ND (0.0054) ND (0.022)	ND (0.0078) ND (0.032)	ND (0.0056)	ND (0.0072) ND (0.029)	ND (0.006) ND (0.024)
Cymene (p-Isopropyltoluene) Dibromochloromethane	*	*	ND (0.025) ND (0.0062)	ND (0.025) ND (0.0061)	ND (0.031) ND (0.0077)	ND (0.031) ND (0.0076)	ND (0.026) ND (0.0064)	ND (0.027) ND (0.0067)	ND (0.027) UJ ND (0.0067)	ND (0.03) ND (0.0074)	ND (0.026) ND (0.0065)	ND (0.028) ND (0.007)	ND (0.025) ND (0.0062)	ND (0.025) ND (0.0061)	ND (0.25) ND (0.061)	ND (0.025) ND (0.0063)	ND (0.022) ND (0.0054)	ND (0.032) ND (0.0078)	ND (0.023) ND (0.0056)	ND (0.029) ND (0.0072)	ND (0.024) ND (0.006)
Dibromomethane	*	*	ND (0.0062)	ND (0.0061)	ND (0.0077)	ND (0.0076)	ND (0.0064)	ND (0.0067)	ND (0.0067)	ND (0.0074)	ND (0.0065)	ND (0.007)	ND (0.0062)	ND (0.0061)	ND (0.061)	ND (0.0063)	ND (0.0054)	ND (0.0078)	ND (0.0056)	ND (0.0072)	ND (0.006)
Dichlorodifluoromethane (CFC-12)	*	*	ND (0.0062)	ND (0.0061)	ND (0.0077)	ND (0.0076)	ND (0.0064)	ND (0.0067)	ND (0.0067)	ND (0.0074)	ND (0.0065)	ND (0.007)	ND (0.0062)	ND (0.0061)	ND (0.061)	ND (0.0063)	ND (0.0054)	ND (0.0078)	ND (0.0056)	ND (0.0072)	ND (0.006)
Ethylbenzene Hexachlorobutadiene	160 44	13 16	ND (0.0062) ND (0.025)	ND (0.0061) ND (0.025) UJ	ND (0.0077) ND (0.031)	ND (0.0076) ND (0.031)	ND (0.0064) ND (0.026)	ND (0.0067) ND (0.027)	ND (0.0067) ND (0.027)	ND (0.0074) ND (0.03)	ND (0.0065) ND (0.026)	ND (0.007) ND (0.028)	ND (0.0062) ND (0.025)	ND (0.0061) ND (0.025)	ND (0.061) ND (0.25)	ND (0.0063) ND (0.025)	ND (0.0054) ND (0.022)	ND (0.0078) ND (0.032)	ND (0.0056) ND (0.023)	ND (0.0072) ND (0.029)	ND (0.006) ND (0.024)
Isopropylbenzene	*	*	ND (0.025)	ND (0.025)	ND (0.031)	ND (0.031)	ND (0.026)	ND (0.027)	ND (0.027)	ND (0.03)	ND (0.026)	ND (0.028)	ND (0.025)	ND (0.025)	ND (0.25)	ND (0.025)	ND (0.022)	ND (0.032)	ND (0.023)	ND (0.029)	ND (0.024)
m&p-Xylene	*	*	ND (0.0062) UJ	ND (0.0061) UJ	ND (0.0077) UJ	ND (0.0076) UJ	ND (0.0064) UJ	ND (0.0067) UJ	ND (0.0067)	ND (0.0074) UJ	ND (0.0065) UJ	ND (0.007) UJ	ND (0.0062) UJ	ND (0.0061) UJ	ND (0.061)	ND (0.0063)	ND (0.0054)	ND (0.0078)	ND (0.0056)	ND (0.0072)	ND (0.006)
Methylene chloride	1.8	0.023	0.0021 J	0.0027 J	0.0018 J	0.0026 J	0.002 J	0.0021 J	ND (0.014)	ND (0.015)	ND (0.013)	ND (0.014)	ND (0.013)	0.0025 J	0.030 J ^b	ND (0.013)	ND (0.011)	ND (0.016)	ND (0.012)	ND (0.015)	ND (0.012)
Naphthalene	170	0.7	ND (0.025)	ND (0.025)	ND (0.031)	ND (0.031)	ND (0.026)	ND (0.027)	ND (0.027)	ND (0.03)	ND (0.026)	ND (0.028)	ND (0.025)	ND (0.025)	ND (0.25)	ND (0.025)	ND (0.022)	ND (0.032)	ND (0.023)	ND (0.029)	ND (0.024)
n-Butylbenzene n-Propylbenzene	*	*	ND (0.025) ND (0.025)	ND (0.025) ND (0.025)	ND (0.031) ND (0.031)	ND (0.031) ND (0.031)	ND (0.026) ND (0.026)	ND (0.027) ND (0.027)	ND (0.027) UJ ND (0.027)	ND (0.03) ND (0.03)	ND (0.026) ND (0.026)	ND (0.028) ND (0.028)	ND (0.025) ND (0.025)	ND (0.025) ND (0.025)	ND (0.25) ND (0.25)	ND (0.025) UJ ND (0.025)	ND (0.022) UJ ND (0.022)	ND (0.032) UJ ND (0.032)	ND (0.023) UJ ND (0.023)	ND (0.029) UJ ND (0.029)	ND (0.024) UJ ND (0.024)
o-Xylene	*	*	ND (0.025) ND (0.0062) UJ	ND (0.025) ND (0.0061) UJ	ND (0.031) ND (0.0077) UJ	ND (0.031) ND (0.0076) UJ	ND (0.026) ND (0.0064) UJ	ND (0.027) ND (0.0067) UJ	ND (0.027) ND (0.0067)	ND (0.03) ND (0.0074) UJ	ND (0.026) ND (0.0065) UJ	ND (0.028) ND (0.007) UJ	ND (0.025) ND (0.0062) UJ	ND (0.025) ND (0.0061) UJ	ND (0.25) ND (0.061)	ND (0.023) ND (0.0063)	ND (0.022) ND (0.0054)	ND (0.032) ND (0.0078)	ND (0.023) ND (0.0056)	ND (0.029) ND (0.0072)	ND (0.024) ND (0.006)
Styrene	550	3.5	ND (0.0062) UJ	ND (0.0061) UJ	ND (0.0077) UJ	ND (0.0076) UJ	ND (0.0064) UJ	ND (0.0067) UJ	ND (0.0067)	ND (0.0074) UJ	ND (0.0065) UJ	ND (0.007) UJ	ND (0.0062) UJ	ND (0.0061) UJ	ND (0.061)	ND (0.0063)	ND (0.0054)	ND (0.0078)	ND (0.0056)	ND (0.0072)	ND (0.006)
tert-Butylbenzene	*	*	ND (0.025)	ND (0.025)	ND (0.031)	ND (0.031)	ND (0.026)	ND (0.027)	ND (0.027)	ND (0.03)	ND (0.026)	ND (0.028)	ND (0.025)	ND (0.025)	ND (0.25)	ND (0.025)	ND (0.022)	ND (0.032)	ND (0.023)	ND (0.029)	ND (0.024)
Tetrachloroethene	0.64	0.058 12	0.0026 J ND (0.0062)	ND (0.0061)	0.036	0.0043 J ND (0.0076)	0.0059 J	0.0025 J	0.0022 J ND (0.0067)	0.026 ND (0.0074)	0.036	0.36 ^b ND (0.007)	0.0083 ND (0.0062)	0.041	5.4 ^{ab}	0.14 ^b	0.16 ^b	1.8 ^{ab} ND (0.0078)	0.033 ND (0.0056)	0.041	0.051
Toluene trans-1,2-Dichloroethene	240 14	0.68	ND (0.0062) ND (0.0062)	ND (0.0061) ND (0.0061)	ND (0.0077) ND (0.0077)	ND (0.0076) ND (0.0076)	ND (0.0064) ND (0.0064)	ND (0.0067) ND (0.0067)	ND (0.0067) ND (0.0067)	ND (0.0074) ND (0.0074)	ND (0.0065) ND (0.0065)	ND (0.007) ND (0.007)	ND (0.0062) ND (0.0062)	ND (0.0061) ND (0.0061)	ND (0.061) ND (0.061)	ND (0.0063) ND (0.0063)	ND (0.0054) ND (0.0054)	ND (0.0078) ND (0.0078)	ND (0.0056) ND (0.0056)	ND (0.0072) ND (0.0072)	ND (0.006) ND (0.006)
trans-1,3-Dichloropropene	*	*	ND (0.0062)	ND (0.0061)	ND (0.0077)	ND (0.0076)	ND (0.0064)	ND (0.0067)	ND (0.0067)	ND (0.0074)	ND (0.0065)	ND (0.007)	ND (0.0062)	ND (0.0061)	ND (0.061)	ND (0.0063) UJ	ND (0.0054) UJ	ND (0.0078) UJ	ND (0.0056) UJ	ND (0.0072) ND (0.0072) UJ	ND (0.006) UJ
Trichloroethene	0.082	0.057	ND (0.0062)	ND (0.0061)	0.00046 J	ND (0.0076)	ND (0.0064)	ND (0.0067)	ND (0.0067)	0.0035 J	0.00073 J	0.056	ND (0.0062)	0.00083 J	0.47 ^{ab}	ND (0.0063)	0.0081	0.14^{ab}	ND (0.0056)	0.0035 J	0.005 J
Trichlorofluoromethane (CFC-11)	*	*	ND (0.0062)	ND (0.0061) UJ	ND (0.0077)	ND (0.0076)	ND (0.0064)	ND (0.0067)	ND (0.0067)	ND (0.0074)	ND (0.0065)	ND (0.007)	ND (0.0062)	ND (0.0061)	ND (0.061)	ND (0.0063)	ND (0.0054)	ND (0.0078)	ND (0.0056)	ND (0.0072)	ND (0.006)
Vinyl chloride	0.013	0.013	ND (0.0062)	ND (0.0061)	ND (0.0077)	ND (0.0076)	ND (0.0064)	ND (0.0067)	ND (0.0067)	ND (0.0074)	ND (0.0065)	ND (0.007)	ND (0.0062)	ND (0.0061)	ND (0.061)	ND (0.0063)	ND (0.0054)	ND (0.0078)	ND (0.0056)	ND (0.0072)	ND (0.006)

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Sample Location:			B-127	B-127	B-127	B-128	B-128	B-129	B-130	B-131	B-132	B-132	B-133	B-133	B-134	B-135	B-135	B-136	B-136	B-137	B-137
Sample ID: Sample Date:	IDEM RISC	IDEM RISC	S-091603-MG-290 9/16/2003	S-091603-MG-291 9/16/2003	S-091603-MG-292 9/16/2003	S-091603-MG-287 9/16/2003	S-091603-MG-288 9/16/2003	S-091003-MG-213 9/10/2003	S-082803-MG-143 8/28/2003	S-082603-MG-119 8/26/2003	S-090403-MG-184 9/4/2003	S-090403-MG-185 9/4/2003	S-090503-MG-193 9/5/2003	S-090503-MG-194 9/5/2003	S-090503-MG-196 9/5/2003	S-091703-MG-301 9/17/2003	S-091703-MG-302 9/17/2003	S-091703-MG-298 9/17/2003	S-091703-MG-299 9/17/2003	S-091703-MG-294 9/17/2003	S-091703-MG-295 9/17/2003
Sample Date: Sample Depth:	IDCL	RDCL	0.5-1 ft BGS	6-8 ft BGS	6-8 ft BGS	0.5-1 ft BGS	6-8 ft BGS	4-6 ft BGS	8-10 ft BGS	2-4 ft BGS	2-4 ft BGS	8-10 ft BGS	2-4 ft BGS	2-4 ft BGS	2-4 ft BGS	0.5-1 ft BGS	4-6 ft BGS	0.5-1 ft BGS	6-8 ft BGS	0.5-1 ft BGS	8-10 ft BGS
	а	b			Duplicate									Duplicate							
Volatile Organic Compounds (mg/kg)	0.05	0.053	ND (0.0063) UI	NID (0.0(0)	ND (0.059)	NID (0.0070) III	NID (0.0050) I II	NID (0.0072) III	ND (0.0069)	MD (0.0000) 111	NID (0.000) 111	ND (0.066)	NID (0.0074) III	NID (0.0002), III	ND (0.0063) UI	NID (0.0050)	NID (0.00(0)	ND (0.0079)	NID (0.00(2))	NID (0.00(E) 111	ND (0.0085) UI
1,1,1,2-Tetrachloroethane 1,1,1-Trichloroethane	0.85 280	1.9	ND (0.0063) UJ ND (0.0063)	ND (0.060) ND (0.060)	ND (0.059) ND (0.059)	ND (0.0078) UJ ND (0.0078)	ND (0.0059) UJ ND (0.0059)	ND (0.0073) UJ ND (0.0073)	ND (0.0069) ND (0.0069)	ND (0.0089) UJ ND (0.0089)	ND (0.006) UJ ND (0.006)	ND (0.066) ND (0.066)	ND (0.0074) UJ ND (0.0074)	ND (0.0082) UJ ND (0.0082)	ND (0.0063) UJ ND (0.0063)	ND (0.0059) ND (0.0059)	ND (0.0068) ND (0.0068)	ND (0.0079) ND (0.0079)	ND (0.0063) ND (0.0063)	ND (0.0065) UJ ND (0.0065)	ND (0.0085) UJ ND (0.0085)
1,1,2,2-Tetrachloroethane	0.11	0.007	ND (0.0063)	ND (0.060)	ND (0.059)	ND (0.0078)	ND (0.0059)	ND (0.0073)	ND (0.0069)	ND (0.0089)	ND (0.006)	ND (0.066)	ND (0.0074)	ND (0.0082)	ND (0.0063)	ND (0.0059)	ND (0.0068)	ND (0.0079)	ND (0.0063)	ND (0.0065)	ND (0.0085)
1,1,2-Trichloroethane	0.3	0.03	ND (0.0063)	ND (0.060)	ND (0.059)	ND (0.0078)	ND (0.0059)	ND (0.0073)	ND (0.0069)	ND (0.0089)	ND (0.006)	ND (0.066)	ND (0.0074)	ND (0.0082)	ND (0.0063)	ND (0.0059)	ND (0.0068)	ND (0.0079)	ND (0.0063)	ND (0.0065)	ND (0.0085)
1,1-Dichloroethane 1,1-Dichloroethene	58 42	5.6 0.058	ND (0.0063) UJ ND (0.0063)	ND (0.060) ND (0.060)	ND (0.059) ND (0.059)	ND (0.0078) UJ ND (0.0078)	ND (0.0059) UJ ND (0.0059)	ND (0.0073) UJ ND (0.0073)	ND (0.0069) ND (0.0069)	ND (0.0089) ND (0.0089)	ND (0.006) ND (0.006)	ND (0.066) ND (0.066)	ND (0.0074) ND (0.0074)	ND (0.0082) ND (0.0082)	ND (0.0063) ND (0.0063)	ND (0.0059) ND (0.0059)	ND (0.0068) ND (0.0068)	ND (0.0079) ND (0.0079)	ND (0.0063) ND (0.0063)	ND (0.0065) UJ ND (0.0065)	ND (0.0085) UJ ND (0.0085)
1,1-Dichloropropene	*	v.056	ND (0.0063)	ND (0.060) ND (0.060)	ND (0.059)	ND (0.0078)	ND (0.0059)	ND (0.0073)	ND (0.0069)	ND (0.0089)	ND (0.006) ND (0.006)	ND (0.066)	ND (0.0074) ND (0.0074)	ND (0.0082)	ND (0.0063)	ND (0.0059)	ND (0.0068)	ND (0.0079)	ND (0.0063)	ND (0.0065) ND (0.0065)	ND (0.0085)
1,2,3-Trichlorobenzene	*	*	ND (0.025)	ND (0.24)	ND (0.24)	ND (0.032)	ND (0.024)	ND (0.03)	ND (0.028)	ND (0.036)	ND (0.024)	ND (0.27)	ND (0.03)	ND (0.033)	ND (0.025)	ND (0.024)	ND (0.027)	ND (0.032)	ND (0.025)	ND (0.026)	ND (0.034)
1,2,3-Trichloropropane	*	*	ND (0.0063)	ND (0.060)	ND (0.059)	ND (0.0078)	ND (0.0059)	ND (0.0073)	ND (0.0069)	ND (0.0089)	ND (0.006)	ND (0.066)	ND (0.0074)	ND (0.0082)	ND (0.0063)	ND (0.0059)	ND (0.0068)	ND (0.0079)	ND (0.0063)	ND (0.0065)	ND (0.0085)
1,2,4-Trichlorobenzene	77	5.3	ND (0.025)	ND (0.24)	ND (0.24)	ND (0.032)	ND (0.024)	ND (0.03)	ND (0.028)	ND (0.036)	ND (0.024)	ND (0.27)	ND (0.03)	ND (0.033)	ND (0.025)	ND (0.024)	ND (0.027)	ND (0.032)	ND (0.025)	ND (0.026)	ND (0.034)
1,2,4-Trimethylbenzene 1,2-Dibromo-3-chloropropane (DBCP)	170	2.5	ND (0.025) ND (0.025)	ND (0.24) ND (0.24)	ND (0.24) ND (0.24)	ND (0.032) ND (0.032)	ND (0.024) ND (0.024)	ND (0.03) ND (0.03)	ND (0.028) ND (0.028)	ND (0.036) ND (0.036)	ND (0.024) ND (0.024)	ND (0.27) ND (0.27)	ND (0.03) ND (0.03)	ND (0.033) ND (0.033)	ND (0.025) ND (0.025)	ND (0.024) ND (0.024) UJ	ND (0.027) ND (0.027) UI	ND (0.032) ND (0.032) UJ	ND (0.025) ND (0.025) UJ	ND (0.026) ND (0.026)	ND (0.034) ND (0.034)
1,2-Dibromoethane (Ethylene Dibromide)	*	*	ND (0.025)	ND (0.24)	ND (0.24)	ND (0.032)	ND (0.024)	ND (0.03)	ND (0.028)	ND (0.036)	ND (0.024)	ND (0.27)	ND (0.03)	ND (0.033)	ND (0.025)	ND (0.024)	ND (0.027)	ND (0.032) U)	ND (0.025)	ND (0.026)	ND (0.034)
1,2-Dichlorobenzene	220	17	ND (0.0063)	ND (0.060)	ND (0.059)	ND (0.0078)	ND (0.0059)	ND (0.0073)	ND (0.0069)	ND (0.0089)	ND (0.006)	ND (0.066)	ND (0.0074)	ND (0.0082)	ND (0.0063)	ND (0.0059)	ND (0.0068)	ND (0.0079)	ND (0.0063)	ND (0.0065)	ND (0.0085)
1,2-Dichloroethane	0.15	0.024	ND (0.0063)	ND (0.060)	ND (0.059)	ND (0.0078)	ND (0.0059)	ND (0.0073)	ND (0.0069)	ND (0.0089)	ND (0.006)	ND (0.066)	ND (0.0074)	ND (0.0082)	ND (0.0063)	ND (0.0059)	ND (0.0068)	ND (0.0079)	ND (0.0063)	ND (0.0065)	ND (0.0085)
1,2-Dichloropropane	0.25 68	0.03	ND (0.0063) UJ	ND (0.060)	ND (0.059)	ND (0.0078) UJ	ND (0.0059) UJ	ND (0.0073)	ND (0.0069)	ND (0.0089)	ND (0.006)	ND (0.066)	ND (0.0074)	ND (0.0082)	ND (0.0063)	ND (0.0059)	ND (0.0068)	ND (0.0079)	ND (0.0063)	ND (0.0065) UJ	ND (0.0085) UJ
1,3,5-Trimethylbenzene 1,3-Dichlorobenzene	68 2.7	0.61 0.2	ND (0.025) ND (0.0063)	ND (0.24) ND (0.060)	ND (0.24) ND (0.059)	ND (0.032) ND (0.0078)	ND (0.024) ND (0.0059)	ND (0.03) ND (0.0073)	ND (0.028) ND (0.0069)	ND (0.036) ND (0.0089)	ND (0.024) ND (0.006)	ND (0.27) ND (0.066)	ND (0.03) ND (0.0074)	ND (0.033) ND (0.0082)	ND (0.025) ND (0.0063)	ND (0.024) ND (0.0059)	ND (0.027) ND (0.0068)	ND (0.032) ND (0.0079)	ND (0.025) ND (0.0063)	ND (0.026) ND (0.0065)	ND (0.034) ND (0.0085)
1,3-Dichloropropane	*	*	ND (0.0063)	ND (0.060)	ND (0.059)	ND (0.0078)	ND (0.0059)	ND (0.0073)	ND (0.0069)	ND (0.0089)	ND (0.006)	ND (0.066)	ND (0.0074)	ND (0.0082)	ND (0.0063)	ND (0.0059)	ND (0.0068)	ND (0.0079)	ND (0.0063)	ND (0.0065)	ND (0.0085)
1,4-Dichlorobenzene	3.4	2.2	ND (0.0063)	ND (0.060)	ND (0.059)	ND (0.0078)	ND (0.0059)	ND (0.0073)	ND (0.0069)	ND (0.0089)	ND (0.006)	ND (0.066)	ND (0.0074)	ND (0.0082)	ND (0.0063)	ND (0.0059)	ND (0.0068)	ND (0.0079)	ND (0.0063)	ND (0.0065)	ND (0.0085)
2,2-Dichloropropane	*	*	ND (0.0063)	ND (0.060)	ND (0.059)	ND (0.0078)	ND (0.0059)	ND (0.0073)	ND (0.0069)	ND (0.0089)	ND (0.006)	ND (0.066)	ND (0.0074)	ND (0.0082)	ND (0.0063)	ND (0.0059)	ND (0.0068)	ND (0.0079)	ND (0.0063)	ND (0.0065)	ND (0.0085)
2-Butanone (Methyl Ethyl Ketone) 2-Chlorotoluene	250	35	ND (0.025) UJ ND (0.025)	ND (2.4) ND (0.24)	ND (2.4) ND (0.24)	ND (0.032) UJ ND (0.032)	ND (0.024) UJ ND (0.024)	ND (0.03) ND (0.03)	ND (0.028) ND (0.028)	ND (0.036) ND (0.036)	ND (0.024) ND (0.024)	ND (2.7) ND (0.27)	ND (0.03) UJ ND (0.03)	ND (0.033) UJ ND (0.033)	ND (0.025) UJ ND (0.025)	ND (0.024) UJ ND (0.024)	ND (0.027) UJ ND (0.027)	ND (0.032) UJ ND (0.032)	ND (0.025) UJ ND (0.025)	ND (0.026) UJ ND (0.026)	ND (0.034) UJ ND (0.034)
2-Hexanone	*	*	ND (0.025)	ND (2.4) UJ	ND (2.4) UJ	ND (0.032)	ND (0.024)	ND (0.03)	ND (0.028) UJ	ND (0.036)	ND (0.024)	ND (2.7)	ND (0.03)	ND (0.033)	ND (0.025)	ND (0.024) UJ	ND (0.027) UJ	ND (0.032) UJ	ND (0.025) UJ	ND (0.026)	ND (0.034)
2-Phenylbutane (sec-Butylbenzene)	*	*	ND (0.025)	ND (0.24)	ND (0.24)	ND (0.032)	ND (0.024)	ND (0.03)	ND (0.028)	ND (0.036)	ND (0.024)	ND (0.27)	ND (0.03)	ND (0.033)	ND (0.025)	ND (0.024)	ND (0.027)	ND (0.032)	ND (0.025)	ND (0.026)	ND (0.034)
4-Chlorotoluene 4-Methyl-2-Pentanone	*	*	ND (0.025)	ND (0.24)	ND (0.24)	ND (0.032)	ND (0.024)	ND (0.03)	ND (0.028)	ND (0.036)	ND (0.024)	ND (0.27)	ND (0.03)	ND (0.033)	ND (0.025)	ND (0.024)	ND (0.027)	ND (0.032)	ND (0.025)	ND (0.026)	ND (0.034)
(Methyl Isobutyl Ketone)	75	20	ND (0.025)	ND (2.4)	ND (2.4)	ND (0.032)	ND (0.024)	ND (0.03)	ND (0.028)	ND (0.036)	ND (0.024)	ND (2.7)	ND (0.03) UJ	ND (0.033) UJ	ND (0.025) UJ	ND (0.024)	ND (0.027)	ND (0.032)	ND (0.025)	ND (0.026)	ND (0.034)
Acetone	370	3.8	ND (0.063) UJ	ND (2.4)	ND (2.4)	ND (0.078) UJ	ND (0.059) UJ	ND (0.073) UJ	ND (0.069)	ND (0.089) UJ	ND (0.06) UJ	ND (2.7)	ND (0.074) UJ	ND (0.082) UJ	ND (0.063) UJ	ND (0.059)	ND (0.068)	ND (0.079)	0.11	ND (0.065) UJ	ND (0.085) UJ
Benzene	0.35	0.034	ND (0.0063)	ND (0.060)	ND (0.059)	ND (0.0078)	ND (0.0059)	ND (0.0073)	ND (0.0069)	ND (0.0089)	ND (0.006)	ND (0.066)	ND (0.0074)	ND (0.0082)	ND (0.0063)	ND (0.0059)	ND (0.0068)	ND (0.0079)	ND (0.0063)	ND (0.0065)	ND (0.0085)
Bromobenzene Bromodichloromethane	0.51	0.51	ND (0.0063) ND (0.0063)	ND (0.24) ND (0.060)	ND (0.24) ND (0.059)	ND (0.0078) ND (0.0078)	ND (0.0059) ND (0.0059)	ND (0.0073) ND (0.0073)	ND (0.0069) ND (0.0069)	ND (0.0089) ND (0.0089)	ND (0.006) ND (0.006)	ND (0.27) ND (0.066)	ND (0.0074) ND (0.0074)	ND (0.0082) ND (0.0082)	ND (0.0063) ND (0.0063)	ND (0.0059) ND (0.0059)	ND (0.0068) ND (0.0068)	ND (0.0079) ND (0.0079)	ND (0.0063) ND (0.0063)	ND (0.0065) ND (0.0065)	ND (0.0085) ND (0.0085)
Bromoform	2.7	0.51	ND (0.0063) UJ	ND (0.060)	ND (0.059)	ND (0.0078) UJ	ND (0.0059) UJ	ND (0.0073) UJ	ND (0.0069)	ND (0.0089) UJ	ND (0.006) UJ	ND (0.066)	ND (0.0074) UJ	ND (0.0082) UJ	ND (0.0063) UJ	ND (0.0059) UJ	ND (0.0068) UJ	ND (0.0079) UJ	ND (0.0063) UJ	ND (0.0065) UJ	ND (0.0085) UJ
Bromomethane (Methyl Bromide)	0.7	0.052	ND (0.0063) UJ	ND (0.060)	ND (0.059)	ND (0.0078) UJ	ND (0.0059) UJ	ND (0.0073) UJ	ND (0.0069) UJ	ND (0.0089) UJ	ND (0.006) UJ	ND (0.066)	ND (0.0074) UJ	ND (0.0082) UJ	ND (0.0063) UJ	ND (0.0059)	ND (0.0068)	ND (0.0079)	ND (0.0063)	ND (0.0065) UJ	ND (0.0085) UJ
Carbon disulfide	82	10	ND (0.0063)	ND (0.060)	ND (0.059)	ND (0.0078)	ND (0.0059)	ND (0.0073)	ND (0.0069)	ND (0.0089)	ND (0.006)	ND (0.066)	ND (0.0074)	ND (0.0082)	ND (0.0063)	ND (0.0059)	ND (0.0068)	ND (0.0079)	ND (0.0063)	ND (0.0065)	ND (0.0085)
Carbon tetrachloride Chlorobenzene	0.29	0.066 1.3	ND (0.0063) ND (0.0063)	ND (0.060) ND (0.060)	ND (0.059) ND (0.059)	ND (0.0078) ND (0.0078)	ND (0.0059) ND (0.0059)	ND (0.0073) ND (0.0073)	ND (0.0069) ND (0.0069)	ND (0.0089) ND (0.0089)	ND (0.006) ND (0.006)	ND (0.066) ND (0.066)	ND (0.0074) ND (0.0074)	ND (0.0082) ND (0.0082)	ND (0.0063) ND (0.0063)	ND (0.0059) ND (0.0059)	ND (0.0068) ND (0.0068)	ND (0.0079) ND (0.0079)	ND (0.0063) ND (0.0063)	ND (0.0065) ND (0.0065)	ND (0.0085) ND (0.0085)
Chlorobromomethane	*	*	ND (0.0063)	ND (0.060)	ND (0.059)	ND (0.0078)	ND (0.0059)	ND (0.0073)	ND (0.0069)	ND (0.0089)	ND (0.006)	ND (0.066)	ND (0.0074)	ND (0.0082)	ND (0.0063)	ND (0.0059)	ND (0.0068)	ND (0.0079)	ND (0.0063)	ND (0.0065)	ND (0.0085)
Chloroethane	10	0.65	ND (0.0063)	ND (0.060)	ND (0.059)	ND (0.0078)	ND (0.0059)	ND (0.0073)	ND (0.0069)	ND (0.0089)	ND (0.006)	ND (0.066)	ND (0.0074)	ND (0.0082)	ND (0.0063)	ND (0.0059)	ND (0.0068)	ND (0.0079)	ND (0.0063)	ND (0.0065)	ND (0.0085)
Chloroform (Trichloromethane) Chloromethane (Methyl Chloride)	1.2	0.47	ND (0.0063) ND (0.0063)	ND (0.060) ND (0.060) UJ	ND (0.059) ND (0.059) UJ	ND (0.0078) ND (0.0078)	ND (0.0059) ND (0.0059)	ND (0.0073) ND (0.0073)	ND (0.0069) ND (0.0069)	ND (0.0089) ND (0.0089)	ND (0.006) ND (0.006)	ND (0.066) ND (0.066)	ND (0.0074) ND (0.0074)	ND (0.0082) ND (0.0082)	ND (0.0063) ND (0.0063)	ND (0.0059) ND (0.0059)	ND (0.0068) ND (0.0068)	ND (0.0079) ND (0.0079)	ND (0.0063) ND (0.0063)	ND (0.0065) ND (0.0065)	ND (0.0085) ND (0.0085)
cis-1,2-Dichloroethene	5.8	0.4	ND (0.0063)	ND (0.060) U)	ND (0.059) U)	ND (0.0078)	ND (0.0059)	ND (0.0073)	ND (0.0069)	ND (0.0089)	ND (0.006)	ND (0.066)	ND (0.0074) ND (0.0074)	ND (0.0082)	ND (0.0063)	ND (0.0059)	ND (0.0068)	ND (0.0079)	ND (0.0063)	ND (0.0065)	ND (0.0085)
cis-1,3-Dichloropropene	*	*	ND (0.0063)	ND (0.060)	ND (0.059)	ND (0.0078)	ND (0.0059)	ND (0.0073)	ND (0.0069) UJ	ND (0.0089)	ND (0.006)	ND (0.066)	ND (0.0074)	ND (0.0082)	ND (0.0063)	ND (0.0059)	ND (0.0068)	ND (0.0079)	ND (0.0063)	ND (0.0065)	ND (0.0085)
Cymene (p-Isopropyltoluene)	*	*	ND (0.025)	ND (0.24)	ND (0.24)	ND (0.032)	ND (0.024)	ND (0.03)	ND (0.028) UJ	ND (0.036)	ND (0.024)	ND (0.27)	ND (0.03)	ND (0.033)	ND (0.025)	ND (0.024)	ND (0.027)	ND (0.032)	0.0023 J	ND (0.026)	ND (0.034)
Dibromochloromethane	*	*	ND (0.0063)	ND (0.060)	ND (0.059)	ND (0.0078)	ND (0.0059)	ND (0.0073)	ND (0.0069)	ND (0.0089)	ND (0.006)	ND (0.066)	ND (0.0074)	ND (0.0082)	ND (0.0063)	ND (0.0059)	ND (0.0068)	ND (0.0079)	ND (0.0063)	ND (0.0065)	ND (0.0085)
Dibromomethane Dichlorodifluoromethane (CFC-12)	*	*	ND (0.0063) ND (0.0063)	ND (0.060) ND (0.060)	ND (0.059) ND (0.059)	ND (0.0078) ND (0.0078)	ND (0.0059) ND (0.0059)	ND (0.0073) ND (0.0073)	ND (0.0069) ND (0.0069)	ND (0.0089) ND (0.0089)	ND (0.006) ND (0.006)	ND (0.066) ND (0.066)	ND (0.0074) ND (0.0074)	ND (0.0082) ND (0.0082)	ND (0.0063) ND (0.0063)	ND (0.0059) ND (0.0059)	ND (0.0068) ND (0.0068)	ND (0.0079) ND (0.0079)	ND (0.0063) ND (0.0063)	ND (0.0065) ND (0.0065)	ND (0.0085) ND (0.0085)
Ethylbenzene	160	13	ND (0.0063)	ND (0.060)	ND (0.059)	ND (0.0078)	ND (0.0059)	ND (0.0073)	ND (0.0069)	ND (0.0089)	ND (0.006)	ND (0.066)	ND (0.0074)	ND (0.0082)	ND (0.0063)	ND (0.0059)	ND (0.0068)	ND (0.0079)	ND (0.0063)	ND (0.0065)	ND (0.0085)
Hexachlorobutadiene	44	16	ND (0.025)	ND (0.24)	ND (0.24)	ND (0.032)	ND (0.024)	ND (0.03)	ND (0.028)	ND (0.036)	ND (0.024)	ND (0.27)	ND (0.03)	ND (0.033)	ND (0.025)	ND (0.024)	ND (0.027)	ND (0.032)	ND (0.025)	ND (0.026)	ND (0.034)
Isopropylbenzene	*	*	ND (0.025)	ND (0.24)	ND (0.24)	ND (0.032)	ND (0.024)	ND (0.03)	ND (0.028)	ND (0.036)	ND (0.024)	ND (0.27)	ND (0.03)	ND (0.033)	ND (0.025)	ND (0.024)	ND (0.027)	ND (0.032)	ND (0.025)	ND (0.026)	ND (0.034)
m&p-Xylene Methylene chloride	1.8	0.023	ND (0.0063) UJ 0.002 I	ND (0.060) ND (0.24)	ND (0.059) ND (0.24)	ND (0.0078) UJ 0.0017 I	ND (0.0059) UJ 0.0017 I	ND (0.0073) UJ 0.02	ND (0.0069) ND (0.014)	ND (0.0089) UJ ND (0.018)	ND (0.006) UJ ND (0.012)	ND (0.066) ND (0.27)	ND (0.0074) UJ 0.0047 I	ND (0.0082) UJ 0.0061 I	ND (0.0063) UJ ND (0.013)	ND (0.0059) ND (0.012)	ND (0.0068) ND (0.014)	ND (0.0079) ND (0.016)	ND (0.0063) ND (0.013)	ND (0.0065) UJ ND (0.013)	ND (0.0085) UJ ND (0.017)
Naphthalene	170	0.023	ND (0.025)	ND (0.24)	ND (0.24)	ND (0.032)	ND (0.024)	ND (0.03)	ND (0.014)	ND (0.036)	ND (0.012)	ND (0.27)	ND (0.03)	ND (0.033)	ND (0.025)	ND (0.012)	ND (0.027)	ND (0.032)	ND (0.025)	ND (0.026)	ND (0.034)
n-Butylbenzene	*	*	ND (0.025)	ND (0.24)	ND (0.24)	ND (0.032)	ND (0.024)	ND (0.03)	ND (0.028) UJ	ND (0.036)	ND (0.024)	ND (0.27)	ND (0.03)	ND (0.033)	ND (0.025)	ND (0.024) UJ	ND (0.027) UJ	ND (0.032) UJ	ND (0.025) UJ	ND (0.026)	ND (0.034)
n-Propylbenzene	*	*	ND (0.025)	ND (0.24)	ND (0.24)	ND (0.032)	ND (0.024)	ND (0.03)	ND (0.028)	ND (0.036)	ND (0.024)	ND (0.27)	ND (0.03)	ND (0.033)	ND (0.025)	ND (0.024)	ND (0.027)	ND (0.032)	ND (0.025)	ND (0.026)	ND (0.034)
o-Xylene	*	* 3.5	ND (0.0063) UJ	ND (0.060)	ND (0.059)	ND (0.0078) UJ	ND (0.0059) UJ	ND (0.0073) UJ	ND (0.0069)	ND (0.0089) UJ	ND (0.006) UJ	ND (0.066)	ND (0.0074) UJ	ND (0.0082) UJ	ND (0.0063) UJ	ND (0.0059)	ND (0.0068)	ND (0.0079)	ND (0.0063)	ND (0.0065) UJ	ND (0.0085) UJ
Styrene tert-Butylbenzene	550	3.5 *	ND (0.0063) UJ ND (0.025)	ND (0.060) UJ ND (0.24)	ND (0.059) UJ ND (0.24)	ND (0.0078) UJ ND (0.032)	ND (0.0059) UJ ND (0.024)	ND (0.0073) UJ ND (0.03)	ND (0.0069) ND (0.028)	ND (0.0089) UJ ND (0.036)	ND (0.006) UJ ND (0.024)	ND (0.066) ND (0.27)	ND (0.0074) UJ ND (0.03)	ND (0.0082) UJ ND (0.033)	ND (0.0063) UJ ND (0.025)	ND (0.0059) ND (0.024)	ND (0.0068) ND (0.027)	ND (0.0079) ND (0.032)	ND (0.0063) ND (0.025)	ND (0.0065) UJ ND (0.026)	ND (0.0085) UJ ND (0.034)
Tetrachloroethene	0.64	0.058	ND (0.0063)	2.1 J ^{ab}	4.3 J ^{ab}	ND (0.0078)	0.0045 J	0.019	0.0098	0.0024 J	0.11 ^b	9.0 ^{ab}	0.087 J ^b	0.29 J ^b	0.068 ^b	0.074 ^b	0.043	0.0079	0.11 ^b	0.006 J	0.42 ^b
Toluene	240	12	ND (0.0063)	ND (0.060)	ND (0.059)	ND (0.0078)	ND (0.0059)	ND (0.0073)	ND (0.0069)	ND (0.0089)	ND (0.006)	ND (0.066)	ND (0.0074)	ND (0.0082)	ND (0.0063)	ND (0.0059)	ND (0.0068)	ND (0.0079)	ND (0.0063)	ND (0.0065)	ND (0.0085)
trans-1,2-Dichloroethene	14	0.68	ND (0.0063)	ND (0.060)	ND (0.059)	ND (0.0078)	ND (0.0059)	ND (0.0073)	ND (0.0069)	ND (0.0089)	ND (0.006)	ND (0.066)	ND (0.0074)	ND (0.0082)	ND (0.0063)	ND (0.0059)	ND (0.0068)	ND (0.0079)	ND (0.0063)	ND (0.0065)	ND (0.0085)
trans-1,3-Dichloropropene	0.002	0.057	ND (0.0063) 0.00077 I	ND (0.060)	ND (0.059)	ND (0.0078)	ND (0.0059)	ND (0.0073)	ND (0.0069)	ND (0.0089)	ND (0.006)	ND (0.066) 0.86 ^{ab}	ND (0.0074)	ND (0.0082)	ND (0.0063)	ND (0.0059) UJ	ND (0.0068) UJ	ND (0.0079) UJ	ND (0.0063) UJ	ND (0.0065)	ND (0.0085)
Trichloroethene Trichlorofluoromethane (CFC-11)	0.082	0.057	0.00077 J ND (0.0063) UJ	0.048 J ND (0.060)	0.12 ^{ab} ND (0.059)	ND (0.0078) ND (0.0078) UJ	ND (0.0059) ND (0.0059) UJ	ND (0.0073) ND (0.0073)	ND (0.0069) ND (0.0069)	ND (0.0089) ND (0.0089)	0.0095 ND (0.006)	0.86 ND (0.066)	0.0039 J ND (0.0074) UJ	0.019 J ND (0.0082) UJ	0.0024 J ND (0.0063) UJ	ND (0.0059) ND (0.0059)	ND (0.0068) ND (0.0068)	ND (0.0079) ND (0.0079)	0.021 ND (0.0063)	ND (0.0065) ND (0.0065) UJ	0.041 ND (0.0085) UJ
Vinyl chloride	0.013	0.013	ND (0.0063)	ND (0.060)	ND (0.059)	ND (0.0078)	ND (0.0059)	ND (0.0073)	ND (0.0069)	ND (0.0089)	ND (0.006)	ND (0.066)	ND (0.0074)	ND (0.0082)	ND (0.0063)	ND (0.0059)	ND (0.0068)	ND (0.0079)	ND (0.0063)	ND (0.0065)	ND (0.0085)
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County I postion			B-137	D 120	D 120	B-139	P 140	D 141	B-142	D 142	D 144	D 144	D 145	D 145	B-146	B-146	B-147	B-147	D 140	B-148	B-149
Sample Location: Sample ID:	IDEM	IDEM	S-091703-MG-296	B-138 S-091603-MG-284	B-138 S-091603-MG-285	S-091003-MG-215	B-140 S-082803-MG-145	B-141 S-082603-MG-121	S-082603-MG-123	B-143 S-090403-MG-182	B-144 S-090403-MG-179	B-144 S-090403-MG-180	B-145 S-091503-MG-265	B-145 S-091503-MG-266	S-091503-MG-268	S-091503-MG-269	S-091603-MG-274	S-091603-MG-275	B-148 S-091603-MG-281	S-091603-MG-282	S-091003-MG-217
Sample Date:	RISC	RISC	9/17/2003	9/16/2003	9/16/2003	9/10/2003	8/28/2003	8/26/2003	8/26/2003	9/4/2003	9/4/2003	9/4/2003	9/15/2003	9/15/2003	9/15/2003	9/15/2003	9/16/2003	9/16/2003	9/16/2003	9/16/2003	9/10/2003
Sample Depth:	IDCL a	RDCL b	8-10 ft BGS Duplicate	0.5-1 ft BGS	6-8 ft BGS	2-4 ft BGS	4-6 ft BGS	6-8 ft BGS	4-6 ft BGS	4-6 ft BGS	2-4 ft BGS	2-4 ft BGS Duplicate	0.5-1 ft BGS	6-8 ft BGS	0.5-1 ft BGS	6-8 ft BGS	0.5-1 ft BGS	8-10 ft BGS	0.5-1 ft BGS	4-6 ft BGS	2-4 ft BGS
		-	,									,									
Volatile Organic Compounds (mg/kg) 1,1,1,2-Tetrachloroethane	0.85	0.053	ND (0.0075) UJ	ND (0.0058) UJ	ND (0.0056) UJ	ND (0.0062) UI	ND (0.0062)	ND (0.0065) UJ	ND (0.0073) UJ	ND (0.0082) UJ	ND (0.0056) UJ	ND (0.0071) UJ	ND (0.067)	ND (0.063)	ND (0.0054) UJ	ND (0.062)	ND (0.0057) UJ	ND (0.57)	ND (0.0061) UJ	ND (0.0065) UJ	ND (0.0064) UI
1,1,1-Trichloroethane	280	1.9	ND (0.0075)	ND (0.0058)	ND (0.0056)	ND (0.0062)	ND (0.0062)	ND (0.0065)	ND (0.0073)	ND (0.0082)	ND (0.0056)	ND (0.0071)	ND (0.067)	ND (0.063)	ND (0.0054)	ND (0.062)	ND (0.0057)	ND (0.57)	ND (0.0061)	ND (0.0065)	ND (0.0064)
1,1,2,2-Tetrachloroethane	0.11	0.007	ND (0.0075)	ND (0.0058)	ND (0.0056)	ND (0.0062)	ND (0.0062)	ND (0.0065)	ND (0.0073)	ND (0.0082)	ND (0.0056)	ND (0.0071)	ND (0.067)	ND (0.063)	ND (0.0054)	ND (0.062)	ND (0.0057)	ND (0.57)	ND (0.0061)	ND (0.0065)	ND (0.0064)
1,1,2-Trichloroethane 1,1-Dichloroethane	0.3 58	0.03	ND (0.0075) ND (0.0075) UJ	ND (0.0058) ND (0.0058) UJ	ND (0.0056) ND (0.0056) UJ	ND (0.0062) ND (0.0062) UJ	ND (0.0062) ND (0.0062)	ND (0.0065) ND (0.0065)	ND (0.0073) ND (0.0073) UJ	ND (0.0082) ND (0.0082)	ND (0.0056) ND (0.0056)	ND (0.0071) ND (0.0071)	ND (0.067) ND (0.067)	ND (0.063) ND (0.063)	ND (0.0054) ND (0.0054)	ND (0.062) ND (0.062)	ND (0.0057) ND (0.0057) UJ	ND (0.57) ND (0.57)	ND (0.0061) ND (0.0061) UJ	ND (0.0065) ND (0.0065) UJ	ND (0.0064) ND (0.0064) UJ
1,1-Dichloroethane 1,1-Dichloroethene	42	0.058	ND (0.0075)	ND (0.0058) U)	ND (0.0056) U)	ND (0.0062) (0)	ND (0.0062)	ND (0.0065)	ND (0.0073)	ND (0.0082)	ND (0.0056)	ND (0.0071) ND (0.0071)	ND (0.067)	ND (0.063)	ND (0.0054)	ND (0.062) ND (0.062)	ND (0.0057) (0)	ND (0.57) ND (0.57)	ND (0.0061) U)	ND (0.0065)	ND (0.0064) U)
1,1-Dichloropropene	*	*	ND (0.0075)	ND (0.0058)	ND (0.0056) UJ	ND (0.0062)	ND (0.0062)	ND (0.0065)	ND (0.0073)	ND (0.0082)	ND (0.0056)	ND (0.0071)	ND (0.067)	ND (0.063)	ND (0.0054)	ND (0.062)	ND (0.0057) UJ	ND (0.57)	ND (0.0061) UJ	ND (0.0065) UJ	ND (0.0064)
1,2,3-Trichlorobenzene	*	*	ND (0.03)	ND (0.024)	ND (0.023)	ND (0.025)	ND (0.025)	ND (0.026)	ND (0.029)	ND (0.033)	ND (0.023)	ND (0.029)	ND (0.27)	ND (0.26)	ND (0.022)	ND (0.25)	ND (0.023)	ND (2.3)	ND (0.025)	ND (0.026)	ND (0.026)
1,2,3-Trichloropropane 1,2,4-Trichlorobenzene	77	5.3	ND (0.0075) ND (0.03)	ND (0.0058) ND (0.024)	ND (0.0056) ND (0.023)	ND (0.0062) ND (0.025)	ND (0.0062) ND (0.025)	ND (0.0065) ND (0.026)	ND (0.0073) ND (0.029)	ND (0.0082) ND (0.033)	ND (0.0056) ND (0.023)	ND (0.0071) ND (0.029)	ND (0.067) ND (0.27)	ND (0.063) ND (0.26)	ND (0.0054) ND (0.022)	ND (0.062) ND (0.25)	ND (0.0057) ND (0.023)	ND (0.57) ND (2.3)	ND (0.0061) ND (0.025)	ND (0.0065) ND (0.026)	ND (0.0064) ND (0.026)
1,2,4-Trimethylbenzene	170	2.5	ND (0.03)	ND (0.024)	ND (0.023)	ND (0.025)	ND (0.025)	ND (0.026)	ND (0.029)	ND (0.033)	ND (0.023)	ND (0.029)	ND (0.27)	ND (0.26)	ND (0.022)	ND (0.25)	ND (0.023)	2.7 ^b	ND (0.025)	ND (0.026)	ND (0.026)
1,2-Dibromo-3-chloropropane (DBCP)	*	*	ND (0.03)	ND (0.024)	ND (0.023) UI	ND (0.025)	ND (0.025)	ND (0.026)	ND (0.029)	ND (0.033)	ND (0.023)	ND (0.029)	ND (0.27)	ND (0.26)	ND (0.022) UI	ND (0.25)	ND (0.023) UI	ND (2.3)	ND (0.025) UJ	ND (0.026) UI	ND (0.026)
1,2-Dibromoethane (Ethylene Dibromide)	*	*	ND (0.03)	ND (0.024)	ND (0.023) UJ	ND (0.025)	ND (0.025)	ND (0.026)	ND (0.029)	ND (0.033)	ND (0.023)	ND (0.029)	ND (0.27)	ND (0.26)	ND (0.022)	ND (0.25)	ND (0.023) UJ	ND (2.3)	ND (0.025) UJ	ND (0.026) UJ	ND (0.026)
1,2-Dichlorobenzene	220	17	ND (0.0075)	ND (0.0058)	ND (0.0056)	ND (0.0062)	ND (0.0062)	ND (0.0065)	ND (0.0073)	ND (0.0082)	ND (0.0056)	ND (0.0071)	ND (0.067)	0.049 J	ND (0.0054)	ND (0.062)	ND (0.0057)	0.17 J	ND (0.0061)	ND (0.0065)	ND (0.0064)
1,2-Dichloroethane 1,2-Dichloropropane	0.15 0.25	0.024	ND (0.0075) ND (0.0075) UJ	ND (0.0058) ND (0.0058) UJ	ND (0.0056) ND (0.0056) UJ	ND (0.0062) ND (0.0062)	ND (0.0062) ND (0.0062)	ND (0.0065) ND (0.0065)	ND (0.0073) ND (0.0073)	ND (0.0082) ND (0.0082)	ND (0.0056) ND (0.0056)	ND (0.0071) ND (0.0071)	ND (0.067) ND (0.067)	ND (0.063) ND (0.063)	ND (0.0054) ND (0.0054)	ND (0.062) ND (0.062)	ND (0.0057) ND (0.0057) UJ	ND (0.57) ND (0.57)	ND (0.0061) ND (0.0061) UJ	ND (0.0065) ND (0.0065) UJ	ND (0.0064) ND (0.0064)
1,3,5-Trimethylbenzene	68	0.61	ND (0.03)	ND (0.024)	ND (0.023)	ND (0.025)	ND (0.025)	ND (0.026)	ND (0.029)	ND (0.033)	ND (0.023)	ND (0.029)	ND (0.27)	ND (0.26)	ND (0.022)	ND (0.25)	ND (0.023)	0.99 J ^b	ND (0.025)	ND (0.026)	ND (0.026)
1,3-Dichlorobenzene	2.7	0.01	ND (0.0075)	ND (0.0058)	ND (0.0056)	ND (0.0062)	ND (0.0062)	ND (0.0065)	ND (0.0073)	ND (0.0082)	ND (0.0056)	ND (0.0071)	ND (0.067)	ND (0.26)	ND (0.0054)	ND (0.23)	ND (0.0057)	ND (0.57)	ND (0.0061)	ND (0.0065)	ND (0.0064)
1,3-Dichloropropane	*	*	ND (0.0075)	ND (0.0058)	ND (0.0056)	ND (0.0062)	ND (0.0062)	ND (0.0065)	ND (0.0073)	ND (0.0082)	ND (0.0056)	ND (0.0071)	ND (0.067)	ND (0.063)	ND (0.0054)	ND (0.062)	ND (0.0057)	ND (0.57)	ND (0.0061)	ND (0.0065)	ND (0.0064)
1,4-Dichlorobenzene	3.4	2.2	ND (0.0075)	ND (0.0058)	ND (0.0056)	ND (0.0062)	ND (0.0062)	ND (0.0065)	ND (0.0073)	ND (0.0082)	ND (0.0056)	ND (0.0071)	ND (0.067)	ND (0.063)	ND (0.0054)	ND (0.062)	ND (0.0057)	ND (0.57)	ND (0.0061)	ND (0.0065)	ND (0.0064)
2,2-Dichloropropane 2-Butanone (Methyl Ethyl Ketone)	250	35	ND (0.0075) ND (0.03) UI	ND (0.0058) ND (0.024) UJ	ND (0.0056) ND (0.023) UJ	ND (0.0062) ND (0.025)	ND (0.0062) ND (0.025)	ND (0.0065) ND (0.026)	ND (0.0073) ND (0.029) UJ	ND (0.0082) ND (0.033)	ND (0.0056) ND (0.023)	ND (0.0071) ND (0.029)	ND (0.067) ND (2.7)	ND (0.063) ND (2.6)	ND (0.0054) ND (0.022) UJ	ND (0.062) ND (2.5) UJ	ND (0.0057) ND (0.023) UJ	ND (0.57) ND (23)	ND (0.0061) ND (0.025) UJ	ND (0.0065) ND (0.026) UJ	ND (0.0064) ND (0.026)
2-Chlorotoluene	*	*	ND (0.03)	ND (0.024) C)	ND (0.023)	ND (0.025)	ND (0.025)	ND (0.026)	ND (0.029)	ND (0.033)	ND (0.023)	ND (0.029)	ND (0.27)	ND (0.26)	ND (0.022)	ND (0.25)	ND (0.023) ND (0.023)	ND (2.3)	ND (0.025)	ND (0.026)	ND (0.026)
2-Hexanone	*	*	ND (0.03)	ND (0.024)	ND (0.023) UJ	ND (0.025)	ND (0.025) UJ	ND (0.026)	ND (0.029)	ND (0.033)	ND (0.023)	ND (0.029)	ND (2.7)	ND (2.6)	ND (0.022) UJ	ND (2.5)	ND (0.023) UJ	ND (23) UJ	ND (0.025) UJ	ND (0.026) UJ	ND (0.026)
2-Phenylbutane (sec-Butylbenzene)	*	*	ND (0.03)	ND (0.024)	ND (0.023)	ND (0.025)	ND (0.025)	ND (0.026)	ND (0.029)	ND (0.033)	ND (0.023)	ND (0.029)	ND (0.27)	ND (0.26)	ND (0.022)	ND (0.25)	ND (0.023)	0.37 J	ND (0.025)	ND (0.026)	ND (0.026)
4-Chlorotoluene 4-Methyl-2-Pentanone	*	*	ND (0.03)	ND (0.024)	ND (0.023)	ND (0.025)	ND (0.025)	ND (0.026)	ND (0.029)	ND (0.033)	ND (0.023)	ND (0.029)	ND (0.27)	ND (0.26)	ND (0.022)	ND (0.25)	ND (0.023)	ND (2.3)	ND (0.025)	ND (0.026)	ND (0.026)
(Methyl Isobutyl Ketone)	75	20	ND (0.03)	ND (0.024)	ND (0.023)	ND (0.025)	ND (0.025)	ND (0.026)	ND (0.029)	ND (0.033)	ND (0.023)	ND (0.029)	ND (2.7)	ND (2.6)	ND (0.022)	ND (2.5)	ND (0.023)	ND (23)	ND (0.025)	ND (0.026)	ND (0.026)
Acetone	370	3.8	ND (0.075) UJ	ND (0.058) UJ	ND (0.056) UJ	ND (0.062) UJ	ND (0.062)	ND (0.065) UJ	ND (0.073) UJ	ND (0.082) UJ	ND (0.056) UJ	ND (0.071) UJ	ND (2.7)	ND (2.6)	ND (0.054) UJ	ND (2.5)	ND (0.057) UJ	2.9 J	ND (0.061) UJ	ND (0.065) UJ	ND (0.064) UJ
Benzene	0.35	0.034	ND (0.0075)	ND (0.0058)	ND (0.0056)	ND (0.0062)	ND (0.0062)	ND (0.0065)	ND (0.0073)	ND (0.0082)	ND (0.0056)	ND (0.0071)	ND (0.067)	ND (0.063)	ND (0.0054)	ND (0.062)	ND (0.0057)	ND (0.57)	ND (0.0061)	ND (0.0065)	ND (0.0064)
Bromobenzene Bromodichloromethane	0.51	0.51	ND (0.0075) ND (0.0075)	ND (0.0058) ND (0.0058)	ND (0.0056) ND (0.0056)	ND (0.0062) ND (0.0062)	ND (0.0062) ND (0.0062)	ND (0.0065) ND (0.0065)	ND (0.0073) ND (0.0073)	ND (0.0082) ND (0.0082)	ND (0.0056) ND (0.0056)	ND (0.0071) ND (0.0071)	ND (0.27) ND (0.067)	ND (0.26) ND (0.063)	ND (0.0054) ND (0.0054)	ND (0.25) ND (0.062)	ND (0.0057) ND (0.0057)	ND (2.3) ND (0.57)	ND (0.0061) ND (0.0061)	ND (0.0065) ND (0.0065)	ND (0.0064) ND (0.0064)
Bromoform	2.7	0.6	ND (0.0075) UJ	ND (0.0058) UJ	ND (0.0056) UJ	ND (0.0062) UJ	ND (0.0062)	ND (0.0065) UJ	ND (0.0073) UJ	ND (0.0082) UJ	ND (0.0056) UJ	ND (0.0071) UJ	ND (0.067)	ND (0.063)	ND (0.0054) UJ	ND (0.062)	ND (0.0057) UJ	ND (0.57)	ND (0.0061) UJ	ND (0.0065) UJ	ND (0.0064) UJ
Bromomethane (Methyl Bromide)	0.7	0.052	ND (0.0075) UJ	ND (0.0058) UJ	ND (0.0056) UJ	ND (0.0062) UJ	ND (0.0062) UJ	ND (0.0065) UJ	ND (0.0073) UJ	ND (0.0082) UJ	ND (0.0056) UJ	ND (0.0071) UJ	ND (0.067)	ND (0.063)	ND (0.0054) UJ	ND (0.062)	ND (0.0057) UJ	ND (0.57)	ND (0.0061) UJ	ND (0.0065) UJ	ND (0.0064) UJ
Carbon disulfide	82	10	ND (0.0075)	ND (0.0058)	ND (0.0056)	ND (0.0062)	ND (0.0062)	ND (0.0065)	ND (0.0073)	ND (0.0082)	ND (0.0056)	ND (0.0071)	ND (0.067)	ND (0.063)	ND (0.0054)	ND (0.062)	ND (0.0057)	ND (0.57)	ND (0.0061)	ND (0.0065)	ND (0.0064)
Carbon tetrachloride Chlorobenzene	0.29 27	0.066	ND (0.0075) ND (0.0075)	ND (0.0058) ND (0.0058)	ND (0.0056) ND (0.0056)	ND (0.0062) ND (0.0062)	ND (0.0062) ND (0.0062)	ND (0.0065) ND (0.0065)	ND (0.0073) ND (0.0073)	ND (0.0082) ND (0.0082)	ND (0.0056) ND (0.0056)	ND (0.0071) ND (0.0071)	ND (0.067) UJ ND (0.067)	ND (0.063) UJ ND (0.063)	ND (0.0054) ND (0.0054)	ND (0.062) UJ ND (0.062)	ND (0.0057) ND (0.0057)	ND (0.57) ND (0.57)	ND (0.0061) ND (0.0061)	ND (0.0065) ND (0.0065)	ND (0.0064) ND (0.0064)
Chlorobromomethane	*	*	ND (0.0075)	ND (0.0058)	ND (0.0056)	ND (0.0062)	ND (0.0062)	ND (0.0065)	ND (0.0073)	ND (0.0082)	ND (0.0056)	ND (0.0071)	ND (0.067)	ND (0.063)	ND (0.0054)	ND (0.062)	ND (0.0057)	ND (0.57)	ND (0.0061)	ND (0.0065)	ND (0.0064)
Chloroethane	10	0.65	ND (0.0075)	ND (0.0058)	ND (0.0056)	ND (0.0062)	ND (0.0062)	ND (0.0065)	ND (0.0073)	ND (0.0082)	ND (0.0056)	ND (0.0071)	ND (0.067)	ND (0.063)	ND (0.0054)	ND (0.062)	ND (0.0057)	ND (0.57)	ND (0.0061)	ND (0.0065)	ND (0.0064)
Chloroform (Trichloromethane) Chloromethane (Methyl Chloride)	1.2	0.47	ND (0.0075) ND (0.0075)	ND (0.0058)	ND (0.0056)	ND (0.0062) ND (0.0062)	ND (0.0062)	ND (0.0065)	ND (0.0073) ND (0.0073)	ND (0.0082)	ND (0.0056)	ND (0.0071) ND (0.0071)	ND (0.067)	ND (0.063)	ND (0.0054) ND (0.0054)	ND (0.062)	ND (0.0057)	ND (0.57)	ND (0.0061) ND (0.0061)	ND (0.0065)	ND (0.0064) ND (0.0064)
cis-1.2-Dichloroethene	5.8	0.4	ND (0.0075)	ND (0.0058) ND (0.0058)	ND (0.0056) ND (0.0056)	ND (0.0062) ND (0.0062)	ND (0.0062) ND (0.0062)	ND (0.0065) ND (0.0065)	ND (0.0073) ND (0.0073)	ND (0.0082) ND (0.0082)	ND (0.0056) ND (0.0056)	ND (0.0071) ND (0.0071)	ND (0.067) ND (0.067)	ND (0.063) ND (0.063)	ND (0.0054) ND (0.0054)	ND (0.062) ND (0.062)	ND (0.0057) ND (0.0057)	ND (0.57) UJ 2.2 ^b	ND (0.0061) ND (0.0061)	ND (0.0065) ND (0.0065)	ND (0.0064) ND (0.0064)
cis-1,2-Dichloropropene	*	*	ND (0.0075)	ND (0.0058)	ND (0.0056) UJ	ND (0.0062)	ND (0.0062) ND (0.0062) UJ	ND (0.0065)	ND (0.0073)	ND (0.0082)	ND (0.0056)	ND (0.0071) ND (0.0071)	ND (0.067)	ND (0.063)	ND (0.0054)	ND (0.062)	ND (0.0057) ND (0.0057) UJ	ND (0.57)	ND (0.0061) ND (0.0061) UI	ND (0.0065) UJ	ND (0.0064) ND (0.0064)
Cymene (p-Isopropyltoluene)	*	*	ND (0.03)	ND (0.024)	ND (0.023)	ND (0.025)	ND (0.025) UJ	ND (0.026)	ND (0.029)	ND (0.033)	ND (0.023)	ND (0.029)	ND (0.27)	ND (0.26)	ND (0.022)	ND (0.25)	ND (0.023)	0.41 J	ND (0.025)	ND (0.026)	ND (0.026)
Dibromochloromethane	*	*	ND (0.0075)	ND (0.0058)	ND (0.0056)	ND (0.0062)	ND (0.0062)	ND (0.0065)	ND (0.0073)	ND (0.0082)	ND (0.0056)	ND (0.0071)	ND (0.067)	ND (0.063)	ND (0.0054)	ND (0.062)	ND (0.0057)	ND (0.57)	ND (0.0061)	ND (0.0065)	ND (0.0064)
Dibromomethane Dichlorodifluoromethane (CFC-12)	*	*	ND (0.0075) ND (0.0075)	ND (0.0058) ND (0.0058)	ND (0.0056) ND (0.0056)	ND (0.0062) ND (0.0062)	ND (0.0062) ND (0.0062)	ND (0.0065) ND (0.0065)	ND (0.0073) ND (0.0073)	ND (0.0082) ND (0.0082)	ND (0.0056) ND (0.0056)	ND (0.0071) ND (0.0071)	ND (0.067) ND (0.067)	ND (0.063) ND (0.063)	ND (0.0054) ND (0.0054)	ND (0.062) ND (0.062)	ND (0.0057) ND (0.0057)	ND (0.57) ND (0.57)	ND (0.0061) ND (0.0061)	ND (0.0065) ND (0.0065)	ND (0.0064) ND (0.0064)
Ethylbenzene	160	13	ND (0.0075)	ND (0.0058)	ND (0.0056)	ND (0.0062)	ND (0.0062)	ND (0.0065)	ND (0.0073)	ND (0.0082)	ND (0.0056)	ND (0.0071) ND (0.0071)	ND (0.067)	ND (0.063)	ND (0.0054)	ND (0.062)	ND (0.0057)	0.30 [ND (0.0061) ND (0.0061)	ND (0.0065)	ND (0.0064) ND (0.0064)
Hexachlorobutadiene	44	16	ND (0.03)	ND (0.024)	ND (0.023)	ND (0.025)	ND (0.025)	ND (0.026)	ND (0.029)	ND (0.033)	ND (0.023)	ND (0.029)	ND (0.27)	ND (0.26)	ND (0.022)	ND (0.25)	ND (0.023)	ND (2.3)	ND (0.025)	ND (0.026)	ND (0.026)
Isopropylbenzene	*	*	ND (0.03)	ND (0.024)	ND (0.023)	ND (0.025)	ND (0.025)	ND (0.026)	ND (0.029)	ND (0.033)	ND (0.023)	ND (0.029)	ND (0.27)	ND (0.26)	ND (0.022)	ND (0.25)	ND (0.023)	0.11 J	ND (0.025)	ND (0.026)	ND (0.026)
m&p-Xylene	*	*	ND (0.0075) UJ	ND (0.0058) UJ	ND (0.0056) UJ	ND (0.0062) UJ	ND (0.0062)	ND (0.0065) UJ	ND (0.0073) UJ	ND (0.0082) UJ	ND (0.0056) UJ	ND (0.0071) UJ	ND (0.067)	ND (0.063)	ND (0.0054) UJ	ND (0.062)	ND (0.0057) UJ	0.87	ND (0.0061) UJ	ND (0.0065) UJ	ND (0.0064) UJ
Methylene chloride	1.8	0.023	ND (0.015)	0.0014 J	0.0023 J	0.014	ND (0.013)	ND (0.013)	ND (0.015)	ND (0.017)	ND (0.012)	ND (0.015)	ND (0.27)	ND (0.26)	0.0042 J	ND (0.25)	0.0026 J	ND (2.3)	0.0023 J	0.0025 J	0.017
Naphthalene n-Butylbenzene	170	U./ *	ND (0.03) ND (0.03)	ND (0.024) ND (0.024)	ND (0.023) ND (0.023)	ND (0.025) ND (0.025)	ND (0.025) ND (0.025) UJ	ND (0.026) ND (0.026)	ND (0.029) ND (0.029)	ND (0.033) ND (0.033)	ND (0.023) ND (0.023)	ND (0.029) ND (0.029)	ND (0.27) UJ ND (0.27)	ND (0.26) UJ ND (0.26)	ND (0.022) UJ ND (0.022)	ND (0.25) ND (0.25)	ND (0.023) UJ ND (0.023)	1.5 J ^b 0.89 I	ND (0.025) UJ ND (0.025)	ND (0.026) UJ ND (0.026)	ND (0.026) ND (0.026)
n-Propylbenzene	*	*	ND (0.03)	ND (0.024)	ND (0.023)	ND (0.025)	ND (0.025)	ND (0.026)	ND (0.029)	ND (0.033)	ND (0.023)	ND (0.029)	ND (0.27)	ND (0.26)	ND (0.022)	ND (0.25)	ND (0.023)	0.35 J	ND (0.025)	ND (0.026)	ND (0.026)
o-Xylene	*	*	ND (0.0075) UJ	ND (0.0058) UJ	ND (0.0056) UJ	ND (0.0062) UJ	ND (0.0062)	ND (0.0065) UJ	ND (0.0073) UJ	ND (0.0082) UJ	ND (0.0056) UJ	ND (0.0071) UJ	ND (0.067)	ND (0.063)	ND (0.0054) UJ	ND (0.062)	ND (0.0057) UJ	0.68	ND (0.0061) UJ	ND (0.0065) UJ	ND (0.0064) UJ
Styrene	550	3.5	ND (0.0075) UJ	ND (0.0058) UJ	ND (0.0056) UJ	ND (0.0062) UJ	ND (0.0062)	ND (0.0065) UJ	ND (0.0073) UJ	ND (0.0082) UJ	ND (0.0056) UJ	ND (0.0071) UJ	ND (0.067)	ND (0.063)	ND (0.0054) UJ	ND (0.062)	ND (0.0057) UJ	0.12 J	ND (0.0061) UJ	ND (0.0065) UJ	ND (0.0064) UJ
tert-Butylbenzene Tetrachloroethene	0.64	0.058	ND (0.03) 0.28 ^b	ND (0.024) ND (0.0058)	ND (0.023) 0.057	ND (0.025) 0.0018 I	ND (0.025) 0.0015 J	ND (0.026) 0.027	ND (0.029) 0.055	ND (0.033) 0.039	ND (0.023) 0.046	ND (0.029) 0.038	ND (0.27) 5.5 ^{ab}	ND (0.26) 12 ^{ab}	ND (0.022) 0.029	ND (0.25) 2.5 ^{ab}	ND (0.023) 0.018	ND (2.3) 840 ^{ab}	ND (0.025) ND (0.0061)	ND (0.026) 0.0023 J	ND (0.026) 0.021
Toluene	240	12	0.28 ND (0.0075)	ND (0.0058)	ND (0.0056)	ND (0.0062)	ND (0.0062)	ND (0.0065)	ND (0.0073)	ND (0.0082)	ND (0.0056)	0.038 ND (0.0071)	ND (0.067)	ND (0.063)	ND (0.0054)	ND (0.062)	0.018 ND (0.0057)	1.1	ND (0.0061) ND (0.0061)	ND (0.0065)	0.021 ND (0.0064)
trans-1,2-Dichloroethene	14	0.68	ND (0.0075)	ND (0.0058)	ND (0.0056)	ND (0.0062)	ND (0.0062)	ND (0.0065)	ND (0.0073)	ND (0.0082)	ND (0.0056)	ND (0.0071)	ND (0.067)	ND (0.063)	ND (0.0054)	ND (0.062)	ND (0.0057)	ND (0.57)	ND (0.0061)	ND (0.0065)	ND (0.0064)
trans-1,3-Dichloropropene	*	*	ND (0.0075)	ND (0.0058)	ND (0.0056)	ND (0.0062)	ND (0.0062)	ND (0.0065)	ND (0.0073)	ND (0.0082)	ND (0.0056)	ND (0.0071)	ND (0.067)	ND (0.063)	ND (0.0054)	ND (0.062)	ND (0.0057)	ND (0.57)	ND (0.0061)	ND (0.0065)	ND (0.0064)
Trichloroethene	0.082	0.057	0.035	ND (0.0058) UJ	ND (0.0056)	ND (0.0062)	ND (0.0062)	0.0012 J	0.0041 J	0.0021 J	ND (0.0056)	ND (0.0071)	ND (0.067)	0.063 J ^b	0.0023 J	0.15 ^{ab}	ND (0.0057)	64 ^{ab}	ND (0.0061)	ND (0.0065)	ND (0.0064)
Trichlorofluoromethane (CFC-11) Vinyl chloride	0.013	0.013	ND (0.0075) UJ ND (0.0075)	ND (0.0058) ND (0.0058)	ND (0.0056) UJ ND (0.0056)	ND (0.0062) ND (0.0062)	ND (0.0062) ND (0.0062)	ND (0.0065) ND (0.0065)	ND (0.0073) ND (0.0073)	ND (0.0082) ND (0.0082)	ND (0.0056) ND (0.0056)	ND (0.0071) ND (0.0071)	ND (0.067) UJ ND (0.067)	ND (0.063) UJ ND (0.063)	ND (0.0054) UJ ND (0.0054)	ND (0.062) UJ ND (0.062)	ND (0.0057) UJ ND (0.0057)	ND (0.57) ND (0.57)	ND (0.0061) UJ ND (0.0061)	ND (0.0065) UJ ND (0.0065)	ND (0.0064) UJ ND (0.0064)
vinyi cinoriue	0.013	0.013	1412 (0.0073)	1412 (0.0036)	1412 (0.0030)	110 (0.0002)	1412 (0.0002)	110 (0.0003)	1412 (0.0073)	110 (0.0002)	1412 (0.0030)	1112 (0.0071)	1417 (0.007)	1412 (0.003)	1112 (0.0034)	110 (0.002)	1412 (0.0037)	140 (0.57)	ND (0.0001)	1412 (0.0003)	ND (0.0004)

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Sample Location:			B-150	B-151	B-152	B-152	B-152	B-153	B-153	B-153	B-154	B-155	B-156	B-158	B-159	B-159	B-159	B-160	B-161	B-161	B-162
Sample ID:	IDEM	IDEM	S-082803-MG-147	S-090403-MG-177	S-091503-MG-261	S-091503-MG-262	S-091503-MG-263	S-091503-MG-258	S-091503-MG-259	S-091503-MG-260	S-091203-MG-251	S-091503-MG-255	S-091003-MG-220	S-090403-MG-173	S-091203-MG-247	S-091203-MG-248	S-091203-MG-249	S-091203-MG-244	S-091103-MG-241	S-091103-MG-242	S-091003-MG-224
Sample Date:	RISC	RISC RDCL	8/28/2003	9/4/2003	9/15/2003	9/15/2003	9/15/2003	9/15/2003	9/15/2003	9/15/2003	9/12/2003	9/15/2003	9/10/2003	9/4/2003	9/12/2003	9/12/2003	9/12/2003	9/12/2003	9/11/2003	9/11/2003	9/10/2003
Sample Depth:	IDCL a	b kDCL	4-6 ft BGS	4-6 ft BGS	0.5-1 ft BGS	6-8 ft BGS	6-8 ft BGS Duplicate	0.5-1 ft BGS	4-6 ft BGS	8-10 ft BGS	0.5-1 ft BGS	0.5-1 ft BGS	8-10 ft BGS	2-4 ft BGS	0.5-1 ft BGS	4-6 ft BGS	4-6 ft BGS Duplicate	0.5-1 ft BGS	0.5-1.5 ft BGS	6-8 ft BGS	0.5-1 ft BGS
							,										•				
Volatile Organic Compounds (mg/kg) 1,1,2-Tetrachloroethane	0.85	0.053	ND (0.0082)	ND (0.0071) UJ	ND (0.0061) UI	ND (0.069)	ND (0.071)	ND (0.0079) UJ	ND (0.065)	ND (0.060)	ND (0.0056) UJ	ND (0.0066) UI	ND (0.0063) UI	ND (0.0085) UJ	ND (0.065)	ND (0.0062) UJ	ND (0.0073) UJ	ND (0.056)	ND (0.0061) UJ	ND (0.0071) UJ	ND (0.0058) UI
1,1,1-Trichloroethane	280	1.9	ND (0.0082)	ND (0.0071)	ND (0.0061)	ND (0.069)	ND (0.071)	ND (0.0079) UJ	ND (0.065)	ND (0.060)	ND (0.0056)	ND (0.0066)	ND (0.0063)	ND (0.0085)	ND (0.065)	ND (0.0062)	ND (0.0073)	ND (0.056)	ND (0.0061)	ND (0.0071) UJ	ND (0.0058)
1,1,2,2-Tetrachloroethane	0.11	0.007	ND (0.0082)	ND (0.0071)	ND (0.0061)	ND (0.069)	ND (0.071)	ND (0.0079) UJ	ND (0.065)	ND (0.060)	ND (0.0056)	ND (0.0066)	ND (0.0063)	ND (0.0085)	ND (0.065)	ND (0.0062)	ND (0.0073)	ND (0.056)	ND (0.0061)	ND (0.0071) UJ	ND (0.0058)
1,1,2-Trichloroethane	0.3 58	0.03	ND (0.0082)	ND (0.0071)	ND (0.0061)	ND (0.069)	ND (0.071)	ND (0.0079) UJ	ND (0.065)	ND (0.060)	ND (0.0056)	ND (0.0066)	ND (0.0063)	ND (0.0085)	ND (0.065)	ND (0.0062)	ND (0.0073)	ND (0.056)	ND (0.0061)	ND (0.0071) UJ	ND (0.0058)
1,1-Dichloroethane 1,1-Dichloroethene	58 42	0.058	ND (0.0082) ND (0.0082)	ND (0.0071) ND (0.0071)	ND (0.0061) ND (0.0061)	ND (0.069) ND (0.069)	ND (0.071) ND (0.071)	ND (0.0079) UJ ND (0.0079) UI	ND (0.065) ND (0.065)	ND (0.060) ND (0.060)	ND (0.0056) ND (0.0056)	ND (0.0066) ND (0.0066)	ND (0.0063) ND (0.0063)	ND (0.0085) ND (0.0085)	ND (0.065) ND (0.065)	ND (0.0062) ND (0.0062)	ND (0.0073) ND (0.0073)	ND (0.056) ND (0.056)	ND (0.0061) UJ ND (0.0061)	ND (0.0071) UJ ND (0.0071) UI	ND (0.0058) ND (0.0058)
1,1-Dichloropropene	*	*	ND (0.0082)	ND (0.0071)	ND (0.0061)	ND (0.069)	ND (0.071)	ND (0.0079) UJ	ND (0.065)	ND (0.060)	ND (0.0056)	ND (0.0066)	ND (0.0063)	ND (0.0085)	ND (0.065)	ND (0.0062)	ND (0.0073)	ND (0.056)	ND (0.0061)	ND (0.0071) UJ	ND (0.0058)
1,2,3-Trichlorobenzene	*	*	ND (0.033)	ND (0.029)	ND (0.025)	ND (0.28)	ND (0.29)	ND (0.032) UJ	ND (0.26)	ND (0.24)	ND (0.023)	ND (0.027)	ND (0.025)	ND (0.034)	ND (0.26) UJ	ND (0.025)	ND (0.029)	ND (0.23) UJ	ND (0.025)	ND (0.029) UJ	ND (0.024)
1,2,3-Trichloropropane 1,2,4-Trichlorobenzene	* 77	5.3	ND (0.0082) ND (0.033)	ND (0.0071)	ND (0.0061)	ND (0.069)	ND (0.071)	ND (0.0079) UJ	ND (0.065)	ND (0.060)	ND (0.0056)	ND (0.0066)	ND (0.0063)	ND (0.0085)	ND (0.065)	ND (0.0062)	ND (0.0073)	ND (0.056)	ND (0.0061)	ND (0.0071) UJ	ND (0.0058)
,,	170	2.5	ND (0.033) ND (0.033)	ND (0.029) ND (0.029)	ND (0.025) ND (0.025)	ND (0.28)	ND (0.29) ND (0.29)	ND (0.032) UJ ND (0.032) UJ	ND (0.26) ND (0.26)	ND (0.24) ND (0.24)	ND (0.023) ND (0.023)	ND (0.027) ND (0.027)	ND (0.025) ND (0.025)	ND (0.034) ND (0.034)	ND (0.26) UJ	ND (0.025) ND (0.025)	ND (0.029) ND (0.029)	ND (0.23) UJ	ND (0.025)	ND (0.029) UJ ND (0.029) UJ	ND (0.024) ND (0.024)
1,2,4-Trimethylbenzene 1,2-Dibromo-3-chloropropane (DBCP)	*	2.3 *	ND (0.033)	ND (0.029)	ND (0.025) ND (0.025) UJ	ND (0.28) ND (0.28)	ND (0.29)	ND (0.032) UJ	ND (0.26)	ND (0.24) ND (0.24)	ND (0.023)	ND (0.027) ND (0.027) UJ	ND (0.025)	ND (0.034) ND (0.034)	ND (0.26) ND (0.26)	ND (0.025)	ND (0.029) ND (0.029)	ND (0.23) ND (0.23)	ND (0.025) ND (0.025)	ND (0.029) UJ	ND (0.024) ND (0.024)
1,2-Dibromoethane (Ethylene Dibromide)	*	*	ND (0.033)	ND (0.029)	ND (0.025)	ND (0.28)	ND (0.29)	ND (0.032) UJ	ND (0.26)	ND (0.24)	ND (0.023)	ND (0.027)	ND (0.025)	ND (0.034)	ND (0.26)	ND (0.025)	ND (0.029)	ND (0.23)	ND (0.025)	ND (0.029) UJ	ND (0.024)
1,2-Dichlorobenzene	220	17	ND (0.0082)	ND (0.0071)	ND (0.0061)	ND (0.069)	ND (0.071)	ND (0.0079) UJ	ND (0.065)	ND (0.060)	ND (0.0056)	ND (0.0066)	ND (0.0063)	ND (0.0085)	ND (0.065)	ND (0.0062)	ND (0.0073)	ND (0.056)	ND (0.0061)	ND (0.0071) UJ	ND (0.0058)
1,2-Dichloroethane	0.15 0.25	0.024	ND (0.0082) ND (0.0082)	ND (0.0071) ND (0.0071)	ND (0.0061)	ND (0.069)	ND (0.071)	ND (0.0079) UJ	ND (0.065) ND (0.065)	ND (0.060)	ND (0.0056)	ND (0.0066) ND (0.0066)	ND (0.0063) ND (0.0063)	ND (0.0085)	ND (0.065) ND (0.065)	ND (0.0062)	ND (0.0073) ND (0.0073)	ND (0.056)	ND (0.0061) ND (0.0061) UJ	ND (0.0071) UJ	ND (0.0058) ND (0.0058)
1,2-Dichloropropane 1,3,5-Trimethylbenzene	68	0.61	ND (0.0082)	ND (0.029)	ND (0.0061) ND (0.025)	ND (0.069) ND (0.28)	ND (0.071) ND (0.29)	ND (0.0079) UJ ND (0.032) UJ	ND (0.063)	ND (0.060) ND (0.24)	ND (0.0056) ND (0.023)	ND (0.0066) ND (0.027)	ND (0.0063) ND (0.025)	ND (0.0085) ND (0.034)	ND (0.063) ND (0.26)	ND (0.0062) ND (0.025)	ND (0.029)	ND (0.056) ND (0.23)	ND (0.0081) (0)	ND (0.0071) UJ ND (0.029) UJ	ND (0.0038) ND (0.024)
1,3-Dichlorobenzene	2.7	0.61	ND (0.033) ND (0.0082)	ND (0.029) ND (0.0071)	ND (0.025) ND (0.0061)	ND (0.28) ND (0.069)	ND (0.29) ND (0.071)	ND (0.032) UJ ND (0.0079) UJ	ND (0.26) ND (0.065)	ND (0.24) ND (0.060)	ND (0.023) ND (0.0056)	ND (0.027) ND (0.0066)	ND (0.025) ND (0.0063)	ND (0.034) ND (0.0085)	ND (0.26) ND (0.065)	ND (0.025) ND (0.0062)	ND (0.029) ND (0.0073)	ND (0.23) ND (0.056)	ND (0.025) ND (0.0061)	ND (0.029) UJ ND (0.0071) UJ	ND (0.024) ND (0.0058)
1,3-Dichloropropane	*	*	ND (0.0082)	ND (0.0071)	ND (0.0061)	ND (0.069)	ND (0.071)	ND (0.0079) UJ	ND (0.065)	ND (0.060)	ND (0.0056)	ND (0.0066)	ND (0.0063)	ND (0.0085)	ND (0.065)	ND (0.0062)	ND (0.0073)	ND (0.056)	ND (0.0061)	ND (0.0071) UJ	ND (0.0058)
1,4-Dichlorobenzene	3.4	2.2	ND (0.0082)	ND (0.0071)	ND (0.0061)	ND (0.069)	ND (0.071)	ND (0.0079) UJ	ND (0.065)	ND (0.060)	ND (0.0056)	ND (0.0066)	ND (0.0063)	ND (0.0085)	ND (0.065)	ND (0.0062)	ND (0.0073)	ND (0.056)	ND (0.0061)	ND (0.0071) UJ	ND (0.0058)
2,2-Dichloropropane 2-Butanone (Methyl Ethyl Ketone)	250	35	ND (0.0082) ND (0.033)	ND (0.0071) ND (0.029)	ND (0.0061) ND (0.025) UJ	ND (0.069) ND (2.8)	ND (0.071) ND (2.9)	ND (0.0079) UJ ND (0.032) UJ	ND (0.065) ND (2.6)	ND (0.060) ND (2.4)	ND (0.0056) ND (0.023)	ND (0.0066) ND (0.027) UJ	ND (0.0063) ND (0.025)	ND (0.0085) ND (0.034)	ND (0.065) UJ ND (2.6)	ND (0.0062) ND (0.025)	ND (0.0073) ND (0.029)	ND (0.056) UJ ND (2.3)	ND (0.0061) ND (0.025)	ND (0.0071) UJ ND (0.029) UJ	ND (0.0058) ND (0.024)
2-Butanone (Metnyi Etnyi Ketone) 2-Chlorotoluene	250	35	ND (0.033)	ND (0.029) ND (0.029)	ND (0.025) UJ ND (0.025)	ND (2.8) ND (0.28)	ND (2.9) ND (0.29)	ND (0.032) UJ ND (0.032) UJ	ND (2.6) ND (0.26)	ND (2.4) ND (0.24)	ND (0.023) ND (0.023)	ND (0.027) UJ ND (0.027)	ND (0.025) ND (0.025)	ND (0.034) ND (0.034)	ND (2.6) ND (0.26)	ND (0.025) ND (0.025)	ND (0.029) ND (0.029)	ND (2.3) ND (0.23)	ND (0.025) ND (0.025)	ND (0.029) UJ ND (0.029) UJ	ND (0.024) ND (0.024)
2-Hexanone	*	*	ND (0.033) UJ	ND (0.029)	ND (0.025) UJ	ND (2.8)	ND (2.9)	ND (0.032) UJ	ND (2.6)	ND (2.4)	ND (0.023)	ND (0.027) UJ	ND (0.025)	ND (0.034)	ND (2.6)	ND (0.025)	ND (0.029)	ND (2.3)	ND (0.025)	ND (0.029) UJ	ND (0.024)
2-Phenylbutane (sec-Butylbenzene)	*	*	ND (0.033)	ND (0.029)	ND (0.025)	ND (0.28)	ND (0.29)	ND (0.032) UJ	ND (0.26)	ND (0.24)	ND (0.023)	ND (0.027)	ND (0.025)	ND (0.034)	ND (0.26)	ND (0.025)	ND (0.029)	ND (0.23)	ND (0.025)	ND (0.029) UJ	ND (0.024)
4-Chlorotoluene	*	*	ND (0.033)	ND (0.029)	ND (0.025)	ND (0.28)	ND (0.29)	ND (0.032) UJ	ND (0.26)	ND (0.24)	ND (0.023)	ND (0.027)	ND (0.025)	ND (0.034)	ND (0.26)	ND (0.025)	ND (0.029)	ND (0.23)	ND (0.025)	ND (0.029) UJ	ND (0.024)
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	75	20	ND (0.033)	ND (0.029)	ND (0.025)	ND (2.8)	ND (2.9)	ND (0.032) UJ	ND (2.6)	ND (2.4)	ND (0.023)	ND (0.027)	ND (0.025)	ND (0.034) UJ	ND (2.6)	ND (0.025)	ND (0.029)	ND (2.3)	ND (0.025)	ND (0.029) UI	ND (0.024)
Acetone	370	3.8	ND (0.082)	ND (0.071) UJ	ND (0.061) UJ	ND (2.8)	ND (2.9)	ND (0.079) UJ	ND (2.6)	ND (2.4)	ND (0.056) UJ	ND (0.066) UJ	ND (0.063) UJ	ND (0.085) UJ	ND (2.6)	ND (0.062) UJ	ND (0.073) UJ	ND (2.3)	ND (0.061) UJ	ND (0.023) UJ	ND (0.058) UJ
Benzene	0.35	0.034	ND (0.0082)	ND (0.0071)	ND (0.0061)	ND (0.069)	ND (0.071)	ND (0.0079) UJ	ND (0.065)	ND (0.060)	ND (0.0056)	ND (0.0066)	ND (0.0063)	ND (0.0085)	ND (0.065)	ND (0.0062)	ND (0.0073)	ND (0.056)	ND (0.0061)	ND (0.0071) UJ	ND (0.0058)
Bromobenzene Bromodichloromethane	0.51	0.51	ND (0.0082) ND (0.0082)	ND (0.0071)	ND (0.0061)	ND (0.28)	ND (0.29)	ND (0.0079) UJ	ND (0.26) ND (0.065)	ND (0.24)	ND (0.0056)	ND (0.0066) ND (0.0066)	ND (0.0063)	ND (0.0085)	ND (0.26) ND (0.065)	ND (0.0062)	ND (0.0073)	ND (0.23) ND (0.056)	ND (0.0061)	ND (0.0071) UJ	ND (0.0058) ND (0.0058)
Bromoform	2.7	0.51	ND (0.0082) ND (0.0082)	ND (0.0071) ND (0.0071) UJ	ND (0.0061) ND (0.0061) UJ	ND (0.069) ND (0.069)	ND (0.071) ND (0.071)	ND (0.0079) UJ ND (0.0079) UJ	ND (0.065)	ND (0.060) ND (0.060)	ND (0.0056) ND (0.0056) UJ	ND (0.0066) ND (0.0066) UJ	ND (0.0063) ND (0.0063) UJ	ND (0.0085) ND (0.0085) UJ	ND (0.065) ND (0.065)	ND (0.0062) ND (0.0062) UJ	ND (0.0073) ND (0.0073) UJ	ND (0.056) ND (0.056)	ND (0.0061) ND (0.0061) UJ	ND (0.0071) UJ ND (0.0071) UJ	ND (0.0058) ND (0.0058) UJ
Bromomethane (Methyl Bromide)	0.7	0.052	ND (0.0082) UJ	ND (0.0071) UJ	ND (0.0061) UJ	ND (0.069)	ND (0.071)	ND (0.0079) UJ	ND (0.065)	ND (0.060)	ND (0.0056) UJ	ND (0.0066) UJ	ND (0.0063) UJ	ND (0.0085) UJ	ND (0.065)	ND (0.0062) UJ	ND (0.0073) UJ	ND (0.056)	ND (0.0061) UJ	ND (0.0071) UJ	ND (0.0058) UJ
Carbon disulfide	82	10	ND (0.0082)	ND (0.0071)	ND (0.0061)	ND (0.069)	ND (0.071)	ND (0.0079) UJ	ND (0.065)	ND (0.060)	ND (0.0056)	ND (0.0066)	ND (0.0063)	ND (0.0085)	ND (0.065)	ND (0.0062)	ND (0.0073)	ND (0.056)	ND (0.0061)	ND (0.0071) UJ	ND (0.0058)
Carbon tetrachloride Chlorobenzene	0.29	0.066	ND (0.0082) ND (0.0082)	ND (0.0071) ND (0.0071)	ND (0.0061) ND (0.0061)	ND (0.069) UJ ND (0.069)	ND (0.071) UJ ND (0.071)	ND (0.0079) UJ ND (0.0079) UJ	ND (0.065) UJ ND (0.065)	ND (0.060) UJ ND (0.060)	ND (0.0056) ND (0.0056)	ND (0.0066) ND (0.0066)	ND (0.0063) ND (0.0063)	ND (0.0085) ND (0.0085)	ND (0.065) ND (0.065)	ND (0.0062) ND (0.0062)	ND (0.0073) ND (0.0073)	ND (0.056) ND (0.056)	ND (0.0061) ND (0.0061)	ND (0.0071) UJ ND (0.0071) UJ	ND (0.0058) ND (0.0058)
Chlorobromomethane	*	1.5	ND (0.0082)	ND (0.0071) ND (0.0071)	ND (0.0061) ND (0.0061)	ND (0.069)	ND (0.071) ND (0.071)	ND (0.0079) UJ	ND (0.065)	ND (0.060) ND (0.060)	ND (0.0056)	ND (0.0066)	ND (0.0063)	ND (0.0085)	ND (0.065)	ND (0.0062)	ND (0.0073)	ND (0.056)	ND (0.0061) ND (0.0061)	ND (0.0071) UJ	ND (0.0058)
Chloroethane	10	0.65	ND (0.0082)	ND (0.0071)	ND (0.0061)	ND (0.069)	ND (0.071)	ND (0.0079) UJ	ND (0.065)	ND (0.060)	ND (0.0056) UJ	ND (0.0066)	ND (0.0063) UJ	ND (0.0085)	ND (0.065)	ND (0.0062) UJ	ND (0.0073) UJ	ND (0.056)	ND (0.0061)	ND (0.0071) UJ	ND (0.0058) UJ
Chloroform (Trichloromethane)	1.2	0.47	ND (0.0082)	ND (0.0071)	ND (0.0061)	ND (0.069)	ND (0.071)	ND (0.0079) UJ	ND (0.065)	ND (0.060)	ND (0.0056)	ND (0.0066)	ND (0.0063)	ND (0.0085)	ND (0.065)	ND (0.0062)	ND (0.0073)	ND (0.056)	ND (0.0061)	ND (0.0071) UJ	ND (0.0058)
Chloromethane (Methyl Chloride)	*	*	ND (0.0082)	ND (0.0071)	ND (0.0061)	ND (0.069)	ND (0.071)	ND (0.0079) UJ	ND (0.065)	ND (0.060)	ND (0.0056)	ND (0.0066)	ND (0.0063)	ND (0.0085)	ND (0.065)	ND (0.0062)	ND (0.0073)	ND (0.056)	ND (0.0061)	ND (0.0071) UJ	ND (0.0058)
cis-1,2-Dichloroethene cis-1,3-Dichloropropene	5.8	0.4	ND (0.0082) ND (0.0082) UJ	ND (0.0071) ND (0.0071)	ND (0.0061) ND (0.0061)	ND (0.069) ND (0.069)	ND (0.071) ND (0.071)	ND (0.0079) UJ ND (0.0079) UJ	ND (0.065) ND (0.065)	ND (0.060) ND (0.060)	ND (0.0056) ND (0.0056)	ND (0.0066) ND (0.0066)	ND (0.0063) ND (0.0063)	ND (0.0085) ND (0.0085)	ND (0.065) ND (0.065)	ND (0.0062) ND (0.0062)	ND (0.0073) ND (0.0073)	ND (0.056) ND (0.056)	ND (0.0061) ND (0.0061)	ND (0.0071) UJ ND (0.0071) UJ	ND (0.0058) ND (0.0058)
Cymene (p-Isopropyltoluene)	*	*	ND (0.0032) UJ	ND (0.029)	ND (0.0051)	ND (0.28)	ND (0.071) ND (0.29)	ND (0.032) UJ	ND (0.26)	ND (0.24)	ND (0.0030)	ND (0.000)	ND (0.003)	ND (0.034)	ND (0.26)	ND (0.0052)	ND (0.029)	ND (0.23)	ND (0.0051)	ND (0.0071) UJ	ND (0.024)
Dibromochloromethane	*	*	ND (0.0082)	ND (0.0071)	ND (0.0061)	ND (0.069)	ND (0.071)	ND (0.0079) UJ	ND (0.065)	ND (0.060)	ND (0.0056)	ND (0.0066)	ND (0.0063)	ND (0.0085)	ND (0.065)	ND (0.0062)	ND (0.0073)	ND (0.056)	ND (0.0061)	ND (0.0071) UJ	ND (0.0058)
Dibromomethane	*	*	ND (0.0082)	ND (0.0071)	ND (0.0061)	ND (0.069)	ND (0.071)	ND (0.0079) UJ	ND (0.065)	ND (0.060)	ND (0.0056)	ND (0.0066)	ND (0.0063)	ND (0.0085)	ND (0.065)	ND (0.0062)	ND (0.0073)	ND (0.056)	ND (0.0061)	ND (0.0071) UJ	ND (0.0058)
Dichlorodifluoromethane (CFC-12) Ethylbenzene	160	13	ND (0.0082) ND (0.0082)	ND (0.0071) ND (0.0071)	ND (0.0061) ND (0.0061)	ND (0.069) ND (0.069)	ND (0.071) ND (0.071)	ND (0.0079) UJ ND (0.0079) UJ	ND (0.065) ND (0.065)	ND (0.060) ND (0.060)	ND (0.0056) ND (0.0056)	ND (0.0066) ND (0.0066)	ND (0.0063) ND (0.0063)	ND (0.0085) ND (0.0085)	ND (0.065) ND (0.065)	ND (0.0062) ND (0.0062)	ND (0.0073) ND (0.0073)	ND (0.056) ND (0.056)	ND (0.0061) ND (0.0061)	ND (0.0071) UJ ND (0.0071) UJ	ND (0.0058) ND (0.0058)
Hexachlorobutadiene	44	16	ND (0.003)	ND (0.029)	ND (0.025)	ND (0.28)	ND (0.29)	ND (0.032) UJ	ND (0.26)	ND (0.24)	ND (0.023) UJ	ND (0.000)	ND (0.025) UJ	ND (0.034)	ND (0.26)	ND (0.025) UJ	ND (0.029) UJ	ND (0.23)	ND (0.0051)	ND (0.029) UJ	ND (0.024) UJ
Isopropylbenzene	*	*	ND (0.033)	ND (0.029)	ND (0.025)	ND (0.28)	ND (0.29)	ND (0.032) UJ	ND (0.26)	ND (0.24)	ND (0.023)	ND (0.027)	ND (0.025)	ND (0.034)	ND (0.26)	ND (0.025)	ND (0.029)	ND (0.23)	ND (0.025)	ND (0.029) UJ	ND (0.024)
m&p-Xylene	*	*	ND (0.0082)	ND (0.0071) UJ	ND (0.0061) UJ	ND (0.069)	ND (0.071)	ND (0.0079) UJ	ND (0.065)	ND (0.060)	ND (0.0056) UJ	ND (0.0066) UJ	ND (0.0063) UJ	ND (0.0085) UJ	ND (0.065)	ND (0.0062) UJ	ND (0.0073) UJ	ND (0.056)	ND (0.0061) UJ	ND (0.0071) UJ	ND (0.0058) UJ
Methylene chloride	1.8	0.023	ND (0.017)	ND (0.015)	0.0041 J	ND (0.28)	ND (0.29)	ND (0.016) UJ	ND (0.26)	ND (0.24)	ND (0.012)	0.0037 J	0.0034 J	ND (0.017)	ND (0.26)	ND (0.013)	ND (0.015)	ND (0.23)	0.0021	0.0059 J	0.0032 J
Naphthalene n-Butylbenzene	170	0.7	ND (0.033) ND (0.033) UJ	ND (0.029) ND (0.029)	ND (0.025) UJ ND (0.025)	ND (0.28) UJ ND (0.28)	ND (0.29) UJ ND (0.29)	ND (0.032) UJ ND (0.032) UJ	ND (0.26) UJ ND (0.26)	ND (0.24) UJ ND (0.24)	ND (0.023) ND (0.023)	ND (0.027) UJ ND (0.027)	ND (0.025) ND (0.025)	ND (0.034) ND (0.034)	ND (0.26) UJ ND (0.26)	ND (0.025) ND (0.025)	ND (0.029) ND (0.029)	ND (0.23) UJ ND (0.23)	ND (0.025) ND (0.025)	ND (0.029) UJ ND (0.029) UJ	ND (0.024) ND (0.024)
n-butylbenzene n-Propylbenzene	*	*	ND (0.033) UJ ND (0.033)	ND (0.029) ND (0.029)	ND (0.025) ND (0.025)	ND (0.28) ND (0.28)	ND (0.29) ND (0.29)	ND (0.032) UJ ND (0.032) UJ	ND (0.26) ND (0.26)	ND (0.24) ND (0.24)	ND (0.023) ND (0.023)	ND (0.027) ND (0.027)	ND (0.025) ND (0.025)	ND (0.034) ND (0.034)	ND (0.26) ND (0.26)	ND (0.025) ND (0.025)	ND (0.029) ND (0.029)	ND (0.23) ND (0.23)	ND (0.025) ND (0.025)	ND (0.029) UJ ND (0.029) UJ	ND (0.024) ND (0.024)
o-Xylene	*	*	ND (0.0082)	ND (0.0071) UJ	ND (0.0061) UJ	ND (0.069)	ND (0.071)	ND (0.0079) ÚJ	ND (0.065)	ND (0.060)	ND (0.0056) UJ	ND (0.0066) UJ	ND (0.0063) UJ	ND (0.0085) UJ	ND (0.065)	ND (0.0062) UJ	ND (0.0073) UJ	ND (0.056)	ND (0.0061) UJ	ND (0.0071) ÚJ	ND (0.0058) UJ
Styrene	550	3.5	ND (0.0082)	ND (0.0071) UJ	ND (0.0061) UJ	ND (0.069)	ND (0.071)	ND (0.0079) UJ	ND (0.065)	ND (0.060)	ND (0.0056) UJ	ND (0.0066) UJ	ND (0.0063) UJ	ND (0.0085) UJ	ND (0.065)	ND (0.0062) UJ	ND (0.0073) UJ	ND (0.056)	ND (0.0061) UJ	ND (0.0071) UJ	ND (0.0058) UJ
tert-Butylbenzene	*	*	ND (0.033)	ND (0.029)	ND (0.025)	ND (0.28)	ND (0.29)	ND (0.032) UJ	ND (0.26)	ND (0.24)	ND (0.023)	ND (0.027)	ND (0.025)	ND (0.034)	ND (0.26)	ND (0.025)	ND (0.029)	ND (0.23)	ND (0.025)	ND (0.029) UJ	ND (0.024)
Tetrachloroethene Toluene	0.64	0.058 12	0.0043 J ND (0.0082)	0.32 ^b ND (0.0071)	0.43 ^b ND (0.0061)	4.7 J ^{ab} ND (0.069)	2.6 J ^{ab} ND (0.071)	0.53 J ^b ND (0.0079) UJ	17 ^{ab} ND (0.065)	16 ^{ab} ND (0.060)	0.21 ^b ND (0.0056)	0.023 ND (0.0066)	0.021 ND (0.0063)	0.0014 J ND (0.0085)	0.047 J ND (0.065)	0.071 J ^b ND (0.0062)	0.017 J ND (0.0073)	0.10 ^b ND (0.056)	0.023 ND (0.0061)	0.13 J ^b ND (0.0071) UJ	0.014 ND (0.0058)
trans-1,2-Dichloroethene	14	0.68	ND (0.0082)	ND (0.0071) ND (0.0071)	ND (0.0061) ND (0.0061)	ND (0.069)	ND (0.071) ND (0.071)	ND (0.0079) UJ	ND (0.065)	ND (0.060) ND (0.060)	ND (0.0056)	ND (0.0066)	ND (0.0063)	ND (0.0085)	ND (0.065)	ND (0.0062) ND (0.0062)	ND (0.0073)	ND (0.056)	ND (0.0061) ND (0.0061)	ND (0.0071) UJ	ND (0.0058)
trans-1,3-Dichloropropene	*	*	ND (0.0082)	ND (0.0071)	ND (0.0061)	ND (0.069)	ND (0.071)	ND (0.0079) UJ	ND (0.065)	ND (0.060)	ND (0.0056)	ND (0.0066)	ND (0.0063)	ND (0.0085)	ND (0.065)	ND (0.0062)	ND (0.0073)	ND (0.056)	ND (0.0061)	ND (0.0071) UJ	ND (0.0058)
Trichloroethene	0.082	0.057	ND (0.0082)	0.0061 J	0.0018 J	ND (0.069)	ND (0.071)	0.019 J	0.26 ^{ab}	0.27 ^{ab}	0.00082 J	ND (0.0066)	ND (0.0063)	ND (0.0085)	ND (0.065)	ND (0.0062)	ND (0.0073)	ND (0.056)	0.00039	0.00097 J	ND (0.0058)
Trichlorofluoromethane (CFC-11)	0.010	*	ND (0.0082)	ND (0.0071)	ND (0.0061) UJ	ND (0.069) UJ	ND (0.071) UJ	ND (0.0079) UJ	ND (0.065) UJ	ND (0.060) UJ	ND (0.0056) UJ	ND (0.0066) UJ	ND (0.0063) UJ	ND (0.0085) UJ	ND (0.065)	ND (0.0062) UJ	ND (0.0073) UJ	ND (0.056)	ND (0.0061)	ND (0.0071) UJ	ND (0.0058) UJ
Vinyl chloride	0.013	0.013	ND (0.0082)	ND (0.0071)	ND (0.0061)	ND (0.069)	ND (0.071)	ND (0.0079) UJ	ND (0.065)	ND (0.060)	ND (0.0056)	ND (0.0066)	ND (0.0063)	ND (0.0085)	ND (0.065)	ND (0.0062)	ND (0.0073)	ND (0.056)	ND (0.0061)	ND (0.0071) UJ	ND (0.0058)

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Sample Location:			B-163	B-165	B-167	B-168	B-169	B-170	B-172	B-173	B-173	B-174	B-179	B-179	B-180	B-180	B-180	B-181	B-181	B-181	B-182
Sample ID:	IDEM	IDEM	S-091003-MG-222	S-090403-MG-171	S-091103-MG-234	S-091103-MG-231	S-091103-MG-228	S-090403-MG-175	S-090303-MG-169	S-090303-MG-166	S-090303-MG-167	S-090303-MG-164	S-091503-MG-271	S-091503-MG-272	S-091603-MG-277	S-091603-MG-278	S-091603-MG-279	S-082704-MG-062	S-082704-MG-063	S-082704-MG-064	S-082704-MG-065
Sample Date: Sample Depth:	RISC IDCL	RISC RDCL	9/10/2003 6-8 ft BGS	9/4/2003 8-10 ft BGS	9/11/2003 0.5-1.5 ft BGS	9/11/2003 0.5-1.5 ft BGS	9/11/2003 0.5-1.5 ft BGS	9/4/2003 6-8 ft BGS	9/3/2003 4-6 ft BGS	9/3/2003 4-6 ft BGS	9/3/2003 4-6 ft BGS	9/3/2003 8-10 ft BGS	9/15/2003 0.5-1 ft BGS	9/15/2003 6-8 ft BGS	9/16/2003 0.5-1 ft BGS	9/16/2003 8-10 ft BGS	9/16/2003 8-10 ft BGS	8/27/2004 0-2 ft BGS	8/27/2004 0-2 ft BGS	8/27/2004 8-10 ft BGS	8/27/2004 2-4 ft BGS
	а	b	,	,	,	,	,	,		,	Duplicate	,	,			,.	Duplicate	,	Duplicate	,	,
Volatile Organic Compounds (mg/kg)																					
1,1,1,2-Tetrachloroethane	0.85	0.053	ND (0.0061) UJ	ND (0.0067) UJ	ND (0.0065) UJ	ND (0.006) UJ	ND (0.0066) UJ	ND (0.0054) UJ	ND (0.0063)	ND (0.0058) UJ	ND (0.0058) UJ	ND (0.0056)	ND (0.0067) UJ	ND (0.061)	ND (0.063)	ND (0.064)	ND (0.066)	ND (0.0065)	ND (0.0073)	ND (0.0061)	ND (0.0059)
1,1,1-Trichloroethane 1.1.2.2-Tetrachloroethane	280 0.11	1.9 0.007	ND (0.0061) ND (0.0061)	ND (0.0067) ND (0.0067)	ND (0.0065) ND (0.0065)	ND (0.006) UJ ND (0.006) UI	ND (0.0066) ND (0.0066)	ND (0.0054) ND (0.0054)	ND (0.0063) ND (0.0063)	ND (0.0058) ND (0.0058)	ND (0.0058) ND (0.0058)	ND (0.0056) ND (0.0056)	ND (0.0067) ND (0.0067)	ND (0.061) ND (0.061)	ND (0.063) ND (0.063)	ND (0.064) ND (0.064)	ND (0.066) ND (0.066)	ND (0.0065) ND (0.0065)	ND (0.0073) ND (0.0073)	ND (0.0061) ND (0.0061)	ND (0.0059) ND (0.0059)
1,1,2-Trichloroethane	0.11	0.007	ND (0.0061) ND (0.0061)	ND (0.0067)	ND (0.0065)	ND (0.006) UJ	ND (0.0066)	ND (0.0054)	ND (0.0063)	ND (0.0058)	ND (0.0058)	ND (0.0056)	ND (0.0067)	ND (0.061)	ND (0.063)	ND (0.064)	ND (0.066)	ND (0.0065)	ND (0.0073)	ND (0.0061) ND (0.0061)	ND (0.0059) ND (0.0059)
1,1-Dichloroethane	58	5.6	ND (0.0061) UJ	ND (0.0067)	ND (0.0065) UJ	ND (0.006) UJ	ND (0.0066) UJ	ND (0.0054)	ND (0.0063)	ND (0.0058)	ND (0.0058)	ND (0.0056)	ND (0.0067)	ND (0.061)	ND (0.063)	ND (0.064)	ND (0.066)	ND (0.0065)	ND (0.0073)	ND (0.0061)	ND (0.0059)
1,1-Dichloroethene	42	0.058	ND (0.0061) ND (0.0061)	ND (0.0067) ND (0.0067)	ND (0.0065) ND (0.0065)	ND (0.006) UJ ND (0.006) UJ	ND (0.0066) ND (0.0066)	ND (0.0054) ND (0.0054)	ND (0.0063) ND (0.0063)	ND (0.0058) ND (0.0058)	ND (0.0058) ND (0.0058)	ND (0.0056) ND (0.0056)	ND (0.0067) ND (0.0067)	ND (0.061) ND (0.061)	ND (0.063) ND (0.063)	ND (0.064) ND (0.064)	ND (0.066) ND (0.066)	ND (0.0065) ND (0.0065)	ND (0.0073) ND (0.0073)	ND (0.0061) ND (0.0061)	ND (0.0059) ND (0.0059)
1,1-Dichloropropene 1,2,3-Trichlorobenzene	*	*	ND (0.0061) ND (0.025)	ND (0.0067) ND (0.027)	ND (0.0065) ND (0.026)	ND (0.006) UJ ND (0.024) UJ	ND (0.0066) ND (0.027)	ND (0.0054) ND (0.022)	ND (0.0063) ND (0.025)	ND (0.0058) ND (0.024) UJ	ND (0.0058) ND (0.024) UJ	ND (0.0056) ND (0.023)	ND (0.0067) ND (0.027)	ND (0.061) ND (0.25)	ND (0.063) ND (0.26)	ND (0.064) ND (0.26)	ND (0.066) ND (0.27)	ND (0.0065)	ND (0.0073) ND (0.0073)	ND (0.0061) ND (0.0061)	ND (0.0059) ND (0.0059)
1,2,3-Trichloropropane	*	*	ND (0.0061)	ND (0.0067)	ND (0.0065)	ND (0.006) UJ	ND (0.0066)	ND (0.0054)	ND (0.0063)	ND (0.0058)	ND (0.0058)	ND (0.0056)	ND (0.0067)	ND (0.061)	ND (0.063)	ND (0.064)	ND (0.066)	ND (0.0065)	ND (0.0073)	ND (0.0061)	ND (0.0059)
1,2,4-Trichlorobenzene	77	5.3	ND (0.025)	ND (0.027)	ND (0.026)	ND (0.024) UJ	ND (0.027)	ND (0.022)	ND (0.025)	ND (0.024)	ND (0.024)	ND (0.023)	ND (0.027)	ND (0.25)	ND (0.26)	ND (0.26)	ND (0.27)	ND (0.026)	ND (0.029)	ND (0.025)	ND (0.024)
1,2,4-Trimethylbenzene 1,2-Dibromo-3-chloropropane (DBCP)	170	2.5	ND (0.025) ND (0.025)	ND (0.027) ND (0.027)	ND (0.026) ND (0.026)	ND (0.024) UJ ND (0.024) UJ	ND (0.027) ND (0.027)	ND (0.022) ND (0.022)	ND (0.025) ND (0.025) UJ	ND (0.024) ND (0.024)	ND (0.024) ND (0.024)	ND (0.023) ND (0.023) UJ	ND (0.027) ND (0.027) UJ	ND (0.25) ND (0.25)	ND (0.26) ND (0.26)	ND (0.26) ND (0.26)	ND (0.27) ND (0.27)	ND (0.026) ND (0.026)	ND (0.029) ND (0.029)	ND (0.025) ND (0.025)	ND (0.024) ND (0.024)
1,2-Dibromoethane (Ethylene Dibromide)	*	*	ND (0.025)	ND (0.027)	ND (0.026)	ND (0.024) UJ	ND (0.027)	ND (0.022)	ND (0.025)	ND (0.024)	ND (0.024)	ND (0.023)	ND (0.027)	ND (0.25)	ND (0.26)	ND (0.26)	ND (0.27)	ND (0.0065)	ND (0.0073)	ND (0.0061)	ND (0.024)
1,2-Dichlorobenzene	220	17	ND (0.0061)	ND (0.0067)	ND (0.0065)	ND (0.006) UJ	ND (0.0066)	ND (0.0054)	ND (0.0063)	ND (0.0058)	ND (0.0058)	ND (0.0056)	ND (0.0067)	ND (0.061)	ND (0.063)	ND (0.064)	ND (0.066)	ND (0.0065)	ND (0.0073)	ND (0.0061)	ND (0.0059)
1,2-Dichloroethane	0.15	0.024	ND (0.0061)	ND (0.0067)	ND (0.0065)	ND (0.006) UJ	ND (0.0066)	ND (0.0054)	ND (0.0063)	ND (0.0058)	ND (0.0058)	ND (0.0056)	ND (0.0067)	ND (0.061)	ND (0.063)	ND (0.064)	ND (0.066)	ND (0.0065)	ND (0.0073)	ND (0.0061)	ND (0.0059)
1,2-Dichloropropane 1,3,5-Trimethylbenzene	0.25 68	0.03 0.61	ND (0.0061) ND (0.025)	ND (0.0067) ND (0.027)	ND (0.0065) UJ ND (0.026)	ND (0.006) UJ ND (0.024) UJ	ND (0.0066) UJ ND (0.027)	ND (0.0054) ND (0.022)	ND (0.0063) ND (0.025)	ND (0.0058) ND (0.024)	ND (0.0058) ND (0.024)	ND (0.0056) ND (0.023)	ND (0.0067) ND (0.027)	ND (0.061) ND (0.25)	ND (0.063) ND (0.26)	ND (0.064) ND (0.26)	ND (0.066) ND (0.27)	ND (0.0065) ND (0.0065)	ND (0.0073) ND (0.0073)	ND (0.0061) ND (0.0061)	ND (0.0059) ND (0.0059)
1,3-Dichlorobenzene	2.7	0.01	ND (0.0061)	ND (0.0067)	ND (0.0065)	ND (0.006) UI	ND (0.0066)	ND (0.0054)	ND (0.0063)	ND (0.0058)	ND (0.0058)	ND (0.0056)	ND (0.0067)	ND (0.061)	ND (0.063)	ND (0.26)	ND (0.066)	ND (0.0065)	ND (0.0073)	ND (0.0061)	ND (0.0059)
1,3-Dichloropropane	*	*	ND (0.0061)	ND (0.0067)	ND (0.0065)	ND (0.006) UJ	ND (0.0066)	ND (0.0054)	ND (0.0063)	ND (0.0058)	ND (0.0058)	ND (0.0056)	ND (0.0067)	ND (0.061)	ND (0.063)	ND (0.064)	ND (0.066)	ND (0.0065)	ND (0.0073)	ND (0.0061)	ND (0.0059)
1,4-Dichlorobenzene	3.4	2.2	ND (0.0061) ND (0.0061)	ND (0.0067) ND (0.0067)	ND (0.0065) ND (0.0065)	ND (0.006) UJ ND (0.006) UJ	ND (0.0066) ND (0.0066)	ND (0.0054) ND (0.0054)	ND (0.0063) ND (0.0063)	ND (0.0058) ND (0.0058)	ND (0.0058) ND (0.0058)	ND (0.0056) ND (0.0056)	ND (0.0067) ND (0.0067)	ND (0.061) ND (0.061)	ND (0.063) ND (0.063)	ND (0.064) ND (0.064)	ND (0.066) ND (0.066)	ND (0.0065) ND (0.0065)	ND (0.0073) ND (0.0073)	ND (0.0061) ND (0.0061)	ND (0.0059) ND (0.0059)
2,2-Dichloropropane 2-Butanone (Methyl Ethyl Ketone)	250	35	ND (0.0061) ND (0.025)	ND (0.0067) ND (0.027)	ND (0.0065)	ND (0.006) UJ ND (0.024) UI	ND (0.0066) ND (0.027)	ND (0.0054) ND (0.022)	ND (0.0063) ND (0.025) UI	ND (0.0058) ND (0.024) UI	ND (0.0058) ND (0.024) UI	ND (0.0056) ND (0.023) UI	ND (0.0067) ND (0.027) UI	ND (0.061) ND (2.5) UI	ND (0.063) ND (2.6)	ND (0.064) ND (2.6)	ND (0.066) ND (2.7)	ND (0.0065) ND (0.026) UI	ND (0.0073) ND (0.029) UI	ND (0.0061) ND (0.025) UI	ND (0.0059) ND (0.024) UI
2-Chlorotoluene	*	*	ND (0.025)	ND (0.027)	ND (0.026)	ND (0.024) UJ	ND (0.027)	ND (0.022)	ND (0.025)	ND (0.024)	ND (0.024)	ND (0.023)	ND (0.027)	ND (0.25)	ND (0.26)	ND (0.26)	ND (0.27)	ND (0.026)	ND (0.029)	ND (0.025)	ND (0.024)
2-Hexanone	*	*	ND (0.025)	ND (0.027)	ND (0.026)	ND (0.024) UJ	ND (0.027)	ND (0.022)	ND (0.025) UJ	ND (0.024)	ND (0.024)	ND (0.023) UJ	ND (0.027) UJ	ND (2.5)	ND (2.6) UJ	ND (2.6) UJ	ND (2.7) UJ	ND (0.026) UJ	ND (0.029) UJ	ND (0.025) UJ	ND (0.024) UJ
2-Phenylbutane (sec-Butylbenzene) 4-Chlorotoluene	*	*	ND (0.025) ND (0.025)	ND (0.027) ND (0.027)	ND (0.026) ND (0.026)	ND (0.024) UJ ND (0.024) UJ	ND (0.027) ND (0.027)	ND (0.022) ND (0.022)	ND (0.025) ND (0.025)	ND (0.024) ND (0.024)	ND (0.024) ND (0.024)	ND (0.023) ND (0.023)	ND (0.027) ND (0.027)	ND (0.25) ND (0.25)	ND (0.26) ND (0.26)	ND (0.26) ND (0.26)	ND (0.27) ND (0.27)	ND (0.026) ND (0.026)	ND (0.029) ND (0.029)	ND (0.025) ND (0.025)	ND (0.024) ND (0.024)
4-Methyl-2-Pentanone			112 (0.025)	112 (0.027)	142 (0.020)	110 (0.021) 0)	112 (0.027)	112 (0.022)	142 (0.025)	112 (0.021)	112 (0.021)	112 (0.025)	112 (0.027)	112 (0.20)	112 (0.20)	112 (0.20)	112 (0.27)	112 (0.020)	112 (0.023)	112 (0.025)	112 (0.021)
(Methyl Isobutyl Ketone)	75	20	ND (0.025)	ND (0.027) UJ	ND (0.026)	ND (0.024) UJ	ND (0.027)	ND (0.022) UJ	ND (0.025)	ND (0.024) UJ	ND (0.024) UJ	ND (0.023)	ND (0.027)	ND (2.5)	ND (2.6)	ND (2.6)	ND (2.7)	ND (0.026)	ND (0.029)	ND (0.025)	ND (0.024)
Acetone Benzene	370 0.35	3.8 0.034	ND (0.061) UJ ND (0.0061)	ND (0.067) UJ ND (0.0067)	ND (0.065) UJ ND (0.0065)	ND (0.06) UJ ND (0.006) UI	ND (0.066) UJ ND (0.0066)	ND (0.054) UJ ND (0.0054)	ND (0.063) ND (0.0063)	ND (0.058) UJ ND (0.0058)	ND (0.058) UJ ND (0.0058)	ND (0.056) ND (0.0056)	ND (0.067) UJ ND (0.0067)	ND (2.5) ND (0.061)	ND (2.6) ND (0.063)	ND (2.6) ND (0.064)	ND (2.7) ND (0.066)	ND (0.026) UJ ND (0.0065)	ND (0.029) UJ ND (0.0073)	ND (0.025) UJ ND (0.0061)	ND (0.024) UJ ND (0.0059)
Bromobenzene	*	*	ND (0.0061)	ND (0.0067)	ND (0.0065)	ND (0.006) UJ	ND (0.0066)	ND (0.0054)	ND (0.0063)	ND (0.0058)	ND (0.0058)	ND (0.0056)	ND (0.0067)	ND (0.25)	ND (0.26)	ND (0.26)	ND (0.27)	ND (0.0065)	ND (0.0073)	ND (0.0061)	ND (0.0059)
Bromodichloromethane	0.51	0.51	ND (0.0061)	ND (0.0067)	ND (0.0065)	ND (0.006) UJ	ND (0.0066)	ND (0.0054)	ND (0.0063)	ND (0.0058)	ND (0.0058)	ND (0.0056)	ND (0.0067)	ND (0.061)	ND (0.063)	ND (0.064)	ND (0.066)	ND (0.0065)	ND (0.0073)	ND (0.0061)	ND (0.0059)
Bromoform Bromomethane (Methyl Bromide)	2.7 0.7	0.6 0.052	ND (0.0061) UJ ND (0.0061) UI	ND (0.0067) UJ ND (0.0067) UJ	ND (0.0065) UJ ND (0.0065) UJ	ND (0.006) UJ ND (0.006) UI	ND (0.0066) UJ ND (0.0066) UJ	ND (0.0054) UJ ND (0.0054) UJ	ND (0.0063) UJ ND (0.0063)	ND (0.0058) UJ ND (0.0058) UJ	ND (0.0058) UJ ND (0.0058) UJ	ND (0.0056) UJ ND (0.0056)	ND (0.0067) UJ ND (0.0067) UJ	ND (0.061) ND (0.061)	ND (0.063) ND (0.063)	ND (0.064) ND (0.064)	ND (0.066) ND (0.066)	ND (0.0065) ND (0.0065)	ND (0.0073) ND (0.0073)	ND (0.0061) ND (0.0061)	ND (0.0059) ND (0.0059)
Carbon disulfide	82	10	ND (0.0061) U)	ND (0.0067) (0)	ND (0.0065) ND (0.0065)	ND (0.006) UJ	ND (0.0066)	ND (0.0054) (0)	ND (0.0063)	ND (0.0058)	ND (0.0058) U)	ND (0.0056)	ND (0.0067) (0)	ND (0.061)	ND (0.063)	ND (0.064)	ND (0.066)	ND (0.0065)	ND (0.0073)	ND (0.0061) ND (0.0061)	ND (0.0059) ND (0.0059)
Carbon tetrachloride	0.29	0.066	ND (0.0061)	ND (0.0067)	ND (0.0065)	ND (0.006) UJ	ND (0.0066)	ND (0.0054)	ND (0.0063)	ND (0.0058)	ND (0.0058)	ND (0.0056)	ND (0.0067)	ND (0.061) UJ	ND (0.063)	ND (0.064)	ND (0.066)	ND (0.0065)	ND (0.0073)	ND (0.0061)	ND (0.0059)
Chlorobenzene Chlorobromomethane	27	1.3	ND (0.0061) ND (0.0061)	ND (0.0067) ND (0.0067)	ND (0.0065) ND (0.0065)	ND (0.006) UJ ND (0.006) UJ	ND (0.0066) ND (0.0066)	ND (0.0054) ND (0.0054)	ND (0.0063) ND (0.0063)	ND (0.0058) ND (0.0058)	ND (0.0058) ND (0.0058)	ND (0.0056) ND (0.0056)	ND (0.0067) ND (0.0067)	ND (0.061) ND (0.061)	ND (0.063) ND (0.063)	ND (0.064) ND (0.064)	ND (0.066) ND (0.066)	ND (0.0065) ND (0.0065)	ND (0.0073) ND (0.0073)	ND (0.0061) ND (0.0061)	ND (0.0059) ND (0.0059)
Chloroethane	10	0.65	ND (0.0061)	ND (0.0067)	ND (0.0065)	ND (0.006) UJ	ND (0.0066)	ND (0.0054)	ND (0.0063)	ND (0.0058)	ND (0.0058)	ND (0.0056)	ND (0.0067)	ND (0.061)	ND (0.063)	ND (0.064)	ND (0.066)	ND (0.0065)	ND (0.0073)	ND (0.0061) ND (0.0061)	ND (0.0059)
Chloroform (Trichloromethane)	1.2	0.47	ND (0.0061)	ND (0.0067)	ND (0.0065)	ND (0.006) UJ	ND (0.0066)	ND (0.0054)	ND (0.0063)	ND (0.0058)	ND (0.0058)	ND (0.0056)	ND (0.0067)	ND (0.061)	ND (0.063)	ND (0.064)	ND (0.066)	ND (0.0065)	ND (0.0073)	ND (0.0061)	ND (0.0059)
Chloromethane (Methyl Chloride)	*	*	ND (0.0061)	ND (0.0067)	ND (0.0065)	ND (0.006) UJ	ND (0.0066)	ND (0.0054)	ND (0.0063)	ND (0.0058)	ND (0.0058)	ND (0.0056)	ND (0.0067)	ND (0.061)	ND (0.063) UJ	ND (0.064) UJ	ND (0.066) UJ	ND (0.0065)	ND (0.0073)	ND (0.0061)	ND (0.0059)
cis-1,2-Dichloroethene cis-1,3-Dichloropropene	5.8	0.4	ND (0.0061) ND (0.0061)	ND (0.0067) ND (0.0067)	ND (0.0065) ND (0.0065)	ND (0.006) UJ ND (0.006) UI	ND (0.0066) ND (0.0066)	ND (0.0054) ND (0.0054)	ND (0.0063) ND (0.0063) UJ	ND (0.0058) ND (0.0058)	ND (0.0058) ND (0.0058)	ND (0.0056) ND (0.0056) UJ	ND (0.0067) ND (0.0067)	ND (0.061) ND (0.061)	ND (0.063) ND (0.063)	ND (0.064) ND (0.064)	ND (0.066) ND (0.066)	ND (0.0065) ND (0.0065)	ND (0.0073) ND (0.0073)	ND (0.0061) ND (0.0061)	ND (0.0059) ND (0.0059)
Cymene (p-Isopropyltoluene)	*	*	ND (0.0001)	ND (0.007)	ND (0.026)	ND (0.004) UJ	ND (0.000)	ND (0.0034)	ND (0.003) C)	ND (0.0036)	ND (0.0036)	ND (0.003)	ND (0.007)	ND (0.25)	ND (0.26)	ND (0.26)	ND (0.27)	ND (0.0063)	ND (0.029)	ND (0.0051)	ND (0.024)
Dibromochloromethane	*	*	ND (0.0061)	ND (0.0067)	ND (0.0065)	ND (0.006) UJ	ND (0.0066)	ND (0.0054)	ND (0.0063)	ND (0.0058)	ND (0.0058)	ND (0.0056)	ND (0.0067)	ND (0.061)	ND (0.063)	ND (0.064)	ND (0.066)	ND (0.0065)	ND (0.0073)	ND (0.0061)	ND (0.0059)
Dibromomethane Dichlorodifluoromethane (CFC-12)	*	*	ND (0.0061) ND (0.0061)	ND (0.0067) ND (0.0067)	ND (0.0065) ND (0.0065)	ND (0.006) UJ ND (0.006) UJ	ND (0.0066) ND (0.0066)	ND (0.0054) ND (0.0054)	ND (0.0063) ND (0.0063)	ND (0.0058) ND (0.0058)	ND (0.0058) ND (0.0058)	ND (0.0056) ND (0.0056)	ND (0.0067) ND (0.0067)	ND (0.061) ND (0.061)	ND (0.063) ND (0.063)	ND (0.064) ND (0.064)	ND (0.066) ND (0.066)	ND (0.0065) ND (0.0065)	ND (0.0073) ND (0.0073)	ND (0.0061) ND (0.0061)	ND (0.0059) ND (0.0059)
Ethylbenzene	160	13	ND (0.0061) ND (0.0061)	ND (0.0067)	ND (0.0065)	ND (0.006) UJ	ND (0.0066)	ND (0.0054) ND (0.0054)	ND (0.0063)	ND (0.0058)	ND (0.0058) ND (0.0058)	ND (0.0056) ND (0.0056)	ND (0.0067) ND (0.0067)	ND (0.061) ND (0.061)	ND (0.063)	ND (0.064) ND (0.064)	ND (0.066) ND (0.066)	ND (0.0065) ND (0.0065)	ND (0.0073) ND (0.0073)	ND (0.0061) ND (0.0061)	ND (0.0059) ND (0.0059)
Hexachlorobutadiene	44	16	ND (0.025)	ND (0.027)	ND (0.026)	ND (0.024) UJ	ND (0.027)	ND (0.022)	ND (0.025)	ND (0.024)	ND (0.024)	ND (0.023)	ND (0.027)	ND (0.25)	ND (0.26)	ND (0.26)	ND (0.27)	ND (0.026)	ND (0.029)	ND (0.025)	ND (0.024)
Isopropylbenzene	*	*	ND (0.025)	ND (0.027)	ND (0.026)	ND (0.024) UJ	ND (0.027)	ND (0.022)	ND (0.025)	ND (0.024)	ND (0.024)	ND (0.023)	ND (0.027)	ND (0.25)	ND (0.26)	ND (0.26)	ND (0.27)	ND (0.0065)	ND (0.0073)	ND (0.0061)	ND (0.0059)
m&p-Xylene Methylene chloride	1.8	0.023	ND (0.0061) UJ 0.014	ND (0.0067) UJ ND (0.014)	ND (0.0065) UJ 0.0031	ND (0.006) UJ 0.0044 J	ND (0.0066) UJ 0.0022	ND (0.0054) UJ ND (0.011)	ND (0.0063) UJ ND (0.013)	ND (0.0058) UJ ND (0.012)	ND (0.0058) UJ ND (0.012)	ND (0.0056) UJ ND (0.012)	ND (0.0067) UJ 0.0042 J	ND (0.061) ND (0.25)	ND (0.063) ND (0.26)	ND (0.064) ND (0.26)	ND (0.066) ND (0.27)	ND (0.0065) ND (0.013)	ND (0.0073) ND (0.015)	ND (0.0061) ND (0.013)	ND (0.0059) ND (0.012)
Naphthalene	170	0.023	ND (0.025)	ND (0.027)	ND (0.026)	ND (0.024) UI	ND (0.027)	ND (0.022)	ND (0.015)	ND (0.012)	ND (0.012)	ND (0.012)	ND (0.027) UI	ND (0.25)	ND (0.26) UJ	ND (0.26) UI	ND (0.27) ND (0.27) UJ	ND (0.015)	ND (0.013)	ND (0.013)	ND (0.0059)
n-Butylbenzene	*	*	ND (0.025)	ND (0.027)	ND (0.026)	ND (0.024) UJ	ND (0.027)	ND (0.022)	ND (0.025)	ND (0.024)	ND (0.024)	ND (0.023)	ND (0.027)	ND (0.25)	ND (0.26)	ND (0.26)	ND (0.27)	ND (0.026)	ND (0.029)	ND (0.025)	ND (0.024)
n-Propylbenzene	*	*	ND (0.025)	ND (0.027)	ND (0.026)	ND (0.024) UJ	ND (0.027)	ND (0.022)	ND (0.025)	ND (0.024)	ND (0.024)	ND (0.023)	ND (0.027)	ND (0.25)	ND (0.26)	ND (0.26)	ND (0.27)	ND (0.026)	ND (0.029)	ND (0.025)	ND (0.024)
o-Xylene Styrene	* 550	3.5	ND (0.0061) UJ ND (0.0061) UJ	ND (0.0067) UJ ND (0.0067) UJ	ND (0.0065) UJ ND (0.0065) UI	ND (0.006) UJ ND (0.006) UJ	ND (0.0066) UJ ND (0.0066) UJ	ND (0.0054) UJ ND (0.0054) UJ	ND (0.0063) ND (0.0063) UJ	ND (0.0058) UJ ND (0.0058) UJ	ND (0.0058) UJ ND (0.0058) UJ	ND (0.0056) ND (0.0056) UJ	ND (0.0067) UJ ND (0.0067) UJ	ND (0.061) ND (0.061)	ND (0.063) ND (0.063) UJ	ND (0.064) ND (0.064) UJ	ND (0.066) ND (0.066) UJ	ND (0.0065) ND (0.0065)	ND (0.0073) ND (0.0073)	ND (0.0061) ND (0.0061)	ND (0.0059) ND (0.0059)
tert-Butylbenzene	*	*	ND (0.0081) (0)	ND (0.0067) (0)	ND (0.0065) (1) ND (0.026)	ND (0.006) UJ	ND (0.0066) (1)	ND (0.0034) (0)	ND (0.0063) (1) ND (0.025)	ND (0.0036) U) ND (0.024)	ND (0.0038) U) ND (0.024)	ND (0.0036) (0)	ND (0.0067) (0)	ND (0.061) ND (0.25)	ND (0.063) (0) ND (0.26)	ND (0.064) (0)	ND (0.066) (0) ND (0.27)	ND (0.0063)	ND (0.029)	ND (0.0061) ND (0.025)	ND (0.0039) ND (0.024)
Tetrachloroethene	0.64	0.058	0.0097	0.026	ND (0.0065)	0.0016 J	0.0072	0.0045 J	0.026	0.0025 J	0.00062 J	0.035	0.13 ^b	13 ^{ab}	0.18 ^b	2.8 J ^{ab}	0.88 J ^{ab}	ND (0.0065)	ND (0.0073)	0.013	ND (0.0059)
Toluene	240	12	ND (0.0061)	ND (0.0067)	ND (0.0065)	ND (0.006) UJ	ND (0.0066)	ND (0.0054)	ND (0.0063)	ND (0.0058)	ND (0.0058)	ND (0.0056)	ND (0.0067)	ND (0.061)	ND (0.063)	ND (0.064)	ND (0.066)	ND (0.0065)	ND (0.0073)	ND (0.0061)	ND (0.0059)
trans-1,2-Dichloroethene trans-1,3-Dichloropropene	14	0.68	ND (0.0061) ND (0.0061)	ND (0.0067) ND (0.0067)	ND (0.0065) ND (0.0065)	ND (0.006) UJ ND (0.006) UJ	ND (0.0066) ND (0.0066)	ND (0.0054) ND (0.0054)	ND (0.0063) ND (0.0063) UJ	ND (0.0058) ND (0.0058)	ND (0.0058) ND (0.0058)	ND (0.0056) ND (0.0056) UJ	ND (0.0067) ND (0.0067)	ND (0.061) ND (0.061)	ND (0.063) ND (0.063)	ND (0.064) ND (0.064)	ND (0.066) ND (0.066)	ND (0.0065) ND (0.0065)	ND (0.0073) ND (0.0073)	ND (0.0061) ND (0.0061)	ND (0.0059) ND (0.0059)
Trichloroethene	0.082	0.057	ND (0.0061)	ND (0.0067)	0.00045	ND (0.006) UJ	ND (0.0066)	ND (0.0054)	ND (0.0063)	ND (0.0058)	ND (0.0058)	ND (0.0056)	ND (0.0067)	0.14 ^{ab}	ND (0.063)	0.14 ^{ab}	0.040 J	ND (0.0065)	ND (0.0073)	ND (0.0061)	ND (0.0059)
Trichlorofluoromethane (CFC-11)	*	*	ND (0.0061)	ND (0.0067) UJ	ND (0.0065)	ND (0.006) UJ	ND (0.0066)	ND (0.0054) UJ	ND (0.0063)	ND (0.0058)	ND (0.0058)	ND (0.0056)	ND (0.0067) UJ	ND (0.061) UJ	ND (0.063)	ND (0.064)	ND (0.066)	ND (0.0065)	ND (0.0073)	ND (0.0061)	ND (0.0059)
Vinyl chloride	0.013	0.013	ND (0.0061)	ND (0.0067)	ND (0.0065)	ND (0.006) UJ	ND (0.0066)	ND (0.0054)	ND (0.0063)	ND (0.0058)	ND (0.0058)	ND (0.0056)	ND (0.0067)	ND (0.061)	ND (0.063)	ND (0.064)	ND (0.066)	ND (0.0065)	ND (0.0073)	ND (0.0061)	ND (0.0059)

Part	Sample Location:			B-183	B-184	B-185	B-186	B-187	B-188	B-189	B-190	B-191	B-192	B-193	B-194	B-194	B-195	B-195	B-196	B-197	B-197	R-198
Part		IDEM	IDEM																			D 130
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Continue	Sample Depth:	IDCL a	RDCL b	4-6 ft BGS	6-8 ft BGS	4-6 ft BGS	0-2 ft BGS	2-4 ft BGS	0-2 ft BGS	2-4 ft BGS	0-2 ft BGS	0-2 ft BGS	4-6 ft BGS	2-4 ft BGS	2-4 ft BGS		0-2 ft BGS	8-10 ft BGS	2-4 ft BGS	0-2 ft BGS	8-10 ft BGS	2-4 ft BGS
1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-			-													,						
Content		0.85	0.053	ND (0.0065)	ND (0.0065)	ND (0.0076)	ND (0.0067)	ND (0.0068)	ND (0.0061)	ND (0.01)	ND (0.0079)	ND (0.0068)	ND (0.0072)	ND (0.0066)	ND (0.0054)	ND (0.0099)	ND (0.0077)	ND (0.007)	ND (0.0072)	ND (0.0096)	ND (0.0078)	ND (0.0081)
A.			1.9	ND (0.0065)	ND (0.0065)	ND (0.0076)	ND (0.0067)				ND (0.0079)	ND (0.0068)		ND (0.0066)	ND (0.0054)		ND (0.0077)	ND (0.007)		ND (0.0096)	ND (0.0078)	ND (0.0081)
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1. 1. 1. 1. 1. 1. 1. 1.	1,2-Dibromoethane (Ethylene Dibromide)	*		ND (0.0065)		ND (0.0076)		ND (0.0068)	ND (0.0061)	ND (0.01)		ND (0.0068)	ND (0.0072)				ND (0.0077)					
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1	1,3-Dichloropropane	*	*	ND (0.0065)	ND (0.0065)	ND (0.0076)	ND (0.0067)	ND (0.0068)	ND (0.0061)	ND (0.01)	ND (0.0079)	ND (0.0068)	ND (0.0072)	ND (0.0066)	ND (0.0054)	ND (0.0099)	ND (0.0077)	ND (0.007)	ND (0.0072)	ND (0.0096)	ND (0.0078)	ND (0.0081)
Part		3.4	2.2													()						
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Δειδεκ		*	*	ND (0.026)	ND (0.026)	ND (0.031)	ND (0.027)	ND (0.028)	ND (0.025)	ND (0.04)	ND (0.032)	ND (0.028)	ND (0.029)	ND (0.027)	ND (0.022)	ND (0.04)	ND (0.031)	ND (0.028)	ND (0.029)	ND (0.039)	ND (0.032)	ND (0.033)
Appen		75	20	ND (0.026)	ND (0.026)	ND (0.031)	ND (0.027)	NID (0.028)	NID (0.025)	NID (0.04)	NID (0.032)	NID (0.028)	ND (0.029)	NID (0.027)	ND (0.022)	NID (0.04)	ND (0.031)	ND (0.028)	NID (0.029)	ND (0.039)	NID (0.032)	NID (0.033)
No. March																						
	Benzene	0.35	0.034																			
Processor Proc		*	*																			
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Carbon Standardiscription Part				. ()												. (,						
Chlose-brances Part Part Chlose-brances Part Part Chlose-brances Part			10	ND (0.0065)	ND (0.0065)	ND (0.0076)	ND (0.0067)	ND (0.0068)			ND (0.0079)	ND (0.0068)	ND (0.0072)	ND (0.0066)	ND (0.0054)	()	ND (0.0077)	ND (0.007)	ND (0.0072)	ND (0.0096)	ND (0.0078)	ND (0.0081)
Chieser-tensor P. P. Di (1988) D																						
Chlore-shee-shee 10		*	1.3										(0.00)									
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Gal-Lip-bell-overthrome S	()	1.2	0.47																			
Control Cont		*	*	()	, ,	, ,	. ()	, ,	, ,	, ,	, ,	, ,	. (/	(,	, ,	()	, ,	, ,	()	` /	, ,	` /
Cymen (g-bogropytholumer)		5.8	0.4																			
Directomentamentame		*	*																			
		*	*																			
Ethyle-lenceric 160 13 ND 0.0056		*	*			ND (0.0076)			ND (0.0061)											ND (0.0096)		
Heachinorbutaldiame		160	*																			
Suppoply Henexare * * * * * * * * * * * * * * * * * *																						
Methylene chloride 1.8 0.023 ND (0.013) ND (0.014) ND (0.014) ND (0.014) ND (0.015) ND (0.014) ND (0.017) ND (0.007) ND (0.007) ND (0.007) ND (0.0075) ND (0.0073) ND (0.0074) ND (0.0075) ND (0.0074) ND (0.0075) ND		*	*																			
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	m&p-Xylene	*	*	ND (0.0065)	ND (0.0065)	ND (0.0076)	ND (0.0067)	ND (0.0068)	ND (0.0061)	ND (0.01)	ND (0.0079)	ND (0.0068)	ND (0.0072)	ND (0.0066)	ND (0.0054)	ND (0.0099)	ND (0.0077)	ND (0.007)	ND (0.0072)	ND (0.0096)	ND (0.0078)	ND (0.0081)
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		*	*	()			()			()												
Tetrachloroethene 0.64 0.058 0.036 ND (0.0065) ND (0.0076) 0.001 0.00084 J 0.0029 J 0.017 0.037 0.16 $^{\rm h}$ 0.023 0.026 ND (0.0077) 0.034 0.048 0.0072 J 0.092 $^{\rm h}$ 0.0061 J 0.0061 ND (0.0078) ND (0.0065) N		550	3.5																			
Toluene 240 12 ND (0.0065) ND (0.0065) ND (0.0065) ND (0.0066)	· ·	*	*	, ,		, ,					, ,				, ,		. ,		. ,	, ,		, ,
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$		0.00	0.000	0.000					,						0.10=0				0.00			,
		_10		()	. ()		. ()				. (. ()	. ()		. (,			. ()			. (,
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$		*	v.00													()			()			()
Trichlorofluoromethane (CFC-11) * * ND (0.0065) ND (0.0065) ND (0.0066) ND (0.0067) ND (0.0068) ND (0.	1 1	0.082	0.057	()	, ,	, ,	, ,	, ,	, ,	, ,	, ,	, ,	, ,	, ,		` '	, ,	, ,	, ,	, ,	` ,	, ,
$Vinyl chloride \\ 0.013 0.013 D (0.0065) ND (0.0065) ND (0.0067) ND (0.0067) ND (0.0068) ND (0.0079) ND (0.0072) ND (0.00$	Trichlorofluoromethane (CFC-11)	*	*	ND (0.0065)	ND (0.0065)	ND (0.0076)	ND (0.0067)	ND (0.0068)	ND (0.0061)	ND (0.01)	ND (0.0079)	ND (0.0068)	ND (0.0072)	ND (0.0066)	ND (0.0054) UJ	ND (0.0099) UJ	ND (0.0077) UJ	ND (0.007) UJ		ND (0.0096) UJ	ND (0.0078) UJ	
	Vinyl chloride	0.013	0.013	ND (0.0065)	ND (0.0065)	ND (0.0076)	ND (0.0067)	ND (0.0068)	ND (0.0061)	ND (0.01)	ND (0.0079)	ND (0.0068)	ND (0.0072)	ND (0.0066)	ND (0.0054)	ND (0.0099)	ND (0.0077)	ND (0.007)	ND (0.0072)	ND (0.0096)	ND (0.0078)	ND (0.0081)

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SUMMARY OF SHALLOW SUBSURFACE SOIL VOC ANALYTICAL DATA - SWMUs 1 AND 2 RADIO MATERIALS CORPORATION ATTICA, INDIANA

Sample Location: Sample ID: Sample Date: Sample Depth:	IDEM RISC IDCL a	IDEM RISC RDCL b	B-198 S-082404-MG-017 8/24/2004 2-4 ft BGS Duplicate	B-198 S-082404-MG-018 8/24/2004 8-9 ft BGS	B-199 S-082404-MG-019 8/24/2004 4-6 ft BGS	B-200 S-082404-MG-014 8/24/2004 2-4 ft BGS	B-200 S-082404-MG-015 8/24/2004 8-9 ft BGS	B-201 S-082404-MG-012 8/24/2004 0-2 ft BGS	B-201 S-082404-MG-013 8/24/2004 8-10 ft BGS	B-202 S-082304-MG-010 8/23/2004 4-6 ft BGS	B-203 S-082304-MG-008 8/23/2004 2-4 ft BGS	B-204 S-082404-MG-030 8/24/2004 2-4 ft BGS	B-204 S-082404-MG-031 8/24/2004 8-10 ft BGS	B-205 S-082404-MG-032 8/24/2004 2-4 ft BGS	B-205 S-082404-MG-033 8/24/2004 8-10 ft BGS	B-206 S-082304-MG-001 8/23/2004 0-2 ft BGS	B-206 S-082304-MG-002 8/23/2004 7-9 ft BGS	B-207 S-082304-MG-003 8/23/2004 2-4 ft BGS	B-207 S-082304-MG-004 8/23/2004 2-4 ft BGS Duplicate	B-207 S-082304-MG-005 8/23/2004 8-10 ft BGS	B-208 S-082304-MG-006 8/23/2004 0-2 ft BGS	B-208 S-082304-MG-007 8/23/2004 8-10 ft BGS	B-209 S-082604-MG-043 8/26/2004 2-4 ft BGS
Volatile Organic Compounds (mg/kg) 1,1,2-Tetrachloroethane 1,1,1-Trichloroethane	0.85 280	0.053 1.9	ND (0.008) ND (0.008)	ND (0.007) ND (0.007)	ND (0.0089) ND (0.0089)	ND (0.0078) ND (0.0078)	ND (0.0067) ND (0.0067)	ND (0.0083) ND (0.0083)	ND (0.0075) ND (0.0075)	ND (0.0073) ND (0.0073)	ND (0.0088) ND (0.0088)	ND (0.011) ND (0.011)	ND (0.0064) ND (0.0064)	ND (0.0096) ND (0.0096)	ND (0.0063) ND (0.0063)	ND (0.0073) ND (0.0073)	ND (0.0059) ND (0.0059)	ND (0.0083) ND (0.0083)	ND (0.0073) ND (0.0073)	ND (0.0067) ND (0.0067)	ND (0.0088) ND (0.0088)	ND (0.0065) ND (0.0065)	ND (0.0095) ND (0.0095)
1,1,2,2-Tetrachloroethane	0.11	0.007	ND (0.008)	ND (0.007)	ND (0.0089)	ND (0.0078)	ND (0.0067)	ND (0.0083)	ND (0.0075)	ND (0.0073)	ND (0.0088)	ND (0.011)	ND (0.0064)	ND (0.0096)	ND (0.0063)	ND (0.0073)	ND (0.0059)	ND (0.0083)	ND (0.0073)	ND (0.0067)	ND (0.0088)	ND (0.0065)	ND (0.0095)
1,1,2-Trichloroethane 1,1-Dichloroethane	0.3 58	0.03 5.6	ND (0.008) ND (0.008)	ND (0.007) ND (0.007)	ND (0.0089) ND (0.0089)	ND (0.0078) ND (0.0078)	ND (0.0067) ND (0.0067)	ND (0.0083) ND (0.0083)	ND (0.0075) ND (0.0075)	ND (0.0073) ND (0.0073)	ND (0.0088) ND (0.0088)	ND (0.011) ND (0.011)	ND (0.0064) ND (0.0064)	ND (0.0096) ND (0.0096)	ND (0.0063) ND (0.0063)	ND (0.0073) ND (0.0073)	ND (0.0059) ND (0.0059)	ND (0.0083) ND (0.0083)	ND (0.0073) ND (0.0073)	ND (0.0067) ND (0.0067)	ND (0.0088) ND (0.0088)	ND (0.0065) ND (0.0065)	ND (0.0095) ND (0.0095)
1,1-Dichloroethene	42	0.058	ND (0.008)	ND (0.007)	ND (0.0089)	ND (0.0078)	ND (0.0067)	ND (0.0083)	ND (0.0075)	ND (0.0073)	ND (0.0088)	ND (0.011)	ND (0.0064)	ND (0.0096)	ND (0.0063)	ND (0.0073)	ND (0.0059)	ND (0.0083)	ND (0.0073)	ND (0.0067)	ND (0.0088)	ND (0.0065)	ND (0.0095)
1,1-Dichloropropene 1,2,3-Trichlorobenzene	*	*	ND (0.008) ND (0.008)	ND (0.007) ND (0.007)	ND (0.0089) ND (0.0089)	ND (0.0078) ND (0.0078)	ND (0.0067) ND (0.0067)	ND (0.0083) ND (0.0083)	ND (0.0075) ND (0.0075)	ND (0.0073) ND (0.0073)	ND (0.0088) ND (0.0088)	ND (0.011) ND (0.011)	ND (0.0064) ND (0.0064)	ND (0.0096) ND (0.0096)	ND (0.0063) ND (0.0063)	ND (0.0073) ND (0.0073)	ND (0.0059) ND (0.0059)	ND (0.0083) ND (0.0083)	ND (0.0073) ND (0.0073)	ND (0.0067) ND (0.0067)	ND (0.0088) ND (0.0088)	ND (0.0065) ND (0.0065)	ND (0.0095) ND (0.0095)
1,2,3-Trichloropropane	*	*	ND (0.008)	ND (0.007)	ND (0.0089)	ND (0.0078)	ND (0.0067)	ND (0.0083)	ND (0.0075)	ND (0.0073)	ND (0.0088)	ND (0.011)	ND (0.0064)	ND (0.0096)	ND (0.0063)	ND (0.0073)	ND (0.0059)	ND (0.0083)	ND (0.0073)	ND (0.0067)	ND (0.0088)	ND (0.0065)	ND (0.0095)
1,2,4-Trichlorobenzene 1,2,4-Trimethylbenzene	77 170	5.3 2.5	ND (0.032) ND (0.032)	ND (0.028) ND (0.028)	ND (0.036) ND (0.036)	ND (0.032) ND (0.032)	ND (0.027) ND (0.027)	ND (0.034) ND (0.034)	ND (0.03) ND (0.03)	ND (0.03) ND (0.03)	ND (0.036) ND (0.036)	ND (0.044) ND (0.044)	ND (0.026) ND (0.026)	ND (0.039) ND (0.039)	ND (0.026) ND (0.026)	ND (0.029) ND (0.029)	ND (0.024) ND (0.024)	ND (0.034) ND (0.034)	ND (0.03) ND (0.03)	ND (0.027) ND (0.027)	ND (0.036) ND (0.036)	ND (0.026) ND (0.026)	ND (0.038) ND (0.038)
1,2,4-1rimethylbenzene 1,2-Dibromo-3-chloropropane (DBCP)	170	2.5	ND (0.032) ND (0.032)	ND (0.028) ND (0.028)	ND (0.036) ND (0.036)	ND (0.032) ND (0.032)	ND (0.027) ND (0.027)	ND (0.034) ND (0.034)	ND (0.03) ND (0.03)	ND (0.03) ND (0.03)	ND (0.036) ND (0.036)	ND (0.044) ND (0.044)	ND (0.026) ND (0.026)	ND (0.039) ND (0.039)	ND (0.026) ND (0.026)	ND (0.029) ND (0.029)	ND (0.024) ND (0.024)	ND (0.034) ND (0.034)	ND (0.03) ND (0.03)	ND (0.027) ND (0.027)	ND (0.036) ND (0.036)	ND (0.026) ND (0.026)	ND (0.038) ND (0.038)
1,2-Dibromoethane (Ethylene Dibromide)	*	*	ND (0.008)	ND (0.007)	ND (0.0089)	ND (0.0078)	ND (0.0067)	ND (0.0083)	ND (0.0075)	ND (0.0073)	ND (0.0088)	ND (0.011)	ND (0.0064)	ND (0.0096)	ND (0.0063)	ND (0.0073)	ND (0.0059)	ND (0.0083)	ND (0.0073)	ND (0.0067)	ND (0.0088)	ND (0.0065)	ND (0.0095)
1,2-Dichlorobenzene 1,2-Dichloroethane	220 0.15	17 0.024	ND (0.008) ND (0.008)	ND (0.007) ND (0.007)	ND (0.0089) ND (0.0089)	ND (0.0078) ND (0.0078)	ND (0.0067) ND (0.0067)	ND (0.0083) ND (0.0083)	ND (0.0075) ND (0.0075)	ND (0.0073) ND (0.0073)	ND (0.0088) ND (0.0088)	ND (0.011) ND (0.011)	ND (0.0064) ND (0.0064)	ND (0.0096) ND (0.0096)	ND (0.0063) ND (0.0063)	ND (0.0073) ND (0.0073)	ND (0.0059) ND (0.0059)	ND (0.0083) ND (0.0083)	ND (0.0073) ND (0.0073)	ND (0.0067) ND (0.0067)	ND (0.0088) ND (0.0088)	ND (0.0065) ND (0.0065)	ND (0.0095) ND (0.0095)
1,2-Dichloropropane	0.25	0.03	ND (0.008)	ND (0.007)	ND (0.0089)	ND (0.0078)	ND (0.0067)	ND (0.0083)	ND (0.0075)	ND (0.0073)	ND (0.0088)	ND (0.011)	ND (0.0064)	ND (0.0096)	ND (0.0063)	ND (0.0073)	ND (0.0059)	ND (0.0083)	ND (0.0073)	ND (0.0067)	ND (0.0088)	ND (0.0065)	ND (0.0095)
1,3,5-Trimethylbenzene 1.3-Dichlorobenzene	68 2.7	0.61	ND (0.008) ND (0.008)	ND (0.007) ND (0.007)	ND (0.0089) ND (0.0089)	ND (0.0078) ND (0.0078)	ND (0.0067) ND (0.0067)	ND (0.0083) ND (0.0083)	ND (0.0075) ND (0.0075)	ND (0.0073) ND (0.0073)	ND (0.0088) ND (0.0088)	ND (0.011) ND (0.011)	ND (0.0064) ND (0.0064)	ND (0.0096) ND (0.0096)	ND (0.0063) ND (0.0063)	ND (0.0073) ND (0.0073)	ND (0.0059) ND (0.0059)	ND (0.0083) ND (0.0083)	ND (0.0073) ND (0.0073)	ND (0.0067) ND (0.0067)	ND (0.0088) ND (0.0088)	ND (0.0065) ND (0.0065)	ND (0.0095) ND (0.0095)
1,3-Dichloropropane	*	*	ND (0.008)	ND (0.007)	ND (0.0089)	ND (0.0078)	ND (0.0067)	ND (0.0083)	ND (0.0075)	ND (0.0073)	ND (0.0088)	ND (0.011)	ND (0.0064)	ND (0.0096)	ND (0.0063)	ND (0.0073)	ND (0.0059)	ND (0.0083)	ND (0.0073)	ND (0.0067)	ND (0.0088)	ND (0.0065)	ND (0.0095)
1,4-Dichlorobenzene	3.4	2.2	ND (0.008) ND (0.008)	ND (0.007) ND (0.007)	ND (0.0089) ND (0.0089)	ND (0.0078)	ND (0.0067) ND (0.0067)	ND (0.0083) ND (0.0083)	ND (0.0075) ND (0.0075)	ND (0.0073)	ND (0.0088) ND (0.0088)	ND (0.011) ND (0.011)	ND (0.0064) ND (0.0064)	ND (0.0096) ND (0.0096)	ND (0.0063)	ND (0.0073) ND (0.0073)	ND (0.0059)	ND (0.0083) ND (0.0083)	ND (0.0073) ND (0.0073)	ND (0.0067) ND (0.0067)	ND (0.0088) ND (0.0088)	ND (0.0065)	ND (0.0095) ND (0.0095)
2,2-Dichloropropane 2-Butanone (Methyl Ethyl Ketone)	250	35	ND (0.008) ND (0.032) UJ	ND (0.028) UJ	ND (0.036) UJ	ND (0.0078) ND (0.032) UJ	ND (0.0067) ND (0.027) UJ	ND (0.0083) ND (0.034) UJ	ND (0.0075) ND (0.03) UJ	ND (0.0073) ND (0.03) UJ	ND (0.036) UJ	ND (0.011) ND (0.044) UJ	ND (0.0064) ND (0.026) UJ	ND (0.039) UJ	ND (0.0063) ND (0.026) UJ	ND (0.029) UJ	ND (0.0059) ND (0.024) UJ	ND (0.0083) ND (0.034) UJ	ND (0.0073) ND (0.03) UJ	ND (0.0067) ND (0.027) UJ	ND (0.036) UJ	ND (0.0065) ND (0.026) UJ	ND (0.0093) ND (0.038) UJ
2-Chlorotoluene	*	*	ND (0.032)	ND (0.028)	ND (0.036)	ND (0.032)	ND (0.027)	ND (0.034)	ND (0.03)	ND (0.03)	ND (0.036)	ND (0.044)	ND (0.026)	ND (0.039)	ND (0.026)	ND (0.029)	ND (0.024)	ND (0.034)	ND (0.03)	ND (0.027)	ND (0.036)	ND (0.026)	ND (0.038)
2-Hexanone 2-Phenylbutane (sec-Butylbenzene)	*	*	ND (0.032) ND (0.032)	ND (0.028) ND (0.028)	ND (0.036) ND (0.036)	ND (0.032) ND (0.032)	ND (0.027) ND (0.027)	ND (0.034) ND (0.034)	ND (0.03) ND (0.03)	ND (0.03) ND (0.03)	ND (0.036) ND (0.036)	ND (0.044) ND (0.044)	ND (0.026) ND (0.026)	ND (0.039) ND (0.039)	ND (0.026) ND (0.026)	ND (0.029) ND (0.029)	ND (0.024) ND (0.024)	ND (0.034) ND (0.034)	ND (0.03) ND (0.03)	ND (0.027) ND (0.027)	ND (0.036) ND (0.036)	ND (0.026) ND (0.026)	ND (0.038) ND (0.038)
4-Chlorotoluene	*	*	ND (0.032)	ND (0.028)	ND (0.036)	ND (0.032)	ND (0.027)	ND (0.034)	ND (0.03)	ND (0.03)	ND (0.036)	ND (0.044)	ND (0.026)	ND (0.039)	ND (0.026)	ND (0.029)	ND (0.024)	ND (0.034)	ND (0.03)	ND (0.027)	ND (0.036)	ND (0.026)	ND (0.038)
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	75	20	ND (0.032)	ND (0.028)	ND (0.036)	ND (0.032)	ND (0.027)	ND (0.034)	ND (0.03)	ND (0.03)	ND (0.036)	ND (0.044)	ND (0.026)	ND (0.039)	ND (0.026)	ND (0.029)	0.0078 [ND (0.034)	ND (0.03)	ND (0.027)	ND (0.036)	ND (0.026)	ND (0.038)
Acetone	370	3.8	ND (0.032) UJ	ND (0.028) UJ	ND (0.036) UJ	0.028 J	ND (0.027) UJ	ND (0.034) UJ	ND (0.03) UJ	ND (0.03) UJ	ND (0.036) UJ	ND (0.044) UJ	ND (0.026) UJ	ND (0.039) UJ	ND (0.026) UJ	ND (0.029) UJ	ND (0.024) UJ	ND (0.034) UJ	ND (0.03) UJ	ND (0.027) UJ	ND (0.036) UJ	ND (0.026) UJ	0.035 J
Benzene Bromobenzene	0.35	0.034	ND (0.008) ND (0.008)	ND (0.007) ND (0.007)	ND (0.0089) ND (0.0089)	ND (0.0078) ND (0.0078)	ND (0.0067) ND (0.0067)	ND (0.0083) ND (0.0083)	ND (0.0075) ND (0.0075)	ND (0.0073) ND (0.0073)	ND (0.0088) ND (0.0088)	ND (0.011) ND (0.011)	ND (0.0064) ND (0.0064)	ND (0.0096) ND (0.0096)	ND (0.0063) ND (0.0063)	ND (0.0073) ND (0.0073)	ND (0.0059) ND (0.0059)	ND (0.0083) ND (0.0083)	ND (0.0073) ND (0.0073)	ND (0.0067) ND (0.0067)	ND (0.0088) ND (0.0088)	ND (0.0065) ND (0.0065)	ND (0.0095) ND (0.0095)
Bromodichloromethane	0.51	0.51	ND (0.008)	ND (0.007)	ND (0.0089)	ND (0.0078)	ND (0.0067)	ND (0.0083)	ND (0.0075)	ND (0.0073)	ND (0.0088)	ND (0.011)	ND (0.0064)	ND (0.0096)	ND (0.0063)	ND (0.0073)	ND (0.0059)	ND (0.0083)	ND (0.0073)	ND (0.0067)	ND (0.0088)	ND (0.0065)	ND (0.0095)
Bromoform Bromomethane (Methyl Bromide)	2.7 0.7	0.6 0.052	ND (0.008) ND (0.008)	ND (0.007) ND (0.007)	ND (0.0089) ND (0.0089)	ND (0.0078) ND (0.0078)	ND (0.0067) ND (0.0067)	ND (0.0083) ND (0.0083)	ND (0.0075) ND (0.0075)	ND (0.0073) ND (0.0073)	ND (0.0088) ND (0.0088)	ND (0.011) ND (0.011)	ND (0.0064) ND (0.0064)	ND (0.0096) ND (0.0096)	ND (0.0063) ND (0.0063)	ND (0.0073) ND (0.0073)	ND (0.0059) ND (0.0059)	ND (0.0083) ND (0.0083)	ND (0.0073) ND (0.0073)	ND (0.0067) ND (0.0067)	ND (0.0088) ND (0.0088)	ND (0.0065) ND (0.0065)	ND (0.0095) ND (0.0095)
Carbon disulfide	82	10	ND (0.008)	ND (0.007)	ND (0.0089)	ND (0.0078)	ND (0.0067)	ND (0.0083)	ND (0.0075)	ND (0.0073)	ND (0.0088)	ND (0.011)	ND (0.0064)	ND (0.0096)	ND (0.0063)	ND (0.0073)	ND (0.0059)	ND (0.0083)	ND (0.0073)	ND (0.0067)	ND (0.0088)	ND (0.0065)	ND (0.0095)
Carbon tetrachloride Chlorobenzene	0.29 27	0.066 1.3	ND (0.008) ND (0.008)	ND (0.007) ND (0.007)	ND (0.0089) ND (0.0089)	ND (0.0078) ND (0.0078)	ND (0.0067) ND (0.0067)	ND (0.0083) ND (0.0083)	ND (0.0075) ND (0.0075)	ND (0.0073) ND (0.0073)	ND (0.0088) ND (0.0088)	ND (0.011) ND (0.011)	ND (0.0064) ND (0.0064)	ND (0.0096) ND (0.0096)	ND (0.0063) ND (0.0063)	ND (0.0073) ND (0.0073)	ND (0.0059) ND (0.0059)	ND (0.0083) ND (0.0083)	ND (0.0073) ND (0.0073)	ND (0.0067) ND (0.0067)	ND (0.0088) ND (0.0088)	ND (0.0065) ND (0.0065)	ND (0.0095) ND (0.0095)
Chlorobromomethane	*	*	ND (0.008)	ND (0.007)	ND (0.0089)	ND (0.0078)	ND (0.0067)	ND (0.0083)	ND (0.0075)	ND (0.0073)	ND (0.0088)	ND (0.011)	ND (0.0064)	ND (0.0096)	ND (0.0063)	ND (0.0073)	ND (0.0059)	ND (0.0083)	ND (0.0073)	ND (0.0067)	ND (0.0088)	ND (0.0065)	ND (0.0095)
Chloroethane Chloroform (Trichloromethane)	10 1.2	0.65 0.47	ND (0.008) ND (0.008)	ND (0.007) ND (0.007)	ND (0.0089) ND (0.0089)	ND (0.0078) ND (0.0078)	ND (0.0067) ND (0.0067)	ND (0.0083) ND (0.0083)	ND (0.0075) ND (0.0075)	ND (0.0073) ND (0.0073)	ND (0.0088) ND (0.0088)	ND (0.011) ND (0.011)	ND (0.0064) ND (0.0064)	ND (0.0096) ND (0.0096)	ND (0.0063) ND (0.0063)	ND (0.0073) ND (0.0073)	ND (0.0059) ND (0.0059)	ND (0.0083) ND (0.0083)	ND (0.0073) ND (0.0073)	ND (0.0067) ND (0.0067)	ND (0.0088) ND (0.0088)	ND (0.0065) ND (0.0065)	ND (0.0095) ND (0.0095)
Chloromethane (Methyl Chloride)	*	*	ND (0.008)	ND (0.007)	ND (0.0089)	ND (0.0078)	ND (0.0067)	ND (0.0083)	ND (0.0075)	ND (0.0073)	ND (0.0088)	ND (0.011)	ND (0.0064)	ND (0.0096)	ND (0.0063)	ND (0.0073)	ND (0.0059)	ND (0.0083)	ND (0.0073)	ND (0.0067)	ND (0.0088)	ND (0.0065)	ND (0.0095)
cis-1,2-Dichloroethene	5.8	0.4	ND (0.008)	ND (0.007)	ND (0.0089)	ND (0.0078)	ND (0.0067)	ND (0.0083)	ND (0.0075)	ND (0.0073)	ND (0.0088)	ND (0.011)	ND (0.0064)	ND (0.0096)	ND (0.0063)	ND (0.0073)	ND (0.0059)	ND (0.0083)	ND (0.0073)	ND (0.0067)	ND (0.0088)	ND (0.0065)	ND (0.0095)
cis-1,3-Dichloropropene Cymene (p-Isopropyltoluene)	*	*	ND (0.008) ND (0.032)	ND (0.007) ND (0.028)	ND (0.0089) ND (0.036)	ND (0.0078) ND (0.032)	ND (0.0067) ND (0.027)	ND (0.0083) ND (0.034)	ND (0.0075) ND (0.03)	ND (0.0073) ND (0.03)	ND (0.0088) ND (0.036)	ND (0.011) ND (0.044)	ND (0.0064) ND (0.026)	ND (0.0096) ND (0.039)	ND (0.0063) ND (0.026)	ND (0.0073) ND (0.029)	ND (0.0059) ND (0.024)	ND (0.0083) ND (0.034)	ND (0.0073) ND (0.03)	ND (0.0067) ND (0.027)	ND (0.0088) ND (0.036)	ND (0.0065) ND (0.026)	ND (0.0095) ND (0.038)
Dibromochloromethane	*	*	ND (0.008)	ND (0.007)	ND (0.0089)	ND (0.0078)	ND (0.0067)	ND (0.0083)	ND (0.0075)	ND (0.0073)	ND (0.0088)	ND (0.011)	ND (0.0064)	ND (0.0096)	ND (0.0063)	ND (0.0073)	ND (0.0059)	ND (0.0083)	ND (0.0073)	ND (0.0067)	ND (0.0088)	ND (0.0065)	ND (0.0095)
Dibromomethane Dichlorodifluoromethane (CFC-12)	*	*	ND (0.008) ND (0.008)	ND (0.007) ND (0.007)	ND (0.0089) ND (0.0089)	ND (0.0078) ND (0.0078) UJ	ND (0.0067) ND (0.0067) UI	ND (0.0083) ND (0.0083) UI	ND (0.0075) ND (0.0075) UI	ND (0.0073) ND (0.0073) UI	ND (0.0088) ND (0.0088) UI	ND (0.011) ND (0.011)	ND (0.0064) ND (0.0064)	ND (0.0096) ND (0.0096)	ND (0.0063) ND (0.0063)	ND (0.0073) ND (0.0073) UI	ND (0.0059) ND (0.0059) UI	ND (0.0083) ND (0.0083) UI	ND (0.0073) ND (0.0073) UI	ND (0.0067) ND (0.0067) UI	ND (0.0088) ND (0.0088) UI	ND (0.0065) ND (0.0065) UI	ND (0.0095) ND (0.0095)
Ethylbenzene	160	13	ND (0.008)	ND (0.007)	ND (0.0089)	ND (0.0078)	ND (0.0067)	ND (0.0083)	ND (0.0075)	ND (0.0073)	ND (0.0088)	ND (0.011)	ND (0.0064)	ND (0.0096)	ND (0.0063)	ND (0.0073)	ND (0.0059)	ND (0.0083)	ND (0.0073)	ND (0.0067)	ND (0.0088)	ND (0.0065)	ND (0.0095)
Hexachlorobutadiene Isopropylbenzene	44 *	16	ND (0.032) ND (0.008)	ND (0.028) ND (0.007)	ND (0.036) ND (0.0089)	ND (0.032) ND (0.0078)	ND (0.027) ND (0.0067)	ND (0.034) ND (0.0083)	ND (0.03) ND (0.0075)	ND (0.03) ND (0.0073)	ND (0.036) ND (0.0088)	ND (0.044) ND (0.011)	ND (0.026) ND (0.0064)	ND (0.039) ND (0.0096)	ND (0.026) ND (0.0063)	ND (0.029) ND (0.0073)	ND (0.024) ND (0.0059)	ND (0.034) ND (0.0083)	ND (0.03) ND (0.0073)	ND (0.027) ND (0.0067)	ND (0.036) ND (0.0088)	ND (0.026) ND (0.0065)	ND (0.038) ND (0.0095)
m&p-Xylene	*	*	ND (0.008)	ND (0.007)	ND (0.0089)	ND (0.0078)	ND (0.0067)	ND (0.0083)	ND (0.0075)	ND (0.0073)	ND (0.0088)	ND (0.011)	ND (0.0064)	ND (0.0096)	ND (0.0063)	ND (0.0073)	ND (0.0059)	ND (0.0083)	ND (0.0073)	ND (0.0067)	ND (0.0088)	ND (0.0065)	ND (0.0095)
Methylene chloride	1.8	0.023	0.0033 J	0.003 J	0.0036 J	ND (0.016)	ND (0.014)	ND (0.017)	ND (0.015)	ND (0.015)	ND (0.018)	0.0041 J	0.0027 J	0.0039 J	0.0028 J	ND (0.015)	ND (0.012)	ND (0.017)	ND (0.015)	ND (0.014)	ND (0.018)	ND (0.013)	ND (0.019)
Naphthalene n-Butylbenzene	170	0.7	ND (0.008) ND (0.032)	ND (0.007) ND (0.028)	ND (0.0089) ND (0.036)	ND (0.0078) ND (0.032)	ND (0.0067) ND (0.027)	ND (0.0083) ND (0.034)	ND (0.0075) ND (0.03)	ND (0.0073) ND (0.03)	ND (0.0088) ND (0.036)	ND (0.011) ND (0.044)	ND (0.0064) ND (0.026)	ND (0.0096) ND (0.039)	ND (0.0063) ND (0.026)	ND (0.0073) ND (0.029)	ND (0.0059) ND (0.024)	ND (0.0083) ND (0.034)	ND (0.0073) ND (0.03)	ND (0.0067) ND (0.027)	ND (0.0088) ND (0.036)	ND (0.0065) ND (0.026)	ND (0.0095) ND (0.038)
n-Propylbenzene	*	*	ND (0.032)	ND (0.028)	ND (0.036)	ND (0.032)	ND (0.027)	ND (0.034)	ND (0.03)	ND (0.03)	ND (0.036)	ND (0.044)	ND (0.026)	ND (0.039)	ND (0.026)	ND (0.029)	ND (0.024)	ND (0.034)	ND (0.03)	ND (0.027)	ND (0.036)	ND (0.026)	ND (0.038)
o-Xylene Styrene	550	3.5	ND (0.008) ND (0.008)	ND (0.007) ND (0.007)	ND (0.0089) ND (0.0089)	ND (0.0078) ND (0.0078)	ND (0.0067) ND (0.0067)	ND (0.0083) ND (0.0083)	ND (0.0075) ND (0.0075)	ND (0.0073) ND (0.0073)	ND (0.0088) ND (0.0088)	ND (0.011) ND (0.011)	ND (0.0064) ND (0.0064)	ND (0.0096) ND (0.0096)	ND (0.0063) ND (0.0063)	ND (0.0073) ND (0.0073)	ND (0.0059) ND (0.0059)	ND (0.0083) ND (0.0083)	ND (0.0073) ND (0.0073)	ND (0.0067) ND (0.0067)	ND (0.0088) ND (0.0088)	ND (0.0065) ND (0.0065)	ND (0.0095) ND (0.0095)
tert-Butylbenzene	*	*	ND (0.032)	ND (0.028)	ND (0.036)	ND (0.032)	ND (0.027)	ND (0.034)	ND (0.03)	ND (0.03)	ND (0.036)	ND (0.044)	ND (0.026)	ND (0.039)	ND (0.026)	ND (0.029)	ND (0.024)	ND (0.0033)	ND (0.03)	ND (0.007)	ND (0.036)	ND (0.000)	ND (0.038)
Tetrachloroethene	0.64 240	0.058	0.0061 J ND (0.008)	0.17 ^b ND (0.007)	0.0026 J ND (0.0089)	0.069 ^b ND (0.0078)	0.006 J ND (0.0067)	0.026 ND (0.0083)	0.036 ND (0.0075)	0.13 ^b ND (0.0073)	0.037 ND (0.0088)	0.0071 J ND (0.011)	0.016 ND (0.0064)	ND (0.0096) ND (0.0096)	0.0098 ND (0.0063)	0.072 ^b ND (0.0073)	0.14 ^b ND (0.0059)	0.013 ND (0.0083)	0.011 ND (0.0073)	0.066 ^b ND (0.0067)	0.0022 J ND (0.0088)	0.0076 ND (0.0065)	ND (0.0095) ND (0.0095)
Toluene trans-1,2-Dichloroethene	240 14	0.68	ND (0.008) ND (0.008)	ND (0.007) ND (0.007)	ND (0.0089) ND (0.0089)	ND (0.0078) ND (0.0078)	ND (0.0067) ND (0.0067)	ND (0.0083) ND (0.0083)	ND (0.0075) ND (0.0075)	ND (0.0073) ND (0.0073)	ND (0.0088) ND (0.0088)	ND (0.011) ND (0.011)	ND (0.0064) ND (0.0064)	ND (0.0096) ND (0.0096)	ND (0.0063) ND (0.0063)	ND (0.0073) ND (0.0073)	ND (0.0059) ND (0.0059)	ND (0.0083) ND (0.0083)	ND (0.0073) ND (0.0073)	ND (0.0067) ND (0.0067)	ND (0.0088) ND (0.0088)	ND (0.0065) ND (0.0065)	ND (0.0095) ND (0.0095)
trans-1,3-Dichloropropene	*	*	ND (0.008)	ND (0.007)	ND (0.0089)	ND (0.0078)	ND (0.0067)	ND (0.0083)	ND (0.0075)	ND (0.0073)	ND (0.0088)	ND (0.011)	ND (0.0064)	ND (0.0096)	ND (0.0063)	ND (0.0073)	ND (0.0059)	ND (0.0083)	ND (0.0073)	ND (0.0067)	ND (0.0088)	ND (0.0065)	ND (0.0095)
Trichloroethene Trichlorofluoromethane (CFC-11)	0.082	0.057	ND (0.008) ND (0.008) UJ	0.035 ND (0.007) UJ	ND (0.0089) ND (0.0089) UJ	0.0099 ND (0.0078)	0.00096 J ND (0.0067)	0.0029 J ND (0.0083)	0.0077 ND (0.0075)	0.024 ND (0.0073)	ND (0.0088) ND (0.0088)	ND (0.011) ND (0.011) UJ	0.0013 J ND (0.0064) UJ	ND (0.0096) ND (0.0096) UI	0.00072 J ND (0.0063) UJ	0.0049 J ND (0.0073)	0.017 ND (0.0059)	ND (0.0083) ND (0.0083)	0.00045 J ND (0.0073)	ND (0.0067) ND (0.0067)	ND (0.0088) ND (0.0088)	0.0006 J ND (0.0065)	ND (0.0095) ND (0.0095)
Vinyl chloride	0.013	0.013	ND (0.008)	ND (0.007)	ND (0.0089)	ND (0.0078)	ND (0.0067)	ND (0.0083)	ND (0.0075)	ND (0.0073)	ND (0.0088)	ND (0.011)	ND (0.0064)	ND (0.0096)	ND (0.0063)	ND (0.0073)	ND (0.0059)	ND (0.0083)	ND (0.0073)	ND (0.0067)	ND (0.0088)	ND (0.0065)	ND (0.0095)

IDEM - Indiana Department of Environmental Management

RISC - Risk Integrated System of Closure IDCL - Industrial Default Closure Level

RDCL - Residential Default Closure Level

* - Criteria not established for this analyte.

-- - Not Analyzed

BGS - below ground surface
mg/kg - milligrams per kilogram
ND(1.1) - Analyte not detected at quantitation limit in parenthesis.

J - The associated value is an estimated quantity.

UJ - The material was analyzed for, but was not detected. The associated value is an estimate and may be inaccurate or imprecise.

SUMMARY OF SHALLOW SUBSURFACE SOIL SVOC, PCB, AND GENERAL CHEMISTRY ANALYTICAL DATA - SWMUs 1 AND 2 RADIO MATERIALS CORPORATION ATTICA, INDIANA

TABLE 4.8

B-135 B-136 B-137 B-137 B-147 B-153 Sample Location: B-125 Sample ID: IDEM IDEM S-091703-MG-309 S-091703-MG-302 S-091703-MG-299 S-091703-MG-295 S-091703-MG-296 S-091603-MG-275 S-091503-MG-259 9/17/2003 9/15/2003 9/17/2003 9/17/2003 9/17/2003 9/17/2003 9/16/2003 Sample Date: RISC RISC Sample Depth. IDCI RDCI 4-6 ft BGS 4-6 ft BGS 6-8 ft BGS 8-10 ft BGS 8-10 ft BGS 8-10 ft BGS 4-6 ft BGS Duplicate b Semivolatile Organic Compounds (mg/kg) 1,2,4-Trichlorobenzene 77 ND (0.33) ND (0.33) ND (0.33) ND (0.33) ND (0.38) ND (0.37) ND (0.33) 5.3 1,2-Dichlorobenzene 220 ND (0.33) ND (0.33) ND (0.33) ND (0.33) ND (0.38) 0.063 J ND (0.33) 17 ND (0.37) 1.3-Dichlorobenzene 2.7 0.2 ND (0.33) ND (0.33) ND (0.33) ND (0.33) ND (0.38) ND (0.33) 3.4 2.2 1,4-Dichlorobenzene ND (0.33) ND (0.33) ND (0.33) ND (0.33) ND (0.38) ND (0.37) ND (0.33) 2,2'-oxybis(1-Chloropropane) 0.26 0.027 ND (0.33) ND (0.33) ND (0.33) ND (0.33) ND (0.38) ND (0.37) ND (0.33) (bis(2-chloroisopropyl) ether) ND (0.33) 2,4,5-Trichlorophenol ND (0.33) ND (0.33) ND (0.33) ND (0.38) ND (0.37) ND (0.33) 2.4.6-Trichlorophenol 0.2 0.07 ND (0.33) ND (0.33) ND (0.33) ND (0.33) ND (0.38) ND (0.37) ND (0.33) 2,4-Dichlorophenol ND (0.33) ND (0.33) ND (0.33) ND (0.33) ND (0.38) ND (0.37) ND (0.33) 3 1.1 25 ND (0.33) ND (0.33) ND (0.33) ND (0.38) ND (0.37) 2,4-Dimethylphenol ND (0.33) ND (0.33) ND (2.0) UI 2,4-Dinitrophenol 0.82 0.29 ND (2.0) UI ND (2.0) UI ND (2.0) U ND (2.3) ND (2.2) ND (2.0) 2,4-Dinitrotoluene ND (0.33) ND (0.38) ND (0.33) ND (0.33) ND (0.33) ND (0.33) ND (0.37) 2,6-Dinitrotoluene ND (0.33) ND (0.33) ND (0.33) ND (0.33) ND (0.38) ND (0.37) ND (0.33) 560 2-Chloronaphthalene 42 ND (0.33) ND (0.33) ND (0.33) ND (0.33) ND (0.38) ND (0.37) ND (0.33) 2-Chlorophenol 10 0.75 ND (0.33) ND (0.33) ND (0.33) ND (0.33) ND (0.38) ND (0.37) ND (0.33) 2-Methylnaphthalene 210 16 ND (0.33) ND (0.33) ND (0.33) ND (0.33) ND (0.38) 1.0 ND (0.33) 39 ND (0.33) ND (0.33) ND (0.33) ND (0.33) ND (0.38) ND (0.37) ND (0.33) 2-Methylphenol 14 2-Nitroaniline 0.036 0.013 ND (2.0) ND (2.0) ND (2.0) ND (2.0) ND (2.3) ND (2.2) ND (2.0) ND (0.33) ND (0.38) ND (0.37) 2-Nitrophenol ND (0.33) ND (0.33) ND (0.33) ND (0.33) 3.3'-Dichlorobenzidine 0.21 0.062 ND (2.0) UJ ND (2.0) ND (2.0) UJ ND (2.0) UJ ND (2.3) ND (2.2) ND (2.0) 3-Nitroaniline ND (2.0) ND (2.0) ND (2.0) ND (2.0) ND (2.3) ND (2.2) ND (2.0) 4,6-Dinitro-2-methylphenol ND (2.0) ND (2.0) ND (2.0) ND (2.0) ND (2.3) ND (2.2) ND (2.0) 4-Bromophenyl phenyl ether ND (0.33) ND (0.33) ND (0.33) ND (0.33) ND (0.38) ND (0.37) ND (0.33) ND (0.38) 4-Chloro-3-methylphenol ND (0.33) ND (0.33) ND (0.33) ND (0.33) ND (0.37) ND (0.33) 4-Chloroaniline 2.7 0.97 ND (0.33) ND (0.33) ND (0.33) ND (0.33) ND (0.38) ND (0.37) ND (0.33) 4-Chlorophenyl phenyl ether ND (0.33) ND (0.33) ND (0.33) ND (0.33) ND (0.38) ND (0.37) ND (0.33) 4-Methylphenol 1.1 ND (0.33) ND (0.33) ND (0.33) ND (0.33) ND (0.38) ND (0.37) ND (0.33) 4-Nitroaniline ND (2.0) ND (2.0) ND (2.0) ND (2.0) ND (2.3) ND (2.2) ND (2.0) 4-Nitrophenol ND (2.0) ND (2.0) ND (2.0) ND (2.0) ND (2.3) ND (2.2) ND (2.0) Acenaphthene 1200 130 ND (0.33) ND (0.33) ND (0.33) ND (0.33) ND (0.38) 0.036 J ND (0.33) 180 ND (0.33) Acenaphthylene 18 ND (0.33) ND (0.33) ND (0.33) ND (0.38) ND (0.37) ND (0.33) Aniline ND (1.0) UI ND (1.0) UI ND (1.0) UI ND (0.99) UI ND (1.2) ND (1.1) UJ ND (0.98) UJ Anthracene 51 51 ND (0.33) UJ ND (0.33) UJ ND (0.33) UJ ND (0.33) UJ ND (0.38) ND (0.37) ND (0.33) Benzo(a)anthracene 15 ND (0.33) ND (0.33) ND (0.33) ND (0.33) ND (0.38) 0.027 J ND (0.33) 1.5 0.50 ND (0.33) ND (0.33) ND (0.33) ND (0.33) ND (0.38) ND (0.37) ND (0.33) Benzo(a)pyrene Benzo(b)fluoranthene 15 5 ND (0.33) ND (0.33) ND (0.33) ND (0.33) ND (0.38) ND (0.37) ND (0.33) 16 16 ND (0.33) UJ ND (0.33) ND (0.33) UJ ND (0.33) UJ ND (0.38) ND (0.37) ND (0.33) Benzo(g,h,i)perylene Benzo(k)fluoranthene 39 39 ND (0.33) ND (0.33) ND (0.33) ND (0.33) ND (0.38) ND (0.37) ND (0.33) Benzoic acid 1600 590 ND (2.0) UI ND (2.0) UI ND (2.0) UI ND (2.0) UI ND (2.3) ND (2.2) UI ND (2.0) UI Benzyl Alcohol 140 48 ND (0.33) ND (0.33) ND (0.33) ND (0.33) ND (0.38) ND (0.37) UJ ND (0.33) UJ bis(2-Chloroethoxy)methane ND (0.33) ND (0.33) ND (0.33) ND (0.33) ND (0.38) ND (0.37) ND (0.33) ND (0.38) 0.012 0.0007 ND (0.33) ND (0.33) ND (0.33) ND (0.33) bis(2-Chloroethyl)ether ND (0.37) ND (0.33) bis(2-Ethylhexyl)phthalate 980 300 ND (0.33) ND (0.33) ND (0.33) ND (0.33) ND (0.38) 0.63 ND (0.33) Butyl benzylphthalate 310 310 ND (0.33) ND (0.33) ND (0.33) ND (0.33) ND (0.38) ND (0.37) ND (0.33) Chrysene 25 25 ND (0.33) ND (0.33) ND (0.33) ND (0.33) ND (0.38) 0.025 J ND (0.33) ND (0.33) UJ ND (0.37) Dibenz(a,h)anthracene 1.5 0.5 ND (0.33) UI ND (0.33) ND (0.33) UI ND (0.38) ND (0.33) Dibenzofuran 65 4.9 ND (0.33) ND (0.33) ND (0.33) ND (0.33) ND (0.38) 0.072 I ND (0.33) Diethyl phthalate 840 450 ND (0.33) ND (0.33) ND (0.33) ND (0.33) ND (0.38) ND (0.37) ND (0.33) Dimethyl phthalate 1100 1100 ND (0.33) ND (0.33) ND (0.33) ND (0.33) ND (0.38) ND (0.37) ND (0.33) Di-n-butylphthalate 760 ND (0.33) ND (0.33) ND (0.33) ND (0.33) ND (0.38) 0.40 ND (0.33) 760 Di-n-octyl phthalate 2000 2000 ND (0.33) ND (0.33) ND (0.33) ND (0.33) ND (0.38) 0.054 I ND (0.33) ND (0.33) ND (0.33) ND (0.33) ND (0.33) ND (0.38) 0.032 J Fluoranthene 880 880 ND (0.33) Fluorene 1100 170 ND (0.33) ND (0.33) ND (0.33) ND (0.33) ND (0.38) 0.059 I ND (0.33) ND (0.33) ND (0.33) ND (0.33) ND (0.33) ND (0.37) Hexachlorobenzene 3.9 2.2 ND (0.38) ND (0.33) Hexachlorobutadiene 44 ND (0.33) ND (0.33) ND (0.33) ND (0.33) ND (0.38) ND (0.37) ND (0.33) 16 Hexachlorocyclopentadiene 720 400 ND (0.33) ND (0.33) ND (0.33) ND (0.33) ND (0.38) ND (0.37) ND (0.33) 7.7 ND (0.37) Hexachloroethane 2.8 ND (0.33) ND (0.33) ND (0.33) ND (0.33) ND (0.38) ND (0.33) Indeno(1,2,3-cd)pyrene 3.1 3.1 ND (0.33) UJ ND (0.33) ND (0.33) UJ ND (0.33) UJ ND (0.38) ND (0.37) ND (0.33) ND (0.38) Isophorone 18 5.3 ND (0.33) ND (0.33) ND (0.33) ND (0.33) ND (0.37) ND (0.33) Naphthalene 170 0.7 ND (0.33) ND (0.33) ND (0.33) ND (0.33) ND (0.38) ND (0.37) UJ ND (0.33) UJ ND (0.37) Nitrobenzene 0.34 0.028 ND (0.33) ND (0.33) ND (0.33) ND (0.33) ND (0.38) ND (0.33) N-Nitrosodimethylamine ND (2.0) ND (2.0) ND (2.0) ND (2.0) ND (2.3) ND (2.2) ND (2.0) N-Nitrosodi-n-propylamine 0.002 0.0006 ND (0.33) ND (0.33) ND (0.33) ND (0.33) ND (0.38) ND (0.37) ND (0.33) ND (0.33) 32 9.7 ND (0.33) ND (0.33) ND (0.33) N-Nitrosodiphenylamine ND (0.33) ND (0.38) ND (0.37) Pentachlorophenol 0.66 0.028 ND (2.0) ND (2.0) ND (2.0) ND (2.0) ND (2.3) ND (2.2) ND (2.0) Phenanthrene 170 13 ND (0.33) UJ ND (0.33) UJ ND (0.33) UJ ND (0.33) UJ ND (0.38) 0.22 J ND (0.33)

Pyrene

160

570

56

570

ND (0.33)

ND (0.38)

ND (0.38)

0.50

0.030 J

ND (0.33)

ND (0.33)

EPA ARCHIVE DOCUMENT

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SUMMARY OF SHALLOW SUBSURFACE SOIL SVOC, PCB, AND GENERAL CHEMISTRY ANALYTICAL DATA - SWMUs 1 AND 2 RADIO MATERIALS CORPORATION ATTICA, INDIANA

Sample Location: Sample ID: Sample Date: Sample Depth:	IDEM RISC IDCL a	IDEM RISC RDCL b	B-125 S-091703-MG-309 9/17/2003 4-6 ft BGS	B-135 S-091703-MG-302 9/17/2003 4-6 ft BGS	B-136 S-091703-MG-299 9/17/2003 6-8 ft BGS	B-137 S-091703-MG-295 9/17/2003 8-10 ft BGS	B-137 S-091703-MG-296 9/17/2003 8-10 ft BGS Duplicate	B-147 S-091603-MG-275 9/16/2003 8-10 ft BGS	B-153 S-091503-MG-259 9/15/2003 4-6 ft BGS
Polychlorinated Biphenyls (mg/kg)									
Aroclor-1016 (PCB-1016)	*	*	ND (0.096)	ND (0.098)	ND (0.083)	ND (0.11)	ND (0.089)	ND (0.11)	ND (0.099)
Aroclor-1221 (PCB-1221)	*	*	ND (0.20)	ND (0.20)	ND (0.17)	ND (0.21)	ND (0.18)	ND (0.21)	ND (0.20)
Aroclor-1232 (PCB-1232)	*	*	ND (0.096)	ND (0.098)	ND (0.083)	ND (0.11)	ND (0.089)	ND (0.11)	ND (0.099)
Aroclor-1242 (PCB-1242)	*	*	ND (0.096)	ND (0.098)	ND (0.083)	ND (0.11)	ND (0.089)	ND (0.11)	ND (0.099)
Aroclor-1248 (PCB-1248)	*	*	ND (0.096)	ND (0.098)	ND (0.083)	ND (0.11)	ND (0.089)	ND (0.11)	ND (0.099)
Aroclor-1254 (PCB-1254)	*	*	ND (0.096)	ND (0.098)	ND (0.083)	ND (0.11)	ND (0.089)	ND (0.11)	ND (0.099)
Aroclor-1260 (PCB-1260)	*	*	ND (0.096)	ND (0.098)	ND (0.083)	ND (0.11)	ND (0.089)	ND (0.11)	ND (0.099)
General Chemistry									
Cyanide (total) (mg/kg)	*	*	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.08)	

Notes:

IDEM - Indiana Department of Environmental Management

RISC - Risk Integrated System of Closure

IDCL - Industrial Default Closure Level

RDCL - Residential Default Closure Level

 $^{\star}\,$ - Criteria not established for this analyte.

-- - Not Analyzed

BGS - below ground surface

mg/kg - milligrams per kilogram

 $\ensuremath{\mathrm{ND}}(1.1)\,$ - Analyte not detected at quantitation limit in parenthesis.

 $\boldsymbol{J}\,$ - $\,$ The associated value is an estimated quantity.

UJ - The material was analyzed for, but was not detected. The associated value is an estimate and may be inaccurate or imprecise.

Sample Location: Sample ID: Sample Date: Sample Depth:	IDEM RISC IDCL a	IDEM RISC RDCL b	Background Subsurface c	B-101 S-082203-MG-106 8/22/2003 6-8 ft BGS	B-102 S-082203-MG-108 8/22/2003 4-6 ft BGS	B-103 S-082603-MG-112 8/26/2003 4-6 ft BGS	B-103 S-082603-MG-113 8/26/2003 4-6 ft BGS Duplicate	B-104 S-082703-MG-125 8/27/2003 6-8 ft BGS	B-105 S-082703-MG-128 8/27/2003 2-4 ft BGS	B-106 S-082703-MG-130 8/27/2003 2-4 ft BGS	B-107 S-082703-MG-132 8/27/2003 4-6 ft BGS	B-108 S-082703-MG-134 8/27/2003 4-6 ft BGS	B-109 S-082803-MG-136 8/28/2003 4-6 ft BGS	B-109 S-082803-MG-137 8/28/2003 4-6 ft BGS Duplicate	B-110 S-082803-MG-139 8/28/2003 8-10 ft BGS	B-111 S-082603-MG-110 8/26/2003 6-8 ft BGS	B-112 S-082603-MG-115 8/26/2003 2-4 ft BGS	B-113 S-090503-MG-189 9/5/2003 4-6 ft BGS
Metals (mg/kg)																		
Aluminum	*	*	27562	4080	3660	6270	8590	24000	20000	20000	31700°	41600°	16500	32200°	3270	2300	20200	15300
Antimony	37	5.4	0.252	0.08 J	0.09 J	ND (0.06) UJ	0.13 J	ND (0.06) UJ	ND (0.06) UJ	0.1 J	ND (0.06) UJ	ND (0.08) UJ	0.22 J	0.17 J	0.39 J ^c	0.13 J	0.13 J	0.37 J ^c
Arsenic	20	3.9	10.6	12.1 ^{bc}	8.4^{b}	5.7 ^b	74^{abc}	9.8 ^b	15.9 ^{bc}	15.4 ^{bc}	17.2 ^{bc}	12.3 ^{bc}	10.2 ^b	13 ^{bc}	6.7 ^b	10.3 ^b	10.5 ^b	25.4 J ^{abc}
Barium	5900	1600	181	19.4	22.2	49.2	69.7	106 J	172	155	173	157	140	161	16.9	23.4	161	86.9
Beryllium	2300	63	0.86	0.13	0.19	0.31	0.43	0.53	0.93°	0.71	0.84	1.01 ^c	0.76	0.95°	0.11	0.16	0.71	0.66
Cadmium	77	7.5	0.341	0.15	0.17	0.16	0.3	0.24	0.39 ^c	0.25	0.28	0.25	0.21	0.26	0.12	0.18	0.27	0.24
Calcium	*	*	147894	105000	89300	74600	39200	11300	4590	40200	4020	7690	3830	4530	117000	80500 J	3870	3120 J
Chromium Total	120	38	34.6	6.7	11.3	9.8	12.5	28.4	29.6	24.4	31.9	37.3°	17.3	28.5	5.9	4.3	22.5	19.1 J
Cobalt	*	*	16.6	5.3	4.5	4.2	8.4	14.2	10	9	14.5	10.2	9.6	9.5	6.7	4.7	12	9.8
Copper	2700	920	24.0	12.5	16.3	10.5	23	32.5°	26.1°	31.7°	23.1	31.5°	18	24.8°	18.4	14.5 J	19.6	25.3 J ^c
Cyanide (total)	*	*	-															
Iron	*	*	40017	16500	33200	11500	26700	35000	31900	54500°	45100°	42400°	43700°	35300	32300	20100 J	28000	48200°
Lead	230	81	40.8	15.8	49.6°	9.53	22.7	30.5 J	33.6	31.5	26.4	26	24.7	36.9	11.4	15.8	23.1	45.1°
Magnesium	*	*	48865	39000	37500	39700	25000	8860	4960	10100	4460	6700	3400	5240	42500	35300 J	3620	2880 J
Manganese	*	*	1360	485	1200	398	547	1240	1110	2990°	1380°	941	1060	1070	408	754 J	1480°	1110 J
Mercury	32	2.1	0.101	ND (0.02)	ND (0.02)	0.02	0.03	0.04	0.04	0.04	0.04	0.06	0.04	0.04	ND (0.02)	ND (0.02)	0.05	0.07
Nickel	2700	950	44.4	26.5	28.7	19.2	25.9	34.1	39.2	27.4	26.8	26.8	22.8	28.2	15.8	28.3 J	23.2	24.5 J
Potassium	*	*	2479	1020	638	804	886	1770	1530	1540	2420	1990	887	1890	ND (413)	521	1180	638
Selenium	53	5.2	-	ND (1.1)	ND (0.8)	ND (1.1)	ND (1.1)	ND (1.2)	ND (1.2)	ND (1.3)	1.2	1.7	ND (1.3)	ND (1.3)	ND (1)	ND (1)	ND (1.2)	ND (1.1)
Silver	87	31	0.132	ND (0.02)	0.2^{c}	ND (0.02)	0.05	0.05	0.06	0.04	0.05	0.09	0.05	0.07	0.04	ND (0.02)	0.07	0.06
Sodium	*	*	177	137	135	133	127	285°	ND (108)	ND (85.3)	ND (80.5)	ND (103)	ND (58.3)	ND (78.4)	242°	109	49	83
Thallium	10	2.8	0.41	0.17	0.21	0.19	0.55°	0.24	0.62 ^c	0.42 ^c	0.38	0.37	0.37	$0.44^{\rm c}$	0.17	0.21	0.31	0.54 ^c
Vanadium	*	*	36.3	8.3	13.3	20.7	25.3	27.3	35.2	30.7	29.6	33.8	30	46.5°	10	11.6	36.3	28
Zinc	10000	10000	120	64.5	63.8	48.5	89.9	119	74.3	81.8	118	135°	112	106	37	64.7 J	74.8	81.8

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Sample Location: Sample ID: Sample Date: Sample Depth:	IDEM RISC IDCL a	IDEM RISC RDCL b	Background Subsurface c	B-114 S-090903-MG-200 9/9/2003 2-4 ft BGS	B-114 S-090903-MG-201 9/9/2003 8-10 ft BGS	B-115 S-090903-MG-202 9/9/2003 2-4 ft BGS	B-116 S-090903-MG-204 9/9/2003 4-6 ft BGS	B-117 S-090903-MG-206 9/9/2003 2-4 ft BGS	B-117 S-090903-MG-207 9/9/2003 2-4 ft BGS Duplicate	B-117 S-090903-MG-208 9/9/2003 8-10 ft BGS	B-118 S-090903-MG-209 9/9/2003 2-4 ft BGS	B-118 S-090903-MG-210 9/9/2003 8-10 ft BGS	B-119 S-090903-MG-211 9/9/2003 4-6 ft BGS	B-120 S-082803-MG-141 8/28/2003 6-8 ft BGS	B-121 S-082603-MG-117 8/26/2003 4-6 ft BGS	B-122 S-090503-MG-187 9/5/2003 2-4 ft BGS	B-122 S-090503-MG-188 9/5/2003 8-10 ft BGS	B-123 S-090503-MG-191 9/5/2003 2-4 ft BGS
Metals (mg/kg)																		
Aluminum	*	*	27562	26400	2420 J	15700	5600	11600	11700	45000°	7030	1700	6300	4560	12900	7150	8690	9640
Antimony	37	5.4	0.252	0.15 J	0.09 J	0.15 J	ND (0.05) UJ	0.16 J	0.11 J	0.14 J	0.1 J	0.05 J	ND (0.06) UJ	5.99 J ^{bc}	0.28 J ^c	0.1 J	0.15 J	0.1 J
Arsenic	20	3.9	10.6	10.2 ^b	6.2 J ^b	7.4^{b}	6.9 ^b	3.2 J	6.2 J ^b	11.1 ^{bc}	13.3 ^{bc}	5 ^b	4^{b}	10.3 ^b	8.2 ^b	5.4 ^b	14.8 ^{bc}	5.4 ^b
Barium	5900	1600	181	114	14.7 J	70.7	20.3	61.1 J	119 J	149	23.3	10	25.6	15.6	118	121	99.6	155
Beryllium	2300	63	0.86	0.77	0.13 J	0.42	0.13	0.31 J	0.58 J	1.07 ^c	0.2	0.09	0.21	0.14	0.68	0.48	0.62	0.73
Cadmium	77	7.5	0.341	0.21	0.12	0.11	0.1	0.16	0.22	0.2	0.19	0.13	0.13	0.11	0.16	0.24	0.52 ^c	0.17
Calcium	*	*	147894	4610	124000	3520	77200	1650	1260	6540	57700	78500	106000	135000 J	3370	1820	2260	2020
Chromium Total	120	38	34.6	34.2	4.2	27.6	16	14.2	14.8	38.6 ^{bc}	8.9	6	7.9	8.1	17.7	10.9	13	11.1
Cobalt	*	*	16.6	11.9	3.5	10.4	5	9.5	10.2	11.6	5.7	2.1	4.2	4.5	9.5	10.6	7.8	11.2
Copper	2700	920	24.0	24.9°	11.7 J	15.6	8.4	6.9 J	11.7 J	23.2	42.2°	10.1	12	9.2 J	13.5 J	10.3	22.8	12
Cyanide (total)	*	*	-															
Iron	*	*	40017	44300°	11100 J	28300	12500	18700	18700	42200°	17900	6580	11400	32000	27700	14700	28600	16100
Lead	230	81	40.8	26.7	10.7	10.7	9.55	13.2	20.6	30.6	15.6	6.64	6.68	8.11 J	18.1	16.7	21.4	17
Magnesium	*	*	48865	4650	43000	5430	30100	1890	1930	6000	34100	24400	27700	55300 J ^c	2550 J	1760	2540	1980
Manganese	*	*	1360	1170	311 J	602	412	970	1000	1050	497	240	524	441	795	1270	850	1060
Mercury	32	2.1	0.101	0.07	ND (0.02)	0.03	ND (0.02)	0.04	0.03	0.06	0.02	ND (0.02)	ND (0.02)	ND (0.02)	0.04	0.02	0.03	0.02
Nickel	2700	950	44.4	24.8	18 J	22.7	20.3	7.7 J	14.4 J	25.8	20.8	19.8	20.5	20.1	17.9 J	12.6	32.9	14.2
Potassium	*	*	2479	1660	ND (430)	ND (459)	1260	497	567	2450	518	ND (417)	619	589	975	694	1040	906
Selenium	53	5.2	-	ND (1.2)	ND (1.1)	ND (1.2)	ND (1.1)	ND (1.2)	ND (1.2)	1.6	ND (1.2)	ND (1)	ND (1.1)	ND (0.9)	ND (1.1)	ND (1.2)	ND (1.2)	ND (1.2)
Silver	87	31	0.132	0.06	ND (0.02)	0.03	0.02	0.05	0.05	0.09	ND (0.02)	ND (0.02)	ND (0.02)	0.05	0.07	0.04	0.06	0.05
Sodium	*	*	177	57	114	30.5	99.1	ND (24)	ND (24)	70.2	97.4	70.2	69	ND (146)	40.3	ND (46)	ND (48)	ND (49)
Thallium	10	2.8	0.41	0.3	0.15 J	0.23	0.11	0.11 J	0.21 J	0.43 ^c	0.14	0.13	0.17	0.16 J	0.23	0.24	0.37	0.3
Vanadium	*	*	36.3	33.4	10.7	29.5	12.7	12.3 J	25.1 J	39.2°	17.3	8.5	15.2	9	21.5 J	23.1	28.9	32.2
Zinc	10000	10000	120	104	33 J	87.2	49.4	51.7	55.7	134°	55.8	24.1	44.6	54.4	72	45.9	90.6	47.4

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Sample Location: Sample ID: Sample Date: Sample Depth:	IDEM RISC IDCL a	IDEM RISC RDCL b	Background Subsurface c	B-124 S-090903-MG-198 9/9/2003 2-4 ft BGS	B-124 S-090903-MG-199 9/9/2003 8-10 ft BGS	B-125 S-091703-MG-308 9/17/2003 0.5-1 ft BGS	B-125 S-091703-MG-309 9/17/2003 4-6 ft BGS	B-125 S-091703-MG-310 9/17/2003 8-10 ft BGS	B-126 S-091703-MG-304 9/17/2003 0.5-1 ft BGS	B-126 S-091703-MG-305 9/17/2003 4-6 ft BGS	B-126 S-091703-MG-306 9/17/2003 4-6 ft BGS Duplicate	B-127 S-091603-MG-290 9/16/2003 0.5-1 ft BGS	B-127 S-091603-MG-291 9/16/2003 6-8 ft BGS	B-127 S-091603-MG-292 9/16/2003 6-8 ft BGS Duplicate	B-128 S-091603-MG-287 9/16/2003 0.5-1 ft BGS	B-128 S-091603-MG-288 9/16/2003 6-8 ft BGS	B-129 S-091003-MG-213 9/10/2003 4-6 ft BGS	B-130 S-082803-MG-143 8/28/2003 8-10 ft BGS
Metals (mg/kg)																		
Aluminum	*	*	27562	8690	20100	10400	11900	3640	9250	15400	14700	6350	3210	2680	7310	3160	14400	2740
Antimony	37	5.4	0.252	0.1 J	0.12 J	0.24 J	0.13 J	0.09 J	0.32 J ^c	0.65 J ^c	0.4 J ^c	0.13 J	0.11 J	0.24 J	0.15 J	0.14 J	0.13 J	0.1 J
Arsenic	20	3.9	10.6	6.5 ^b	8.5 ^b	6.7 ^b	8.5 ^b	6.8 ^b	6.3 ^b	43.8 J ^{abc}	16.2 J ^{bc}	4.6 ^b	6.3 ^b	6.2 ^b	5 ^b	3.5	11.7 ^{bc}	3.1
Barium	5900	1600	181	142	93.6	126	62.5	22.5	63.8	99.7	114	54.9	14.2 J	27 J	102	15	98.9	15.3
Beryllium	2300	63	0.86	0.56	0.59	0.53	0.43	0.17	0.35	0.73	0.56	0.31	0.11 J	0.19 J	0.39	0.16	0.5	0.12
Cadmium	77	7.5	0.341	0.27	0.36°	0.37^{c}	0.21	0.27	0.23	0.43°	0.3	0.2	0.16	0.19	0.33	0.16	0.41 ^c	0.12
Calcium	*	*	147894	1880	4410	3210	2230	113000	2360	2310	2280	1280	127000	128000	1860	102000	5140	103000
Chromium Total	120	38	34.6	12.9	26.9	14.3	13.4	7.8	14	30.6	18.5	12.9	6.6	5.1	10.8	18.9	21.6	6
Cobalt	*	*	16.6	9.9	10.9	9.8	11.6	2.9	8.4	13	11.4	8.3	2.1	2.9	8.4	3.9	14.1	5.7
Copper	2700	920	24.0	13.7	22.4	15.5	30.3°	13.6	9.9	30°	21.2	8.5	10.8	13	9.8	8.7	30.4^{c}	7.2
Cyanide (total)	*	*	-															
Iron	*	*	40017	17300	33600	18400	34900	15100	15000	69000 J ^c	38700 J	15800	12500	13600	12800	15000	51900°	9930
Lead	230	81	40.8	19.2	18.1	24.2	16.4	12.3	15.7	51.7°	50.3°	12.2	7.25	8.92	21.3	6.54	21.8	8.84
Magnesium	*	*	48865	1820	4690	2760	2820	54300°	1960	3450	2620	2070	48200	38800	1510	42000	4310	38000
Manganese	*	*	1360	1210	1000	1100	840	821	582	1220	1210	696	756	1050	984	414	1720°	377
Mercury	32	2.1	0.101	0.03	0.03	0.04	0.02	ND (0.02)	0.02	0.03	0.03	0.02	ND (0.02)	ND (0.02)	0.03	ND (0.02)	0.03	ND (0.02)
Nickel	2700	950	44.4	15.9	26.8	17.9	17.2	28.2	12.3	27.9	27.4	14.3	22.6	22.1	11.3	24.1	29.7	19.4
Potassium		*	2479	807	2050	1600	935	904	1760	1330	1270	754	626	522	1220	595	1480	514
Selenium	53	5.2	-	ND (1.2)	ND (1.2)	ND (1.2)	ND (1.1)	ND (1.1)	ND (1.1)	ND (1.2)	ND (1.1)	ND (1.1)	ND (1.1)	ND (1.1)	ND (1.2)	ND (1)	ND (1.1)	ND (1.1)
Silver	87	31	0.132	0.21°	0.12	0.34°	0.02	ND (0.02)	0.15 ^c	0.06	0.06	0.03	ND (0.02)	ND (0.02)	0.18 ^c	ND (0.02)	0.04	ND (0.02)
Sodium	*	*	177	ND (24)	157	ND (24)	ND (22)	141	34.8	46.7	24.8	ND (22)	121	105	ND (24)	105	130	ND (134)
Thallium	10	2.8	0.41	0.26	0.35	0.28	0.24	0.14	0.17	0.81 J ^c	0.45 J ^c	0.21	0.1 J	0.22 J	0.16	0.13	0.45 ^c	0.14
Vanadium	*	*	36.3	28.6	25.5	25.4	20.4	10.9	17.9	34.6	25.9	17.2	9	10.4	16	8.5	32.5	9.3
Zinc	10000	10000	120	54.1	163°	72	80.9	122 ^c	56.4	110	88.9	49.7	40.7	50.5	49.3	54.7	131°	36.3

TABLE 4.9 Page 4 of 8

Sample Location: Sample ID: Sample Date: Sample Depth:	IDEM RISC IDCL a	IDEM RISC RDCL b	Background Subsurface c	B-131 S-082603-MG-119 8/26/2003 2-4 ft BGS	B-132 S-090403-MG-184 9/4/2003 2-4 ft BGS	B-132 S-090403-MG-185 9/4/2003 8-10 ft BGS	B-133 S-090503-MG-193 9/5/2003 2-4 ft BGS	B-133 S-090503-MG-194 9/5/2003 2-4 ft BGS Duplicate	B-134 S-090503-MG-196 9/5/2003 2-4 ft BGS	B-135 S-091703-MG-301 9/17/2003 0.5-1 ft BGS	B-135 S-091703-MG-302 9/17/2003 4-6 ft BGS	B-136 S-091703-MG-298 9/17/2003 0.5-1 ft BGS	B-136 S-091703-MG-299 9/17/2003 6-8 ft BGS	B-137 S-091703-MG-294 9/17/2003 0.5-1 ft BGS	B-137 S-091703-MG-295 9/17/2003 8-10 ft BGS	B-137 S-091703-MG-296 9/17/2003 8-10 ft BGS Duplicate	B-138 S-091603-MG-284 9/16/2003 0.5-1 ft BGS	B-138 S-091603-MG-285 9/16/2003 6-8 ft BGS
Metals (mg/kg)																		
Aluminum	*	*	27562	16900	9860	3820	13600	9820	16400	14400	28200 J ^c	16100	16500	9390	19100	15900	6550	7450
Antimony	37	5.4	0.252	0.2 J	0.18 J	ND (0.05) UJ	0.11 J	0.13 J	0.14 J	0.12 J	0.27 J ^c	0.09 J	0.19 J	0.08 J	0.11 J	0.1 J	0.17 J	0.07 J
Arsenic	20	3.9	10.6	15.5 ^{bc}	10 ^b	2.9	24.4 J ^{abc}	12.7 J ^{bc}	6.6 ^b	5.8 ^b	9.9 ^b	7.2 ^b	14.8 ^{bc}	6.8 ^b	12.5 ^{bc}	11.5 ^{bc}	4.4^{b}	3.4
Barium	5900	1600	181	163	65.7	17.7	105	131	92.6	158	166	177	128	181	108	71.4	127	31.4
Beryllium	2300	63	0.86	0.72	0.43	0.14	0.63	0.59	0.43	0.56	0.66	0.54	0.63	0.55	0.6	0.58	0.53	0.15
Cadmium	77	7.5	0.341	0.3	0.19	0.1	0.27	0.36 ^c	0.13	0.36 ^c	0.19	0.43°	0.34	0.36°	0.29	0.3	0.37^{c}	0.13
Calcium	*	*	147894	3660	1820	77300	3350 J	5950 J	2880	2180	3470 J	1800	2240	1810	2720	2660	1640	71600
Chromium Total	120	38	34.6	26.7	16	7	19.4	12	19.4	17.8	31.8 J	21.8	20.7	12.5	33.5 J	16.6 J	10.2	9
Cobalt	*	*	16.6	14.4	7.6	4.6	8.2	6.7	11.1	11.3	10.6	14.4	12.9	11.6	9.2	9	9.7	4.5
Copper	2700	920	24.0	22.3	14.7	8	23.8	25.9°	13.5	13.1	15.3 J	12.8	16.7	15.5	24.2°	35.2°	10.6	9
Cyanide (total)	*	*	-															
Iron	*	*	40017	37000	24900	9470	25000	33200	27800	18000	36500 J	20000	31600	14900	33400	23600	13200	12000
Lead	230	81	40.8	34	16.2	7.56	30.2	27.4	14.5	18.4	18.6	18.9	21	17	51.2 J ^c	25 J	16.7	5.84
Magnesium	*	*	48865	3640	2990	28500	3360	4150	2990	2590	4140 J	2670	3090	1910	4660	3440	1700	29400
Manganese	*	*	1360	1360	781	470	818	1070	1060	1400°	760	1060	949	1780°	897	813	1290	315
Mercury	32	2.1	0.101	0.05	0.03	ND (0.02)	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
Nickel	2700	950	44.4	29.7	17.3	16.3	26.8	30.1	14.1	17.7	20.5 J	17.3	25	17.4	20.7	25.6	13.6	21.9
Potassium	*	*	2479	957	765	678	1290	583 J	1110	1920	2450	1330	1320	1090	1600	1560	607	1630
Selenium	53	5.2	-	2.1	ND (1.1)	ND (1.1)	ND (1.2)	ND (1.2)	ND (1.1)	ND (1.2)	ND (1.2)	ND (1.2)	ND (1.2)	ND (1.2)	ND (1.3)	2.4	ND (1.2)	ND (1.1)
Silver	87	31	0.132	0.07	0.05	ND (0.02)	0.03	0.04	0.1	0.11	0.05	35.3 ^{bc}	2.22 ^c	0.16 ^c	0.05	0.06	0.06	ND (0.02)
Sodium	*	*	177	41.2	63	77.9	89.2	62.8	ND (45)	47.6	52.7	43.5	42.7	34	44.6	42.4	ND (23)	294°
Thallium	10	2.8	0.41	0.44°	0.2	0.13	0.39	0.4	0.2	0.32	0.35	0.25	0.25	0.22	0.32 J	0.19 J	0.22	0.13
Vanadium	*	*	36.3	33.4	18.8	6.7	25.7	25.3	21.5	28.5	46.9 J ^c	32.5	29.9	23.7	31.8	19.9	17	11.6
Zinc	10000	10000	120	209°	66.3	46.8	63.5	83.4	82.6	63.8	83.9 J	59.9	79.4	53.4	155°	105	44.7	53.7

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Sample Location: Sample ID: Sample Date: Sample Depth:	IDEM RISC IDCL a	IDEM RISC RDCL b	Background Subsurface c	B-139 S-091003-MG-215 9/10/2003 2-4 ft BGS	B-140 S-082803-MG-145 8/28/2003 4-6 ft BGS	B-141 S-082603-MG-121 8/26/2003 6-8 ft BGS	B-142 S-082603-MG-123 8/26/2003 4-6 ft BGS	B-143 S-090403-MG-182 9/4/2003 4-6 ft BGS	B-144 S-090403-MG-179 9/4/2003 2-4 ft BGS	B-144 S-090403-MG-180 9/4/2003 2-4 ft BGS Duplicate	B-145 S-091503-MG-265 9/15/2003 0.5-1 ft BGS	B-145 S-091503-MG-266 9/15/2003 6-8 ft BGS	B-146 S-091503-MG-268 9/15/2003 0.5-1 ft BGS	B-146 S-091503-MG-269 9/15/2003 6-8 ft BGS	B-147 S-091603-MG-274 9/16/2003 0.5-1 ft BGS	B-147 S-091603-MG-275 9/16/2003 8-10 ft BGS	B-148 S-091603-MG-281 9/16/2003 0.5-1 ft BGS	B-148 S-091603-MG-282 9/16/2003 4-6 ft BGS
Metals (mg/kg)																		
Aluminum	*	*	27562	7090	9070	2380	24400	14500	19300	17200	7100	3550	7320	12900 J	14400	7440	8170	24700
Antimony	37	5.4	0.252	0.1 J	0.2 J	0.26 J ^c	0.36 J ^c	0.27 J ^c	0.27 J ^c	0.21 J	0.17 J	0.1 J	0.11 J	0.19 J	0.18 J	0.56 J ^c	0.13 J	0.21 J
Arsenic	20	3.9	10.6	5.3 ^b	6.2 ^b	11.3 ^{bc}	33 ^{abc}	8.9 ^b	9.3 ^b	9.6 ^b	4.1^{b}	5.3 ^b	4^{b}	45.5 J ^{abc}	8.7 ^b	7.9 ^b	5.5 ^b	23.3 ^{abc}
Barium	5900	1600	181	126	64.2	37	110	101	129	149	98.9	15.8	58.9	121 J	110	4240 ^{bc}	83	133
Beryllium	2300	63	0.86	0.55	0.39	0.13	0.74	0.51	0.65	0.77	0.45	0.16	0.31	0.63 J	0.58	0.31	0.44	0.73
Cadmium	77	7.5	0.341	0.25	0.16	0.19	0.33	0.16	0.13	0.13	0.24	0.2	0.21	0.37 ^c	0.17	1.65°	0.22	0.17
Calcium	*	*	147894	1610	1240	95400	5020	13200	2630	2850	1820	117000	1260	1620 J	4070	36800	1340	3160
Chromium Total	120	38	34.6	10.9	14.7	6.8	29.1	23.7	20.8	18.4	10.9	6.6	11.5	24.7	17.4	10.5	12.4	34
Cobalt	*	*	16.6	12	7.7	4.8	14	9.6	10.9	11.2	12.3	4.7	9	8.1	10.7	6.7	8	16.7°
Copper	2700	920	24.0	10.7	15.8	10	21.8	15.5	13.4	14.9	10.6	14.1	7.6	27.7 J ^c	16.1	196°	10	22.1
Cyanide (total)	*	*	-															
Iron	*	*	40017	14500	32000	19000	77500°	54000°	25300	25600	14300	12000	14200	27000 J	24900	15900	12700	37400
Lead	230	81	40.8	15.2	17.4	11.9	39.1	18.9	17.2	18	15.7	12.7	12.9	50.5 J ^c	20.5	105 ^{bc}	14.7	23
Magnesium	*	*	48865	1790	2410	40600	3800	8940	3360	3160	1630	31900	1850	2950	3720	22400	1620	5630
Manganese	*	*	1360	1300	1020	606	1600°	853	790	804	1590°	437	837	732	893	582	973	851
Mercury	32	2.1	0.101	0.03	0.03	ND (0.02)	0.06	0.03	0.04	0.04	0.03	ND (0.02)	ND (0.02)	0.04	0.03	ND (0.02)	0.02	0.05
Nickel	2700	950	44.4	14.9	18.3	30	27.1	18.8	17.1	20	10.6	25.1	9.5	27.3 J	18.6	20.4	14.2	24.1
Potassium	*	*	2479	721	847	444	1420	1080	1180	835	571	670	805	818	1020	1060	923	1650
Selenium	53	5.2	-	ND (1.2)	ND (1.1)	6.6 ^b	2.7	ND (1.1)	ND (1.2)	ND (1.2)	ND (1.2)	ND (1.1)	ND (1.1)	ND (1.2)	ND (1.1)	ND (1.1)	ND (1.1)	ND (1.2)
Silver	87	31	0.132	0.03	0.03	ND (0.02)	0.06	0.05	0.1	0.05	0.04	ND (0.02)	0.03	0.03	0.2 ^c	24.6°	0.03	0.05
Sodium	*	*	177	26.9	ND (54.7)	102	30.8	51.1	46.6	62.1	32.6	125	43.7	59	24.3	2520°	35.6	54.6
Thallium	10	2.8	0.41	0.21	0.23	0.28	0.32	0.26	0.21	0.32	0.17	0.17	0.15	0.45 J ^c	0.26	0.26	0.21	0.34
Vanadium	*	*	36.3	22.9	19.3	9.38	30.3	28	30.4	46.8°	16.2	9.4	12.8	32.3 J	26.2	17	19.7	45.1°
Zinc	10000	10000	120	44.7	94	48.7	299°	71.3	61.1	59.1	42	54.7	42.7	75.5 J	68.9	77.7	40.9	92.2

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Sample Location: Sample ID: Sample Date: Sample Depth:	IDEM RISC IDCL a	IDEM RISC RDCL b	Background Subsurface c	B-149 S-091003-MG-217 9/10/2003 2-4 ft BGS	B-150 S-082803-MG-147 8/28/2003 4-6 ft BGS	B-151 S-090403-MG-177 9/4/2003 4-6 ft BGS	B-152 S-091503-MG-261 9/15/2003 0.5-1 ft BGS	B-152 S-091503-MG-262 9/15/2003 6-8 ft BGS	B-152 S-091503-MG-263 9/15/2003 6-8 ft BGS Duplicate	B-153 S-091503-MG-258 9/15/2003 0.5-1 ft BGS	B-153 S-091503-MG-259 9/15/2003 4-6 ft BGS	B-153 S-091503-MG-260 9/15/2003 8-10 ft BGS	B-154 S-091203-MG-251 9/12/2003 0.5-1 ft BGS	B-155 S-091503-MG-255 9/15/2003 0.5-1 ft BGS	B-156 S-091003-MG-220 9/10/2003 8-10 ft BGS	B-158 S-090403-MG-173 9/4/2003 2-4 ft BGS	B-159 S-091203-MG-247 9/12/2003 0.5-1 ft BGS	B-159 S-091203-MG-248 9/12/2003 4-6 ft BGS
Metals (mg/kg)																		
Aluminum	*	*	27562	20100 J	5740	1870	13500	3370	3130	14500	2410	2050	15300	18900	2520	16400	14500	2390
Antimony	37	5.4	0.252	0.11 J	0.13 J	0.1 J	0.38 J ^c	0.09 J	0.08 J	0.13 J	0.08 J	0.08 J	0.27 ^c	0.18 J	0.06 J	0.21 J	0.11	0.07
Arsenic	20	3.9	10.6	16.6 J ^{bc}	6.3 ^b	3.5	50.1 ^{abc}	4.4^{b}	5.2 ^b	8.2 ^b	3.7	4.9^{b}	12.8 ^{bc}	8.1 ^b	6.6 ^b	32 ^{abc}	15.1 ^{bc}	2.9
Barium	5900	1600	181	108	59.7	13.3	103	15.5	19.7	123	10.8	20.6	94.1	139	12.2	146	108	9.23
Beryllium	2300	63	0.86	0.74	0.48	0.14	0.89 ^c	0.15	0.19	0.67	0.13	0.19	0.53	0.64	0.12	0.79	0.6	0.16
Cadmium	77	7.5	0.341	0.25	0.31	0.14	0.2	0.23	0.21	0.13	0.14	0.19	0.14	0.14	0.17	0.42 ^c	0.24	0.1
Calcium	*	*	147894	2980 J	5630	105000	2980	124000 J	67600 J	3140	89900	99100	2430	4120	97000	2980	21800	68600
Chromium Total	120	38	34.6	21.7	8.1	4.7	21.7	7.6	6.5	17.6	4.5	4.1	19.1	20.5	4.8	18.7	22.3	5
Cobalt	*	*	16.6	8.5	5.3	2.9	9.2	3	3.5	10	3.4	3.1	10.4	12.5	3.6	12.6	8.5	3.2
Copper	2700	920	24.0	19.6 J	16.2	9.5	28.9°	13.3	13.9	21.2	10	12.2	17.1	13.8	10.8	48.6°	34.1°	8.6
Cyanide (total)	*	*	-								ND (0.2)							
Iron	*	*	40017	27300	15100	8920	50500°	10800	9680	23100	8930	8120	31500	25900	8360	34600	25900	7300
Lead	230	81	40.8	20.3	8.72	8.09	43.7°	8.24	10	19.1	5.92	6.48	25.2	18.3	4.5	29.8	18.3	6.34
Magnesium	*	*	48865	3140	4010	43900	2690	26600	32500	3310	27100	27500	3380	3940	24300	4380	14800	18000
Manganese	*	*	1360	825	695	712	707	536 UJ	288 UJ	604	361	310	783	823	332	1320	918	292
Mercury	32	2.1	0.101	0.04	ND (0.02)	ND (0.02)	0.04	ND (0.02)	ND (0.02)	0.04	ND (0.02)	ND (0.02)	0.02	0.04	ND (0.02)	0.03	ND (0.02)	ND (0.02)
Nickel	2700	950	44.4	24.1 J	19	19.6	39	20.9	18.7	19.9	19.6	22.4	20.6	16.5	22.3	39.2	24.4	13.7
Potassium		*	2479	1370	ND (477)	ND (418)	754	733	814	745	476	456	792	1100	429	1440	874	476
Selenium	53	5.2	-	ND (1.3)	ND (1)	ND (1.1)	ND (1.2)	ND (1.1)	ND (1.1)	ND (1.2)	ND (1)	ND (1)	ND (1.2)	ND (1.2)	ND (1.1)	ND (1.2)	ND (1.2)	ND (1.1)
Silver	87	31	0.132	0.06	0.03	ND (0.02)	0.05	ND (0.02)	ND (0.02)	0.08	ND (0.02)	ND (0.02)	0.04	0.08	ND (0.02)	0.04	0.04	ND (0.02)
Sodium	*	*	177	45.4	ND (58.3)	101	45.6	101	126	50.4	103	93.9	47	46.5	86.9	90.9	83.5	97.6
Thallium	10	2.8	0.41	0.35	0.23	0.16	0.44 ^c	0.16	0.19	0.29	0.14	0.16	0.32	0.25	0.1	0.55°	0.31	0.08
Vanadium	*	*	36.3	35.6 J	20.7	7.9	36.7°	8.4	11.5	27.9	6.7	12.6	28.4	31.9	9	53.2°	26.1	7.5
Zinc	10000	10000	120	111	70.4	38.1	78.6	67.6	45.6	70.3	43.5	51.6	73.9	62.3	48.3	83.4	97.8	47.5

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Sample Location: Sample ID: Sample Date: Sample Depth:	IDEM RISC IDCL a	IDEM RISC RDCL b	Background Subsurface c	B-159 S-091203-MG-249 9/12/2003 4-6 ft BGS Duplicate	B-160 S-091203-MG-244 9/12/2003 0.5-1 ft BGS	B-161 S-091103-MG-241 9/11/2003 0.5-1.5 ft BGS	B-161 S-091103-MG-242 9/11/2003 6-8 ft BGS	B-162 S-091003-MG-224 9/10/2003 0.5-1 ft BGS	B-163 S-091003-MG-222 9/10/2003 6-8 ft BGS	B-165 S-090403-MG-171 9/4/2003 8-10 ft BGS	B-167 S-091103-MG-234 9/11/2003 0.5-1.5 ft BGS	B-168 S-091103-MG-231 9/11/2003 0.5-1.5 ft BGS	B-169 S-091103-MG-228 9/11/2003 0.5-1.5 ft BGS	B-170 S-090403-MG-175 9/4/2003 6-8 ft BGS	B-172 S-090303-MG-169 9/3/2003 4-6 ft BGS	B-173 S-090303-MG-166 9/3/2003 4-6 ft BGS	B-173 S-090303-MG-167 9/3/2003 4-6 ft BGS Duplicate	B-174 S-090303-MG-164 9/3/2003 8-10 ft BGS
Metals (mg/kg)																		
Aluminum	*	*	27562	2700	3020	2570	2000	3620	2370	3910	3600	2540	3020	6580	2420	2380	2400	2710
Antimony	37	5.4	0.252	0.07	0.12	0.15 J	0.05 J	0.09 J	0.95 J ^c	0.23 J	0.07 J	0.08 J	0.18 J	0.12 J	0.09	0.09	0.09	0.07
Arsenic	20	3.9	10.6	4.1^{b}	7.2 ^b	6.5 ^b	5.9 ^b	4.5 ^b	62.8 ^{abc}	8.7 ^b	6.3 ^b	2	6.2 ^b	4.7 ^b	3.3	4^{b}	3.4	3.7
Barium	5900	1600	181	12.4	18.3	9.81	11.2	15.9	26	21.4	12.7	16.2	14.5	29.6	8.94	11.8	11.1	11.7
Beryllium	2300	63	0.86	0.17	0.19	0.12	0.11	0.22	0.12	0.2	0.13	0.07	0.12	0.21	0.12	0.13	0.09	0.13
Cadmium	77	7.5	0.341	0.14	0.16	0.14	0.15	0.15	0.21	0.22	0.14	0.16	0.16	0.23	0.12	0.13	0.12	0.13
Calcium	*	*	147894	64400	133000	135000	155000°	69800	86600	44300	130000	111000	52500	101000	69700	112000	109000	82500
Chromium Total	120	38	34.6	6.3	6.7	5.5	3.5	6.6	5.8	8	6.2	5.2	6.1	20.4	5.7	4.8	6.3	8.4
Cobalt	*	*	16.6	2.8	3.9	6.5	2.6	4.6	15.4	5.5	4.8	3.2	4.6	6.5	2.9	3.5	3.5	3.3
Copper	2700	920	24.0	11	14.8	9.2	11.4	10.9	14.8	14.1	11.5	6.7	10	17.6	9	9.3	9	9.2
Cyanide (total)	*	*	-															
Iron	*	*	40017	8060	15300	18500	7090	14300	97000°	20800	14400	8650	33300	19500	7430	9860	8400	8420
Lead	230	81	40.8	7.98	10.6	8.42	8.48	6.3	37.3	11.8	9.78	7.05	9	6.55	5.33	6.53	6.86	5.71
Magnesium	*	*	48865	17000	22300	43900	49500°	23200	28700	24300	25400	27700	22800	29700	16400	32700	29000	24600
Manganese	*	*	1360	267	651	482	370	395	278	987	557	294	885	703	225	346	296	342
Mercury	32	2.1	0.101	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)
Nickel	2700	950	44.4	16.2	22.7	24.5	20.6	19	41	19.8	21.7	17.2	18.9	22.9	14.5	16	17.3	16.1
Potassium	*	*	2479	539	577	413	451	764	533	ND (457)	731	422	593	1340	583	467	442	566
Selenium	53	5.2	-	ND (1)	ND (1)	ND (1)	ND (1.1)	ND (1)	ND (1)	ND (1.1)	ND (1.1)	ND (1)	ND (1.1)	ND (1.1)	ND (1)	ND (0.9)	ND (1.1)	ND (1)
Silver	87	31	0.132	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	0.09	ND (0.02)	0.04	ND (0.02)	0.03	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)
Sodium	*	*	177	94.6	108	149	144	102	94.6	112	160	87.1	97.5	106	71	105	97	99
Thallium	10	2.8	0.41	0.15	0.27	0.15	0.1	0.13	0.6 ^c	0.24	0.13	0.09	0.12	0.19	0.16	0.08	0.1	0.16
Vanadium	*	*	36.3	10.4	13.1	8.3	8.5	13.7	8.6	11.8	10.8	7.3	8	23.6	6.7	9.7	6.7	9.5
Zinc	10000	10000	120	41.7	57.5	55.1	32	70	78.4	90.5	72.7	36.2	81	47.3	35.4	48.4	37.6	39.4

TABLE 4.9 Page 8 of 8

SUMMARY OF SHALLOW SUBSURFACE SOIL METALS ANALYTICAL DATA - SWMUs 1 AND 2 RADIO MATERIALS CORPORATION ATTICA, INDIANA

Sample Location: Sample ID: Sample Date: Sample Depth:	IDEM RISC IDCL a	IDEM RISC RDCL b	Background Subsurface c	B-179 S-091503-MG-271 9/15/2003 0.5-1 ft BGS	B-179 S-091503-MG-272 9/15/2003 6-8 ft BGS	B-180 S-091603-MG-277 9/16/2003 0.5-1 ft BGS	B-180 S-091603-MG-278 9/16/2003 8-10 ft BGS	B-180 S-091603-MG-279 9/16/2003 8-10 ft BGS Duplicate	B-210 S-082504-MG-034 8/25/2004 0-2 ft BGS	B-210 S-082504-MG-035 8/25/2004 0-2 ft BGS Duplicate	B-211 S-082504-MG-037 8/25/2004 0-2 ft BGS	B-212 S-082504-MG-039 8/25/2004 0-2 ft BGS	B-213 S-082604-MG-041 8/26/2004 0-2 ft BGS
Metals (mg/kg)													
Aluminum	*	*	27562	22400	1590	5680	5470 J	2860 J					
Antimony	37	5.4	0.252	0.23 J	0.06 J	0.12 J	0.2 J	0.24 J					
Arsenic	20	3.9	10.6	14.6 ^{bc}	2.2	3.8	7.5 ^b	5.5 ^b	12.8 ^{bc}	6.16 ^b	12.3 ^{bc}	10.4 ^b	7.81 ^b
Barium	5900	1600	181	108	6.35	75.3	24.9	17					
Beryllium	2300	63	0.86	0.55	0.08	0.37	0.15	0.1					
Cadmium	77	7.5	0.341	0.3	0.12	0.2	0.15	0.15					
Calcium	*	*	147894	10600	59200	792	86600	95300					
Chromium Total	120	38	34.6	29.7	3.7	9	8	9					
Cobalt	*	*	16.6	10.3	ND (2.3)	8.4	5.1	3.1					
Copper	2700	920	24.0	25.7°	6.7	9.6	14.8	11.6					
Cyanide (total)	*	*	-										
Iron	*	*	40017	40200°	4750	12100	20900	16300					
Lead	230	81	40.8	26.5	3.37	13.3	9.2	12.5					
Magnesium	*	*	48865	7450	14800	1910	50300°	41900					
Manganese	*	*	1360	1090	149	949	506	465					
Mercury	32	2.1	0.101	0.04	ND (0.02)	0.02	ND (0.02)	ND (0.02)					
Nickel	2700	950 *	44.4 2479	28.3	12.5	10.5	23.2	17.7					
Potassium Selenium	53	5.2		1630	ND (469)	464	494	ND (418)					
	53 87		0.100	ND (1.2)	ND (1.2)	ND (1.1)	ND (1.1)	ND (1.1)					
Silver	8/	31	0.132	0.12	ND (0.02)	0.11	0.02	0.02					
Sodium			177	92.3	80.7	ND (23)	105	94.6					
Thallium	10	2.8	0.41	0.38	0.06	0.15	0.13	0.15					
Vanadium			36.3	28.9	4.8	13.1	9.5	6					
Zinc	10000	10000	120	121°	24.3	37	52.2	45					

Notes:

IDEM - Indiana Department of Environmental Management

RISC - Risk Integrated System of Closure

IDCL - Industrial Default Closure Level

RDCL - Residential Default Closure Level

* - Criteria not established for this analyte.

-- - Not Analyzed

BGS - below ground surface

mg/kg - milligrams per kilogram

ND(1.1) - Analyte not detected at quantitation limit in parenthesis.

J - The associated value is an estimated quantity.

UJ - The material was analyzed for, but was not detected. The associated value is an estimate and may be inaccurate or imprecise.

TABLE 4.10 Page 1 of 6

												R-109									
Sample Location: Sample ID:	IDEM	IDEM	B-101 S-082203-MG-107	B-102 S-082203-MG-109	B-103 S-082603-MG-114	B-104 S-082703-MG-126	B-104 S-082703-MG-127	B-105 S-082703-MG-129	B-106 S-082703-MG-131	B-107 S-082703-MG-133	B-108 S-082703-MG-135	B-109 S-082803-MG-138	B-110 S-082803-MG-140	B-111 S-082603-MG-111	B-112 S-082603-MG-116	B-113 S-090503-MG-190	B-115 S-090903-MG-203	B-116 S-090903-MG-205	B-119 S-090903-MG-212	B-120 S-082803-MG-142	B-121 S-082603-MG-118
Sample Date:	RISC	RISC	8/22/2003	8/22/2003	8/26/2003	8/27/2003	8/27/2003	8/27/2003	8/27/2003	8/27/2003	8/27/2003	8/28/2003	8/28/2003	8/26/2003	8/26/2003	9/5/2003	9/9/2003	9/9/2003	9/9/2003	8/28/2003	8/26/2003
Sample Depth:	IDCL a	RDCL b	12-13.5 ft BGS	10-12.5 ft BGS	12-13 ft BGS	10-12 ft BGS	10-12 ft BGS Duplicate	12-13 ft BGS	10-12 ft BGS	12-13.5 ft BGS	12-14 ft BGS	12-14 ft BGS	13-15 ft BGS	12-14 ft BGS	10-12.5 ft BGS	10-12 ft BGS	12-14 ft BGS	10-12 ft BGS	10-12 ft BGS	14-16 ft BGS	10-12 ft BGS
		U					Dupitente														
Volatile Organic Compounds (mg/kg)	0.85	0.053	ND (0.0071) UI	ND (0.073)	NT (0.0000) 111	NID (0.00EE) 111	ND (0.0073) UI	ND (0.0074) 111	ND (0.0084) UI	NTD (0.0070) 1.11	NTD (0.00(8) TH	ND (0.0063)	ND (0.006)	NTD (0.0074) 111	NTD (0.0070) 111	NTD (0.00TE) 111	NTD (0.040)	ND (0.0055) UI	NTD (0.0054) 111	ND (0.0084)	ND (0.0062) UI
1,1,1,2-Tetrachloroethane 1,1,1-Trichloroethane	280	1.9	ND (0.0071) UJ ND (0.0071)	ND (0.073) ND (0.073)	ND (0.0073) UJ ND (0.0073)	ND (0.0077) UJ ND (0.0077)	ND (0.0073) UJ ND (0.0073)	ND (0.0074) UJ ND (0.0074)	ND (0.0084) UJ ND (0.0084)	ND (0.0078) UJ ND (0.0078)	ND (0.0062) UJ ND (0.0062)	ND (0.0063) ND (0.0063)	ND (0.006) ND (0.006)	ND (0.0074) UJ ND (0.0074)	ND (0.0072) UJ ND (0.0072)	ND (0.0075) UJ ND (0.0075)	ND (0.049) ND (0.049)	ND (0.0055) UJ ND (0.0055)	ND (0.0051) UJ ND (0.0051)	ND (0.0084) ND (0.0084)	ND (0.0062) UJ ND (0.0062)
1,1,2,2-Tetrachloroethane	0.11	0.007	ND (0.0071)	ND (0.073)	ND (0.0073)	ND (0.0077)	ND (0.0073)	ND (0.0074)	ND (0.0084)	ND (0.0078)	ND (0.0062)	ND (0.0063)	ND (0.006)	ND (0.0074)	ND (0.0072)	ND (0.0075)	ND (0.049)	ND (0.0055)	ND (0.0051)	ND (0.0084)	ND (0.0062)
1,1,2-Trichloroethane 1,1-Dichloroethane	0.3 58	0.03 5.6	ND (0.0071) ND (0.0071)	ND (0.073) ND (0.073)	ND (0.0073) ND (0.0073)	ND (0.0077) ND (0.0077)	ND (0.0073) ND (0.0073)	ND (0.0074) ND (0.0074)	ND (0.0084) ND (0.0084)	ND (0.0078) ND (0.0078)	ND (0.0062) ND (0.0062)	ND (0.0063) ND (0.0063)	ND (0.006) ND (0.006)	ND (0.0074) ND (0.0074)	ND (0.0072) ND (0.0072)	ND (0.0075) ND (0.0075)	ND (0.049) ND (0.049)	ND (0.0055) ND (0.0055) UJ	ND (0.0051) ND (0.0051) UJ	ND (0.0084) ND (0.0084)	ND (0.0062) ND (0.0062) UJ
1,1-Dichloroethene	42	0.058	ND (0.0071)	ND (0.073)	ND (0.0073)	ND (0.0077)	ND (0.0073)	ND (0.0074)	ND (0.0084)	ND (0.0078)	ND (0.0062)	ND (0.0063)	ND (0.006)	ND (0.0074)	ND (0.0072)	ND (0.0075)	ND (0.049)	ND (0.0055)	ND (0.0051)	ND (0.0084)	ND (0.0062)
1,1-Dichloropropene 1,2,3-Trichlorobenzene	*	*	ND (0.0071) ND (0.029)	ND (0.073) ND (0.30)	ND (0.0073) ND (0.029)	ND (0.0077) ND (0.031)	ND (0.0073) ND (0.029)	ND (0.0074) ND (0.03)	ND (0.0084) ND (0.034)	ND (0.0078) ND (0.031)	ND (0.0062) ND (0.025)	ND (0.0063) ND (0.026)	ND (0.006) ND (0.024)	ND (0.0074) ND (0.03)	ND (0.0072) ND (0.029)	ND (0.0075) ND (0.03) UJ	ND (0.049) ND (0.20)	ND (0.0055) ND (0.022)	ND (0.0051) ND (0.021)	ND (0.0084) ND (0.034)	ND (0.0062) ND (0.025)
1,2,3-Trichloropenzene 1,2,3-Trichloropropane	*	*	ND (0.0071)	ND (0.073)	ND (0.029)	ND (0.0077)	ND (0.029) ND (0.0073)	ND (0.0074)	ND (0.0084)	ND (0.031) ND (0.0078)	ND (0.0062)	ND (0.026) ND (0.0063)	ND (0.024) ND (0.006)	ND (0.0074)	ND (0.029) ND (0.0072)	ND (0.0075)	ND (0.20) ND (0.049)	ND (0.0022) ND (0.0055)	ND (0.021) ND (0.0051)	ND (0.034) ND (0.0084)	ND (0.023) ND (0.0062)
1,2,4-Trichlorobenzene	77	5.3	ND (0.029)	ND (0.30) UJ	ND (0.029)	ND (0.031)	ND (0.029)	ND (0.03)	ND (0.034)	ND (0.031)	ND (0.025)	ND (0.026)	ND (0.024)	ND (0.03)	ND (0.029)	ND (0.03)	ND (0.20)	ND (0.022)	ND (0.021)	ND (0.034)	ND (0.025)
1,2,4-Trimethylbenzene 1,2-Dibromo-3-chloropropane (DBCP)	170	2.5	ND (0.029) ND (0.029)	ND (0.30) ND (0.30) UJ	ND (0.029) ND (0.029)	ND (0.031) ND (0.031)	ND (0.029) ND (0.029)	ND (0.03) ND (0.03)	ND (0.034) ND (0.034)	ND (0.031) ND (0.031)	ND (0.025) ND (0.025)	ND (0.026) ND (0.026)	ND (0.024) ND (0.024)	ND (0.03) ND (0.03)	ND (0.029) ND (0.029)	ND (0.03) ND (0.03)	ND (0.20) ND (0.20)	ND (0.022) ND (0.022)	ND (0.021) ND (0.021)	ND (0.034) ND (0.034)	ND (0.025) ND (0.025)
1,2-Dibromoethane (Ethylene Dibromide)	*	*	ND (0.029)	ND (0.30)	ND (0.029)	ND (0.031)	ND (0.029)	ND (0.03)	ND (0.034)	ND (0.031)	ND (0.025)	ND (0.026)	ND (0.024)	ND (0.03)	ND (0.029)	ND (0.03)	ND (0.20)	ND (0.022)	ND (0.021)	ND (0.034)	ND (0.025)
1,2-Dichlorobenzene 1,2-Dichloroethane	220 0.15	17 0.024	ND (0.0071) ND (0.0071)	ND (0.073) ND (0.073)	ND (0.0073) ND (0.0073)	ND (0.0077) ND (0.0077)	ND (0.0073) ND (0.0073)	ND (0.0074) ND (0.0074)	ND (0.0084) ND (0.0084)	ND (0.0078) ND (0.0078)	ND (0.0062) ND (0.0062)	ND (0.0063) ND (0.0063)	ND (0.006) ND (0.006)	ND (0.0074) ND (0.0074)	ND (0.0072) ND (0.0072)	ND (0.0075) ND (0.0075)	ND (0.049) ND (0.049)	ND (0.0055) ND (0.0055)	ND (0.0051) ND (0.0051)	ND (0.0084) ND (0.0084)	ND (0.0062) ND (0.0062)
1,2-Dichloropropane	0.25	0.03	ND (0.0071)	ND (0.073)	ND (0.0073)	ND (0.0077)	ND (0.0073)	ND (0.0074)	ND (0.0084)	ND (0.0078)	ND (0.0062)	ND (0.0063)	ND (0.006)	ND (0.0074)	ND (0.0072)	ND (0.0075)	ND (0.049)	ND (0.0055) UJ	ND (0.0051) UJ	ND (0.0084)	ND (0.0062)
1,3,5-Trimethylbenzene	68	0.61	ND (0.029)	ND (0.30)	ND (0.029)	ND (0.031)	ND (0.029)	ND (0.03)	ND (0.034)	ND (0.031)	ND (0.025)	ND (0.026)	ND (0.024)	ND (0.03)	ND (0.029)	ND (0.03)	ND (0.20)	ND (0.022)	ND (0.021)	ND (0.034)	ND (0.025)
1,3-Dichlorobenzene 1,3-Dichloropropane	2.7	0.2	ND (0.0071) ND (0.0071)	ND (0.073) ND (0.073)	ND (0.0073) ND (0.0073)	ND (0.0077) ND (0.0077)	ND (0.0073) ND (0.0073)	ND (0.0074) ND (0.0074)	ND (0.0084) ND (0.0084)	ND (0.0078) ND (0.0078)	ND (0.0062) ND (0.0062)	ND (0.0063) ND (0.0063)	ND (0.006) ND (0.006)	ND (0.0074) ND (0.0074)	ND (0.0072) ND (0.0072)	ND (0.0075) ND (0.0075)	ND (0.049) ND (0.049)	ND (0.0055) ND (0.0055)	ND (0.0051) ND (0.0051)	ND (0.0084) ND (0.0084)	ND (0.0062) ND (0.0062)
1,4-Dichlorobenzene	3.4	2.2	ND (0.0071)	ND (0.073)	ND (0.0073)	ND (0.0077)	ND (0.0073)	ND (0.0074)	ND (0.0084)	ND (0.0078)	ND (0.0062)	ND (0.0063)	ND (0.006)	ND (0.0074)	ND (0.0072)	ND (0.0075)	ND (0.049)	ND (0.0055)	ND (0.0051)	ND (0.0084)	ND (0.0062)
2,2-Dichloropropane 2-Butanone (Methyl Ethyl Ketone)	250	* 35	ND (0.0071) ND (0.029)	ND (0.073) UJ ND (3.0)	ND (0.0073) ND (0.029)	ND (0.0077) ND (0.031)	ND (0.0073) ND (0.029)	ND (0.0074) ND (0.03)	ND (0.0084) ND (0.034)	ND (0.0078) ND (0.031)	ND (0.0062) ND (0.025)	ND (0.0063) ND (0.026)	ND (0.006) ND (0.024)	ND (0.0074) ND (0.03)	ND (0.0072) ND (0.029)	ND (0.0075) ND (0.03)	ND (0.049) ND (2.0)	ND (0.0055) ND (0.022) UJ	ND (0.0051) ND (0.021) UJ	ND (0.0084) ND (0.034)	ND (0.0062) ND (0.025) UJ
2-Chlorotoluene	*	*	ND (0.029)	ND (0.30)	ND (0.029)	ND (0.031)	ND (0.029)	ND (0.03)	ND (0.034)	ND (0.031)	ND (0.025)	ND (0.026)	ND (0.024)	ND (0.03)	ND (0.029)	ND (0.03)	ND (0.20)	ND (0.022)	ND (0.021)	ND (0.034)	ND (0.025)
2-Hexanone	*	*	ND (0.029)	ND (3.0) UJ	ND (0.029)	ND (0.031)	ND (0.029)	ND (0.03)	ND (0.034)	ND (0.031)	ND (0.025)	ND (0.026) UJ	ND (0.024) UJ	ND (0.03)	ND (0.029)	ND (0.03)	ND (2.0)	ND (0.022)	ND (0.021)	ND (0.034) UJ	ND (0.025)
2-Phenylbutane (sec-Butylbenzene) 4-Chlorotoluene 4-Methyl-2-Pentanone	*	*	ND (0.029) ND (0.029)	ND (0.30) ND (0.30)	ND (0.029) ND (0.029)	ND (0.031) ND (0.031)	ND (0.029) ND (0.029)	ND (0.03) ND (0.03)	ND (0.034) ND (0.034)	ND (0.031) ND (0.031)	ND (0.025) ND (0.025)	ND (0.026) ND (0.026)	ND (0.024) ND (0.024)	ND (0.03) ND (0.03)	ND (0.029) ND (0.029)	ND (0.03) ND (0.03)	ND (0.20) ND (0.20)	ND (0.022) ND (0.022)	ND (0.021) ND (0.021)	ND (0.034) ND (0.034)	ND (0.025) ND (0.025)
(Methyl Isobutyl Ketone)	75	20	ND (0.029)	ND (3.0)	ND (0.029)	ND (0.031)	ND (0.029)	ND (0.03)	ND (0.034)	ND (0.031)	ND (0.025)	ND (0.026)	ND (0.024)	ND (0.03)	ND (0.029)	ND (0.03)	ND (2.0)	ND (0.022) UJ	ND (0.021) UJ	ND (0.034)	ND (0.025)
Acetone Benzene	370 0.35	3.8 0.034	ND (0.071) UJ ND (0.0071)	0.38 J ND (0.073)	ND (0.073) UJ ND (0.0073)	ND (0.077) UJ ND (0.0077)	ND (0.073) UJ ND (0.0073)	ND (0.074) UJ ND (0.0074)	ND (0.084) UJ ND (0.0084)	ND (0.078) UJ ND (0.0078)	ND (0.062) UJ ND (0.0062)	ND (0.063) ND (0.0063)	ND (0.06) ND (0.006)	ND (0.074) UJ ND (0.0074)	ND (0.072) UJ ND (0.0072)	ND (0.075) UJ ND (0.0075)	ND (2.0) ND (0.049)	ND (0.055) UJ ND (0.0055)	ND (0.051) UJ ND (0.0051)	ND (0.084) ND (0.0084)	ND (0.062) UJ ND (0.0062)
Bromobenzene	*	*	ND (0.0071)	ND (0.30)	ND (0.0073)	ND (0.0077)	ND (0.0073)	ND (0.0074)	ND (0.0084)	ND (0.0078)	ND (0.0062)	ND (0.0063)	ND (0.006)	ND (0.0074)	ND (0.0072)	ND (0.0075)	ND (0.20)	ND (0.0055)	ND (0.0051)	ND (0.0084)	ND (0.0062)
Bromodichloromethane	0.51	0.51	ND (0.0071)	ND (0.073)	ND (0.0073)	ND (0.0077)	ND (0.0073)	ND (0.0074)	ND (0.0084)	ND (0.0078)	ND (0.0062)	ND (0.0063)	ND (0.006)	ND (0.0074)	ND (0.0072)	ND (0.0075)	ND (0.049)	ND (0.0055)	ND (0.0051)	ND (0.0084)	ND (0.0062)
Bromoform Bromomethane (Methyl Bromide)	2.7 0.7	0.6 0.052	ND (0.0071) UJ ND (0.0071) UJ	ND (0.073) ND (0.073) UJ	ND (0.0073) UJ ND (0.0073) UJ	ND (0.0077) UJ ND (0.0077) UJ	ND (0.0073) UJ ND (0.0073) UJ	ND (0.0074) UJ ND (0.0074) UJ	ND (0.0084) UJ ND (0.0084) UJ	ND (0.0078) UJ ND (0.0078) UJ	ND (0.0062) UJ ND (0.0062) UJ	ND (0.0063) ND (0.0063) UJ	ND (0.006) ND (0.006) UI	ND (0.0074) UJ ND (0.0074) UJ	ND (0.0072) UJ ND (0.0072) UJ	ND (0.0075) UJ ND (0.0075) UJ	ND (0.049) ND (0.049)	ND (0.0055) UJ ND (0.0055) UJ	ND (0.0051) UJ ND (0.0051) UJ	ND (0.0084) ND (0.0084) UJ	ND (0.0062) UJ ND (0.0062) UJ
Carbon disulfide	82	10	ND (0.0071)	ND (0.073) UJ	ND (0.0073)	ND (0.0077)	ND (0.0073)	ND (0.0074)	ND (0.0084)	ND (0.0078)	ND (0.0062)	ND (0.0063)	ND (0.006)	ND (0.0074)	ND (0.0072)	ND (0.0075)	ND (0.049)	ND (0.0055)	ND (0.0051)	ND (0.0084)	ND (0.0062)
Carbon tetrachloride Chlorobenzene	0.29 27	0.066 1.3	ND (0.0071) ND (0.0071)	ND (0.073) ND (0.073)	ND (0.0073) ND (0.0073)	ND (0.0077) ND (0.0077)	ND (0.0073) ND (0.0073)	ND (0.0074) ND (0.0074)	ND (0.0084) ND (0.0084)	ND (0.0078) ND (0.0078)	ND (0.0062) ND (0.0062)	ND (0.0063) ND (0.0063)	ND (0.006) ND (0.006)	ND (0.0074) ND (0.0074)	ND (0.0072) ND (0.0072)	ND (0.0075) ND (0.0075)	ND (0.049) ND (0.049)	ND (0.0055) ND (0.0055)	ND (0.0051) ND (0.0051)	ND (0.0084) ND (0.0084)	ND (0.0062) ND (0.0062)
Chlorobromomethane	*	*	ND (0.0071)	ND (0.073)	ND (0.0073)	ND (0.0077)	ND (0.0073)	ND (0.0074)	ND (0.0084)	ND (0.0078)	ND (0.0062)	ND (0.0063)	ND (0.006)	ND (0.0074)	ND (0.0072)	ND (0.0075)	ND (0.049)	ND (0.0055)	ND (0.0051)	ND (0.0084)	ND (0.0062)
Chloroethane	10	0.65	ND (0.0071)	ND (0.073) UJ	ND (0.0073)	ND (0.0077)	ND (0.0073)	ND (0.0074)	ND (0.0084)	ND (0.0078)	ND (0.0062)	ND (0.0063)	ND (0.006)	ND (0.0074)	ND (0.0072)	ND (0.0075)	ND (0.049)	ND (0.0055)	ND (0.0051)	ND (0.0084)	ND (0.0062)
Chloroform (Trichloromethane) Chloromethane (Methyl Chloride)	1.2	0.47	ND (0.0071) ND (0.0071)	ND (0.073) ND (0.073)	ND (0.0073) ND (0.0073)	ND (0.0077) ND (0.0077)	ND (0.0073) ND (0.0073)	ND (0.0074) ND (0.0074)	ND (0.0084) ND (0.0084)	ND (0.0078) ND (0.0078)	ND (0.0062) ND (0.0062)	ND (0.0063) ND (0.0063)	ND (0.006) ND (0.006)	ND (0.0074) ND (0.0074)	ND (0.0072) ND (0.0072)	ND (0.0075) ND (0.0075)	ND (0.049) ND (0.049)	ND (0.0055) ND (0.0055)	ND (0.0051) ND (0.0051)	ND (0.0084) ND (0.0084)	ND (0.0062) ND (0.0062)
cis-1,2-Dichloroethene	5.8	0.4	0.0039 J	ND (0.073)	ND (0.0073)	ND (0.0077)	ND (0.0073)	ND (0.0074)	ND (0.0084)	ND (0.0078)	ND (0.0062)	ND (0.0063)	ND (0.006)	0.012	ND (0.0072)	ND (0.0075)	ND (0.049)	ND (0.0055)	ND (0.0051)	ND (0.0084)	0.0011 J
cis-1,3-Dichloropropene	*	*	ND (0.0071) ND (0.029)	ND (0.073) ND (0.30)	ND (0.0073) ND (0.029)	ND (0.0077) ND (0.031)	ND (0.0073) ND (0.029)	ND (0.0074) ND (0.03)	ND (0.0084) ND (0.034)	ND (0.0078) ND (0.031)	ND (0.0062) ND (0.025)	ND (0.0063) UJ ND (0.026) UJ	ND (0.006) UJ ND (0.024) UJ	ND (0.0074) ND (0.03)	ND (0.0072) ND (0.029)	ND (0.0075) ND (0.03)	ND (0.049) ND (0.20)	ND (0.0055) ND (0.022)	ND (0.0051) ND (0.021)	ND (0.0084) UJ ND (0.034) UJ	ND (0.0062) ND (0.025)
Cymene (p-Isopropyltoluene) Dibromochloromethane	*	*	ND (0.0071)	ND (0.073)	ND (0.029) ND (0.0073)	ND (0.0077)	ND (0.0073)	ND (0.0074)	ND (0.034) ND (0.0084)	ND (0.031) ND (0.0078)	ND (0.023) ND (0.0062)	ND (0.0063)	ND (0.024) (0)	ND (0.0074)	ND (0.0072)	ND (0.0075)	ND (0.20) ND (0.049)	ND (0.022) ND (0.0055)	ND (0.021) ND (0.0051)	ND (0.0084) ND (0.0084)	ND (0.023) ND (0.0062)
Dibromomethane	*	*	ND (0.0071)	ND (0.073)	ND (0.0073)	ND (0.0077)	ND (0.0073)	ND (0.0074)	ND (0.0084)	ND (0.0078)	ND (0.0062)	ND (0.0063)	ND (0.006)	ND (0.0074)	ND (0.0072)	ND (0.0075)	ND (0.049)	ND (0.0055)	ND (0.0051)	ND (0.0084)	ND (0.0062)
Dichlorodifluoromethane (CFC-12) Ethylbenzene	* 160	13	ND (0.0071) ND (0.0071)	ND (0.073) ND (0.073)	ND (0.0073) ND (0.0073)	ND (0.0077) ND (0.0077)	ND (0.0073) ND (0.0073)	ND (0.0074) ND (0.0074)	ND (0.0084) ND (0.0084)	ND (0.0078) ND (0.0078)	ND (0.0062) ND (0.0062)	ND (0.0063) ND (0.0063)	ND (0.006) ND (0.006)	ND (0.0074) ND (0.0074)	ND (0.0072) ND (0.0072)	ND (0.0075) ND (0.0075)	ND (0.049) ND (0.049)	ND (0.0055) ND (0.0055)	ND (0.0051) ND (0.0051)	ND (0.0084) ND (0.0084)	ND (0.0062) ND (0.0062)
Hexachlorobutadiene	44	16	ND (0.029)	ND (0.30)	ND (0.029)	ND (0.031)	ND (0.029)	ND (0.03)	ND (0.034)	ND (0.031)	ND (0.025)	ND (0.026)	ND (0.024)	ND (0.03)	ND (0.029)	ND (0.03)	ND (0.20)	ND (0.022)	ND (0.021)	ND (0.034)	ND (0.025)
Isopropylbenzene	*	*	ND (0.029)	ND (0.30)	ND (0.029)	ND (0.031)	ND (0.029)	ND (0.03)	ND (0.034)	ND (0.031)	ND (0.025)	ND (0.026)	ND (0.024)	ND (0.03)	ND (0.029)	ND (0.03)	ND (0.20)	ND (0.022)	ND (0.021)	ND (0.034)	ND (0.025)
m&p-Xylene Methylene chloride	1.8	0.023	ND (0.0071) UJ 0.011 J	ND (0.073) ND (0.30)	ND (0.0073) UJ ND (0.015)	ND (0.0077) UJ 0.0031 J	ND (0.0073) UJ 0.0029 J	ND (0.0074) UJ 0.003 J	ND (0.0084) UJ 0.0039 J	ND (0.0078) UJ 0.0041 J	ND (0.0062) UJ 0.0022 J	ND (0.0063) 0.0022 J	ND (0.006) ND (0.012)	ND (0.0074) UJ 0.0019 J	ND (0.0072) UJ ND (0.015)	ND (0.0075) UJ ND (0.015)	ND (0.049) ND (0.20)	ND (0.0055) UJ 0.0017 J	ND (0.0051) UJ 0.0018 J	ND (0.0084) ND (0.017)	ND (0.0062) UJ ND (0.013)
Naphthalene	170	0.7	ND (0.029)	ND (0.30) UJ	ND (0.029)	ND (0.031)	ND (0.029)	ND (0.03)	ND (0.034)	ND (0.031)	ND (0.025)	ND (0.026)	ND (0.024)	ND (0.03)	ND (0.029)	ND (0.03)	ND (0.20)	ND (0.022)	ND (0.021)	ND (0.034)	ND (0.025)
n-Butylbenzene	*	*	ND (0.029)	ND (0.30)	ND (0.029)	ND (0.031)	ND (0.029)	ND (0.03)	ND (0.034)	ND (0.031)	ND (0.025)	ND (0.026) UJ	ND (0.024) UJ	ND (0.03)	ND (0.029)	ND (0.03)	ND (0.20)	ND (0.022)	ND (0.021)	ND (0.034) UJ	ND (0.025)
n-Propylbenzene o-Xylene	*	*	ND (0.029) ND (0.0071) UJ	ND (0.30) ND (0.073)	ND (0.029) ND (0.0073) UJ	ND (0.031) ND (0.0077) UJ	ND (0.029) ND (0.0073) UJ	ND (0.03) ND (0.0074) UJ	ND (0.034) ND (0.0084) UJ	ND (0.031) ND (0.0078) UJ	ND (0.025) ND (0.0062) UJ	ND (0.026) ND (0.0063)	ND (0.024) ND (0.006)	ND (0.03) ND (0.0074) UJ	ND (0.029) ND (0.0072) UJ	ND (0.03) ND (0.0075) UJ	ND (0.20) ND (0.049)	ND (0.022) ND (0.0055) UJ	ND (0.021) ND (0.0051) UJ	ND (0.034) ND (0.0084)	ND (0.025) ND (0.0062) UJ
Styrene	550	3.5	ND (0.0071) UJ	ND (0.073)	ND (0.0073) UJ	ND (0.0077) UJ	ND (0.0073) UJ	ND (0.0074) UJ	ND (0.0084) UJ	ND (0.0078) UJ	ND (0.0062) UJ	ND (0.0063)	ND (0.006)	ND (0.0074) UJ	ND (0.0072) UJ	ND (0.0075) UJ	ND (0.049)	ND (0.0055) UJ	ND (0.0051) UJ	ND (0.0084)	ND (0.0062) UJ
tert-Butylbenzene	*	*	ND (0.029)	ND (0.30)	ND (0.029)	ND (0.031)	ND (0.029)	ND (0.03)	ND (0.034)	ND (0.031)	ND (0.025)	ND (0.026)	ND (0.024)	ND (0.03)	ND (0.029)	ND (0.03)	ND (0.20)	ND (0.022)	ND (0.021)	ND (0.034)	ND (0.025)
Tetrachloroethene Toluene	0.64 240	0.058 12	0.5 ^b ND (0.0071)	1.2 ^{ab} ND (0.073)	0.093 ^b ND (0.0073)	0.0013 J ND (0.0077)	ND (0.0073) ND (0.0073)	ND (0.0074) ND (0.0074)	0.002 J ND (0.0084)	0.0047 J ND (0.0078)	0.0058 J ND (0.0062)	ND (0.0063) ND (0.0063)	ND (0.006) ND (0.006)	1.7 ^{ab} ND (0.0074)	0.01 ND (0.0072)	0.088 ^b ND (0.0075)	2.4 ^{ab} ND (0.049)	0.1 ^b ND (0.0055)	0.031 ND (0.0051)	ND (0.0084) ND (0.0084)	0.042 ND (0.0062)
trans-1,2-Dichloroethene	14	0.68	ND (0.0071)	ND (0.073)	ND (0.0073)	ND (0.0077)	ND (0.0073)	ND (0.0074)	ND (0.0084)	ND (0.0078)	ND (0.0062)	ND (0.0063)	ND (0.006)	ND (0.0074)	ND (0.0072)	ND (0.0075)	ND (0.049)	ND (0.0055)	ND (0.0051)	ND (0.0084)	ND (0.0062)
trans-1,3-Dichloropropene	*	*	ND (0.0071)	ND (0.073)	ND (0.0073)	ND (0.0077)	ND (0.0073)	ND (0.0074)	ND (0.0084)	ND (0.0078)	ND (0.0062)	ND (0.0063)	ND (0.006)	ND (0.0074)	ND (0.0072)	ND (0.0075)	ND (0.049)	ND (0.0055)	ND (0.0051)	ND (0.0084)	ND (0.0062)
Trichloroethene Trichlorofluoromethane (CFC-11)	0.082	0.057	0.12 ^{ab} ND (0.0071)	0.11 ^{ab} ND (0.073)	0.015 ND (0.0073)	ND (0.0077) ND (0.0077)	ND (0.0073) ND (0.0073)	ND (0.0074) ND (0.0074)	ND (0.0084) ND (0.0084)	ND (0.0078) ND (0.0078)	ND (0.0062) ND (0.0062)	ND (0.0063) ND (0.0063)	ND (0.006) ND (0.006)	0.3 ^{ab} ND (0.0074)	0.0012 J ND (0.0072)	0.013 ND (0.0075)	0.16 ^{ab} ND (0.049)	0.0032 J ND (0.0055)	0.00052 J ND (0.0051)	ND (0.0084) ND (0.0084)	0.0095 ND (0.0062)
Vinyl chloride	0.013	0.013	ND (0.0071) ND (0.0071)	ND (0.073) ND (0.073)	ND (0.0073) ND (0.0073)	ND (0.0077) ND (0.0077)	ND (0.0073)	ND (0.0074)	ND (0.0084)	ND (0.0078)	ND (0.0062) ND (0.0062)	ND (0.0063)	ND (0.006)	ND (0.0074)	ND (0.0072)	ND (0.0075)	ND (0.049) ND (0.049)	ND (0.0055)	ND (0.0051)	ND (0.0084)	ND (0.0062) ND (0.0062)

Sample Location:			B-123	B-126	B-127	B-128	B-129	B-130	B-131	B-133	B-134	B-135	B-136	B-137	B-138	B-139	B-140	B-141	B-142	B-143	R-144
Sample Location: Sample ID:	IDEM	IDEM	S-090503-MG-192	S-091703-MG-307	S-091603-MG-293	S-091603-MG-289	S-091003-MG-214	S-082803-MG-144	S-082603-MG-120	S-090503-MG-195	S-090503-MG-197	S-091703-MG-303	S-091703-MG-300	S-091703-MG-297	S-091603-MG-286	S-091003-MG-216	S-082803-MG-146	S-082603-MG-122	S-082603-MG-124	S-090403-MG-183	S-090403-MG-181
Sample Date:	RISC	RISC	9/5/2003	9/17/2003	9/16/2003	9/16/2003	9/10/2003	8/28/2003	8/26/2003	9/5/2003	9/5/2003	9/17/2003	9/17/2003	9/17/2003	9/16/2003	9/10/2003	8/28/2003	8/26/2003	8/26/2003	9/4/2003	9/4/2003
Sample Depth:	IDCL	RDCL	10-12 ft BGS	10-12 ft BGS	10-12 ft BGS	12-14 ft BGS	10-12 ft BGS	14-16 ft BGS	10-11.5 ft BGS	12-14 ft BGS	10-12 ft BGS	10-12 ft BGS	10-12 ft BGS	12-14 ft BGS	12-14 ft BGS	10-12 ft BGS	16-18 ft BGS	12-13.5 ft BGS	11-13 ft BGS	10-12 ft BGS	10-12 ft BGS
	а	ь																			
Volatile Organic Compounds (mg/kg)																					
1,1,1,2-Tetrachloroethane	0.85	0.053	ND (0.0059) UJ	ND (0.0062)	ND (0.0071) UJ	ND (0.0065) UJ	ND (0.0061) UJ	ND (0.0057)	ND (0.0053) UJ	ND (0.0081) UJ	ND (0.073)	ND (0.071)	ND (0.066)	ND (0.0067) UJ	ND (0.0065) UJ	ND (0.0054) UJ	ND (0.0072)	ND (0.0074) UJ	ND (0.0077) UJ	ND (0.006) UJ	ND (0.064)
1,1,1-Trichloroethane 1,1,2,2-Tetrachloroethane	280 0.11	1.9 0.007	ND (0.0059) ND (0.0059)	ND (0.0062) ND (0.0062)	ND (0.0071) ND (0.0071)	ND (0.0065) ND (0.0065)	ND (0.0061) ND (0.0061)	ND (0.0057) ND (0.0057)	ND (0.0053) ND (0.0053)	ND (0.0081) ND (0.0081)	ND (0.073) ND (0.073)	ND (0.071) ND (0.071)	ND (0.066) ND (0.066)	ND (0.0067) ND (0.0067)	ND (0.0065) ND (0.0065)	ND (0.0054) ND (0.0054)	ND (0.0072) ND (0.0072)	ND (0.0074) ND (0.0074)	ND (0.0077) ND (0.0077)	ND (0.006) ND (0.006)	ND (0.064) ND (0.064)
1,1,2-Trichloroethane	0.3	0.03	ND (0.0059)	ND (0.0062)	ND (0.0071)	ND (0.0065)	ND (0.0061)	ND (0.0057)	ND (0.0053)	ND (0.0081)	ND (0.073)	ND (0.071)	ND (0.066)	ND (0.0067)	ND (0.0065)	ND (0.0054)	ND (0.0072)	ND (0.0074)	ND (0.0077)	ND (0.006)	ND (0.064)
1,1-Dichloroethane	58	5.6	ND (0.0059)	ND (0.0062)	ND (0.0071) UJ	ND (0.0065) UJ	ND (0.0061) UJ	ND (0.0057)	ND (0.0053)	ND (0.0081)	ND (0.073)	ND (0.071)	ND (0.066)	ND (0.0067) UJ	ND (0.0065) UJ	ND (0.0054) UJ	ND (0.0072)	ND (0.0074)	ND (0.0077)	ND (0.006)	ND (0.064)
1,1-Dichloroethene	42	0.058	ND (0.0059)	ND (0.0062)	ND (0.0071)	ND (0.0065)	ND (0.0061)	ND (0.0057)	ND (0.0053)	ND (0.0081)	ND (0.073)	ND (0.071)	ND (0.066)	ND (0.0067)	ND (0.0065)	ND (0.0054)	ND (0.0072)	ND (0.0074)	ND (0.0077)	ND (0.006)	ND (0.064)
1,1-Dichloropropene 1,2,3-Trichlorobenzene	*	*	ND (0.0059) ND (0.024) UI	ND (0.0062) ND (0.025)	ND (0.0071) ND (0.029)	ND (0.0065) ND (0.026)	ND (0.0061) ND (0.025)	ND (0.0057) ND (0.023)	ND (0.0053) ND (0.021)	ND (0.0081) ND (0.033)	ND (0.073) ND (0.30)	ND (0.071) ND (0.29)	ND (0.066) ND (0.27)	ND (0.0067) ND (0.027)	ND (0.0065) ND (0.026)	ND (0.0054) ND (0.022)	ND (0.0072) ND (0.029)	ND (0.0074) ND (0.03)	ND (0.0077) ND (0.031)	ND (0.006) ND (0.024)	ND (0.064) ND (0.26)
1,2,3-Trichloropenzene 1,2,3-Trichloropropane	*	*	ND (0.024) U) ND (0.0059)	ND (0.025) ND (0.0062)	ND (0.029) ND (0.0071)	ND (0.026) ND (0.0065)	ND (0.025) ND (0.0061)	ND (0.023) ND (0.0057)	ND (0.021) ND (0.0053)	ND (0.033) ND (0.0081)	ND (0.30) ND (0.073)	ND (0.29) ND (0.071)	ND (0.27) ND (0.066)	ND (0.027) ND (0.0067)	ND (0.026) ND (0.0065)	ND (0.022) ND (0.0054)	ND (0.029) ND (0.0072)	ND (0.03) ND (0.0074)	ND (0.031) ND (0.0077)	ND (0.024) ND (0.006)	ND (0.26) ND (0.064)
1,2,4-Trichlorobenzene	77	5.3	ND (0.024)	ND (0.025)	ND (0.029)	ND (0.026)	ND (0.025)	ND (0.023)	ND (0.021)	ND (0.033)	ND (0.30)	ND (0.29)	ND (0.27)	ND (0.027)	ND (0.026)	ND (0.022)	ND (0.029)	ND (0.03)	ND (0.031)	ND (0.024)	ND (0.26)
1,2,4-Trimethylbenzene	170	2.5	ND (0.024)	ND (0.025)	ND (0.029)	ND (0.026)	ND (0.025)	ND (0.023)	ND (0.021)	ND (0.033)	ND (0.30)	ND (0.29)	ND (0.27)	ND (0.027)	ND (0.026)	ND (0.022)	ND (0.029)	ND (0.03)	ND (0.031)	ND (0.024)	ND (0.26)
1,2-Dibromo-3-chloropropane (DBCP)	*	*	ND (0.024)	ND (0.025) UJ	ND (0.029)	ND (0.026)	ND (0.025)	ND (0.023)	ND (0.021)	ND (0.033)	ND (0.30)	ND (0.29)	ND (0.27)	ND (0.027)	ND (0.026)	ND (0.022)	ND (0.029)	ND (0.03)	ND (0.031)	ND (0.024)	ND (0.26)
1,2-Dibromoethane (Ethylene Dibromide)	220	17	ND (0.024)	ND (0.025)	ND (0.029)	ND (0.026)	ND (0.025)	ND (0.023)	ND (0.021)	ND (0.033)	ND (0.30)	ND (0.29)	ND (0.27)	ND (0.027)	ND (0.026) ND (0.0065)	ND (0.022)	ND (0.029)	ND (0.03) ND (0.0074)	ND (0.031)	ND (0.024)	ND (0.26)
1,2-Dichlorobenzene 1.2-Dichloroethane	0.15	0.024	ND (0.0059) ND (0.0059)	ND (0.0062) ND (0.0062)	ND (0.0071) ND (0.0071)	ND (0.0065) ND (0.0065)	ND (0.0061) ND (0.0061)	ND (0.0057) ND (0.0057)	ND (0.0053) ND (0.0053)	ND (0.0081) ND (0.0081)	ND (0.073) ND (0.073)	ND (0.071) ND (0.071)	ND (0.066) ND (0.066)	ND (0.0067) ND (0.0067)	ND (0.0065) ND (0.0065)	ND (0.0054) ND (0.0054)	ND (0.0072) ND (0.0072)	ND (0.0074) ND (0.0074)	ND (0.0077) ND (0.0077)	ND (0.006) ND (0.006)	ND (0.064) ND (0.064)
1,2-Dichloropropane	0.25	0.03	ND (0.0059)	ND (0.0062)	ND (0.0071) UJ	ND (0.0065) UJ	ND (0.0061)	ND (0.0057)	ND (0.0053)	ND (0.0081)	ND (0.073)	ND (0.071)	ND (0.066)	ND (0.0067) UJ	ND (0.0065) UJ	ND (0.0054)	ND (0.0072)	ND (0.0074)	ND (0.0077)	ND (0.006)	ND (0.064)
1,3,5-Trimethylbenzene	68	0.61	ND (0.024)	ND (0.025)	ND (0.029)	ND (0.026)	ND (0.025)	ND (0.023)	ND (0.021)	ND (0.033)	ND (0.30)	ND (0.29)	ND (0.27)	ND (0.027)	ND (0.026)	ND (0.022)	ND (0.029)	ND (0.03)	ND (0.031)	ND (0.024)	ND (0.26)
1,3-Dichlorobenzene	2.7	0.2	ND (0.0059)	ND (0.0062)	ND (0.0071)	ND (0.0065)	ND (0.0061)	ND (0.0057)	ND (0.0053)	ND (0.0081)	ND (0.073)	ND (0.071)	ND (0.066)	ND (0.0067)	ND (0.0065)	ND (0.0054)	ND (0.0072)	ND (0.0074)	ND (0.0077)	ND (0.006)	ND (0.064)
1,3-Dichloropropane 1,4-Dichlorobenzene	3.4	2.2	ND (0.0059) ND (0.0059)	ND (0.0062) ND (0.0062)	ND (0.0071) ND (0.0071)	ND (0.0065) ND (0.0065)	ND (0.0061) ND (0.0061)	ND (0.0057) ND (0.0057)	ND (0.0053) ND (0.0053)	ND (0.0081) ND (0.0081)	ND (0.073) ND (0.073)	ND (0.071) ND (0.071)	ND (0.066) ND (0.066)	ND (0.0067) ND (0.0067)	ND (0.0065) ND (0.0065)	ND (0.0054) ND (0.0054)	ND (0.0072) ND (0.0072)	ND (0.0074) ND (0.0074)	ND (0.0077) ND (0.0077)	ND (0.006) ND (0.006)	ND (0.064) ND (0.064)
2,2-Dichloropropane	3.4	*	ND (0.0059)	ND (0.0062)	ND (0.0071) ND (0.0071)	ND (0.0065)	ND (0.0061) ND (0.0061)	ND (0.0057)	ND (0.0053)	ND (0.0081)	ND (0.073) ND (0.073)	ND (0.071) ND (0.071)	ND (0.066)	ND (0.0067)	ND (0.0065)	ND (0.0054)	ND (0.0072)	ND (0.0074) ND (0.0074)	ND (0.0077) ND (0.0077)	ND (0.006)	ND (0.064) ND (0.064)
2-Butanone (Methyl Ethyl Ketone)	250	35	ND (0.024)	ND (0.025) UJ	ND (0.029) UJ	ND (0.026) UJ	ND (0.025)	ND (0.023)	ND (0.021)	ND (0.033) UJ	ND (3.0)	ND (2.9)	ND (2.7)	ND (0.027) UJ	ND (0.026) UJ	ND (0.022)	ND (0.029)	ND (0.03)	ND (0.031)	ND (0.024)	ND (2.6)
2-Chlorotoluene	*	*	ND (0.024)	ND (0.025)	ND (0.029)	ND (0.026)	ND (0.025)	ND (0.023)	ND (0.021)	ND (0.033)	ND (0.30)	ND (0.29)	ND (0.27)	ND (0.027)	ND (0.026)	ND (0.022)	ND (0.029)	ND (0.03)	ND (0.031)	ND (0.024)	ND (0.26)
2-Hexanone	*	*	ND (0.024)	ND (0.025) UJ	ND (0.029)	ND (0.026)	ND (0.025)	ND (0.023) UJ	ND (0.021)	ND (0.033)	ND (3.0)	ND (2.9) UJ	ND (2.7) UJ	ND (0.027)	ND (0.026)	ND (0.022)	ND (0.029) UJ	ND (0.03)	ND (0.031)	ND (0.024)	ND (2.6)
2-Phenylbutane (sec-Butylbenzene) 4-Chlorotoluene	*	*	ND (0.024) ND (0.024)	ND (0.025) ND (0.025)	ND (0.029) ND (0.029)	ND (0.026) ND (0.026)	ND (0.025) ND (0.025)	ND (0.023) ND (0.023)	ND (0.021) ND (0.021)	ND (0.033) ND (0.033)	ND (0.30) ND (0.30)	ND (0.29) ND (0.29)	ND (0.27) ND (0.27)	ND (0.027) ND (0.027)	ND (0.026) ND (0.026)	ND (0.022) ND (0.022)	ND (0.029) ND (0.029)	ND (0.03) ND (0.03)	ND (0.031) ND (0.031)	ND (0.024) ND (0.024)	ND (0.26) ND (0.26)
4-Methyl-2-Pentanone			14D (0.024)	ND (0.023)	ND (0.029)	ND (0.020)	ND (0.023)	ND (0.023)	ND (0.021)	ND (0.055)	ND (0.50)	ND (0.29)	ND (0.27)	ND (0.027)	ND (0.020)	ND (0.022)	ND (0.029)	ND (0.03)	ND (0.031)	ND (0.024)	ND (0.20)
(Methyl Isobutyl Ketone)	75	20	ND (0.024)	ND (0.025)	ND (0.029)	ND (0.026)	ND (0.025)	ND (0.023)	ND (0.021)	ND (0.033) UJ	ND (3.0)	ND (2.9)	ND (2.7)	ND (0.027) UJ	ND (0.026)	ND (0.022)	ND (0.029)	ND (0.03)	ND (0.031)	ND (0.024)	ND (2.6)
Acetone	370	3.8	ND (0.059) UJ	ND (0.062)	ND (0.071) UJ	ND (0.065) UJ	ND (0.061) UJ	ND (0.057)	ND (0.053) UJ	ND (0.081) UJ	ND (3.0)	ND (2.9)	ND (2.7)	ND (0.067)	ND (0.065) UJ	ND (0.054) UJ	ND (0.072)	ND (0.074) UJ	ND (0.077) UJ	ND (0.06) UJ	0.46 J
Benzene	0.35	0.034	ND (0.0059) ND (0.0059)	ND (0.0062)	ND (0.0071)	ND (0.0065)	ND (0.0061)	ND (0.0057)	ND (0.0053)	ND (0.0081)	ND (0.073)	ND (0.071)	ND (0.066)	ND (0.0067)	ND (0.0065)	ND (0.0054)	ND (0.0072)	ND (0.0074)	ND (0.0077)	ND (0.006)	ND (0.064)
Bromobenzene Bromodichloromethane	0.51	0.51	ND (0.0059) ND (0.0059)	ND (0.0062) ND (0.0062)	ND (0.0071) ND (0.0071)	ND (0.0065) ND (0.0065)	ND (0.0061) ND (0.0061)	ND (0.0057) ND (0.0057)	ND (0.0053) ND (0.0053)	ND (0.0081) ND (0.0081)	ND (0.30) ND (0.073)	ND (0.29) ND (0.071)	ND (0.27) ND (0.066)	ND (0.0067) ND (0.0067)	ND (0.0065) ND (0.0065)	ND (0.0054) ND (0.0054)	ND (0.0072) ND (0.0072)	ND (0.0074) ND (0.0074)	ND (0.0077) ND (0.0077)	ND (0.006) ND (0.006)	ND (0.26) ND (0.064)
Bromoform	2.7	0.6	ND (0.0059) UI	ND (0.0062) UI	ND (0.0071) UJ	ND (0.0065) UI	ND (0.0061) UI	ND (0.0057)	ND (0.0053) UI	ND (0.0081) UI	ND (0.073)	ND (0.071)	ND (0.066)	ND (0.0067) UI	ND (0.0065) UI	ND (0.0054) UI	ND (0.0072)	ND (0.0074)	ND (0.0077) UI	ND (0.006) UI	ND (0.064)
Bromomethane (Methyl Bromide)	0.7	0.052	ND (0.0059) UJ	ND (0.0062)	ND (0.0071) UJ	ND (0.0065) UJ	ND (0.0061) UJ	ND (0.0057) UJ	ND (0.0053) UJ	ND (0.0081) UJ	ND (0.073)	ND (0.071) UJ	ND (0.066) UJ	ND (0.0067) UJ	ND (0.0065) UJ	ND (0.0054) UJ	ND (0.0072) UJ	ND (0.0074) UJ	ND (0.0077) UJ	ND (0.006) UJ	ND (0.064)
Carbon disulfide	82	10	ND (0.0059)	ND (0.0062)	ND (0.0071)	ND (0.0065)	ND (0.0061)	ND (0.0057)	ND (0.0053)	ND (0.0081)	ND (0.073)	ND (0.071)	ND (0.066)	ND (0.0067)	ND (0.0065)	ND (0.0054)	ND (0.0072)	ND (0.0074)	ND (0.0077)	ND (0.006)	ND (0.064)
Carbon tetrachloride Chlorobenzene	0.29 27	0.066 1.3	ND (0.0059) ND (0.0059)	ND (0.0062) ND (0.0062)	ND (0.0071) ND (0.0071)	ND (0.0065) ND (0.0065)	ND (0.0061) ND (0.0061)	ND (0.0057) ND (0.0057)	ND (0.0053) ND (0.0053)	ND (0.0081) ND (0.0081)	ND (0.073) ND (0.073)	ND (0.071) ND (0.071)	ND (0.066) ND (0.066)	ND (0.0067) ND (0.0067)	ND (0.0065) ND (0.0065)	ND (0.0054) ND (0.0054)	ND (0.0072) ND (0.0072)	ND (0.0074) ND (0.0074)	ND (0.0077) ND (0.0077)	ND (0.006) ND (0.006)	ND (0.064) ND (0.064)
Chlorobromomethane	*	*	ND (0.0059)	ND (0.0062)	ND (0.0071) ND (0.0071)	ND (0.0065)	ND (0.0061)	ND (0.0057)	ND (0.0053)	ND (0.0081)	ND (0.073)	ND (0.071)	ND (0.066)	ND (0.0067)	ND (0.0065)	ND (0.0054)	ND (0.0072)	ND (0.0074)	ND (0.0077)	ND (0.006)	ND (0.064)
Chloroethane	10	0.65	ND (0.0059)	ND (0.0062)	ND (0.0071)	ND (0.0065)	ND (0.0061)	ND (0.0057)	ND (0.0053)	ND (0.0081)	ND (0.073)	ND (0.071)	ND (0.066)	ND (0.0067)	ND (0.0065)	ND (0.0054)	ND (0.0072)	ND (0.0074)	ND (0.0077)	ND (0.006)	ND (0.064)
Chloroform (Trichloromethane)	1.2	0.47	ND (0.0059)	ND (0.0062)	ND (0.0071)	ND (0.0065)	ND (0.0061)	ND (0.0057)	ND (0.0053)	ND (0.0081)	ND (0.073)	ND (0.071)	ND (0.066)	ND (0.0067)	ND (0.0065)	ND (0.0054)	ND (0.0072)	ND (0.0074)	ND (0.0077)	ND (0.006)	ND (0.064)
Chloromethane (Methyl Chloride)	*	0.4	ND (0.0059) ND (0.0059)	ND (0.0062)	ND (0.0071)	ND (0.0065)	ND (0.0061)	ND (0.0057)	ND (0.0053) ND (0.0053)	ND (0.0081)	ND (0.073)	ND (0.071) ND (0.071)	ND (0.066)	ND (0.0067)	ND (0.0065) ND (0.0065)	ND (0.0054)	ND (0.0072)	ND (0.0074)	ND (0.0077)	ND (0.006)	ND (0.064) ND (0.064)
cis-1,2-Dichloroethene cis-1,3-Dichloropropene	5.8	*	ND (0.0059) ND (0.0059)	0.0027 J ND (0.0062)	ND (0.0071) ND (0.0071)	ND (0.0065) ND (0.0065)	ND (0.0061) ND (0.0061)	ND (0.0057) ND (0.0057) UJ	ND (0.0053) ND (0.0053)	ND (0.0081) ND (0.0081)	ND (0.073) ND (0.073)	ND (0.071) ND (0.071)	0.024 J ND (0.066)	ND (0.0067) ND (0.0067)	ND (0.0065)	ND (0.0054) ND (0.0054)	ND (0.0072) ND (0.0072) UJ	ND (0.0074) ND (0.0074)	ND (0.0077) ND (0.0077)	ND (0.006) ND (0.006)	ND (0.064) ND (0.064)
Cymene (p-Isopropyltoluene)	*	*	ND (0.024)	ND (0.005)	ND (0.0071) ND (0.029)	ND (0.0003)	ND (0.0051)	ND (0.0037) UJ	ND (0.0033) ND (0.021)	ND (0.033)	ND (0.30)	ND (0.29)	ND (0.000)	ND (0.007)	ND (0.0063)	ND (0.0034)	ND (0.029) UJ	ND (0.0074)	ND (0.0077)	ND (0.004)	ND (0.26)
Dibromochloromethane	*	*	ND (0.0059)	ND (0.0062)	ND (0.0071)	ND (0.0065)	ND (0.0061)	ND (0.0057)	ND (0.0053)	ND (0.0081)	ND (0.073)	ND (0.071)	ND (0.066)	ND (0.0067)	ND (0.0065)	ND (0.0054)	ND (0.0072)	ND (0.0074)	ND (0.0077)	ND (0.006)	ND (0.064)
Dibromomethane	*	*	ND (0.0059)	ND (0.0062)	ND (0.0071)	ND (0.0065)	ND (0.0061)	ND (0.0057)	ND (0.0053)	ND (0.0081)	ND (0.073)	ND (0.071)	ND (0.066)	ND (0.0067)	ND (0.0065)	ND (0.0054)	ND (0.0072)	ND (0.0074)	ND (0.0077)	ND (0.006)	ND (0.064)
Dichlorodifluoromethane (CFC-12) Ethylbenzene	160	13	ND (0.0059) ND (0.0059)	ND (0.0062) ND (0.0062)	ND (0.0071) ND (0.0071)	ND (0.0065) ND (0.0065)	ND (0.0061) ND (0.0061)	ND (0.0057) ND (0.0057)	ND (0.0053) ND (0.0053)	ND (0.0081) ND (0.0081)	ND (0.073) ND (0.073)	ND (0.071) ND (0.071)	ND (0.066) ND (0.066)	ND (0.0067) ND (0.0067)	ND (0.0065) ND (0.0065)	ND (0.0054) ND (0.0054)	ND (0.0072) ND (0.0072)	ND (0.0074) ND (0.0074)	ND (0.0077) ND (0.0077)	ND (0.006) ND (0.006)	ND (0.064) ND (0.064)
Hexachlorobutadiene	44	16	ND (0.024)	ND (0.005)	ND (0.0071) ND (0.029)	ND (0.006)	ND (0.0051)	ND (0.0037)	ND (0.0033)	ND (0.033)	ND (0.30)	ND (0.29)	ND (0.000)	ND (0.007)	ND (0.0063)	ND (0.0034)	ND (0.029)	ND (0.0074)	ND (0.0077)	ND (0.004)	ND (0.26)
Isopropylbenzene	*	*	ND (0.024)	ND (0.025)	ND (0.029)	ND (0.026)	ND (0.025)	ND (0.023)	ND (0.021)	ND (0.033)	ND (0.30)	ND (0.29)	ND (0.27)	ND (0.027)	ND (0.026)	ND (0.022)	ND (0.029)	ND (0.03)	ND (0.031)	ND (0.024)	ND (0.26)
m&p-Xylene	*	*	ND (0.0059) UJ	ND (0.0062)	ND (0.0071) UJ	ND (0.0065) UJ	ND (0.0061) UJ	ND (0.0057)	ND (0.0053) UJ	ND (0.0081) UJ	ND (0.073)	ND (0.071)	ND (0.066)	ND (0.0067) UJ	ND (0.0065) UJ	ND (0.0054) UJ	ND (0.0072)	ND (0.0074) UJ	ND (0.0077) UJ	ND (0.006) UJ	ND (0.064)
Methylene chloride	1.8	0.023	ND (0.012)	ND (0.013)	0.0018 J	0.0018 J	0.014	0.0016 J	ND (0.011)	ND (0.017)	ND (0.30)	ND (0.29)	ND (0.27)	ND (0.014)	0.0019 J	0.014	ND (0.015)	ND (0.015)	ND (0.016)	ND (0.012)	0.027 J ^b
Naphthalene n-Butylbenzene	170	0.7	ND (0.024) ND (0.024)	ND (0.025) ND (0.025) UJ	ND (0.029) ND (0.029)	ND (0.026) ND (0.026)	ND (0.025) ND (0.025)	ND (0.023) ND (0.023) UJ	ND (0.021) ND (0.021)	ND (0.033) ND (0.033)	ND (0.30) ND (0.30)	ND (0.29) UJ ND (0.29)	ND (0.27) UJ ND (0.27)	ND (0.027) ND (0.027)	ND (0.026) ND (0.026)	ND (0.022) ND (0.022)	ND (0.029) ND (0.029) UJ	ND (0.03) ND (0.03)	ND (0.031) ND (0.031)	ND (0.024) ND (0.024)	ND (0.26) ND (0.26)
n-Propylbenzene	*	*	ND (0.024)	ND (0.025) U) ND (0.025)	ND (0.029)	ND (0.026)	ND (0.025)	ND (0.023) U)	ND (0.021) ND (0.021)	ND (0.033)	ND (0.30)	ND (0.29)	ND (0.27)	ND (0.027) ND (0.027)	ND (0.026)	ND (0.022) ND (0.022)	ND (0.029) ND (0.029)	ND (0.03)	ND (0.031)	ND (0.024) ND (0.024)	ND (0.26) ND (0.26)
o-Xylene	*	*	ND (0.0059) UJ	ND (0.0062)	ND (0.0071) UJ	ND (0.0065) UJ	ND (0.0061) UJ	ND (0.0057)	ND (0.0053) UJ	ND (0.0081) UJ	ND (0.073)	ND (0.071)	ND (0.066)	ND (0.0067) UJ	ND (0.0065) UJ	ND (0.0054) UJ	ND (0.0072)	ND (0.0074) UJ	ND (0.0077) UJ	ND (0.006) UJ	ND (0.064)
Styrene	550	3.5	ND (0.0059) UJ	ND (0.0062)	ND (0.0071) UJ	ND (0.0065) UJ	ND (0.0061) UJ	ND (0.0057)	ND (0.0053) UJ	ND (0.0081) UJ	ND (0.073)	ND (0.071) UJ	ND (0.066) UJ	ND (0.0067) UJ	ND (0.0065) UJ	ND (0.0054) UJ	ND (0.0072)	ND (0.0074) UJ	ND (0.0077) UJ	ND (0.006) UJ	ND (0.064)
tert-Butylbenzene	*	*	ND (0.024)	ND (0.025)	ND (0.029)	ND (0.026)	ND (0.025)	ND (0.023)	ND (0.021)	ND (0.033)	ND (0.30)	ND (0.29)	ND (0.27)	ND (0.027)	ND (0.026)	ND (0.022)	ND (0.029)	ND (0.03)	ND (0.031)	ND (0.024)	ND (0.26)
Tetrachloroethene	0.64 240	0.058 12	0.022	5.2 ^{ab}	0.14 ^b	0.0056 J	ND (0.0061)	ND (0.0057)	0.15 ^b	0.28 ^b	2.6 ^{ab}	8.1 ^{ab}	7.6 ^{ab}	0.053	0.024	0.026	ND (0.0072)	ND (0.0074)	0.14 ^b	0.0022 J	2.2 ^{ab}
Toluene trans-1,2-Dichloroethene	240 14	12 0.68	ND (0.0059) ND (0.0059)	ND (0.0062) ND (0.0062)	ND (0.0071) ND (0.0071)	ND (0.0065) ND (0.0065)	ND (0.0061) ND (0.0061)	ND (0.0057) ND (0.0057)	ND (0.0053) ND (0.0053)	ND (0.0081) ND (0.0081)	ND (0.073) ND (0.073)	ND (0.071) ND (0.071)	ND (0.066) ND (0.066)	ND (0.0067) ND (0.0067)	ND (0.0065) ND (0.0065)	ND (0.0054) ND (0.0054)	ND (0.0072) ND (0.0072)	ND (0.0074) ND (0.0074)	ND (0.0077) ND (0.0077)	ND (0.006) ND (0.006)	ND (0.064) ND (0.064)
trans-1,3-Dichloropropene	*	*	ND (0.0059)	ND (0.0062) UJ	ND (0.0071) ND (0.0071)	ND (0.0065)	ND (0.0061)	ND (0.0057)	ND (0.0053)	ND (0.0081)	ND (0.073)	ND (0.071)	ND (0.066)	ND (0.0067)	ND (0.0065)	ND (0.0054)	ND (0.0072)	ND (0.0074)	ND (0.0077)	ND (0.006)	ND (0.064)
Trichloroethene	0.082	0.057	0.0038 J	0.16 ^{ab}	0.0079	ND (0.0065)	ND (0.0061)	ND (0.0057)	0.0086	0.017	0.12 ^{ab}	0.45ab	1.1 ^{ab}	0.0039 J	ND (0.0065)	ND (0.0054)	ND (0.0072)	ND (0.0074)	0.0093	ND (0.006)	0.050 J
Trichlorofluoromethane (CFC-11)	*	*	ND (0.0059)	ND (0.0062)	ND (0.0071) UJ	ND (0.0065) UJ	ND (0.0061)	ND (0.0057)	ND (0.0053)	ND (0.0081) UJ	ND (0.073)	ND (0.071)	ND (0.066)	ND (0.0067) UJ	ND (0.0065) UJ	ND (0.0054)	ND (0.0072)	ND (0.0074)	ND (0.0077)	ND (0.006)	ND (0.064)
Vinyl chloride	0.013	0.013	ND (0.0059)	ND (0.0062)	ND (0.0071)	ND (0.0065)	ND (0.0061)	ND (0.0057)	ND (0.0053)	ND (0.0081)	ND (0.073)	ND (0.071)	ND (0.066)	ND (0.0067)	ND (0.0065)	ND (0.0054)	ND (0.0072)	ND (0.0074)	ND (0.0077)	ND (0.006)	ND (0.064)

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Sample Location:			B-145	B-146	B-147	B-148	B-149	B-149	B-150	B-151	B-152	B-154	B-154	B-154	B-155	B-155	B-156	B-157	B-157	B-158	B-159
Sample ID:	IDEM	IDEM	S-091503-MG-267	S-091503-MG-270	S-091603-MG-276	S-091603-MG-283	S-091003-MG-218	S-091003-MG-219	S-082803-MG-148	S-090403-MG-178	S-091503-MG-264	S-091203-MG-252	S-091203-MG-253	S-091203-MG-254	S-091503-MG-256	S-091503-MG-257	S-091003-MG-221	S-082803-MG-149	S-082803-MG-150	S-090403-MG-174	S-091203-MG-250
Sample Date: Sample Depth:	RISC IDCL	RISC RDCL	9/15/2003 10-12 ft BGS	9/15/2003 10-12 ft BGS	9/16/2003 14-16 ft BGS	9/16/2003 14-16 ft BGS	9/10/2003 14-16 ft BGS	9/10/2003 14-16 ft BGS	8/28/2003 16-18 ft BGS	9/4/2003 10-12 ft BGS	9/15/2003 10-12 ft BGS	9/12/2003 10-12 ft BGS	9/12/2003 14-16 ft BGS	9/12/2003 14-16 ft BGS	9/15/2003 10-12 ft BGS	9/15/2003 18-20 ft BGS	9/10/2003 18-20 ft BGS	8/28/2003 14-16 ft BGS	8/28/2003 22-24 ft BGS	9/4/2003 14-16 ft BGS	9/12/2003 12-14 ft BGS
зитри Берин.	a	b	10-12 jt BG3	10-12 Ji BG3	14-10 ji 1503	14-10 ji BG3	14-10 jt BG3	Duplicate	10-18 Jt BG3	10-12 ji 1503	10-12 ji 1863	10-12 ji 1503	14-10 ji 1503	Duplicate	10-12 ji BG3	18-20 Jt BG3	10-20 ji BG3	14-10 Jt BG3	22-24 jt BG3	14-10 Jt BG3	12-14 Ji BG3
								,						,							
Volatile Organic Compounds (mg/kg) 1,1,1,2-Tetrachloroethane	0.85	0.053	0.079 ^b	ND (0.064)	ND (0.11)	ND (0.070)	ND (0.0065) UI	ND (0.0068) UJ	ND (0.0058)	ND (0.064)	ND (0.066)	ND (0.061)	ND (0.069)	ND (0.071)	ND (0.062)	ND (0.067)	ND (0.0068) UI	ND (0.0065)	ND (0.0074)	ND (0.0054) UI	ND (0.062)
1,1,1-Trichloroethane	280	1.9	ND (0.062)	ND (0.064)	ND (0.11)	ND (0.070)	ND (0.0065)	ND (0.0068)	ND (0.0058)	ND (0.064)	ND (0.066)	ND (0.061)	ND (0.069)	ND (0.071)	ND (0.062)	ND (0.067)	ND (0.0068)	ND (0.0065)	ND (0.0074)	ND (0.0054)	ND (0.062)
1,1,2,2-Tetrachloroethane	0.11	0.007	ND (0.062)	ND (0.064)	ND (0.11)	ND (0.070)	ND (0.0065)	ND (0.0068)	ND (0.0058)	ND (0.064)	ND (0.066)	ND (0.061)	ND (0.069)	ND (0.071)	ND (0.062)	ND (0.067)	ND (0.0068)	ND (0.0065)	ND (0.0074)	ND (0.0054)	ND (0.062)
1,1,2-Trichloroethane 1,1-Dichloroethane	0.3 58	0.03 5.6	ND (0.062) ND (0.062)	ND (0.064) ND (0.064)	ND (0.11) ND (0.11)	ND (0.070) ND (0.070)	ND (0.0065) ND (0.0065)	ND (0.0068) ND (0.0068)	ND (0.0058) ND (0.0058)	ND (0.064) ND (0.064)	ND (0.066) ND (0.066)	ND (0.061) ND (0.061)	ND (0.069) ND (0.069)	ND (0.071) ND (0.071)	ND (0.062) ND (0.062)	ND (0.067) ND (0.067)	ND (0.0068) ND (0.0068)	ND (0.0065) ND (0.0065)	ND (0.0074) ND (0.0074)	ND (0.0054) ND (0.0054)	ND (0.062) ND (0.062)
1,1-Dichloroethene	42	0.058	ND (0.062)	ND (0.064)	ND (0.11)	ND (0.070)	ND (0.0065)	ND (0.0068)	ND (0.0058)	ND (0.064)	ND (0.066)	ND (0.061)	ND (0.069)	ND (0.071)	ND (0.062)	ND (0.067)	ND (0.0068)	ND (0.0065)	ND (0.0074)	ND (0.0054)	ND (0.062)
1,1-Dichloropropene	*	*	ND (0.062)	ND (0.064)	ND (0.11)	ND (0.070)	ND (0.0065)	ND (0.0068)	ND (0.0058)	ND (0.064)	ND (0.066)	ND (0.061)	ND (0.069)	ND (0.071)	ND (0.062)	ND (0.067)	ND (0.0068)	ND (0.0065)	ND (0.0074)	ND (0.0054)	ND (0.062)
1,2,3-Trichlorobenzene 1,2,3-Trichloropropane	*	*	ND (0.25) ND (0.062)	ND (0.26) ND (0.064)	ND (0.41) ND (0.11)	ND (0.28) ND (0.070)	ND (0.026) ND (0.0065)	ND (0.027) ND (0.0068)	ND (0.024) ND (0.0058)	ND (0.26) ND (0.064)	ND (0.27) ND (0.066)	ND (0.25) UJ ND (0.061)	ND (0.28) UJ ND (0.069)	ND (0.29) UJ ND (0.071)	ND (0.25) ND (0.062)	ND (0.27) ND (0.067)	ND (0.027) ND (0.0068)	ND (0.026) ND (0.0065)	ND (0.03) ND (0.0074)	ND (0.022) ND (0.0054)	ND (0.25) UJ ND (0.062)
1,2,4-Trichlorobenzene	77	5.3	ND (0.25)	ND (0.26)	ND (0.41)	ND (0.28)	ND (0.026)	ND (0.027)	ND (0.024)	ND (0.26)	ND (0.27)	ND (0.25) UJ	ND (0.28) UJ	ND (0.29) UJ	ND (0.25)	ND (0.27)	ND (0.027)	ND (0.026)	ND (0.03)	ND (0.022)	ND (0.25) UJ
1,2,4-Trimethylbenzene 1,2-Dibromo-3-chloropropane (DBCP)	170	2.5	ND (0.25) ND (0.25)	ND (0.26) ND (0.26)	ND (0.41) ND (0.41)	ND (0.28) ND (0.28)	ND (0.026) ND (0.026)	ND (0.027) ND (0.027)	ND (0.024) ND (0.024)	ND (0.26) ND (0.26)	ND (0.27) ND (0.27)	ND (0.25) ND (0.25)	ND (0.28) ND (0.28)	ND (0.29) ND (0.29)	ND (0.25) ND (0.25)	ND (0.27) ND (0.27)	ND (0.027) ND (0.027)	ND (0.026) ND (0.026)	ND (0.03) ND (0.03)	ND (0.022) ND (0.022)	ND (0.25) ND (0.25)
1,2-Dibromoethane (Ethylene Dibromide)	*	*	ND (0.25) ND (0.25)	ND (0.26)	ND (0.41) ND (0.41)	ND (0.28)	ND (0.026)	ND (0.027) ND (0.027)	ND (0.024) ND (0.024)	ND (0.26) ND (0.26)	ND (0.27) ND (0.27)	ND (0.25) ND (0.25)	ND (0.28)	ND (0.29)	ND (0.25) ND (0.25)	ND (0.27) ND (0.27)	ND (0.027) ND (0.027)	ND (0.026)	ND (0.03)	ND (0.022)	ND (0.25) ND (0.25)
1,2-Dichlorobenzene	220	17	0.13	ND (0.064)	ND (0.11)	ND (0.070)	ND (0.0065)	ND (0.0068)	ND (0.0058)	ND (0.064)	ND (0.066)	ND (0.061)	ND (0.069)	ND (0.071)	ND (0.062)	ND (0.067)	ND (0.0068)	ND (0.0065)	ND (0.0074)	ND (0.0054)	ND (0.062)
1,2-Dichloroethane 1,2-Dichloropropane	0.15 0.25	0.024	ND (0.062) ND (0.062)	ND (0.064) ND (0.064)	ND (0.11) ND (0.11)	ND (0.070) ND (0.070)	ND (0.0065) ND (0.0065)	ND (0.0068) ND (0.0068)	ND (0.0058) ND (0.0058)	ND (0.064) ND (0.064)	ND (0.066) ND (0.066)	ND (0.061) ND (0.061)	ND (0.069) ND (0.069)	ND (0.071) ND (0.071)	ND (0.062) ND (0.062)	ND (0.067) ND (0.067)	ND (0.0068) ND (0.0068)	ND (0.0065) ND (0.0065)	ND (0.0074) ND (0.0074)	ND (0.0054) ND (0.0054)	ND (0.062) ND (0.062)
1,3,5-Trimethylbenzene	68	0.61	ND (0.25)	ND (0.26)	ND (0.41)	ND (0.28)	ND (0.026)	ND (0.000)	ND (0.024)	ND (0.26)	ND (0.27)	ND (0.25)	ND (0.28)	ND (0.29)	ND (0.25)	ND (0.27)	ND (0.027)	ND (0.026)	ND (0.03)	ND (0.022)	ND (0.25)
1,3-Dichlorobenzene	2.7	0.2	ND (0.062)	ND (0.064)	ND (0.11)	ND (0.070)	ND (0.0065)	ND (0.0068)	ND (0.0058)	ND (0.064)	ND (0.066)	ND (0.061)	ND (0.069)	ND (0.071)	ND (0.062)	ND (0.067)	ND (0.0068)	ND (0.0065)	ND (0.0074)	ND (0.0054)	ND (0.062)
1,3-Dichloropropane 1,4-Dichlorobenzene	3.4	2.2	ND (0.062) ND (0.062)	ND (0.064) ND (0.064)	ND (0.11) ND (0.11)	ND (0.070) ND (0.070)	ND (0.0065) ND (0.0065)	ND (0.0068) ND (0.0068)	ND (0.0058) ND (0.0058)	ND (0.064) ND (0.064)	ND (0.066) ND (0.066)	ND (0.061) ND (0.061)	ND (0.069) ND (0.069)	ND (0.071) ND (0.071)	ND (0.062) ND (0.062)	ND (0.067) ND (0.067)	ND (0.0068) ND (0.0068)	ND (0.0065) ND (0.0065)	ND (0.0074) ND (0.0074)	ND (0.0054) ND (0.0054)	ND (0.062) ND (0.062)
2,2-Dichloropropane	*	*	ND (0.062)	ND (0.064)	ND (0.11)	ND (0.070)	ND (0.0065)	ND (0.0068)	ND (0.0058)	ND (0.064)	ND (0.066)	ND (0.061) UJ	ND (0.069) UJ	ND (0.071) UJ	ND (0.062)	ND (0.067)	ND (0.0068)	ND (0.0065)	ND (0.0074)	ND (0.0054)	ND (0.062) UJ
2-Butanone (Methyl Ethyl Ketone)	250	35	ND (2.5)	ND (2.6) UJ	ND (4.1)	ND (2.8)	ND (0.026)	ND (0.027)	ND (0.024)	ND (2.6)	ND (2.7)	ND (2.5)	ND (2.8)	ND (2.9)	ND (2.5)	ND (2.7)	ND (0.027)	ND (0.026)	ND (0.03)	ND (0.022)	ND (2.5)
2-Chlorotoluene 2-Hexanone	*	*	ND (0.25) ND (2.5)	ND (0.26) ND (2.6)	ND (0.41) ND (4.1) UJ	ND (0.28) ND (2.8) UJ	ND (0.026) ND (0.026)	ND (0.027) ND (0.027)	ND (0.024) ND (0.024) UJ	ND (0.26) ND (2.6)	ND (0.27) ND (2.7)	ND (0.25) ND (2.5)	ND (0.28) ND (2.8)	ND (0.29) ND (2.9)	ND (0.25) ND (2.5)	ND (0.27) ND (2.7)	ND (0.027) ND (0.027)	ND (0.026) ND (0.026) UI	ND (0.03) ND (0.03) UJ	ND (0.022) ND (0.022)	ND (0.25) ND (2.5)
2-Phenylbutane (sec-Butylbenzene)	*	*	ND (0.25)	ND (0.26)	ND (0.41)	ND (0.28)	ND (0.026)	ND (0.027)	ND (0.024)	ND (0.26)	ND (0.27)	ND (0.25)	ND (0.28)	ND (0.29)	ND (0.25)	ND (0.27)	ND (0.027)	ND (0.026)	ND (0.03)	ND (0.022)	ND (0.25)
4-Chlorotoluene	*	*	ND (0.25)	ND (0.26)	ND (0.41)	ND (0.28)	ND (0.026)	ND (0.027)	ND (0.024)	ND (0.26)	ND (0.27)	ND (0.25)	ND (0.28)	ND (0.29)	ND (0.25)	ND (0.27)	ND (0.027)	ND (0.026)	ND (0.03)	ND (0.022)	ND (0.25)
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	75	20	ND (2.5)	ND (2.6)	ND (4.1)	ND (2.8)	ND (0.026)	ND (0.027)	ND (0.024)	ND (2.6)	ND (2.7)	ND (2.5)	ND (2.8)	ND (2.9)	ND (2.5)	ND (2.7)	ND (0.027)	ND (0.026)	ND (0.03)	ND (0.022)	ND (2.5)
Acetone	370	3.8	ND (2.5)	ND (2.6)	0.48 J	ND (2.8)	ND (0.065) UJ	ND (0.068) UJ	ND (0.058)	0.47 J	ND (2.7)	ND (2.5)	ND (2.8)	ND (2.9)	ND (2.5)	ND (2.7)	ND (0.068) UJ	ND (0.065)	ND (0.074)	ND (0.054) UJ	ND (2.5)
Benzene Bromobenzene	0.35	0.034	ND (0.062) ND (0.25)	ND (0.064) ND (0.26)	ND (0.11) ND (0.41)	ND (0.070) ND (0.28)	ND (0.0065) ND (0.0065)	ND (0.0068) ND (0.0068)	ND (0.0058) ND (0.0058)	ND (0.064) ND (0.26)	ND (0.066) ND (0.27)	ND (0.061) ND (0.25)	ND (0.069) ND (0.28)	ND (0.071) ND (0.29)	ND (0.062) ND (0.25)	ND (0.067) ND (0.27)	ND (0.0068) ND (0.0068)	ND (0.0065) ND (0.0065)	ND (0.0074) ND (0.0074)	ND (0.0054) ND (0.0054)	ND (0.062) ND (0.25)
Bromodichloromethane	0.51	0.51	ND (0.23) ND (0.062)	ND (0.26) ND (0.064)	ND (0.41) ND (0.11)	ND (0.28) ND (0.070)	ND (0.0065)	ND (0.0068)	ND (0.0058)	ND (0.26) ND (0.064)	ND (0.27) ND (0.066)	ND (0.25) ND (0.061)	ND (0.28) ND (0.069)	ND (0.29) ND (0.071)	ND (0.23) ND (0.062)	ND (0.27) ND (0.067)	ND (0.0068)	ND (0.0065)	ND (0.0074) ND (0.0074)	ND (0.0054)	ND (0.25) ND (0.062)
Bromoform	2.7	0.6	ND (0.062)	ND (0.064)	ND (0.11)	ND (0.070)	ND (0.0065) UJ	ND (0.0068) UJ	ND (0.0058)	ND (0.064)	ND (0.066)	ND (0.061)	ND (0.069)	ND (0.071)	ND (0.062)	ND (0.067)	ND (0.0068) UJ	ND (0.0065)	ND (0.0074)	ND (0.0054) UJ	ND (0.062)
Bromomethane (Methyl Bromide) Carbon disulfide	0.7 82	0.052 10	ND (0.062) ND (0.062)	ND (0.064) ND (0.064)	ND (0.11) ND (0.11)	ND (0.070) ND (0.070)	ND (0.0065) UJ ND (0.0065)	ND (0.0068) UJ ND (0.0068)	ND (0.0058) UJ ND (0.0058)	ND (0.066) ND (0.064)	ND (0.066) ND (0.066)	ND (0.061) ND (0.061)	ND (0.069) ND (0.069)	ND (0.071) ND (0.071)	ND (0.062) ND (0.062)	ND (0.067) ND (0.067)	ND (0.0068) UJ ND (0.0068)	ND (0.0065) UJ ND (0.0065)	ND (0.0074) UJ ND (0.0074)	ND (0.0054) UJ ND (0.0054)	ND (0.062) ND (0.062)
Carbon tetrachloride	0.29	0.066	ND (0.062) UJ	ND (0.064) UJ	ND (0.11)	ND (0.070)	ND (0.0065)	ND (0.0068)	ND (0.0058)	ND (0.064)	ND (0.066) UJ	ND (0.061)	ND (0.069)	ND (0.071)	ND (0.062) UJ	ND (0.067) UJ	ND (0.0068)	ND (0.0065)	ND (0.0074)	ND (0.0054)	ND (0.062)
Chlorobenzene	27	1.3	ND (0.062)	ND (0.064)	ND (0.11)	ND (0.070)	ND (0.0065)	ND (0.0068)	ND (0.0058)	ND (0.064)	ND (0.066)	ND (0.061)	ND (0.069)	ND (0.071)	ND (0.062)	ND (0.067)	ND (0.0068)	ND (0.0065)	ND (0.0074)	ND (0.0054)	ND (0.062)
Chlorobromomethane Chloroethane	10	0.65	ND (0.062) ND (0.062)	ND (0.064) ND (0.064)	ND (0.11) ND (0.11)	ND (0.070) ND (0.070)	ND (0.0065) ND (0.0065) UJ	ND (0.0068) ND (0.0068) UJ	ND (0.0058) ND (0.0058)	ND (0.064) ND (0.064)	ND (0.066) ND (0.066)	ND (0.061) ND (0.061)	ND (0.069) ND (0.069)	ND (0.071) ND (0.071)	ND (0.062) ND (0.062)	ND (0.067) ND (0.067)	ND (0.0068) ND (0.0068) UJ	ND (0.0065) ND (0.0065)	ND (0.0074) ND (0.0074)	ND (0.0054) ND (0.0054)	ND (0.062) ND (0.062)
Chloroform (Trichloromethane)	1.2	0.47	ND (0.062)	ND (0.064)	ND (0.11)	ND (0.070)	ND (0.0065)	ND (0.0068)	ND (0.0058)	ND (0.064)	ND (0.066)	ND (0.061)	ND (0.069)	ND (0.071)	ND (0.062)	ND (0.067)	ND (0.0068)	ND (0.0065)	ND (0.0074)	ND (0.0054)	ND (0.062)
Chloromethane (Methyl Chloride)	*	*	ND (0.062)	ND (0.064)	ND (0.11) UJ	ND (0.070) UJ	ND (0.0065)	ND (0.0068)	ND (0.0058)	ND (0.064)	ND (0.066)	ND (0.061)	ND (0.069)	ND (0.071)	ND (0.062)	ND (0.067)	ND (0.0068)	ND (0.0065)	ND (0.0074)	ND (0.0054)	ND (0.062)
cis-1,2-Dichloroethene cis-1,3-Dichloropropene	5.8	0.4	ND (0.062) ND (0.062)	0.022 J ND (0.064)	0.11 ND (0.11)	ND (0.070) ND (0.070)	ND (0.0065) ND (0.0065)	ND (0.0068) ND (0.0068)	ND (0.0058) ND (0.0058) UI	ND (0.064) ND (0.064)	ND (0.066) ND (0.066)	ND (0.061) ND (0.061)	0.023 J ND (0.069)	ND (0.071) ND (0.071)	ND (0.062) ND (0.062)	ND (0.067) ND (0.067)	ND (0.0068) ND (0.0068)	ND (0.0065) ND (0.0065) UI	ND (0.0074) ND (0.0074) UI	ND (0.0054) ND (0.0054)	ND (0.062) ND (0.062)
Cymene (p-Isopropyltoluene)	*	*	ND (0.25)	ND (0.26)	ND (0.41)	ND (0.28)	ND (0.026)	ND (0.027)	ND (0.024) UJ	ND (0.26)	ND (0.27)	ND (0.25)	ND (0.28)	ND (0.29)	ND (0.25)	ND (0.27)	ND (0.027)	ND (0.026) UJ	ND (0.03) UJ	ND (0.022)	ND (0.25)
Dibromochloromethane Dibromomethane	*	*	ND (0.062) ND (0.062)	ND (0.064) ND (0.064)	ND (0.11) ND (0.11)	ND (0.070) ND (0.070)	ND (0.0065) ND (0.0065)	ND (0.0068) ND (0.0068)	ND (0.0058) ND (0.0058)	ND (0.064) ND (0.064)	ND (0.066) ND (0.066)	ND (0.061) ND (0.061)	ND (0.069) ND (0.069)	ND (0.071) ND (0.071)	ND (0.062) ND (0.062)	ND (0.067) ND (0.067)	ND (0.0068) ND (0.0068)	ND (0.0065) ND (0.0065)	ND (0.0074) ND (0.0074)	ND (0.0054) ND (0.0054)	ND (0.062) ND (0.062)
Dichlorodifluoromethane (CFC-12)	*	*	ND (0.062)	ND (0.064)	ND (0.11) ND (0.11)	ND (0.070) ND (0.070)	ND (0.0065)	ND (0.0068)	ND (0.0058)	ND (0.064)	ND (0.066)	ND (0.061) ND (0.061)	ND (0.069)	ND (0.071) ND (0.071)	ND (0.062)	ND (0.067)	ND (0.0068)	ND (0.0065)	ND (0.0074) ND (0.0074)	ND (0.0054)	ND (0.062)
Ethylbenzene	160	13	ND (0.062)	ND (0.064)	ND (0.11)	ND (0.070)	ND (0.0065)	ND (0.0068)	ND (0.0058)	ND (0.064)	ND (0.066)	ND (0.061)	ND (0.069)	ND (0.071)	ND (0.062)	ND (0.067)	ND (0.0068)	ND (0.0065)	ND (0.0074)	ND (0.0054)	ND (0.062)
Hexachlorobutadiene Isopropylbenzene	44	16	ND (0.25) ND (0.25)	ND (0.26) ND (0.26)	ND (0.41) ND (0.41)	ND (0.28) ND (0.28)	ND (0.026) UJ ND (0.026)	ND (0.027) UJ ND (0.027)	ND (0.024) ND (0.024)	ND (0.26) ND (0.26)	ND (0.27) ND (0.27)	ND (0.25) ND (0.25)	ND (0.28) ND (0.28)	ND (0.29) ND (0.29)	ND (0.25) ND (0.25)	ND (0.27) ND (0.27)	ND (0.027) UJ ND (0.027)	ND (0.026) ND (0.026)	ND (0.03) ND (0.03)	ND (0.022) ND (0.022)	ND (0.25) ND (0.25)
m&p-Xylene	*	*	ND (0.23) ND (0.062)	ND (0.064)	ND (0.41) ND (0.11)	ND (0.26)	ND (0.0065) UJ	ND (0.0068) UJ	ND (0.024) ND (0.0058)	ND (0.26)	ND (0.066)	ND (0.25) ND (0.061)	ND (0.26)	ND (0.29)	ND (0.062)	ND (0.067)	ND (0.0068) UJ	ND (0.0065)	ND (0.0074)	ND (0.0054) UJ	ND (0.062)
Methylene chloride	1.8	0.023	ND (0.25)	ND (0.26)	ND (0.41)	ND (0.28)	0.0033 J	0.0032 J	ND (0.012)	0.025 J ^b	ND (0.27)	ND (0.25)	ND (0.28)	ND (0.29)	ND (0.25)	ND (0.27)	0.0035 J	0.002 J	ND (0.015)	0.0018 J	ND (0.25)
Naphthalene	170	0.7	ND (0.25) UJ	ND (0.26)	ND (0.41) UJ	ND (0.28) UJ	ND (0.026)	ND (0.027)	ND (0.024)	ND (0.26)	ND (0.27) UJ	ND (0.25) UJ	ND (0.28) UJ	ND (0.29) UJ	ND (0.25) UJ	ND (0.27) UJ	ND (0.027)	ND (0.026)	ND (0.03)	ND (0.022)	ND (0.25) UJ
n-Butylbenzene n-Propylbenzene	*	*	ND (0.25) ND (0.25)	ND (0.26) ND (0.26)	ND (0.41) ND (0.41)	ND (0.28) ND (0.28)	ND (0.026) ND (0.026)	ND (0.027) ND (0.027)	ND (0.024) UJ ND (0.024)	ND (0.26) ND (0.26)	ND (0.27) ND (0.27)	ND (0.25) ND (0.25)	ND (0.28) ND (0.28)	ND (0.29) ND (0.29)	ND (0.25) ND (0.25)	ND (0.27) ND (0.27)	ND (0.027) ND (0.027)	ND (0.026) UJ ND (0.026)	ND (0.03) UJ ND (0.03)	ND (0.022) ND (0.022)	ND (0.25) ND (0.25)
o-Xylene	*	*	ND (0.062)	ND (0.064)	ND (0.11)	ND (0.070)	ND (0.0065) UJ	ND (0.0068) UJ	ND (0.0058)	ND (0.064)	ND (0.066)	ND (0.061)	ND (0.069)	ND (0.071)	ND (0.062)	ND (0.067)	ND (0.0068) UJ	ND (0.0065)	ND (0.0074)	ND (0.0054) UJ	ND (0.062)
Styrene tert-Butylbenzene	550	3.5	ND (0.062) ND (0.25)	ND (0.064) ND (0.26)	ND (0.11) UJ ND (0.41)	ND (0.070) UJ ND (0.28)	ND (0.0065) UJ ND (0.026)	ND (0.0068) UJ ND (0.027)	ND (0.0058) ND (0.024)	ND (0.064) ND (0.26)	ND (0.066) ND (0.27)	ND (0.061) ND (0.25)	ND (0.069) ND (0.28)	ND (0.071) ND (0.29)	ND (0.062) ND (0.25)	ND (0.067) ND (0.27)	ND (0.0068) UJ ND (0.027)	ND (0.0065) ND (0.026)	ND (0.0074) ND (0.03)	ND (0.0054) UJ ND (0.022)	ND (0.062) ND (0.25)
Tetrachloroethene	0.64	0.058	ND (0.25) 26 ^{ab}	ND (0.26) 32 ^{ab}	ND (0.41) 82 ^{ab}	ND (0.28) 2.5 ^{ab}	ND (0.026) 0.04	0.027) 0.029	0.0062	4.7 ^{ab}	7.2 ^{ab}	5.0 ^{ab}	ND (0.28) 34 I ^{ab}	20 I ^{ab}	ND (0.25) 3.5 ^{ab}	3.8 ^{ab}	ND (0.027) 0.054	0.0053 I	0.0086	0.27 ^b	0.98 ^{ab}
Toluene	240	12	ND (0.062)	ND (0.064)	0.049 J	ND (0.070)	ND (0.0065)	ND (0.0068)	ND (0.0058)	ND (0.064)	ND (0.066)	ND (0.061)	ND (0.069)	ND (0.071)	ND (0.062)	ND (0.067)	ND (0.0068)	ND (0.0065)	ND (0.0074)	ND (0.0054)	ND (0.062)
trans-1,2-Dichloroethene	14	0.68	ND (0.062)	ND (0.064)	ND (0.11)	ND (0.070)	ND (0.0065)	ND (0.0068)	ND (0.0058)	ND (0.064)	ND (0.066)	ND (0.061)	ND (0.069)	ND (0.071)	ND (0.062)	ND (0.067)	ND (0.0068)	ND (0.0065)	ND (0.0074)	ND (0.0054)	ND (0.062)
trans-1,3-Dichloropropene Trichloroethene	0.082	0.057	ND (0.062) 0.24 ^{ab}	ND (0.064) 3.8 ^{ab}	ND (0.11) 4.3 ^{ab}	ND (0.070) ND (0.070)	ND (0.0065) ND (0.0065)	ND (0.0068) ND (0.0068)	ND (0.0058) ND (0.0058)	ND (0.064) 0.052 J	ND (0.066) 0.051 J	ND (0.061) 0.041 J	ND (0.069) 0.36 J ^{ab}	ND (0.071) 0.19 J ^{ab}	ND (0.062) ND (0.062)	ND (0.067) ND (0.067)	ND (0.0068) ND (0.0068)	ND (0.0065) ND (0.0065)	ND (0.0074) ND (0.0074)	ND (0.0054) 0.0023 J	ND (0.062) ND (0.062)
Trichlorofluoromethane (CFC-11)	*	*	ND (0.062) UJ	ND (0.064) UJ	ND (0.11)	ND (0.070)	ND (0.0065) ND (0.0065) UJ	ND (0.0068) UJ	ND (0.0058)	ND (0.064)	ND (0.066) UJ	ND (0.061)	ND (0.069)	ND (0.071)	ND (0.062) ND (0.062) UJ	ND (0.067) UJ	ND (0.0068) UJ	ND (0.0065)	ND (0.0074) ND (0.0074)	ND (0.0054)	ND (0.062)
Vinyl chloride	0.013	0.013	ND (0.062)	ND (0.064)	ND (0.11)	ND (0.070)	ND (0.0065)	ND (0.0068)	ND (0.0058)	ND (0.064)	ND (0.066)	ND (0.061)	ND (0.069)	ND (0.071)	ND (0.062)	ND (0.067)	ND (0.0068)	ND (0.0065)	ND (0.0074)	ND (0.0054)	ND (0.062)

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County I and County			B-160	B-160	B-161	B-162	B-162	B-162	B-163	B-164	B-164	B-165	B-166	B-166	B-167	B-167	B-167	B-168	B-168	B-169	R-169
Sample Location: Sample ID:	IDEM	IDEM	S-091203-MG-245	S-091203-MG-246	S-091103-MG-243	S-091003-MG-225	S-091003-MG-226	S-091003-MG-227	S-091003-MG-223	S-082903-MG-151	S-082903-MG-152	S-090403-MG-172	S-091103-MG-239	S-091103-MG-240	S-091103-MG-235	S-091103-MG-236	S-091103-MG-237	S-091103-MG-232	S-091103-MG-233	S-091103-MG-229	S-091103-MG-230
Sample Date:	RISC	RISC	9/12/2003	9/12/2003	9/11/2003	9/10/2003	9/10/2003	9/10/2003	9/10/2003	8/29/2003	8/29/2003	9/4/2003	9/11/2003	9/11/2003	9/11/2003	9/11/2003	9/11/2003	9/11/2003	9/11/2003	9/11/2003	9/11/2003
Sample Depth:	IDCL	RDCL	10-12 ft BGS	14-16 ft BGS	22-24 ft BGS	14-16 ft BGS	22-24 ft BGS	22-24 ft BGS	25-27 ft BGS	12-14 ft BGS	20-22 ft BGS	14-16 ft BGS	10-12 ft BGS	14-16 ft BGS	10-12 ft BGS	10-12 ft BGS	18-20 ft BGS	12-14 ft BGS	22-24 ft BGS	12-14 ft BGS	26-28 ft BGS
	а	ь						Duplicate								Duplicate					
Volatile Organic Compounds (mg/kg)																					
1,1,1,2-Tetrachloroethane	0.85	0.053	ND (0.0066) UJ	ND (0.060)	ND (0.062)	ND (0.0057) UJ	ND (0.0059) UJ	ND (0.058)	ND (0.0061) UJ	ND (0.0064)	ND (0.0063)	ND (0.0066) UJ	ND (0.0068) UJ	ND (0.0065) UJ	ND (0.0065) UJ	ND (0.007) UJ	ND (0.007) UJ	ND (0.0054) UJ	ND (0.0062) UJ	ND (0.0063) UJ	ND (0.0068) UJ
1,1,1-Trichloroethane	280	1.9	ND (0.0066)	ND (0.060)	ND (0.062)	ND (0.0057)	ND (0.0059)	ND (0.058)	ND (0.0061)	ND (0.0064)	ND (0.0063)	ND (0.0066)	ND (0.0068)	ND (0.0065)	ND (0.0065)	ND (0.007)	ND (0.007)	ND (0.0054)	ND (0.0062) UJ	ND (0.0063)	ND (0.0068)
1,1,2,2-Tetrachloroethane 1,1,2-Trichloroethane	0.11	0.007 0.03	ND (0.0066) ND (0.0066)	ND (0.060) ND (0.060)	ND (0.062) ND (0.062)	ND (0.0057) ND (0.0057)	ND (0.0059) ND (0.0059)	ND (0.058) ND (0.058)	ND (0.0061) ND (0.0061)	ND (0.0064) ND (0.0064)	ND (0.0063) ND (0.0063)	ND (0.0066) ND (0.0066)	ND (0.0068) ND (0.0068)	ND (0.0065) ND (0.0065)	ND (0.0065) ND (0.0065)	ND (0.007) ND (0.007)	ND (0.007) ND (0.007)	ND (0.0054) ND (0.0054)	ND (0.0062) UJ ND (0.0062) UJ	ND (0.0063) ND (0.0063)	ND (0.0068) ND (0.0068)
1,1-Dichloroethane	58	5.6	ND (0.0066)	ND (0.060)	ND (0.062)	ND (0.0057)	ND (0.0059)	ND (0.058)	ND (0.0061) ND (0.0061) UJ	ND (0.0064) ND (0.0064)	ND (0.0063)	ND (0.0066)	ND (0.0068) UI	ND (0.0065) UI	ND (0.0065) ND (0.0065) UJ	ND (0.007) ND (0.007) UJ	ND (0.007) ND (0.007) UJ	ND (0.0054) ND (0.0054) UJ	ND (0.0062) UJ	ND (0.0063) ND (0.0063) UJ	ND (0.0068) UI
1,1-Dichloroethene	42	0.058	ND (0.0066)	ND (0.060)	ND (0.062)	ND (0.0057)	ND (0.0059)	ND (0.058)	ND (0.0061)	ND (0.0064)	ND (0.0063)	ND (0.0066)	ND (0.0068)	ND (0.0065)	ND (0.0065)	ND (0.007)	ND (0.007)	ND (0.0054)	ND (0.0062) UJ	ND (0.0063)	ND (0.0068)
1,1-Dichloropropene	*	*	ND (0.0066)	ND (0.060)	ND (0.062)	ND (0.0057)	ND (0.0059)	ND (0.058)	ND (0.0061)	ND (0.0064)	ND (0.0063)	ND (0.0066)	ND (0.0068)	ND (0.0065)	ND (0.0065)	ND (0.007)	ND (0.007)	ND (0.0054)	ND (0.0062) UJ	ND (0.0063)	ND (0.0068)
1,2,3-Trichlorobenzene	*	*	ND (0.027)	ND (0.24) UJ	ND (0.25) UJ	ND (0.023)	ND (0.024)	ND (0.23)	ND (0.025)	ND (0.026)	ND (0.025)	ND (0.027)	ND (0.028)	ND (0.026)	ND (0.026)	ND (0.028)	ND (0.028)	ND (0.022)	ND (0.025) UJ	ND (0.025)	ND (0.027)
1,2,3-Trichloropropane 1,2,4-Trichloropenzene	* 77	5.3	ND (0.0066)	ND (0.060)	ND (0.062)	ND (0.0057)	ND (0.0059)	ND (0.058)	ND (0.0061)	ND (0.0064)	ND (0.0063)	ND (0.0066)	ND (0.0068)	ND (0.0065)	ND (0.0065)	ND (0.007)	ND (0.007)	ND (0.0054)	ND (0.0062) UJ	ND (0.0063)	ND (0.0068)
1,2,4-1richiorobenzene 1,2,4-Trimethylbenzene	170	2.5	ND (0.027) ND (0.027)	ND (0.24) UJ ND (0.24)	ND (0.25) UJ ND (0.25)	ND (0.023) ND (0.023)	ND (0.024) ND (0.024)	ND (0.23) ND (0.23)	ND (0.025) ND (0.025)	ND (0.026) ND (0.026)	ND (0.025) ND (0.025)	ND (0.027) ND (0.027)	ND (0.028) ND (0.028)	ND (0.026) ND (0.026)	ND (0.026) ND (0.026)	ND (0.028) ND (0.028)	ND (0.028) ND (0.028)	ND (0.022) ND (0.022)	ND (0.025) UJ ND (0.025) UJ	ND (0.025) ND (0.025)	ND (0.027) ND (0.027)
1,2-Dibromo-3-chloropropane (DBCP)	*	*	ND (0.027)	ND (0.24)	ND (0.25)	ND (0.023)	ND (0.024)	ND (0.23)	ND (0.025)	ND (0.026) UI	ND (0.025) UI	ND (0.027)	ND (0.028)	ND (0.026)	ND (0.026)	ND (0.028)	ND (0.028)	ND (0.022)	ND (0.025) UJ	ND (0.025)	ND (0.027)
1,2-Dibromoethane (Ethylene Dibromide)	*	*	ND (0.027)	ND (0.24)	ND (0.25)	ND (0.023)	ND (0.024)	ND (0.23)	ND (0.025)	ND (0.026)	ND (0.025)	ND (0.027)	ND (0.028)	ND (0.026)	ND (0.026)	ND (0.028)	ND (0.028)	ND (0.022)	ND (0.025) UJ	ND (0.025)	ND (0.027)
1,2-Dichlorobenzene	220	17	ND (0.0066)	ND (0.060)	ND (0.062)	ND (0.0057)	ND (0.0059)	ND (0.058)	ND (0.0061)	ND (0.0064)	ND (0.0063)	ND (0.0066)	ND (0.0068)	ND (0.0065)	ND (0.0065)	ND (0.007)	ND (0.007)	ND (0.0054)	ND (0.0062) UJ	ND (0.0063)	ND (0.0068)
1,2-Dichloroethane	0.15	0.024	ND (0.0066)	ND (0.060)	ND (0.062)	ND (0.0057)	ND (0.0059)	ND (0.058)	ND (0.0061)	ND (0.0064)	ND (0.0063)	ND (0.0066)	ND (0.0068)	ND (0.0065)	ND (0.0065)	ND (0.007)	ND (0.007)	ND (0.0054)	ND (0.0062) UJ	ND (0.0063)	ND (0.0068)
1,2-Dichloropropane	0.25	0.03	ND (0.0066)	ND (0.060)	ND (0.062)	ND (0.0057)	ND (0.0059)	ND (0.058)	ND (0.0061)	ND (0.0064)	ND (0.0063)	ND (0.0066)	ND (0.0068) UJ	ND (0.0065) UJ	ND (0.0065) UJ	ND (0.007) UJ	ND (0.007) UJ	ND (0.0054) UJ	ND (0.0062) UJ	ND (0.0063) UJ	ND (0.0068) UJ
1,3,5-Trimethylbenzene 1,3-Dichlorobenzene	68 2.7	0.61	ND (0.027) ND (0.0066)	ND (0.24) ND (0.060)	ND (0.25) ND (0.062)	ND (0.023) ND (0.0057)	ND (0.024) ND (0.0059)	ND (0.23) ND (0.058)	ND (0.025) ND (0.0061)	ND (0.026) ND (0.0064)	ND (0.025) ND (0.0063)	ND (0.027) ND (0.0066)	ND (0.028) ND (0.0068)	ND (0.026) ND (0.0065)	ND (0.026) ND (0.0065)	ND (0.028) ND (0.007)	ND (0.028) ND (0.007)	ND (0.022) ND (0.0054)	ND (0.025) UJ ND (0.0062) UJ	ND (0.025) ND (0.0063)	ND (0.027) ND (0.0068)
1,3-Dichloropropane	*	*	ND (0.0066)	ND (0.060) ND (0.060)	ND (0.062) ND (0.062)	ND (0.0057) ND (0.0057)	ND (0.0059) ND (0.0059)	ND (0.058) ND (0.058)	ND (0.0061) ND (0.0061)	ND (0.0064) ND (0.0064)	ND (0.0063) ND (0.0063)	ND (0.0066) ND (0.0066)	ND (0.0068) ND (0.0068)	ND (0.0065) ND (0.0065)	ND (0.0065) ND (0.0065)	ND (0.007) ND (0.007)	ND (0.007) ND (0.007)	ND (0.0054) ND (0.0054)	ND (0.0062) UJ	ND (0.0063) ND (0.0063)	ND (0.0068) ND (0.0068)
1,4-Dichlorobenzene	3.4	2.2	ND (0.0066)	ND (0.060)	ND (0.062)	ND (0.0057)	ND (0.0059)	ND (0.058)	ND (0.0061)	ND (0.0064)	ND (0.0063)	ND (0.0066)	ND (0.0068)	ND (0.0065)	ND (0.0065)	ND (0.007)	ND (0.007)	ND (0.0054)	ND (0.0062) UJ	ND (0.0063)	ND (0.0068)
2,2-Dichloropropane	*	*	ND (0.0066)	ND (0.060) UJ	ND (0.062) UJ	ND (0.0057)	ND (0.0059)	ND (0.058)	ND (0.0061)	ND (0.0064)	ND (0.0063)	ND (0.0066)	ND (0.0068)	ND (0.0065)	ND (0.0065)	ND (0.007)	ND (0.007)	ND (0.0054)	ND (0.0062) UJ	ND (0.0063)	ND (0.0068)
2-Butanone (Methyl Ethyl Ketone)	250	35	ND (0.027)	ND (2.4)	ND (2.5)	ND (0.023)	ND (0.024)	ND (2.3)	ND (0.025)	ND (0.026) UJ	ND (0.025) UJ	ND (0.027)	ND (0.028)	ND (0.026)	ND (0.026)	ND (0.028)	ND (0.028)	ND (0.022)	ND (0.025) UJ	ND (0.025)	ND (0.027)
2-Chlorotoluene 2-Hexanone	*	*	ND (0.027) ND (0.027)	ND (0.24) ND (2.4)	ND (0.25) ND (2.5)	ND (0.023) ND (0.023)	ND (0.024) ND (0.024)	ND (0.23) ND (2.3)	ND (0.025) ND (0.025)	ND (0.026) ND (0.026) UJ	ND (0.025) ND (0.025) UJ	ND (0.027) ND (0.027)	ND (0.028) ND (0.028)	ND (0.026) ND (0.026)	ND (0.026) ND (0.026)	ND (0.028) ND (0.028)	ND (0.028) ND (0.028)	ND (0.022) ND (0.022)	ND (0.025) UJ ND (0.025) UJ	ND (0.025) ND (0.025)	ND (0.027) ND (0.027)
2-Phenylbutane (sec-Butylbenzene)	*	*	ND (0.027)	ND (2.4) ND (0.24)	ND (0.25)	ND (0.023)	ND (0.024) ND (0.024)	ND (0.23)	ND (0.025)	ND (0.026) ND (0.026)	ND (0.025)	ND (0.027)	ND (0.028)	ND (0.026)	ND (0.026) ND (0.026)	ND (0.028)	ND (0.028)	ND (0.022) ND (0.022)	ND (0.025) UJ	ND (0.025) ND (0.025)	ND (0.027) ND (0.027)
4-Chlorotoluene	*	*	ND (0.027)	ND (0.24)	ND (0.25)	ND (0.023)	ND (0.024)	ND (0.23)	ND (0.025)	ND (0.026)	ND (0.025)	ND (0.027)	ND (0.028)	ND (0.026)	ND (0.026)	ND (0.028)	ND (0.028)	ND (0.022)	ND (0.025) UJ	ND (0.025)	ND (0.027)
4-Methyl-2-Pentanone			, ,	, ,	, ,	` ,	` ,	, ,	, ,	, ,	, ,	, ,	, ,	, ,	, ,	, ,	, ,	` ,	. , .	, ,	` '
(Methyl Isobutyl Ketone)	75	20	ND (0.027)	ND (2.4)	ND (2.5)	ND (0.023)	ND (0.024)	ND (2.3)	ND (0.025)	ND (0.026)	ND (0.025)	ND (0.027) UJ	ND (0.028)	ND (0.026)	ND (0.026)	ND (0.028)	ND (0.028)	ND (0.022)	ND (0.025) UJ	ND (0.025)	ND (0.027)
Acetone	370	3.8	ND (0.066) UJ	ND (2.4)	ND (2.5)	0.013 J	ND (0.059) UJ	ND (2.3)	ND (0.061) UJ	ND (0.064)	ND (0.063)	ND (0.066) UJ	ND (0.068) UJ	ND (0.065) UJ	ND (0.065) UJ	ND (0.07) UJ	ND (0.07) UJ	ND (0.054) UJ	ND (0.062) UJ	0.013 J	ND (0.068) UJ
Benzene Bromobenzene	0.35	0.034	ND (0.0066) ND (0.0066)	ND (0.060) ND (0.24)	ND (0.062) ND (0.25)	ND (0.0057) ND (0.0057)	ND (0.0059) ND (0.0059)	ND (0.058) ND (0.23)	ND (0.0061) ND (0.0061)	ND (0.0064) ND (0.0064)	ND (0.0063) ND (0.0063)	ND (0.0066) ND (0.0066)	ND (0.0068) ND (0.0068)	ND (0.0065) ND (0.0065)	ND (0.0065) ND (0.0065)	ND (0.007) ND (0.007)	ND (0.007) ND (0.007)	ND (0.0054) ND (0.0054)	ND (0.0062) UJ ND (0.0062) UJ	ND (0.0063) ND (0.0063)	ND (0.0068) ND (0.0068)
Bromodichloromethane	0.51	0.51	ND (0.0066)	ND (0.060)	ND (0.062)	ND (0.0057)	ND (0.0059)	ND (0.058)	ND (0.0061)	ND (0.0064)	ND (0.0063)	ND (0.0066)	ND (0.0068)	ND (0.0065)	ND (0.0065)	ND (0.007)	ND (0.007)	ND (0.0054)	ND (0.0062) UJ	ND (0.0063)	ND (0.0068)
Bromoform	2.7	0.6	ND (0.0066) UJ	ND (0.060)	ND (0.062)	ND (0.0057) UJ	ND (0.0059) UJ	ND (0.058)	ND (0.0061) UJ	ND (0.0064) UJ	ND (0.0063) UJ	ND (0.0066) UJ	ND (0.0068) UJ	ND (0.0065) UJ	ND (0.0065) UJ	ND (0.007) UJ	ND (0.007) UJ	ND (0.0054) UJ	ND (0.0062) UJ	ND (0.0063) UJ	ND (0.0068) UJ
Bromomethane (Methyl Bromide)	0.7	0.052	ND (0.0066) UJ	ND (0.060)	ND (0.062)	ND (0.0057) UJ	ND (0.0059) UJ	ND (0.058)	ND (0.0061) UJ	ND (0.0064)	ND (0.0063)	ND (0.0066) UJ	ND (0.0068) UJ	ND (0.0065) UJ	ND (0.0065) UJ	ND (0.007) UJ	ND (0.007) UJ	ND (0.0054) UJ	ND (0.0062) UJ	ND (0.0063) UJ	ND (0.0068) UJ
Carbon disulfide	82	10	ND (0.0066)	ND (0.060)	ND (0.062)	ND (0.0057)	ND (0.0059)	ND (0.058)	ND (0.0061)	ND (0.0064)	ND (0.0063)	ND (0.0066)	ND (0.0068)	ND (0.0065)	ND (0.0065)	ND (0.007)	ND (0.007)	ND (0.0054)	ND (0.0062) UJ	ND (0.0063)	ND (0.0068)
Carbon tetrachloride Chlorobenzene	0.29 27	0.066 1.3	ND (0.0066) ND (0.0066)	ND (0.060) ND (0.060)	ND (0.062) ND (0.062)	ND (0.0057) ND (0.0057)	ND (0.0059) ND (0.0059)	ND (0.058) ND (0.058)	ND (0.0061) ND (0.0061)	ND (0.0064) ND (0.0064)	ND (0.0063) ND (0.0063)	ND (0.0066) ND (0.0066)	ND (0.0068) ND (0.0068)	ND (0.0065) ND (0.0065)	ND (0.0065) ND (0.0065)	ND (0.007) ND (0.007)	ND (0.007) ND (0.007)	ND (0.0054) ND (0.0054)	ND (0.0062) UJ ND (0.0062) UJ	ND (0.0063) ND (0.0063)	ND (0.0068) ND (0.0068)
Chlorobromomethane	*	*	ND (0.0066)	ND (0.060)	ND (0.062)	ND (0.0057)	ND (0.0059)	ND (0.058)	ND (0.0061)	ND (0.0064)	ND (0.0063)	ND (0.0066)	ND (0.0068)	ND (0.0065)	ND (0.0065)	ND (0.007)	ND (0.007)	ND (0.0054)	ND (0.0062) UJ	ND (0.0063)	ND (0.0068)
Chloroethane	10	0.65	ND (0.0066) UJ	ND (0.060)	ND (0.062)	ND (0.0057) UJ	ND (0.0059) UJ	ND (0.058)	ND (0.0061)	ND (0.0064)	ND (0.0063)	ND (0.0066)	ND (0.0068)	ND (0.0065)	ND (0.0065)	ND (0.007)	ND (0.007)	ND (0.0054)	ND (0.0062) UJ	ND (0.0063)	ND (0.0068)
Chloroform (Trichloromethane)	1.2	0.47	ND (0.0066)	ND (0.060)	ND (0.062)	ND (0.0057)	ND (0.0059)	ND (0.058)	ND (0.0061)	ND (0.0064)	ND (0.0063)	ND (0.0066)	ND (0.0068)	ND (0.0065)	ND (0.0065)	ND (0.007)	ND (0.007)	ND (0.0054)	ND (0.0062) UJ	ND (0.0063)	ND (0.0068)
Chloromethane (Methyl Chloride)	*	*	ND (0.0066)	ND (0.060)	ND (0.062)	ND (0.0057)	ND (0.0059)	ND (0.058)	ND (0.0061)	ND (0.0064)	ND (0.0063)	ND (0.0066)	ND (0.0068)	ND (0.0065)	ND (0.0065)	ND (0.007)	ND (0.007)	ND (0.0054)	ND (0.0062) UJ	ND (0.0063)	ND (0.0068)
cis-1,2-Dichloroethene	5.8	0.4	ND (0.0066) ND (0.0066)	ND (0.060)	ND (0.062)	ND (0.0057) ND (0.0057)	ND (0.0059) ND (0.0059)	ND (0.058)	ND (0.0061) ND (0.0061)	ND (0.0064)	ND (0.0063)	ND (0.0066) ND (0.0066)	ND (0.0068)	ND (0.0065)	ND (0.0065) ND (0.0065)	ND (0.007) ND (0.007)	ND (0.007) ND (0.007)	ND (0.0054) ND (0.0054)	ND (0.0062) UJ	ND (0.0063)	ND (0.0068) ND (0.0068)
cis-1,3-Dichloropropene Cymene (p-Isopropyltoluene)	*	*	ND (0.0066) ND (0.027)	ND (0.060) ND (0.24)	ND (0.062) ND (0.25)	ND (0.0057) ND (0.023)	ND (0.0059) ND (0.024)	ND (0.058) ND (0.23)	ND (0.0061) ND (0.025)	ND (0.0064) UJ ND (0.026)	ND (0.0063) UJ ND (0.025)	ND (0.0066) ND (0.027)	ND (0.0068) ND (0.028)	ND (0.0065) ND (0.026)	ND (0.0065)	ND (0.007) ND (0.028)	ND (0.007) ND (0.028)	ND (0.0054) ND (0.022)	ND (0.0062) UJ ND (0.025) UJ	ND (0.0063) ND (0.025)	ND (0.0068) ND (0.027)
Dibromochloromethane	*	*	ND (0.0066)	ND (0.060)	ND (0.062)	ND (0.0057)	ND (0.0059)	ND (0.058)	ND (0.0061)	ND (0.0064)	ND (0.0063)	ND (0.0066)	ND (0.0068)	ND (0.0065)	ND (0.0065)	ND (0.007)	ND (0.007)	ND (0.0054)	ND (0.0062) UJ	ND (0.0063)	ND (0.0068)
Dibromomethane	*	*	ND (0.0066)	ND (0.060)	ND (0.062)	ND (0.0057)	ND (0.0059)	ND (0.058)	ND (0.0061)	ND (0.0064)	ND (0.0063)	ND (0.0066)	ND (0.0068)	ND (0.0065)	ND (0.0065)	ND (0.007)	ND (0.007)	ND (0.0054)	ND (0.0062) UJ	ND (0.0063)	ND (0.0068)
Dichlorodifluoromethane (CFC-12)	*	*	ND (0.0066)	ND (0.060)	ND (0.062)	ND (0.0057)	ND (0.0059)	ND (0.058)	ND (0.0061)	ND (0.0064)	ND (0.0063)	ND (0.0066)	ND (0.0068)	ND (0.0065)	ND (0.0065)	ND (0.007)	ND (0.007)	ND (0.0054)	ND (0.0062) UJ	ND (0.0063)	ND (0.0068)
Ethylbenzene Hexachlorobutadiene	160 44	13 16	ND (0.0066) ND (0.027) UJ	ND (0.060) ND (0.24)	ND (0.062) ND (0.25)	ND (0.0057) ND (0.023) UJ	ND (0.0059) ND (0.024) UJ	ND (0.058) ND (0.23)	ND (0.0061) ND (0.025)	ND (0.0064) ND (0.026)	ND (0.0063) ND (0.025)	ND (0.0066) ND (0.027)	ND (0.0068) ND (0.028)	ND (0.0065) ND (0.026)	ND (0.0065) ND (0.026)	ND (0.007) ND (0.028)	ND (0.007) ND (0.028)	ND (0.0054) ND (0.022)	ND (0.0062) UJ ND (0.025) UJ	ND (0.0063) ND (0.025)	ND (0.0068) ND (0.027)
Isopropylbenzene	*	*	ND (0.027) UJ ND (0.027)	ND (0.24) ND (0.24)	ND (0.25) ND (0.25)	ND (0.023) UJ ND (0.023)	ND (0.024) UJ ND (0.024)	ND (0.23) ND (0.23)	ND (0.025) ND (0.025)	ND (0.026) ND (0.026)	ND (0.025) ND (0.025)	ND (0.027) ND (0.027)	ND (0.028) ND (0.028)	ND (0.026) ND (0.026)	ND (0.026) ND (0.026)	ND (0.028)	ND (0.028) ND (0.028)	ND (0.022) ND (0.022)	ND (0.025) UJ ND (0.025) UJ	ND (0.025) ND (0.025)	ND (0.027) ND (0.027)
m&p-Xylene	*	*	ND (0.0066) UJ	ND (0.060)	ND (0.062)	ND (0.0057) UJ	ND (0.0059) UJ	ND (0.23)	ND (0.0061) UJ	ND (0.0064) UJ	ND (0.0063) UJ	ND (0.0066) UJ	ND (0.0068) UJ	ND (0.0065) UJ	ND (0.0065) UJ	ND (0.007) UJ	ND (0.028) ND (0.007) UJ	ND (0.0054) UJ	ND (0.0062) UJ	ND (0.0063) UJ	ND (0.0068) UJ
Methylene chloride	1.8	0.023	ND (0.014)	ND (0.24)	ND (0.25)	0.0046 J	0.003 J	ND (0.23)	0.015	ND (0.013)	ND (0.013)	ND (0.014)	ND (0.014)	ND (0.013)	0.0021	0.0026	0.0028	0.0019	ND (0.013)	0.0027	0.0026
Naphthalene	170	0.7	ND (0.027)	ND (0.24) UJ	ND (0.25) UJ	ND (0.023)	ND (0.024)	ND (0.23)	ND (0.025)	ND (0.026)	ND (0.025)	ND (0.027)	ND (0.028)	ND (0.026)	ND (0.026)	ND (0.028)	ND (0.028)	ND (0.022)	ND (0.025) UJ	ND (0.025)	ND (0.027)
n-Butylbenzene	*	*	ND (0.027)	ND (0.24)	ND (0.25)	ND (0.023)	ND (0.024)	ND (0.23)	ND (0.025)	ND (0.026)	ND (0.025)	ND (0.027)	ND (0.028)	ND (0.026)	ND (0.026)	ND (0.028)	ND (0.028)	ND (0.022)	ND (0.025) UJ	ND (0.025)	ND (0.027)
n-Propylbenzene	*	*	ND (0.027)	ND (0.24)	ND (0.25)	ND (0.023)	ND (0.024)	ND (0.23)	ND (0.025)	ND (0.026)	ND (0.025) ND (0.0063)	ND (0.027)	ND (0.028)	ND (0.026)	ND (0.026)	ND (0.028)	ND (0.028)	ND (0.022)	ND (0.025) UJ	ND (0.025)	ND (0.027)
o-Xylene Styrene	550	3.5	ND (0.0066) UJ ND (0.0066) UI	ND (0.060) ND (0.060)	ND (0.062) ND (0.062)	ND (0.0057) UJ ND (0.0057) UJ	ND (0.0059) UJ ND (0.0059) UI	ND (0.058) ND (0.058)	ND (0.0061) UJ ND (0.0061) UI	ND (0.0064) ND (0.0064) UJ	ND (0.0063) ND (0.0063) UJ	ND (0.0066) UJ ND (0.0066) UI	ND (0.0068) UJ ND (0.0068) UJ	ND (0.0065) UJ ND (0.0065) UJ	ND (0.0065) UJ ND (0.0065) UI	ND (0.007) UJ ND (0.007) UJ	ND (0.007) UJ ND (0.007) UI	ND (0.0054) UJ ND (0.0054) UI	ND (0.0062) UJ ND (0.0062) UJ	ND (0.0063) UJ ND (0.0063) UJ	ND (0.0068) UJ ND (0.0068) UI
tert-Butvlbenzene	*	3.3 *	ND (0.0066) UJ ND (0.027)	ND (0.060) ND (0.24)	ND (0.062) ND (0.25)	ND (0.0057) UJ ND (0.023)	ND (0.0059) UJ ND (0.024)	ND (0.058) ND (0.23)	ND (0.0061) UJ ND (0.025)	ND (0.0064) U) ND (0.026)	ND (0.0063) UJ ND (0.025)	ND (0.0066) UJ ND (0.027)	ND (0.0088) U) ND (0.028)	ND (0.0065) UJ ND (0.026)	ND (0.0065) UJ ND (0.026)	ND (0.007) UJ ND (0.028)	ND (0.007) U) ND (0.028)	ND (0.0054) UJ ND (0.022)	ND (0.0062) UJ ND (0.025) UJ	ND (0.0063) U) ND (0.025)	ND (0.0068) UJ ND (0.027)
Tetrachloroethene	0.64	0.058	2.3 ^{ab}	6.2 ^{ab}	4.6 ^{ab}	1.3 ^{ab}	0.3 J ^b	3.4 J ^{ab}	0.018	0.00048 I	ND (0.0063)	0.0078	0.011	0.018	0.01	0.0065	0.017	0.043	0.32 J ^b	0.0089	0.21 ^b
Toluene	240	12	ND (0.0066)	ND (0.060)	ND (0.062)	ND (0.0057)	ND (0.0059)	ND (0.058)	ND (0.0061)	ND (0.0064)	ND (0.0063)	ND (0.0066)	ND (0.0068)	ND (0.0065)	ND (0.0065)	ND (0.007)	ND (0.007)	ND (0.0054)	ND (0.0062) UJ	ND (0.0063)	ND (0.0068)
trans-1,2-Dichloroethene	14	0.68	ND (0.0066)	ND (0.060)	ND (0.062)	ND (0.0057)	ND (0.0059)	ND (0.058)	ND (0.0061)	ND (0.0064)	ND (0.0063)	ND (0.0066)	ND (0.0068)	ND (0.0065)	ND (0.0065)	ND (0.007)	ND (0.007)	ND (0.0054)	ND (0.0062) UJ	ND (0.0063)	ND (0.0068)
trans-1,3-Dichloropropene	*	*	ND (0.0066)	ND (0.060)	ND (0.062)	ND (0.0057)	ND (0.0059)	ND (0.058)	ND (0.0061)	ND (0.0064) UJ	ND (0.0063) UJ	ND (0.0066)	ND (0.0068)	ND (0.0065)	ND (0.0065)	ND (0.007)	ND (0.007)	ND (0.0054)	ND (0.0062) UJ	ND (0.0063)	ND (0.0068)
Trichloroethene	0.082	0.057	0.0086	0.037 J	ND (0.062)	ND (0.0057)	0.00074 J	ND (0.058)	ND (0.0061)	ND (0.0064)	ND (0.0063)	ND (0.0066)	ND (0.0068)	ND (0.0065)	ND (0.0065)	ND (0.007)	ND (0.007)	ND (0.0054)	0.0041 J	0.00098	0.013
Trichlorofluoromethane (CFC-11) Vinyl chloride	0.013	0.013	ND (0.0066) UJ ND (0.0066)	ND (0.060) ND (0.060)	ND (0.062) ND (0.062)	ND (0.0057) UJ ND (0.0057)	ND (0.0059) UJ ND (0.0059)	ND (0.058) ND (0.058)	ND (0.0061) ND (0.0061)	ND (0.0064) ND (0.0064)	ND (0.0063) ND (0.0063)	ND (0.0066) UJ ND (0.0066)	ND (0.0068) ND (0.0068)	ND (0.0065) ND (0.0065)	ND (0.0065) ND (0.0065)	ND (0.007) ND (0.007)	ND (0.007) ND (0.007)	ND (0.0054) ND (0.0054)	ND (0.0062) UJ ND (0.0062) UI	ND (0.0063) ND (0.0063)	ND (0.0068) ND (0.0068)
vinyi cinoride	0.015	0.013	1412 (0.0000)	1412 (0.000)	1417 (0.002)	1412 (0.0037)	1412 (0.0039)	110 (0.000)	1112 (0.0001)	1412 (0.0004)	ND (0.0003)	1412 (0.0000)	1412 (0.0000)	1412 (0.0003)	1412 (0.0003)	1412 (0.007)	1412 (0.007)	1412 (0.0034)	1412 (0.0002) (0)	ND (0.0003)	ND (0.0000)

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Canada I acation			B-170	B-171	B-171	B-171	B-172	B-173	B-174	B-175	B-175	B-176	B-176	B-177	B-177	B-178	B-178	B-179	B-180	B-182	B-183
Sample Location: Sample ID:	IDEM	IDEM	S-090403-MG-176	S-090203-MG-153	S-090203-MG-154	S-090203-MG-155	S-090303-MG-170	S-090303-MG-168	S-090303-MG-165	S-090303-MG-162	S-090303-MG-163	S-090303-MG-160	S-090303-MG-161	S-090203-MG-158	S-090203-MG-159	S-090203-MG-156	B-178 S-090203-MG-157	B-179 S-091503-MG-273	S-091603-MG-280	S-082704-MG-066	S-082704-MG-068
Sample Date:	RISC	RISC	9/4/2003	9/2/2003	9/2/2003	9/2/2003	9/3/2003	9/3/2003	9/3/2003	9/3/2003	9/3/2003	9/3/2003	9/3/2003	9/2/2003	9/2/2003	9/2/2003	9/2/2003	9/15/2003	9/16/2003	8/27/2004	8/27/2004
Sample Depth:	IDCL	RDCL	24-26 ft BGS	12-14 ft BGS	24-26 ft BGS	24-26 ft BGS	12-14 ft BGS	14-16 ft BGS	14-16 ft BGS	10-12 ft BGS	24-26 ft BGS	10-12 ft BGS	28-30 ft BGS	10-12 ft BGS	26-28 ft BGS	16-18 ft BGS	26-28 ft BGS	12-14 ft BGS	12-14 ft BGS	12-14 ft BGS	12-14 ft BGS
	а	b				Duplicate															
Volatile Organic Compounds (mg/kg)																					
1,1,1,2-Tetrachloroethane 1,1,1-Trichloroethane	0.85 280	0.053 1.9	ND (0.0056) UJ ND (0.0056)	ND (0.0061) ND (0.0061)	ND (0.0064) UJ ND (0.0064)	ND (0.0069) UJ ND (0.0069)	ND (0.0069) UJ ND (0.0069)	ND (0.0073) UJ ND (0.0073)	ND (0.006) UJ ND (0.006)	ND (0.006) ND (0.006)	ND (0.0068) UJ ND (0.0068)	ND (0.0065) UJ ND (0.0065)	ND (0.0048) ND (0.0048)	ND (0.0061) UJ ND (0.0061)	ND (0.0064) UJ ND (0.0064)	ND (0.0055) ND (0.0055)	ND (0.0064) UJ ND (0.0064)	ND (0.063) ND (0.063)	ND (0.059) ND (0.059)	ND (0.0058) ND (0.0058)	ND (0.0059) ND (0.0059)
1,1,2,2-Tetrachloroethane	0.11	0.007	ND (0.0056)	ND (0.0061) ND (0.0061)	ND (0.0064)	ND (0.0069) ND (0.0069)	ND (0.0069)	ND (0.0073)	ND (0.006) ND (0.006) UJ	ND (0.006)	ND (0.0068)	ND (0.0065)	ND (0.0048)	ND (0.0061)	ND (0.0064) ND (0.0064)	ND (0.0055)	ND (0.0064) ND (0.0064)	ND (0.063)	ND (0.059)	ND (0.0058)	ND (0.0059) ND (0.0059)
1,1,2-Trichloroethane	0.3	0.03	ND (0.0056)	ND (0.0061)	ND (0.0064)	ND (0.0069)	ND (0.0069)	ND (0.0073)	ND (0.006)	ND (0.006)	ND (0.0068)	ND (0.0065)	ND (0.0048)	ND (0.0061)	ND (0.0064)	ND (0.0055)	ND (0.0064)	ND (0.063)	ND (0.059)	ND (0.0058)	ND (0.0059)
1,1-Dichloroethane	58	5.6	ND (0.0056)	ND (0.0061)	ND (0.0064)	ND (0.0069)	ND (0.0069)	ND (0.0073)	ND (0.006)	ND (0.006)	ND (0.0068)	ND (0.0065)	ND (0.0048)	ND (0.0061)	ND (0.0064)	ND (0.0055)	ND (0.0064)	ND (0.063)	ND (0.059)	ND (0.0058)	ND (0.0059)
1,1-Dichloroethene	42	0.058	ND (0.0056)	ND (0.0061)	ND (0.0064)	ND (0.0069)	ND (0.0069)	ND (0.0073)	ND (0.006)	ND (0.006)	ND (0.0068)	ND (0.0065)	ND (0.0048)	ND (0.0061)	ND (0.0064)	ND (0.0055)	ND (0.0064)	ND (0.063)	ND (0.059)	ND (0.0058)	ND (0.0059)
1,1-Dichloropropene 1,2,3-Trichlorobenzene	*	*	ND (0.0056) ND (0.023)	ND (0.0061) ND (0.025)	ND (0.0064) ND (0.026)	ND (0.0069) ND (0.028)	ND (0.0069) ND (0.028) UJ	ND (0.0073) ND (0.03) UJ	ND (0.006) ND (0.024) UJ	ND (0.006) ND (0.024)	ND (0.0068) ND (0.027) UJ	ND (0.0065) ND (0.026) UJ	ND (0.0048) ND (0.019)	ND (0.0061) ND (0.025)	ND (0.0064) ND (0.026)	ND (0.0055) ND (0.022)	ND (0.0064) ND (0.026)	ND (0.063) ND (0.26)	ND (0.059) ND (0.24)	ND (0.0058) ND (0.0058)	ND (0.0059) ND (0.0059)
1,2,3-Trichloropropane	*	*	ND (0.0056)	ND (0.0061)	ND (0.0064)	ND (0.0069)	ND (0.028) (0)	ND (0.0073)	ND (0.006) UJ	ND (0.006)	ND (0.0068)	ND (0.0065)	ND (0.019)	ND (0.0061)	ND (0.026)	ND (0.0055)	ND (0.0064)	ND (0.063)	ND (0.059)	ND (0.0058)	ND (0.0059)
1,2,4-Trichlorobenzene	77	5.3	ND (0.023)	ND (0.025)	ND (0.026)	ND (0.028)	ND (0.028)	ND (0.03)	ND (0.024) UJ	ND (0.024)	ND (0.027)	ND (0.026)	ND (0.019)	ND (0.025)	ND (0.026)	ND (0.022)	ND (0.026)	ND (0.26)	ND (0.24)	ND (0.023)	ND (0.024)
1,2,4-Trimethylbenzene	170	2.5	ND (0.023)	ND (0.025)	ND (0.026)	ND (0.028)	ND (0.028)	ND (0.03)	ND (0.024) UJ	ND (0.024)	ND (0.027)	ND (0.026)	ND (0.019)	ND (0.025)	ND (0.026)	ND (0.022)	ND (0.026)	ND (0.26)	ND (0.24)	ND (0.023)	ND (0.024)
1,2-Dibromo-3-chloropropane (DBCP)	*	*	ND (0.023) ND (0.023)	ND (0.025) UJ	ND (0.026)	ND (0.028) ND (0.028)	ND (0.028)	ND (0.03) ND (0.03)	ND (0.024) UJ ND (0.024)	ND (0.024) UJ	ND (0.027)	ND (0.026) ND (0.026)	ND (0.019) UJ	ND (0.025)	ND (0.026) ND (0.026)	ND (0.022) UJ	ND (0.026)	ND (0.26) ND (0.26)	ND (0.24)	ND (0.023)	ND (0.024) ND (0.0059)
1,2-Dibromoethane (Ethylene Dibromide) 1,2-Dichlorobenzene	220	17	ND (0.023) ND (0.0056)	ND (0.025) ND (0.0061)	ND (0.026) ND (0.0064)	ND (0.028) ND (0.0069)	ND (0.028) ND (0.0069)	ND (0.03) ND (0.0073)	ND (0.024) ND (0.006) UJ	ND (0.024) ND (0.006)	ND (0.027) ND (0.0068)	ND (0.026) ND (0.0065)	ND (0.019) ND (0.0048)	ND (0.025) ND (0.0061)	ND (0.026)	ND (0.022) ND (0.0055)	ND (0.026) ND (0.0064)	ND (0.26) ND (0.063)	ND (0.24) ND (0.059)	ND (0.0058) ND (0.0058)	ND (0.0059)
1,2-Dichloroethane	0.15	0.024	ND (0.0056)	ND (0.0061)	ND (0.0064)	ND (0.0069)	ND (0.0069)	ND (0.0073)	ND (0.006)	ND (0.006)	ND (0.0068)	ND (0.0065)	ND (0.0048)	ND (0.0061)	ND (0.0064)	ND (0.0055)	ND (0.0064)	ND (0.063)	ND (0.059)	ND (0.0058)	ND (0.0059)
1,2-Dichloropropane	0.25	0.03	ND (0.0056)	ND (0.0061)	ND (0.0064)	ND (0.0069)	ND (0.0069)	ND (0.0073)	ND (0.006)	ND (0.006)	ND (0.0068)	ND (0.0065)	ND (0.0048)	ND (0.0061)	ND (0.0064)	ND (0.0055)	ND (0.0064)	ND (0.063)	ND (0.059)	ND (0.0058)	ND (0.0059)
1,3,5-Trimethylbenzene	68	0.61	ND (0.023)	ND (0.025)	ND (0.026)	ND (0.028)	ND (0.028)	ND (0.03)	ND (0.024) UJ	ND (0.024)	ND (0.027)	ND (0.026)	ND (0.019)	ND (0.025)	ND (0.026)	ND (0.022)	ND (0.026)	ND (0.26)	ND (0.24)	ND (0.0058)	ND (0.0059)
1,3-Dichlorobenzene 1,3-Dichloropropane	2.7	0.2	ND (0.0056) ND (0.0056)	ND (0.0061) ND (0.0061)	ND (0.0064) ND (0.0064)	ND (0.0069) ND (0.0069)	ND (0.0069) ND (0.0069)	ND (0.0073) ND (0.0073)	ND (0.006) UJ ND (0.006)	ND (0.006) ND (0.006)	ND (0.0068) ND (0.0068)	ND (0.0065) ND (0.0065)	ND (0.0048) ND (0.0048)	ND (0.0061) ND (0.0061)	ND (0.0064) ND (0.0064)	ND (0.0055) ND (0.0055)	ND (0.0064) ND (0.0064)	ND (0.063) ND (0.063)	ND (0.059) ND (0.059)	ND (0.0058) ND (0.0058)	ND (0.0059) ND (0.0059)
1.4-Dichlorobenzene	3.4	2.2	ND (0.0056)	ND (0.0061)	ND (0.0064)	ND (0.0069)	ND (0.0069)	ND (0.0073)	ND (0.006) UI	ND (0.006)	ND (0.0068)	ND (0.0065)	ND (0.0048)	ND (0.0061)	ND (0.0064)	ND (0.0055)	ND (0.0064)	ND (0.063)	ND (0.059)	ND (0.0058)	ND (0.0059)
2,2-Dichloropropane	*	*	ND (0.0056)	ND (0.0061)	ND (0.0064)	ND (0.0069)	ND (0.0069)	ND (0.0073)	ND (0.006)	ND (0.006)	ND (0.0068)	ND (0.0065)	ND (0.0048)	ND (0.0061)	ND (0.0064)	ND (0.0055)	ND (0.0064)	ND (0.063)	ND (0.059)	ND (0.0058)	ND (0.0059)
2-Butanone (Methyl Ethyl Ketone)	250	35	ND (0.023)	ND (0.025) UJ	ND (0.026)	ND (0.028)	ND (0.028) UJ	ND (0.03) UJ	ND (0.024) UJ	ND (0.024) UJ	ND (0.027) UJ	ND (0.026) UJ	ND (0.019) UJ	ND (0.025)	ND (0.026)	ND (0.022) UJ	ND (0.026)	ND (2.6) UJ	ND (2.4)	ND (0.023) UJ	ND (0.024) UJ
2-Chlorotoluene 2-Hexanone	*	*	ND (0.023) ND (0.023)	ND (0.025) ND (0.025) UJ	ND (0.026) ND (0.026)	ND (0.028) ND (0.028)	ND (0.028) ND (0.028)	ND (0.03) ND (0.03)	ND (0.024) UJ ND (0.024)	ND (0.024) ND (0.024) UJ	ND (0.027) ND (0.027)	ND (0.026) ND (0.026)	ND (0.019) ND (0.019) UJ	ND (0.025) ND (0.025)	ND (0.026) ND (0.026)	ND (0.022) ND (0.022) UJ	ND (0.026) ND (0.026)	ND (0.26) ND (2.6)	ND (0.24) ND (2.4) UJ	ND (0.023) ND (0.023) UJ	ND (0.024) ND (0.024) UJ
2-Phenylbutane (sec-Butylbenzene)	*	*	ND (0.023)	ND (0.025) ND (0.025)	ND (0.026)	ND (0.028)	ND (0.028)	ND (0.03)	ND (0.024)	ND (0.024) U)	ND (0.027) ND (0.027)	ND (0.026) ND (0.026)	ND (0.019) Uj	ND (0.025)	ND (0.026)	ND (0.022) U)	ND (0.026) ND (0.026)	ND (2.6) ND (0.26)	ND (2.4) U) ND (0.24)	ND (0.023) ND (0.023)	ND (0.024) U)
4-Chlorotoluene	*	*	ND (0.023)	ND (0.025)	ND (0.026)	ND (0.028)	ND (0.028)	ND (0.03)	ND (0.024) UJ	ND (0.024)	ND (0.027)	ND (0.026)	ND (0.019)	ND (0.025)	ND (0.026)	ND (0.022)	ND (0.026)	ND (0.26)	ND (0.24)	ND (0.023)	ND (0.024)
4-Methyl-2-Pentanone																					
(Methyl Isobutyl Ketone)	75	20	ND (0.023)	ND (0.025)	0.0088 J	ND (0.028)	ND (0.028) UJ	ND (0.03) UJ	ND (0.024) UJ	ND (0.024)	ND (0.027) UJ	ND (0.026) UJ	ND (0.019)	ND (0.025)	ND (0.026)	ND (0.022)	ND (0.026)	ND (2.6)	ND (2.4)	ND (0.023)	ND (0.024)
Acetone Benzene	370 0.35	3.8 0.034	ND (0.056) UJ ND (0.0056)	ND (0.061) ND (0.0061)	ND (0.064) UJ ND (0.0064)	ND (0.069) UJ ND (0.0069)	ND (0.069) UJ ND (0.0069)	ND (0.073) UJ ND (0.0073)	ND (0.06) UJ ND (0.006)	ND (0.06) ND (0.006)	ND (0.068) UJ ND (0.0068)	ND (0.065) UJ ND (0.0065)	ND (0.048) ND (0.0048)	ND (0.061) UJ ND (0.0061)	ND (0.064) UJ ND (0.0064)	ND (0.055) ND (0.0055)	ND (0.064) UJ ND (0.0064)	ND (2.6) ND (0.063)	ND (2.4) ND (0.059)	ND (0.023) UJ ND (0.0058)	ND (0.024) UJ ND (0.0059)
Bromobenzene	*	*	ND (0.0056)	ND (0.0061)	ND (0.0064)	ND (0.0069)	ND (0.0069)	ND (0.0073)	ND (0.006) UJ	ND (0.006)	ND (0.0068)	ND (0.0065)	ND (0.0048)	ND (0.0061)	ND (0.0064)	ND (0.0055)	ND (0.0064)	ND (0.26)	ND (0.24)	ND (0.0058)	ND (0.0059)
Bromodichloromethane	0.51	0.51	ND (0.0056)	ND (0.0061)	ND (0.0064)	ND (0.0069)	ND (0.0069)	ND (0.0073)	ND (0.006)	ND (0.006)	ND (0.0068)	ND (0.0065)	ND (0.0048)	ND (0.0061)	ND (0.0064)	ND (0.0055)	ND (0.0064)	ND (0.063)	ND (0.059)	ND (0.0058)	ND (0.0059)
Bromoform	2.7	0.6	ND (0.0056) UJ	ND (0.0061) UJ	ND (0.0064) UJ	ND (0.0069) UJ	ND (0.0069) UJ	ND (0.0073) UJ	ND (0.006) UJ	ND (0.006) UJ	ND (0.0068) UJ	ND (0.0065) UJ	ND (0.0048) UJ	ND (0.0061) UJ	ND (0.0064) UJ	ND (0.0055) UJ	ND (0.0064) UJ	ND (0.063)	ND (0.059)	ND (0.0058)	ND (0.0059)
Bromomethane (Methyl Bromide) Carbon disulfide	0.7 82	0.052 10	ND (0.0056) UJ ND (0.0056)	ND (0.0061) ND (0.0061)	ND (0.0064) UJ ND (0.0064)	ND (0.0069) UJ ND (0.0069)	ND (0.0069) UJ ND (0.0069)	ND (0.0073) UJ ND (0.0073)	ND (0.006) UJ ND (0.006)	ND (0.006) ND (0.006)	ND (0.0068) UJ ND (0.0068)	ND (0.0065) UJ ND (0.0065)	ND (0.0048) ND (0.0048)	ND (0.0061) UJ ND (0.0061)	ND (0.0064) UJ ND (0.0064)	ND (0.0055) ND (0.0055)	ND (0.0064) UJ ND (0.0064)	ND (0.063) ND (0.063)	ND (0.059) ND (0.059)	ND (0.0058) ND (0.0058)	ND (0.0059) ND (0.0059)
Carbon distinue Carbon tetrachloride	0.29	0.066	ND (0.0056)	ND (0.0061)	ND (0.0064)	ND (0.0069)	ND (0.0069)	ND (0.0073)	ND (0.006)	ND (0.006)	ND (0.0068)	ND (0.0065)	ND (0.0048)	ND (0.0061)	ND (0.0064)	ND (0.0055)	ND (0.0064)	ND (0.063) UI	ND (0.059)	ND (0.0058)	ND (0.0059)
Chlorobenzene	27	1.3	ND (0.0056)	ND (0.0061)	ND (0.0064)	ND (0.0069)	ND (0.0069)	ND (0.0073)	ND (0.006)	ND (0.006)	ND (0.0068)	ND (0.0065)	ND (0.0048)	ND (0.0061)	ND (0.0064)	ND (0.0055)	ND (0.0064)	ND (0.063)	ND (0.059)	ND (0.0058)	ND (0.0059)
Chlorobromomethane	*	*	ND (0.0056)	ND (0.0061)	ND (0.0064)	ND (0.0069)	ND (0.0069)	ND (0.0073)	ND (0.006)	ND (0.006)	ND (0.0068)	ND (0.0065)	ND (0.0048)	ND (0.0061)	ND (0.0064)	ND (0.0055)	ND (0.0064)	ND (0.063)	ND (0.059)	ND (0.0058)	ND (0.0059)
Chloroform (Trichloromethane)	10 1.2	0.65 0.47	ND (0.0056) ND (0.0056)	ND (0.0061) ND (0.0061)	ND (0.0064) ND (0.0064)	ND (0.0069) ND (0.0069)	ND (0.0069) ND (0.0069)	ND (0.0073) ND (0.0073)	ND (0.006) ND (0.006)	ND (0.006) ND (0.006)	ND (0.0068) ND (0.0068)	ND (0.0065) ND (0.0065)	ND (0.0048) ND (0.0048)	ND (0.0061) ND (0.0061)	ND (0.0064) ND (0.0064)	ND (0.0055) ND (0.0055)	ND (0.0064) ND (0.0064)	ND (0.063) ND (0.063)	ND (0.059) ND (0.059)	ND (0.0058) ND (0.0058)	ND (0.0059) ND (0.0059)
Chloromethane (Methyl Chloride)	*	*	ND (0.0056)	ND (0.0061) ND (0.0061) UJ	ND (0.0064)	ND (0.0069)	ND (0.0069)	ND (0.0073)	ND (0.006)	ND (0.006)	ND (0.0068)	ND (0.0065)	ND (0.0048)	ND (0.0061) ND (0.0061)	ND (0.0064)	ND (0.0055) ND (0.0055) UJ	ND (0.0064) ND (0.0064)	ND (0.063)	ND (0.059) ND (0.059) UI	ND (0.0058)	ND (0.0059)
cis-1,2-Dichloroethene	5.8	0.4	ND (0.0056)	ND (0.0061)	ND (0.0064)	ND (0.0069)	ND (0.0069)	ND (0.0073)	ND (0.006)	ND (0.006)	ND (0.0068)	ND (0.0065)	ND (0.0048)	ND (0.0061)	ND (0.0064)	ND (0.0055)	ND (0.0064)	0.21	0.040 J	ND (0.0058)	ND (0.0059)
cis-1,3-Dichloropropene	*	*	ND (0.0056)	ND (0.0061) UJ	ND (0.0064)	ND (0.0069)	ND (0.0069)	ND (0.0073)	ND (0.006)	ND (0.006) UJ	ND (0.0068)	ND (0.0065)	ND (0.0048) UJ	ND (0.0061)	ND (0.0064)	ND (0.0055) UJ	ND (0.0064)	ND (0.063)	ND (0.059)	ND (0.0058)	ND (0.0059)
Cymene (p-Isopropyltoluene)	*	*	ND (0.023)	ND (0.025)	ND (0.026)	ND (0.028)	ND (0.028)	ND (0.03)	ND (0.024) UJ	ND (0.024)	ND (0.027)	ND (0.026)	ND (0.019)	ND (0.025)	ND (0.026)	ND (0.022)	ND (0.026)	ND (0.26)	ND (0.24)	ND (0.023)	ND (0.024)
Dibromochloromethane Dibromomethane	*	*	ND (0.0056) ND (0.0056)	ND (0.0061) ND (0.0061)	ND (0.0064) ND (0.0064)	ND (0.0069) ND (0.0069)	ND (0.0069) ND (0.0069)	ND (0.0073) ND (0.0073)	ND (0.006) ND (0.006)	ND (0.006) ND (0.006)	ND (0.0068) ND (0.0068)	ND (0.0065) ND (0.0065)	ND (0.0048) ND (0.0048)	ND (0.0061) ND (0.0061)	ND (0.0064) ND (0.0064)	ND (0.0055) ND (0.0055)	ND (0.0064) ND (0.0064)	ND (0.063) ND (0.063)	ND (0.059) ND (0.059)	ND (0.0058) ND (0.0058)	ND (0.0059) ND (0.0059)
Dichlorodifluoromethane (CFC-12)	*	*	ND (0.0056)	ND (0.0061) UJ	ND (0.0064)	ND (0.0069)	ND (0.0069)	ND (0.0073)	ND (0.006)	ND (0.006)	ND (0.0068)	ND (0.0065)	ND (0.0048)	ND (0.0061)	ND (0.0064)	ND (0.0055) UJ	ND (0.0064)	ND (0.063)	ND (0.059)	ND (0.0058)	ND (0.0059)
Ethylbenzene	160	13	ND (0.0056)	ND (0.0061)	ND (0.0064)	ND (0.0069)	ND (0.0069)	ND (0.0073)	ND (0.006)	ND (0.006)	ND (0.0068)	ND (0.0065)	ND (0.0048)	ND (0.0061)	ND (0.0064)	ND (0.0055)	ND (0.0064)	ND (0.063)	ND (0.059)	ND (0.0058)	ND (0.0059)
Hexachlorobutadiene	44	16	ND (0.023)	ND (0.025)	ND (0.026)	ND (0.028)	ND (0.028)	ND (0.03)	ND (0.024) UJ	ND (0.024)	ND (0.027)	ND (0.026)	ND (0.019)	ND (0.025)	ND (0.026)	ND (0.022)	ND (0.026)	ND (0.26)	ND (0.24)	ND (0.023)	ND (0.024)
Isopropylbenzene m&p-Xylene	*	*	ND (0.023) ND (0.0056) UJ	ND (0.025) ND (0.0061) UJ	ND (0.026) ND (0.0064) UJ	ND (0.028) ND (0.0069) UJ	ND (0.028) ND (0.0069) UJ	ND (0.03) ND (0.0073) UJ	ND (0.024) UJ ND (0.006) UJ	ND (0.024) ND (0.006) UJ	ND (0.027) ND (0.0068) UJ	ND (0.026) ND (0.0065) UJ	ND (0.019) ND (0.0048) UJ	ND (0.025) ND (0.0061) UJ	ND (0.026) ND (0.0064) UJ	ND (0.022) ND (0.0055) UJ	ND (0.026) ND (0.0064) UJ	ND (0.26) ND (0.063)	ND (0.24) ND (0.059)	ND (0.0058) ND (0.0058)	ND (0.0059) ND (0.0059)
Methylene chloride	1.8	0.023	ND (0.012)	ND (0.013) I	0.0038 [0.004 J	ND (0.014)	ND (0.015)	ND (0.012)	ND (0.012)	ND (0.014)	ND (0.013)	ND (0.0095)	0.0046 J	0.0034 J	ND (0.011) J	0.0032 J	ND (0.26)	ND (0.24)	ND (0.012)	ND (0.012)
Naphthalene	170	0.7	ND (0.023)	ND (0.025)	ND (0.026)	ND (0.028)	ND (0.028)	ND (0.03)	ND (0.024) UJ	ND (0.024)	ND (0.027)	ND (0.026)	ND (0.019)	ND (0.025)	ND (0.026)	ND (0.022)	ND (0.026)	ND (0.26)	ND (0.24) UJ	ND (0.0058)	ND (0.0059)
n-Butylbenzene	*	*	ND (0.023)	ND (0.025)	ND (0.026)	ND (0.028)	ND (0.028)	ND (0.03)	ND (0.024) UJ	ND (0.024)	ND (0.027)	ND (0.026)	ND (0.019)	ND (0.025)	ND (0.026)	ND (0.022)	ND (0.026)	ND (0.26)	ND (0.24)	ND (0.023)	ND (0.024)
n-Propylbenzene	*	*	ND (0.023)	ND (0.025)	ND (0.026)	ND (0.028)	ND (0.028)	ND (0.03)	ND (0.024) UJ	ND (0.024)	ND (0.027)	ND (0.026)	ND (0.019)	ND (0.025)	ND (0.026)	ND (0.022)	ND (0.026)	ND (0.26)	ND (0.24)	ND (0.023)	ND (0.024)
o-Xylene Styrene	550	3.5	ND (0.0056) UJ ND (0.0056) UJ	ND (0.0061) ND (0.0061) UJ	ND (0.0064) UJ ND (0.0064) UJ	ND (0.0069) UJ ND (0.0069) UJ	ND (0.0069) UJ ND (0.0069) UJ	ND (0.0073) UJ ND (0.0073) UJ	ND (0.006) UJ ND (0.006) UJ	ND (0.006) ND (0.006) UJ	ND (0.0068) UJ ND (0.0068) UJ	ND (0.0065) UJ ND (0.0065) UJ	ND (0.0048) ND (0.0048) UJ	ND (0.0061) UJ ND (0.0061) UJ	ND (0.0064) UJ ND (0.0064) UJ	ND (0.0055) ND (0.0055) UJ	ND (0.0064) UJ ND (0.0064) UJ	ND (0.063) ND (0.063)	ND (0.059) ND (0.059) UI	ND (0.0058) ND (0.0058)	ND (0.0059) ND (0.0059)
tert-Butylbenzene	*	*	ND (0.0036) U)	ND (0.0061) (0)	ND (0.0064) (0)	ND (0.0089) (0)	ND (0.0089) U)	ND (0.0073) U)	ND (0.006) UJ	ND (0.024)	ND (0.008) U) ND (0.027)	ND (0.0063) (0)	ND (0.0048) (0) ND (0.019)	ND (0.0081) U)	ND (0.0064) (0)	ND (0.0033) U) ND (0.022)	ND (0.0064) (0)	ND (0.063)	ND (0.039) U) ND (0.24)	ND (0.0038)	ND (0.0039)
Tetrachloroethene	0.64	0.058	0.0031 J	ND (0.0061)	ND (0.0064)	ND (0.0069)	0.089 ^b	0.013	0.23 ^b	0.024	0.099 ^b	0.028	0.019	0.0038 J	0.024	0.0024 J	0.0056 J	38 ^{ab}	56 ^{ab}	0.08 ^b	0.017
Toluene	240	12	ND (0.0056)	ND (0.0061)	ND (0.0064)	ND (0.0069)	ND (0.0069)	ND (0.0073)	ND (0.006)	ND (0.006)	ND (0.0068)	ND (0.0065)	ND (0.0048)	ND (0.0061)	ND (0.0064)	ND (0.0055)	ND (0.0064)	ND (0.063)	ND (0.059)	ND (0.0058)	ND (0.0059)
trans-1,2-Dichloroethene	14	0.68	ND (0.0056)	ND (0.0061)	ND (0.0064)	ND (0.0069)	ND (0.0069)	ND (0.0073)	ND (0.006)	ND (0.006)	ND (0.0068)	ND (0.0065)	ND (0.0048)	ND (0.0061)	ND (0.0064)	ND (0.0055)	ND (0.0064)	ND (0.063)	ND (0.059)	ND (0.0058)	ND (0.0059)
trans-1,3-Dichloropropene	*	*	ND (0.0056)	ND (0.0061) UJ	ND (0.0064)	ND (0.0069)	ND (0.0069)	ND (0.0073)	ND (0.006)	ND (0.006) UJ	ND (0.0068)	ND (0.0065)	ND (0.0048) UJ	ND (0.0061)	ND (0.0064)	ND (0.0055) UJ	ND (0.0064)	ND (0.063)	ND (0.059)	ND (0.0058)	ND (0.0059)
Trichloroethene Trichlorofluoromethane (CFC-11)	0.082	0.057	ND (0.0056) ND (0.0056)	ND (0.0061) J ND (0.0061)	ND (0.0064) ND (0.0064)	ND (0.0069) ND (0.0069)	0.00064 J ND (0.0069)	ND (0.0073) ND (0.0073)	0.0017 J ND (0.006)	ND (0.006) ND (0.006)	0.0014 J ND (0.0068)	0.00073 J ND (0.0065)	ND (0.0048) ND (0.0048)	0.00097 J ND (0.0061)	0.0023 J ND (0.0064)	ND (0.0055) J ND (0.0055)	ND (0.0064) ND (0.0064)	0.54 ^{ab} ND (0.063) UJ	2.8 ^{ab} ND (0.059)	ND (0.0058) ND (0.0058)	ND (0.0059) ND (0.0059)
Vinyl chloride	0.013	0.013	ND (0.0056)	ND (0.0061) ND (0.0061)	ND (0.0064)	ND (0.0069)	ND (0.0069)	ND (0.0073)	ND (0.006)	ND (0.006)	ND (0.0068)	ND (0.0065)	ND (0.0048)	ND (0.0061) ND (0.0061)	ND (0.0064)	ND (0.0055)	ND (0.0064) ND (0.0064)	ND (0.063)	ND (0.059)	ND (0.0058)	ND (0.0059)
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SUMMARY OF INTERMEDIATE SUBSURFACE SOIL VOC ANALYTICAL DATA - SWMUs 1 AND 2 RADIO MATERIALS CORPORATION ATTICA, INDIANA

Sample Location:			B-184	B-185	B-185	B-186	B-187	B-188	B-189	B-190	B-190	B-191	B-192	B-193	B-194	B-196	B-199	B-202	B-203	B-209	BW-09
Sample ID:	IDEM	IDEM	S-082704-MG-070	S-082704-MG-072	S-082704-MG-073	S-082604-MG-061	S-082604-MG-059	S-082604-MG-052	S-082604-MG-054	S-082604-MG-056	S-082604-MG-057	S-082604-MG-050	S-082604-MG-048	S-082604-MG-046	S-082404-MG-029	S-082404-MG-024	S-082404-MG-020	S-082304-MG-011	S-082304-MG-009	S-082604-MG-044	RC-091103-JM-001
Sample Date: Sample Depth:	RISC IDCL	RISC RDCL	8/27/2004 24-26 ft BGS	8/27/2004 24-26 ft BGS	8/27/2004 24-26 ft BGS	8/26/2004 14-16 ft BGS	8/26/2004 12-14 ft BGS	8/26/2004 14-16 ft BGS	8/26/2004 12-14 ft BGS	8/26/2004 14-16 ft BGS	8/26/2004 14-16 ft BGS	8/26/2004 10-12 ft BGS	8/26/2004 12-13 ft BGS	8/26/2004 12-13 ft BGS	8/24/2004 10-12 ft BGS	8/24/2004 10-12 ft BGS	8/24/2004 10-12 ft BGS	8/23/2004 10-12 ft BGS	8/23/2004 10-11 ft BGS	8/26/2004 10-12 ft BGS	9/11/2003 33-34 ft BGS
Sumple Deptin	а	b	21 20)1 200	21 20)1 200	Duplicate	11 10)1 200	12 11)1 200	11 10)1 200	12 11). 200	11 10)1 200	Duplicate	10 12)1 200	12 15)1 200	12 10)1 200	10 12). 200	10 12)1 200	10 12)1 200	10 12)1 200	10 11)1 200	10 12)1 200	55 51)1 205
Volatile Organic Compounds (mg/kg)																					
1,1,1,2-Tetrachloroethane	0.85	0.053	ND (0.0055)	ND (0.006)	ND (0.006)	ND (0.0067)	ND (0.0061)	ND (0.0068)	ND (0.0068)	ND (0.0066)	ND (0.0064)	ND (0.007)	ND (0.0058)	ND (0.0069)	ND (0.0068)	ND (0.0058)	ND (0.0063)	ND (0.007)	ND (0.007)	ND (0.0075)	ND (0.0053)
1,1,1-Trichloroethane	280	1.9	ND (0.0055)	ND (0.006)	ND (0.006)	ND (0.0067)	ND (0.0061)	ND (0.0068)	ND (0.0068)	ND (0.0066)	ND (0.0064)	ND (0.007)	ND (0.0058)	ND (0.0069)	ND (0.0068)	ND (0.0058)	ND (0.0063)	ND (0.007)	ND (0.007)	ND (0.0075)	ND (0.0053)
1,1,2,2-Tetrachloroethane	0.11	0.007	ND (0.0055)	ND (0.006)	ND (0.006)	ND (0.0067)	ND (0.0061)	ND (0.0068)	ND (0.0068)	ND (0.0066)	ND (0.0064)	ND (0.007)	ND (0.0058)	ND (0.0069)	ND (0.0068)	ND (0.0058)	ND (0.0063)	ND (0.007)	ND (0.007)	ND (0.0075)	ND (0.0053)
1,1,2-Trichloroethane 1,1-Dichloroethane	0.3 58	0.03 5.6	ND (0.0055) ND (0.0055)	ND (0.006) ND (0.006)	ND (0.006) ND (0.006)	ND (0.0067) ND (0.0067)	ND (0.0061) ND (0.0061)	ND (0.0068) ND (0.0068)	ND (0.0068) ND (0.0068)	ND (0.0066) ND (0.0066)	ND (0.0064) ND (0.0064)	ND (0.007) ND (0.007)	ND (0.0058) ND (0.0058)	ND (0.0069) ND (0.0069)	ND (0.0068) ND (0.0068)	ND (0.0058) ND (0.0058)	ND (0.0063) ND (0.0063)	ND (0.007) ND (0.007)	ND (0.007) ND (0.007)	ND (0.0075) ND (0.0075)	ND (0.0053) ND (0.0053)
1,1-Dichloroethene	42	0.058	ND (0.0055)	ND (0.006)	ND (0.006)	ND (0.0067)	ND (0.0061)	ND (0.0068)	ND (0.0068)	ND (0.0066)	ND (0.0064)	ND (0.007)	ND (0.0058)	ND (0.0069)	ND (0.0068)	ND (0.0058)	ND (0.0063)	ND (0.007)	ND (0.007)	ND (0.0075)	ND (0.0053)
1,1-Dichloropropene	*	*	ND (0.0055)	ND (0.006)	ND (0.006)	ND (0.0067)	ND (0.0061)	ND (0.0068)	ND (0.0068)	ND (0.0066)	ND (0.0064)	ND (0.007)	ND (0.0058)	ND (0.0069)	ND (0.0068)	ND (0.0058)	ND (0.0063)	ND (0.007)	ND (0.007)	ND (0.0075)	ND (0.0053)
1,2,3-Trichlorobenzene	*	*	ND (0.0055)	ND (0.006)	ND (0.006)	ND (0.0067)	ND (0.0061)	ND (0.0068)	ND (0.0068)	ND (0.0066)	ND (0.0064)	ND (0.007)	ND (0.0058)	ND (0.0069)	ND (0.0068)	ND (0.0058)	ND (0.0063)	ND (0.007)	ND (0.007)	ND (0.0075)	ND (0.021)
1,2,3-Trichloropropane 1,2,4-Trichlorobenzene	77	5.3	ND (0.0055) ND (0.022)	ND (0.006) ND (0.024)	ND (0.006) ND (0.024)	ND (0.0067) ND (0.027)	ND (0.0061) ND (0.025)	ND (0.0068) ND (0.028)	ND (0.0068) ND (0.027)	ND (0.0066) ND (0.027)	ND (0.0064) ND (0.026)	ND (0.007) ND (0.028)	ND (0.0058) ND (0.023)	ND (0.0069) ND (0.028)	ND (0.0068) ND (0.028)	ND (0.0058) ND (0.023)	ND (0.0063) ND (0.025)	ND (0.007) ND (0.028)	ND (0.007) ND (0.028)	ND (0.0075) ND (0.03)	ND (0.0053) ND (0.021)
1,2,4-Trichiorobenzene 1,2,4-Trimethylbenzene	170	2.5	ND (0.022)	ND (0.024)	ND (0.024)	ND (0.027) ND (0.027)	ND (0.025)	ND (0.028)	ND (0.027)	ND (0.027) ND (0.027)	ND (0.026) ND (0.026)	ND (0.028)	ND (0.023)	ND (0.028)	ND (0.028)	ND (0.023)	ND (0.025)	ND (0.028)	ND (0.028)	ND (0.03)	ND (0.021) ND (0.021)
1,2-Dibromo-3-chloropropane (DBCP)	*	*	ND (0.022)	ND (0.024)	ND (0.024)	ND (0.027)	ND (0.025)	ND (0.028)	ND (0.027)	ND (0.027)	ND (0.026)	ND (0.028)	ND (0.023)	ND (0.028)	ND (0.028)	ND (0.023)	ND (0.025)	ND (0.028)	ND (0.028)	ND (0.03)	ND (0.021) UJ
1,2-Dibromoethane (Ethylene Dibromide)	*	*	ND (0.0055)	ND (0.006)	ND (0.006)	ND (0.0067)	ND (0.0061)	ND (0.0068)	ND (0.0068)	ND (0.0066)	ND (0.0064)	ND (0.007)	ND (0.0058)	ND (0.0069)	ND (0.0068)	ND (0.0058)	ND (0.0063)	ND (0.007)	ND (0.007)	ND (0.0075)	ND (0.021)
1,2-Dichlorobenzene	220	17	ND (0.0055)	ND (0.006)	ND (0.006)	ND (0.0067)	ND (0.0061)	ND (0.0068)	ND (0.0068)	ND (0.0066)	ND (0.0064)	ND (0.007)	ND (0.0058)	ND (0.0069)	ND (0.0068)	ND (0.0058)	ND (0.0063)	ND (0.007)	ND (0.007)	ND (0.0075)	ND (0.0053)
1,2-Dichloroethane 1,2-Dichloropropane	0.15 0.25	0.024	ND (0.0055) ND (0.0055)	ND (0.006) ND (0.006)	ND (0.006) ND (0.006)	ND (0.0067) ND (0.0067)	ND (0.0061) ND (0.0061)	ND (0.0068) ND (0.0068)	ND (0.0068) ND (0.0068)	ND (0.0066) ND (0.0066)	ND (0.0064) ND (0.0064)	ND (0.007) ND (0.007)	ND (0.0058) ND (0.0058)	ND (0.0069) ND (0.0069)	ND (0.0068) ND (0.0068)	ND (0.0058) ND (0.0058)	ND (0.0063) ND (0.0063)	ND (0.007) ND (0.007)	ND (0.007) ND (0.007)	ND (0.0075) ND (0.0075)	ND (0.0053) ND (0.0053)
1,3,5-Trimethylbenzene	68	0.61	ND (0.0055)	ND (0.006)	ND (0.006)	ND (0.0067)	ND (0.0061)	ND (0.0068)	ND (0.0068)	ND (0.0066)	ND (0.0064)	ND (0.007)	ND (0.0058)	ND (0.0069)	ND (0.0068)	ND (0.0058)	ND (0.0063)	ND (0.007)	ND (0.007)	ND (0.0075)	ND (0.0033)
1,3-Dichlorobenzene	2.7	0.2	ND (0.0055)	ND (0.006)	ND (0.006)	ND (0.0067)	ND (0.0061)	ND (0.0068)	ND (0.0068)	ND (0.0066)	ND (0.0064)	ND (0.007)	ND (0.0058)	ND (0.0069)	ND (0.0068)	ND (0.0058)	ND (0.0063)	ND (0.007)	ND (0.007)	ND (0.0075)	ND (0.0053)
1,3-Dichloropropane	*	*	ND (0.0055)	ND (0.006)	ND (0.006)	ND (0.0067)	ND (0.0061)	ND (0.0068)	ND (0.0068)	ND (0.0066)	ND (0.0064)	ND (0.007)	ND (0.0058)	ND (0.0069)	ND (0.0068)	ND (0.0058)	ND (0.0063)	ND (0.007)	ND (0.007)	ND (0.0075)	ND (0.0053)
1,4-Dichlorobenzene 2,2-Dichloropropane	3.4	2.2	ND (0.0055) ND (0.0055)	ND (0.006) ND (0.006)	ND (0.006) ND (0.006)	ND (0.0067) ND (0.0067)	ND (0.0061) ND (0.0061)	ND (0.0068) ND (0.0068)	ND (0.0068) ND (0.0068)	ND (0.0066) ND (0.0066)	ND (0.0064) ND (0.0064)	ND (0.007) ND (0.007)	ND (0.0058) ND (0.0058)	ND (0.0069) ND (0.0069)	ND (0.0068) ND (0.0068)	ND (0.0058) ND (0.0058)	ND (0.0063) ND (0.0063)	ND (0.007) ND (0.007)	ND (0.007) ND (0.007)	ND (0.0075) ND (0.0075)	ND (0.0053) ND (0.0053)
2-Butanone (Methyl Ethyl Ketone)	250	35	ND (0.022) UJ	ND (0.024) UI	ND (0.024) UI	ND (0.027) UI	ND (0.025) UJ	ND (0.028) UI	ND (0.027) UJ	ND (0.000)	ND (0.026) UI	ND (0.028) UI	ND (0.023) UI	ND (0.028) UJ	ND (0.028) UJ	ND (0.023) UI	ND (0.025) UI	ND (0.028) UI	ND (0.028) UI	ND (0.03) UI	ND (0.021) UJ
2-Chlorotoluene	*	*	ND (0.022)	ND (0.024)	ND (0.024)	ND (0.027)	ND (0.025)	ND (0.028)	ND (0.027)	ND (0.027)	ND (0.026)	ND (0.028)	ND (0.023)	ND (0.028)	ND (0.028)	ND (0.023)	ND (0.025)	ND (0.028)	ND (0.028)	ND (0.03)	ND (0.021)
2-Hexanone	*	*	ND (0.022) UJ	ND (0.024) UJ	ND (0.024) UJ	ND (0.027) UJ	ND (0.025) UJ	ND (0.028)	ND (0.027)	ND (0.027)	ND (0.026)	ND (0.028)	ND (0.023)	ND (0.028)	ND (0.028)	ND (0.023)	ND (0.025)	ND (0.028)	ND (0.028)	ND (0.03)	ND (0.021) UJ
2-Phenylbutane (sec-Butylbenzene) 4-Chlorotoluene	*	*	ND (0.022)	ND (0.024)	ND (0.024)	ND (0.027)	ND (0.025)	ND (0.028)	ND (0.027) ND (0.027)	ND (0.027)	ND (0.026)	ND (0.028) ND (0.028)	ND (0.023)	ND (0.028)	ND (0.028) ND (0.028)	ND (0.023)	ND (0.025)	ND (0.028)	ND (0.028)	ND (0.03)	ND (0.021)
4-Methyl-2-Pentanone	-	-	ND (0.022)	ND (0.024)	ND (0.024)	ND (0.027)	ND (0.025)	ND (0.028)	ND (0.027)	ND (0.027)	ND (0.026)	ND (0.028)	ND (0.023)	ND (0.028)	ND (0.028)	ND (0.023)	ND (0.025)	ND (0.028)	ND (0.028)	ND (0.03)	ND (0.021)
(Methyl Isobutyl Ketone)	75	20	ND (0.022)	ND (0.024)	ND (0.024)	ND (0.027)	ND (0.025)	ND (0.028)	ND (0.027)	ND (0.027)	ND (0.026)	ND (0.028)	ND (0.023)	ND (0.028)	ND (0.028)	ND (0.023)	ND (0.025)	ND (0.028)	ND (0.028)	ND (0.03)	ND (0.021)
Acetone	370	3.8	ND (0.022) UJ	ND (0.024) UJ	ND (0.024) UJ	ND (0.027) UJ	ND (0.025) UJ	ND (0.028)	ND (0.027)	ND (0.027)	ND (0.026)	ND (0.028)	ND (0.023)	ND (0.028)	ND (0.028) UJ	ND (0.023) UJ	ND (0.025) UJ	ND (0.028) UJ	ND (0.028) UJ	ND (0.03)	0.21
Benzene	0.35	0.034	ND (0.0055)	ND (0.006)	ND (0.006)	ND (0.0067)	ND (0.0061)	ND (0.0068)	ND (0.0068)	ND (0.0066)	ND (0.0064)	ND (0.007)	ND (0.0058)	ND (0.0069)	ND (0.0068)	ND (0.0058)	ND (0.0063)	ND (0.007)	ND (0.007)	ND (0.0075)	ND (0.0053)
Bromobenzene Bromodichloromethane	0.51	0.51	ND (0.0055) ND (0.0055)	ND (0.006) ND (0.006)	ND (0.006) ND (0.006)	ND (0.0067) ND (0.0067)	ND (0.0061) ND (0.0061)	ND (0.0068) ND (0.0068)	ND (0.0068) ND (0.0068)	ND (0.0066) ND (0.0066)	ND (0.0064) ND (0.0064)	ND (0.007) ND (0.007)	ND (0.0058) ND (0.0058)	ND (0.0069) ND (0.0069)	ND (0.0068) ND (0.0068)	ND (0.0058) ND (0.0058)	ND (0.0063) ND (0.0063)	ND (0.007) ND (0.007)	ND (0.007) ND (0.007)	ND (0.0075) ND (0.0075)	ND (0.0053) ND (0.0053)
Bromoform	2.7	0.51	ND (0.0055)	ND (0.006)	ND (0.006)	ND (0.0067)	ND (0.0061)	ND (0.0068)	ND (0.0068)	ND (0.0066)	ND (0.0064)	ND (0.007)	ND (0.0058)	ND (0.0069)	ND (0.0068)	ND (0.0058)	ND (0.0063)	ND (0.007)	ND (0.007)	ND (0.0075)	ND (0.0053) UI
Bromomethane (Methyl Bromide)	0.7	0.052	ND (0.0055)	ND (0.006)	ND (0.006)	ND (0.0067)	ND (0.0061)	ND (0.0068)	ND (0.0068)	ND (0.0066)	ND (0.0064)	ND (0.007)	ND (0.0058)	ND (0.0069)	ND (0.0068)	ND (0.0058)	ND (0.0063)	ND (0.007)	ND (0.007)	ND (0.0075)	ND (0.0053)
Carbon disulfide	82	10	ND (0.0055)	ND (0.006)	ND (0.006)	ND (0.0067)	ND (0.0061)	ND (0.0068)	ND (0.0068)	ND (0.0066)	ND (0.0064)	ND (0.007)	ND (0.0058)	ND (0.0069)	ND (0.0068)	ND (0.0058)	ND (0.0063)	ND (0.007)	ND (0.007)	ND (0.0075)	ND (0.0053)
Carbon tetrachloride Chlorobenzene	0.29 27	0.066 1.3	ND (0.0055) ND (0.0055)	ND (0.006) ND (0.006)	ND (0.006) ND (0.006)	ND (0.0067) ND (0.0067)	ND (0.0061) ND (0.0061)	ND (0.0068) ND (0.0068)	ND (0.0068) ND (0.0068)	ND (0.0066) ND (0.0066)	ND (0.0064) ND (0.0064)	ND (0.007) ND (0.007)	ND (0.0058) ND (0.0058)	ND (0.0069) ND (0.0069)	ND (0.0068) ND (0.0068)	ND (0.0058) ND (0.0058)	ND (0.0063) ND (0.0063)	ND (0.007) ND (0.007)	ND (0.007) ND (0.007)	ND (0.0075) ND (0.0075)	ND (0.0053) ND (0.0053)
Chlorobromomethane	*	*	ND (0.0055)	ND (0.006)	ND (0.006)	ND (0.0067)	ND (0.0061) ND (0.0061)	ND (0.0068)	ND (0.0068)	ND (0.0066)	ND (0.0064)	ND (0.007) ND (0.007)	ND (0.0058)	ND (0.0069)	ND (0.0068)	ND (0.0058)	ND (0.0063)	ND (0.007) ND (0.007)	ND (0.007) ND (0.007)	ND (0.0075)	ND (0.0053) ND (0.0053)
Chloroethane	10	0.65	ND (0.0055)	ND (0.006)	ND (0.006)	ND (0.0067)	ND (0.0061)	ND (0.0068)	ND (0.0068)	ND (0.0066)	ND (0.0064)	ND (0.007)	ND (0.0058)	ND (0.0069)	ND (0.0068)	ND (0.0058)	ND (0.0063)	ND (0.007)	ND (0.007)	ND (0.0075)	ND (0.0053)
Chloroform (Trichloromethane)	1.2	0.47	ND (0.0055)	ND (0.006)	ND (0.006)	ND (0.0067)	ND (0.0061)	ND (0.0068)	ND (0.0068)	ND (0.0066)	ND (0.0064)	ND (0.007)	ND (0.0058)	ND (0.0069)	ND (0.0068)	ND (0.0058)	ND (0.0063)	ND (0.007)	ND (0.007)	ND (0.0075)	ND (0.0053)
Chloromethane (Methyl Chloride) cis-1,2-Dichloroethene	5.8	0.4	ND (0.0055) ND (0.0055)	ND (0.006) ND (0.006)	ND (0.006) ND (0.006)	ND (0.0067) ND (0.0067)	ND (0.0061) ND (0.0061)	ND (0.0068) ND (0.0068)	ND (0.0068) ND (0.0068)	ND (0.0066) ND (0.0066)	ND (0.0064) ND (0.0064)	ND (0.007) ND (0.007)	ND (0.0058) ND (0.0058)	ND (0.0069) ND (0.0069)	ND (0.0068) ND (0.0068)	ND (0.0058) ND (0.0058)	ND (0.0063) 0.031	ND (0.007) 0.0015 I	ND (0.007) ND (0.007)	ND (0.0075) ND (0.0075)	ND (0.0053) 0.0014 I
cis-1,3-Dichloropropene	3.8	*	ND (0.0055)	ND (0.006)	ND (0.006) ND (0.006)	ND (0.0067) ND (0.0067)	ND (0.0061) ND (0.0061)	ND (0.0068) ND (0.0068)	ND (0.0068) ND (0.0068)	ND (0.0066) ND (0.0066)	ND (0.0064) ND (0.0064)	ND (0.007) ND (0.007)	ND (0.0058) ND (0.0058)	ND (0.0069) ND (0.0069)	ND (0.0068) ND (0.0068)	ND (0.0058) ND (0.0058)	ND (0.0063)	0.0015 J ND (0.007)	ND (0.007) ND (0.007)	ND (0.0075)	ND (0.0053)
Cymene (p-Isopropyltoluene)	*	*	ND (0.0033)	ND (0.024)	ND (0.024)	ND (0.0007)	ND (0.0051)	ND (0.000)	ND (0.0003)	ND (0.000)	ND (0.004)	ND (0.028)	ND (0.0036)	ND (0.008)	ND (0.000)	ND (0.0038)	ND (0.005)	ND (0.028)	ND (0.028)	ND (0.0073)	ND (0.0033) ND (0.021)
Dibromochloromethane	*	*	ND (0.0055)	ND (0.006)	ND (0.006)	ND (0.0067)	ND (0.0061)	ND (0.0068)	ND (0.0068)	ND (0.0066)	ND (0.0064)	ND (0.007)	ND (0.0058)	ND (0.0069)	ND (0.0068)	ND (0.0058)	ND (0.0063)	ND (0.007)	ND (0.007)	ND (0.0075)	ND (0.0053)
Dibromomethane	*	*	ND (0.0055)	ND (0.006)	ND (0.006)	ND (0.0067)	ND (0.0061)	ND (0.0068)	ND (0.0068)	ND (0.0066)	ND (0.0064)	ND (0.007)	ND (0.0058)	ND (0.0069)	ND (0.0068)	ND (0.0058)	ND (0.0063)	ND (0.007)	ND (0.007)	ND (0.0075)	ND (0.0053)
Dichlorodifluoromethane (CFC-12) Ethylbenzene	160	13	ND (0.0055) ND (0.0055)	ND (0.006) ND (0.006)	ND (0.006) ND (0.006)	ND (0.0067) ND (0.0067)	ND (0.0061) ND (0.0061)	ND (0.0068) ND (0.0068)	ND (0.0068) ND (0.0068)	ND (0.0066) ND (0.0066)	ND (0.0064) ND (0.0064)	ND (0.007) ND (0.007)	ND (0.0058) ND (0.0058)	ND (0.0069) ND (0.0069)	ND (0.0068) ND (0.0068)	ND (0.0058) ND (0.0058)	ND (0.0063) ND (0.0063)	ND (0.007) UJ ND (0.007)	ND (0.007) UJ ND (0.007)	ND (0.0075) ND (0.0075)	ND (0.0053) ND (0.0053)
Hexachlorobutadiene	44	16	ND (0.022)	ND (0.024)	ND (0.024)	ND (0.027)	ND (0.005)	ND (0.028)	ND (0.000)	ND (0.027)	ND (0.026)	ND (0.028)	ND (0.023)	ND (0.028)	ND (0.000)	ND (0.023)	ND (0.005)	ND (0.028)	ND (0.028)	ND (0.03)	ND (0.021)
Isopropylbenzene	*	*	ND (0.0055)	ND (0.006)	ND (0.006)	ND (0.0067)	ND (0.0061)	ND (0.0068)	ND (0.0068)	ND (0.0066)	ND (0.0064)	ND (0.007)	ND (0.0058)	ND (0.0069)	ND (0.0068)	ND (0.0058)	ND (0.0063)	ND (0.007)	ND (0.007)	ND (0.0075)	ND (0.021)
m&p-Xylene	*	*	ND (0.0055)	ND (0.006)	ND (0.006)	ND (0.0067)	ND (0.0061)	ND (0.0068)	ND (0.0068)	ND (0.0066)	ND (0.0064)	ND (0.007)	ND (0.0058)	ND (0.0069)	ND (0.0068)	ND (0.0058)	ND (0.0063)	ND (0.007)	ND (0.007)	ND (0.0075)	ND (0.0053)
Methylene chloride	1.8	0.023	ND (0.011)	ND (0.012)	0.037 ^b	ND (0.014)	ND (0.013)	ND (0.014)	ND (0.014)	ND (0.014)	ND (0.013)	ND (0.014)	ND (0.012)	ND (0.014)	0.0026 J	0.0026 J	0.0027 J	ND (0.014)	ND (0.014)	ND (0.015)	ND (0.011)
Naphthalene n-Butylbenzene	170	0.7	ND (0.0055) ND (0.022)	ND (0.006) ND (0.024)	ND (0.006) ND (0.024)	ND (0.0067) ND (0.027)	ND (0.0061) ND (0.025)	ND (0.0068) ND (0.028)	ND (0.0068) ND (0.027)	ND (0.0066) ND (0.027)	ND (0.0064) ND (0.026)	ND (0.007) ND (0.028)	ND (0.0058) ND (0.023)	ND (0.0069) ND (0.028)	ND (0.0068) ND (0.028)	ND (0.0058) ND (0.023)	ND (0.0063) ND (0.025)	ND (0.007) ND (0.028)	ND (0.007) ND (0.028)	ND (0.0075) ND (0.03)	ND (0.021) ND (0.021) UJ
n-Propylbenzene	*	*	ND (0.022)	ND (0.024)	ND (0.024)	ND (0.027)	ND (0.025)	ND (0.028)	ND (0.027)	ND (0.027)	ND (0.026)	ND (0.028)	ND (0.023)	ND (0.028)	ND (0.028)	ND (0.023)	ND (0.025)	ND (0.028)	ND (0.028)	ND (0.03)	ND (0.021)
o-Xylene	*	*	ND (0.0055)	ND (0.006)	ND (0.006)	ND (0.0067)	ND (0.0061)	ND (0.0068)	ND (0.0068)	ND (0.0066)	ND (0.0064)	ND (0.007)	ND (0.0058)	ND (0.0069)	ND (0.0068)	ND (0.0058)	ND (0.0063)	ND (0.007)	ND (0.007)	ND (0.0075)	ND (0.0053)
Styrene	550	3.5	ND (0.0055)	ND (0.006)	ND (0.006)	ND (0.0067)	ND (0.0061)	ND (0.0068)	ND (0.0068)	ND (0.0066)	ND (0.0064)	ND (0.007)	ND (0.0058)	ND (0.0069)	ND (0.0068)	ND (0.0058)	ND (0.0063)	ND (0.007)	ND (0.007)	ND (0.0075)	ND (0.0053)
tert-Butylbenzene	*	*	ND (0.022)	ND (0.024)	ND (0.024)	ND (0.027)	ND (0.025)	ND (0.028)	ND (0.027)	ND (0.027)	ND (0.026)	ND (0.028) 0.064 ^b	ND (0.023) 0.094 ^b	ND (0.028)	ND (0.028) 0.097 ^b	ND (0.023) 0.079 ^b	ND (0.025) 0.26 ^b	ND (0.028) 0.30 ^b	ND (0.028)	ND (0.03)	ND (0.021) 0.089 ^b
Tetrachloroethene Toluene	0.64 240	0.058 12	0.0063 ND (0.0055)	ND (0.006) ND (0.006)	ND (0.006) ND (0.006)	0.016 ND (0.0067)	0.0023 J ND (0.0061)	0.022 ND (0.0068)	0.0096 ND (0.0068)	0.084 ^b ND (0.0066)	0.048 ND (0.0064)	0.064° ND (0.007)	0.094° ND (0.0058)	0.24 ^b ND (0.0069)	0.097° ND (0.0068)	0.079° ND (0.0058)	0.26° ND (0.0063)	0.30° ND (0.007)	0.011 ND (0.007)	ND (0.0075) ND (0.0075)	0.089° ND (0.0053)
trans-1,2-Dichloroethene	14	0.68	ND (0.0055)	ND (0.006)	ND (0.006)	ND (0.0067)	ND (0.0061) ND (0.0061)	ND (0.0068)	ND (0.0068)	ND (0.0066)	ND (0.0064)	ND (0.007) ND (0.007)	ND (0.0058)	ND (0.0069)	ND (0.0068)	ND (0.0058)	ND (0.0063)	ND (0.007) ND (0.007)	ND (0.007) ND (0.007)	ND (0.0075)	ND (0.0053)
trans-1,3-Dichloropropene	*	*	ND (0.0055)	ND (0.006)	ND (0.006)	ND (0.0067)	ND (0.0061)	ND (0.0068)	ND (0.0068)	ND (0.0066)	ND (0.0064)	ND (0.007)	ND (0.0058)	ND (0.0069)	ND (0.0068)	ND (0.0058)	ND (0.0063)	ND (0.007)	ND (0.007)	ND (0.0075)	ND (0.0053) UJ
Trichloroethene	0.082	0.057	ND (0.0055)	ND (0.006)	ND (0.006)	ND (0.0067)	ND (0.0061)	0.00054 J	ND (0.0068)	0.0015 J	0.00092 J	0.0039 J	0.006	0.0048 J	0.0073	0.011	0.2ab	0.084 ab	0.00089 J	ND (0.0075)	0.024
Trichlorofluoromethane (CFC-11)	*	*	ND (0.0055)	ND (0.006)	ND (0.006)	ND (0.0067)	ND (0.0061)	ND (0.0068)	ND (0.0068)	ND (0.0066)	ND (0.0064)	ND (0.007)	ND (0.0058)	ND (0.0069)	ND (0.0068) UJ	ND (0.0058) UJ	ND (0.0063) UJ	ND (0.007)	ND (0.007)	ND (0.0075)	ND (0.0053)
Vinyl chloride	0.013	0.013	ND (0.0055)	ND (0.006)	ND (0.006)	ND (0.0067)	ND (0.0061)	ND (0.0068)	ND (0.0068)	ND (0.0066)	ND (0.0064)	ND (0.007)	ND (0.0058)	ND (0.0069)	ND (0.0068)	ND (0.0058)	ND (0.0063)	ND (0.007)	ND (0.007)	ND (0.0075)	ND (0.0053)

Notes:

IDEM - Indiana Department of Environmental Management

RISC - Risk Integrated System of Closure IDCL - Industrial Default Closure Level

RDCL - Residential Default Closure Level

* - Criteria not established for this analyte.

-- - Not Analyzed

BGS - below ground surface

mg/kg - milligrams per kilogram
ND(1.1) - Analyte not detected at quantitation limit in parenthesis.

J - The associated value is an estimated quantity.

UJ - The material was analyzed for, but was not detected. The associated value is an estimate and may be inaccurate or imprecise.

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Sample Location: Sample ID:	IDEM	IDEM		B-101 S-082203-MG-107	B-102 S-082203-MG-109	B-103 S-082603-MG-114	B-104 S-082703-MG-126	B-104 S-082703-MG-127	B-105 S-082703-MG-129	B-106 S-082703-MG-131	B-107 S-082703-MG-133	B-108 S-082703-MG-135	B-109 S-082803-MG-138	B-110 S-082803-MG-140	B-111 S-082603-MG-111	B-112 S-082603-MG-116	B-113 S-090503-MG-190	B-115 S-090903-MG-203	B-116 S-090903-MG-205
Sample Date:	RISC	RISC	Background	8/22/2003	8/22/2003	8/26/2003	8/27/2003	8/27/2003	8/27/2003	8/27/2003	8/27/2003	8/27/2003	8/28/2003	8/28/2003	8/26/2003	8/26/2003	9/5/2003	9/9/2003	9/9/2003
Sample Depth:	IDCL	RDCL	Subsurface	12-13.5 ft BGS	10-12.5 ft BGS	12-13 ft BGS	10-12 ft BGS	10-12 ft BGS	12-13 ft BGS	10-12 ft BGS	12-13.5 ft BGS	12-14 ft BGS	12-14 ft BGS	13-15 ft BGS	12-14 ft BGS	10-12.5 ft BGS	10-12 ft BGS	12-14 ft BGS	10-12 ft BGS
	а	b	с					Duplicate											
Metals (mg/kg)																			
Aluminum	*	*	27562	2820	2500	2780	1820	3720	1460	3130	1350	3350	2070	2290	3410	3760	4040	5580	4670
Antimony	37	5.4	0.252	0.07 J	0.08 J	0.1 J	ND (0.06) UJ	ND (0.05) UJ	0.08 J	0.06 J	0.07 J	ND (0.06) UJ	0.07 J	0.07 J	ND (0.05) UJ				
Arsenic	20	3.9	10.6	10.3 ^b	13.4 ^{bc}	7.2 ^b	1.9	2.5	1.8	3.2	2.8	4.8 ^b	6.2 ^b	6 ^b	3.4	8.8 ^b	4.2 ^b	4.8 ^b	1.2
Barium	5900	1600	181	21.3	16.8	16.1	12.9	17.8	9.85	13.7	11.4	12.5	14.8	18.5	16.6	17.9	15.1	27.2	58.9
Beryllium	2300	63	0.86	0.14	0.12	0.1	0.05	0.09	0.1	0.1	0.25	0.13	0.12	0.13	0.11	0.15	0.14	0.41	0.05
Cadmium	77	7.5	0.341	0.15	0.19	0.13	ND (0.06)	ND (0.06)	ND (0.06)	ND (0.06)	0.08	0.08	0.11	0.14	0.17	0.11	0.13	0.19	ND (0.05)
Calcium	*	*	147894	109000	102000	64900	8030	23900	155	16100	20600	84200	149000°	167000°	117000	29000	68700	64600	51000
Chromium Total	120	38	34.6	8.2	6.3	5.1	7.3	13.1	5.9	12	5	7.6	5.1	5.7	6.9	6.7	13.7	9.5	2.9
Cobalt	*	*	16.6	3.9	3.3	4.2	3.9	5.2	2.8	4	ND (2.2)	3.3	2.8	2.7	4.2	3.7	10.3	7.5	3.8
Copper	2700	920	24.0	12.4	12.2	9.8	2.5	4	2.7	5.1	7.9	10	7	10.3	4.9	6.1	22	13.2	6.5
Iron	*	*	40017	13700	15700	12000	10800	16000	6220	8110	6760	10600	9070	8040	11100	11200	13800	13100	10500
Lead	230	81	40.8	12	28.1	7.23	1.18 J	2.62 J	1.82	2.4	3.71	5.22	7.85	8.47	6.53	4.58	9.71	9.29	2.13
Magnesium	*	*	48865	50200°	26300	27500	3210	7400	334	4710	7500	27400	34100	63600°	28300	13500	20100	24800	9030
Manganese	*	*	1360	447	293	424	86.1	221	16	89.2	117	289	308	218	413	258	332	394	230
Mercury	32	2.1	0.101	ND (0.02)	ND (0.01)	ND (0.02)	ND (0.02)	0.02	ND (0.02)										
Nickel	2700	950	44.4	30.4	30	23.7	11.3	11.7	7.9	8.6	11.5	8.7	19.8	21.3	28.1	21.2	22.4	21.1	10.6
Potassium		· ·	2479	662	589	637	ND (450)	659	ND (473)	1030	ND (445)	633	443	550	637	641	ND (427)	938 NFD (1.1)	631
Selenium	53	5.2	-	ND (1.1)	ND (1.1)	ND (1.1)	ND (1.1)	ND (1.2)	ND (1.2)	ND (1.2)	ND (1.1)	ND (1.1)	ND (1)	ND (1.1)					
Silver	87	31	0.132	0.15 ^c	ND (0.02)	0.08	ND (0.02)												
Sodium	*	*	177	157	93.8	70.8	ND (51.4)	ND (87.8)	ND (42.6)	ND (52.6)	ND (84.5)	ND (143)	ND (103)	ND (131)	94.5	53.2	93	75	107
Thallium	10	2.8	0.41	0.14	0.14	0.15	0.04 J	0.07 J	ND (0.02)	0.13	0.09	0.08	0.14	0.13	0.13	0.13	0.13	0.39	0.11
Vanadium	*	*	36.3	16.9	9.3	7.01	3.9 J	6.8 J	3.5	5.5	4.2	8.8	8.8	7.9	6.36	9.8	19.6	16.9	16.2
Zinc	10000	10000	120	69.1	50.1	60.3	18.4	38.5	11.2	25.4	20.3	35.1	32.4	30.4	55.3	31.8	50.5	52.4	45.7

TABLE 4.11 Page 2 of 6

Sample Location: Sample ID:	IDEM	IDEM		B-119 S-090903-MG-212	B-120 S-082803-MG-142	B-121 S-082603-MG-118	B-123 S-090503-MG-192	B-126 S-091703-MG-307	B-127 S-091603-MG-293	B-128 S-091603-MG-289	B-129 S-091003-MG-214	B-130 S-082803-MG-144	B-131 S-082603-MG-120	B-133 S-090503-MG-195	B-134 S-090503-MG-197	B-135 S-091703-MG-303	B-136 S-091703-MG-300	B-137 S-091703-MG-297	B-138 S-091603-MG-286
Sample Date: Sample Depth:	RISC IDCL	RISC RDCL	Background Subsurface	9/9/2003 10-12 ft BGS	8/28/2003 14-16 ft BGS	8/26/2003 10-12 ft BGS	9/5/2003 10-12 ft BGS	9/17/2003 10-12 ft BGS	9/16/2003 10-12 ft BGS	9/16/2003 12-14 ft BGS	9/10/2003 10-12 ft BGS	8/28/2003 14-16 ft BGS	8/26/2003 10-11.5 ft BGS	9/5/2003 12-14 ft BGS	9/5/2003 10-12 ft BGS	9/17/2003 10-12 ft BGS	9/17/2003 10-12 ft BGS	9/17/2003 12-14 ft BGS	9/16/2003 12-14 ft BGS
оштри Верин	a	b	c	10 12) 1 2 0 5	11 10)1 100	10 12 11 200	10 12 / 12 000	10 12/1 200	10 12) 1 2 0 3	12 11)1 200	10 12/1 200	11 10 11 1000	10 11.5) 1 2 3 5	12 11)1 200	10 12/1 200	10 12 jt 200	10 12)1 000	12 11)1 200	12 11)1 000
Metals (mg/kg)																			
Aluminum	*	*	27562	1900	1960	1140	2020	3470	7320	4150	4920	1840	2290	4060	2890	2910	14100	14700	3660
Antimony	37	5.4	0.252	ND (0.05) UJ	0.08 J	ND (0.06) UJ	0.09 J	0.09 J	0.21 J	0.11 J	0.07 J	0.09 J	ND (0.05) UJ	0.11 J	0.09 J	0.07 J	0.15 J	0.09 J	0.09 J
Arsenic	20	3.9	10.6	3.4	67.2 ^{abc}	0.7	3.1	3.8	6.4^{b}	15.3 ^{bc}	4^{b}	4.9^{b}	3.3	5.5 ^b	4.6 ^b	14.2 ^{bc}	23.2 ^{abc}	6.9 ^b	7.6 ^b
Barium	5900	1600	181	11.7	19.2	7.93	7.44	20.1	48.4	21.4	25.6	10.6	21.6	23.8	15.3	24	103	173	30.3
Beryllium	2300	63	0.86	0.09	0.17	0.07	0.06	0.11	0.22	0.14	0.15	0.09	0.07	0.13	0.13	0.23	0.72	0.5	0.19
Cadmium	77	7.5	0.341	0.11	0.17	ND (0.06)	0.08	0.13	0.19	0.15	0.14	0.13	0.27	0.21	0.11	0.24	0.47^{c}	0.19	0.15
Calcium	*	*	147894	75200	123000	142	64600	120000	60500	93100	52300	168000°	136000	86400	134000	168000°	10900	2100	108000
Chromium Total	120	38	34.6	4.4	3.5	3.1	4.7	7.7	11.2	7.4	8.4	4.2	2.8	11.4	5.4	4.5	24.8	15.9	4.7
Cobalt	*	*	16.6	ND (2.1)	2.5	ND (2.3)	ND (2.4)	3.1	6.8	3.1	4	2.3	4.3	4.9	2.9	ND (2.2)	9.4	12.2	2.2
Copper	2700	920	24.0	6.7	10.7	1.1	5.2	11	12.7	11.4	9.5	6.4	3.5	10.2	8.1	24.9°	32.2°	11.1	11.7
Iron	*	*	40017	5880	7600	3610	8710	12400	24400	13200	13300	8220	8520	17700	9610	6670	31300	20200	9460
Lead	230	81	40.8	3.34	35.9	0.62	8.41	14	12	11.3	5.17	6.03	4.36	8.52	6.93	15.7	38.3	15.7	10
Magnesium	*	*	48865	24500	59300°	331	23300	46000	35900	51900°	23700	40000	27100	39700	56000°	85500°	8510	2570	30100
Manganese	*	*	1360	194	228	26.2	132	347	761	479	367	342	444	616	346	250	1370°	1100	422
Mercury	32	2.1	0.101	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	0.04	0.03	ND (0.02)
Nickel	2700	950	44.4	23.6	22.9	5.4	7.9	34.4	23.3	24.7	19	18.4	34.7	17.4	17.4	33.4	35.5	14.7	20
Potassium	*	*	2479	ND (418)	553	ND (466)	ND (476)	638	1720	809	734	ND (421)	508	670	593	740	1470	1150	564
Selenium	53	5.2	-	ND (1)	ND (1.1)	ND (1.2)	ND (1.2)	ND (1.1)	ND (1.1)	ND (1.2)	ND (1.1)	ND (1.2)	ND (1.2)	ND (1.1)					
Silver	87	31	0.132	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	0.09	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	0.02	ND (0.02)	ND (0.02)	0.61°	0.07	ND (0.02)
Sodium	*	*	177	76	ND (134)	ND (23)	88.3	119	186°	146	129	ND (135)	89.6	106	138	208°	55	54.5	124
Thallium	10	2.8	0.41	0.12	0.18	0.03	0.09	0.13	0.19	0.13	0.11	0.09	0.15	0.12	0.11	0.22	0.54°	0.21	0.16
Vanadium	*	*	36.3	8.5	12.3	1.62	3.8	7.1	12.5	9.5	13	5	4.92	10.2	9	18.5	23.8	26.3	12.6
Zinc	10000	10000	120	20.5	26.5	8.9	41.5	49.7	72.3	49.2	68.5	37.8	43	68.7	31	21.5	95	61.8	44.6

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Sample Location:				B-139	B-140	B-141	B-142	B-143	B-144	B-145	B-146	B-147	B-148	B-149	B-149	B-150	B-151	B-152	B-154
Sample ID:	IDEM	IDEM		S-091003-MG-216	S-082803-MG-146	S-082603-MG-122	S-082603-MG-124	S-090403-MG-183	S-090403-MG-181	S-091503-MG-267	S-091503-MG-270	S-091603-MG-276	S-091603-MG-283	S-091003-MG-218	S-091003-MG-219	S-082803-MG-148	S-090403-MG-178	S-091503-MG-264	S-091203-MG-252
Sample Date:	RISC	RISC	Background	9/10/2003	8/28/2003	8/26/2003	8/26/2003	9/4/2003	9/4/2003	9/15/2003	9/15/2003	9/16/2003	9/16/2003	9/10/2003	9/10/2003	8/28/2003	9/4/2003	9/15/2003	9/12/2003
Sample Depth:	IDCL	RDCL	Subsurface	10-12 ft BGS	16-18 ft BGS	12-13.5 ft BGS	11-13 ft BGS	10-12 ft BGS	10-12 ft BGS	10-12 ft BGS	10-12 ft BGS	14-16 ft BGS	14-16 ft BGS	14-16 ft BGS	14-16 ft BGS	16-18 ft BGS	10-12 ft BGS	10-12 ft BGS	10-12 ft BGS
	a	b	c												Duplicate				
Metals (mg/kg)				***	****	****	****	10100	****	****	***	****	****	****		4.000		****	***
Aluminum	*	*	27562	3020	2040	2340	2640	13100	3950	2660	2630	2960	2850	2600	2450	1950	2730	2510	3040
Antimony	37	5.4	0.252	0.07 J	ND (0.06) UJ	0.11 J	0.19 J	ND (0.05) UJ	0.07 J	0.09 J	0.08 J	0.15 J	0.08 J	0.2 J	0.07 J	0.09 J	0.08 J	0.07 J	0.13
Arsenic	20	3.9	10.6	4.6 ^b	2.5	16.7 ^{bc}	8.2 ^b	1.9	8 ^b	3.8	4.3 ^b	3.6	3.6	4.3 ^b	4.8 ^b	4.6 ^b	5.4 ^b	4.2 ^b	5.5 ^b
Barium	5900	1600	181	15.5	14.6	29.9	19.1	23.6	16.1	10.1	11	45.1	19.9	9.32	9.1	11	10.9	10.9	16
Beryllium	2300	63	0.86	0.15	0.06	0.07	0.14	0.53	0.17	0.11	0.15	0.11	0.15	0.12	0.11	0.1	0.15	0.13	0.16
Cadmium	77	7.5	0.341	0.12	ND (0.05)	0.14	0.21	0.07	0.19	0.17	0.19	0.26	0.15	0.12	0.23	0.12	0.15	0.18	0.15
Calcium	*	*	147894	46700	15200	119000	99100	43900	94600	89400	84500	80100	91400	65500	116000	115000	132000	109000	106000
Chromium Total	120	38	34.6	7	4.2	3.7	5	30.9	11.5	7.1	5.6	5.3	7	5.4	3.7	3.8	6	4.7	7.2
Cobalt	*	*	16.6	3.7	ND (2.5)	4.2	4.2	10.1	6.9	3.4	3.8	4.1	2.8	ND (2.3)	2.5	2.6	3	3	3.4
Copper	2700	920	24.0	10.2	3.4	10.8	15	4.7	10.9	11.1	13	17.4	12.9	8.1	8.3	8.9	10.3	11.1	12.6
Iron	*	*	40017	9090	5820	12400	13900	26000	14900	9330	8760	14400	9800	6930	11200	9020	7880	7920	10800
Lead	230	81	40.8	6.34	3.07	20.2	16.1	3.52	6.65	6.56	25.1	7.19	6.9	5.37	8.91	9.5	6.17	5.94	6.51
Magnesium	*	*	48865	24000	6150	42200	32000	25700	21100	25600	23700	35800	29800	17200	30900	35900	20100	29300	31700
Manganese	*	*	1360	314	50.9	390	455	396	354	313	393	389	378	237	293	316	361	446	426
Mercury	32	2.1	0.101	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)
Nickel	2700	950	44.4	16	5.2	36.3	34.7	23.1	26.7	20	21.5	22.6	25.6	13.9	15.8	14.4	19.8	24	21.2
Potassium	*	*	2479	671	ND (490)	438	487	902	ND (414)	ND (414)	562	455	ND (419)	641	568	ND (417)	667	616	516
Selenium	53	5.2	-	ND (1.1)	ND (1)	ND (1)	ND (1)	ND (1.1)	ND (1)	ND (1)	ND (1.1)	ND (1.1)	ND (1)	ND (1.2)	ND (1.1)	ND (1)	ND (1)	ND (1.1)	ND (1)
Silver	87	31	0.132	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	0.23°	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)
Sodium	*	*	177	80	ND (49)	162	89.8	57.9	159	100	106	105	99.2	79.6	121	ND (102)	116	123	125
Thallium	10	2.8	0.41	0.14	0.03	0.17	0.17	0.12	0.23	0.13	0.14	0.19	0.19	0.12	0.13	0.12	0.12	0.14	0.14
Vanadium	*	*	36.3	9.2	3.3	6.43	11.1	37.4°	11.5	7.3	7.9	7.1	11.8	6.4	7.9	6.5	8.5	7.5	13.2
Zinc	10000	10000	120	42.5	14.1	46.4	56.9	31.4	35	40.8	41.3	54.7	42	34.8	41.6	36.2	36.5	42.9	44.4

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Sample Location: Sample ID: Sample Date:	IDEM RISC	IDEM RISC	Background	B-154 S-091203-MG-253 9/12/2003	B-154 S-091203-MG-254 9/12/2003	B-155 S-091503-MG-256 9/15/2003	B-155 S-091503-MG-257 9/15/2003	B-156 S-091003-MG-221 9/10/2003	B-157 S-082803-MG-149 8/28/2003	B-157 S-082803-MG-150 8/28/2003	B-158 S-090403-MG-174 9/4/2003	B-159 S-091203-MG-250 9/12/2003	B-160 S-091203-MG-245 9/12/2003	B-160 S-091203-MG-246 9/12/2003	B-161 S-091103-MG-243 9/11/2003	B-162 S-091003-MG-225 9/10/2003	B-162 S-091003-MG-226 9/10/2003	B-162 S-091003-MG-227 9/10/2003	B-164 S-082903-MG-151 8/29/2003
Sample Depth:	IDCL	RDCL	Subsurface	14-16 ft BGS	14-16 ft BGS	10-12 ft BGS	18-20 ft BGS	18-20 ft BGS	14-16 ft BGS	22-24 ft BGS	14-16 ft BGS	12-14 ft BGS	10-12 ft BGS	14-16 ft BGS	22-24 ft BGS	14-16 ft BGS	22-24 ft BGS	22-24 ft BGS	12-14 ft BGS
	а	b	c		Duplicate													Duplicate	
M (1 (// //)																			
<u>Metals (mg/kg)</u> Aluminum	*	*	27562	2560	2410	2150	1520	1990	2100	1680	3200	2790	2160	2010	2590	2180	2660	2310	2920
Antimony	37	5.4	0.252	0.09	0.09	0.13 J	0.07 J	0.08 J	0.08 J	0.06 J	0.09 J	0.08	0.07	0.06	0.07 J	0.08 J	0.08 J	0.14 J	0.08 J
,				0.09		5.7 ^b	,	4.3 ^b	4.3 ^b	•	4.9 ^b			5.5 ^b	*	5.3 ^b	7.7 ^b	9.9 ^b	•
Arsenic Barium	20 5900	3.9 1600	10.6 181	3 11.2	3.4 10.6	12.7	3.2 9.26	4.5 11.7	4.5 15.9	2.9 9.1	4.9	3.1 9.72	3.1 9.89	9.24	3.2 9.34	5.5 11.1	13.5	13.5	3.5 11.3
Beryllium	2300	63	0.86	0.16	0.14	0.13	0.11	0.12	0.13	0.09	0.13	0.13	0.11	0.13	0.09	0.11	0.18	0.15	0.09
Cadmium	77	7.5	0.341	0.13	0.15	0.19	0.13	0.12	0.17	0.13	0.12	0.12	0.15	0.14	0.13	0.17	0.14	0.2	0.12
Calcium	*	*	147894	88900	112000	106000	52300	114000	86300	64000	122000	74900	77200	87800	88800	116000	96700	98000	123000
Chromium Total	120	38	34.6	4.2	4.8	4.7	3.6	5.3	4.9	3.2	7.1	4.6	4.3	4.4	4.8	3.8	5.1	4.8	6.7
Cobalt	*	*	16.6	2.9	3.1	2.8	ND (2.2)	3.4	3	ND (2.3)	3.6	2.6	2.4	2.4	2.9	3.8	3.6	3.6	3.1
	2700	920	24.0	8.8	0	10.2	7.6	10	0	6.5	10.6	7.7	9.6	9.1	8.6	18.6	11	13.9	8
Copper Iron	*	*	40017	8320	7930	12900	5480	8660	8690	6390	9240	7500	7060	7100	10500	18800	13700	12700	9480
Lead	230	81	40.8	8.72	5.52	6.86	5.16	7.84	6.29	4.61	5.61	4.94	4.19	6.34	5.32	7.01	6.5 J	10.9 J	5.33
Magnesium	*	*	48865	23300	33300	27300	13400	36100	27500	16400	25500	20500	24200	25600	24400	37800	33100	32000	32300
Manganese	*	*	1360	284	292	445	174	377	389	209	468	244	279	276	320	722	510	416	376
Mercury	32	2.1	0.101	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)						
Nickel	2700	950	44.4	17	16.5	21.1	12.5	19.5	14.9	10.5	17.1	15.1	15.4	16.7	18.1	23.6	18.5	23.1	15.3
Potassium	*	*	2479	636	563	471	ND (432)	ND (451)	ND (424)	ND (459)	726	573	ND (450)	442	472	465	540	ND (424)	654
Selenium	53	5.2	-	ND (1)	ND (1)	ND (1.1)	ND (1.1)	ND (1.1)	ND (1.1)	ND (1.2)	ND (1.1)	ND (1.1)	ND (1.1)	ND (1.1)	ND (1)	ND (1)	ND (1)	ND (1.1)	ND (1)
Silver	87	31	0.132	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)						
Sodium	*	*	177	126	103	104	68.7	109	ND (103)	ND (75.9)	127	108	97	100	87.7	141	97.9	106	94.8
Thallium	10	2.8	0.41	0.14	0.13	0.17	0.1	0.1	0.17	0.08	0.12	0.1	0.08	0.13	0.11	0.11	0.12	0.13	0.09
Vanadium	*	*	36.3	9.3	7.9	9.6	5.8	10	7.1	5.4	8.7	7.4	7.7	7.2	6.1	9.6	12.6	12.4	5.1
Zinc	10000	10000	120	41.1	47.6	51.6	28.8	52.8	42.8	33.5	48.3	36.8	41.4	44.7	61.3	53	49.4	58.9	40.3

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Sample Location: Sample ID: Sample Date:	IDEM RISC	IDEM RISC	Background	B-164 S-082903-MG-152 8/29/2003	B-165 S-090403-MG-172 9/4/2003	B-166 S-091103-MG-239 9/11/2003	B-166 S-091103-MG-240 9/11/2003	B-167 S-091103-MG-235 9/11/2003	B-167 S-091103-MG-236 9/11/2003	B-163 S-091003-MG-223 9/10/2003	B-167 S-091103-MG-237 9/11/2003	B-168 S-091103-MG-232 9/11/2003	B-168 S-091103-MG-233 9/11/2003	B-169 S-091103-MG-229 9/11/2003	B-169 S-091103-MG-230 9/11/2003	B-170 S-090403-MG-176 9/4/2003	B-171 S-090203-MG-153 9/2/2003	B-171 S-090203-MG-154 9/2/2003	B-171 S-090203-MG-155 9/2/2003
Sample Depth:	IDCL	RDCL	Subsurface	20-22 ft BGS	14-16 ft BGS	10-12 ft BGS	14-16 ft BGS	10-12 ft BGS	10-12 ft BGS	25-27 ft BGS	18-20 ft BGS	12-14 ft BGS	22-24 ft BGS	12-14 ft BGS	26-28 ft BGS	24-26 ft BGS	12-14 ft BGS	24-26 ft BGS	24-26 ft BGS
	а	b	c						Duplicate										Duplicate
Metals (mg/kg)																			
Aluminum	*	*	27562	1920	2840 J	1960	2230	2370	2770	2320	2800	2260	2010	1700	2660	2300	1760	1160	1360
Antimony	37	5.4	0.252	0.07 J	0.14 J	0.11 J	0.09 J	0.08 J	0.08 J	0.05 J	0.09 J	0.07 J	ND (0.06) UJ	0.13 J	0.08 J	0.08 J	0.1 J	0.07 J	0.07 J
Arsenic	20	3.9	10.6	4.2 ^b	7.6 ^b	4^{b}	2.9	4.4 J ^b	2.6 J	4^{b}	3.7	5.7 ^b	2.8	4.6 ^b	4 J ^b	4.4 ^b	3.9	3.2	3.1
Barium	5900	1600	181	10.1	80.8 J	8.47	10.3	9.95	8.51	12.3	8.69	12.6	10.2	15.9	12.5	12.3	11	6.8	7
Beryllium	2300	63	0.86	0.11	0.15	0.13	0.11	0.1	0.07	0.1	0.09	0.09	0.08	0.14	0.1	0.18	0.12	0.09	0.09
Cadmium	77	7.5	0.341	$0.4^{\rm c}$	0.14	0.14	0.11	0.16	0.13	0.16	0.16	0.15	0.16	0.14	0.16	0.15	0.13	0.11	0.11
Calcium	*	*	147894	123000	116000	95600	91700	121000	91500	147000	88200	105000	93300	100000	113000	109000	86700	56800	60700
Chromium Total	120	38	34.6	5.1	6.2	4.4	5.5	5.5 J	11 J	7.6	6.4	6.1	3.4	3.4	5.6	5.7	3.8	3.2	3.5
Cobalt	*	*	16.6	2.6	4.8	2.6	3.4	3.8	3.8	3	2.8	3	ND (2.3)	2.9	3.3	2.8	2.5	ND (2.3)	ND (2.3)
Copper	2700	920	24.0	7.5	11.6 J	9.2	8	9	7.2	8.2	8.8	8.3	7	11.1	9.3 J	11.4	8.9	6	6.1
Iron	*	*	40017	7230	24600 J	11200	9890	8770	10800	9850	10400	9520	5900	9350	9810 J	8380	7040	4670	5140
Lead	230	81	40.8	5.18	10.8 J	5.78	5.24	5.44	4.96	6.6	4.95	5.61	4.81	7.09	7.78	7.28	5.87	4.37	4.39
Magnesium	*	*	48865	39800	36300 J	25600	29300	43300	27500	33600	25100	20900	27400	29400	31000	40700	32800	12900	13800
Manganese	*	*	1360	267	571	405	395	337	436	415	338	470	290	393	400 J	471	352	150	168
Mercury	32	2.1	0.101	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)
Nickel	2700	950	44.4	16.5	18.1	16.8	17.3	17.3	23.7	24.2	16.1	20.2	20.3	19.1	21	18.8	13.8	9.4	9.8
Potassium	*	*	2479	ND (407)	616	ND (459)	445	547	538	408	608	ND (413)	599	442	440	576	ND (457)	ND (459)	ND (464)
Selenium	53	5.2	-	ND (1)	ND (1)	1.7	ND (1.1)	ND (1.1)	ND (1)	ND (1)	ND (1.1)	ND (1)	ND (1.1)	ND (1.1)	ND (1)	ND (1)	ND (1.1)	ND (1.1)	ND (1.2)
Silver	87	31	0.132	ND (0.02)	0.02	ND (0.02)	ND (0.02)	ND (0.02)	0.02	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)					
Sodium	*	*	177	85	106	105	97.1	114	114	110	112	94.1	109	102	111	109	80.9	45.9	50.9
Thallium	10	2.8	0.41	0.11	0.16	0.09	0.1	0.1	0.07	0.09	0.1	0.09	0.1	0.09	0.13	0.14	0.11	0.07	0.08
Vanadium	*	*	36.3	7.7	11.9 J	7	7.7	8.2 J	4.5 J	7.5	6	5.6	5.5	5.3	6.2	12.2	7	6.9	5.6
Zinc	10000	10000	120	36.1	90.2 J	45.1	47.6	47.3	69.8	55.6	58.1	47.1	28.8	43.2	52.7 J	40.1	44.6	28.2	29.6

TABLE 4.11 Page 6 of 6

SUMMARY OF INTERMEDIATE SUBSURFACE SOIL METALS ANALYTICAL DATA - SWMUs 1 AND 2 RADIO MATERIALS CORPORATION ATTICA, INDIANA

Sample Location: Sample ID: Sample Date: Sample Depth:	IDEM RISC IDCL a	IDEM RISC RDCL b	Background Subsurface c	B-172 S-090303-MG-170 9/3/2003 12-14 ft BGS	B-173 S-090303-MG-168 9/3/2003 14-16 ft BGS	B-174 S-090303-MG-165 9/3/2003 14-16 ft BGS	B-175 S-090303-MG-162 9/3/2003 10-12 ft BGS	B-175 S-090303-MG-163 9/3/2003 24-26 ft BGS	B-176 S-090303-MG-160 9/3/2003 10-12 ft BGS	B-176 S-090303-MG-161 9/3/2003 28-30 ft BGS	B-177 S-090203-MG-158 9/2/2003 10-12 ft BGS	B-177 S-090203-MG-159 9/2/2003 26-28 ft BGS	B-178 S-090203-MG-156 9/2/2003 16-18 ft BGS	B-178 S-090203-MG-157 9/2/2003 26-28 ft BGS	B-179 S-091503-MG-273 9/15/2003 12-14 ft BGS	B-180 S-091603-MG-280 9/16/2003 12-14 ft BGS	B-210 S-082504-MG-036 8/25/2004 14-16 ft BGS	B-211 S-082504-MG-038 8/25/2004 14-16 ft BGS	B-212 S-082504-MG-040 8/25/2004 14-16 ft BGS	B-213 S-082604-MG-042 8/26/2004 12-14 ft BGS
Metals (mg/kg)																				
Aluminum	*	*	27562	2920	3290	2030	1750	1810	2550	2740	2030	1840	2260	2300	16000	2460				
Antimony	37	5.4	0.252	0.07	0.09	0.08	0.08	0.12	0.12	0.09	0.35 J ^c	0.07 J	0.09 J	0.08 J	0.11 J	0.1 J				
Arsenic	20	3.9	10.6	4.1 ^b	4^{b}	3	3.4	3.2	4.5 ^b	4.9^{b}	14.5 ^{bc}	3.8	3.1	4.8 ^b	9.7 ^b	3.1	5.70 ^b	10.3 ^b	14.6 ^{bc}	5.17 ^b
Barium	5900	1600	181	17.3	15.7	13.7	14.1	13.1	13.7	11.4	12.9	8.7	12.5	20.1	73.5	11.2				
Beryllium	2300	63	0.86	0.13	0.1	0.15	0.12	0.11	0.11	0.1	0.13	0.11	0.1	0.15	0.56	0.1				
Cadmium	77	7.5	0.341	0.13	0.11	0.13	0.15	0.11	0.12	0.15	0.19	0.17	0.14	0.16	0.26	0.13				
Calcium	*	*	147894	115000	91500	106000	113000	95600	102000	114000	124000	128000	129000	133000	7930	101000				
Chromium Total	120	38	34.6	8.4	10.6	5.6	4.9	3.9	9.2	7.2	4.7	5.1	6.2	4.9	27.2	4.8				
Cobalt	*	*	16.6	3.7	5.5	2.8	2.8	3.1	4.5	3.5	4.4	ND (2.1)	3.2	2.6	8.3	3.4				
Copper	2700	920	24.0	10	8.8	10.4	9.2	8.7	8.6	8.7	14.1	6.5	7.5	11.2	21.9	9.1				
Iron	*	*	40017	9500	11200	7210	9280	7690	13700	9280	21500	5860	9540	8320	24400	8650				
Lead	230	81	40.8	8.71	5.23	5.6	5.44	6.16	6.62	7.52	15.5	5.3	5.06	8.01	18.6	7.59				
Magnesium	*	*	48865	28200	23900	30000	33600	22700	33300	35500	41000	50700°	28200	42200	6650	29700				
Manganese	*	*	1360	411	349	260	406	317	387	378	363	252	466	422	881	315				
Mercury	32	2.1	0.101	ND (0.02)	ND (0.01)	ND (0.02)	0.03													
Nickel	2700	950	44.4	17.8	21	18.7	18.7	15.7	17.5	20.8	24.6	18.1	18.2	17.7	22.6	19.4				
Potassium	*	*	2479	682	742	451	ND (363)	ND (417)	453	584	ND (416)	ND (417)	ND (422)	484	1210	540				
Selenium	53	5.2	-	ND (1.1)	ND (0.9)	ND (1.1)	ND (0.9)	ND (1)	ND (0.9)	ND (1)	ND (1)	ND (1.1)	ND (1.1)	ND (1)	ND (1.2)	ND (1.1)				
Silver	87	31	0.132	0.03	ND (0.02)	0.16°	0.02													
Sodium	*	*	177	106	97.1	78.7	96.8	80.1	106	111	112	113	77.3	109	81.1	95.7				
Thallium	10	2.8	0.41	0.11	0.14	0.11	0.15	0.11	0.15	0.09	0.19	0.1	0.1	0.22	0.29	0.1				
Vanadium	*	*	36.3	8.3	9.9	8.6	6.9	6.8	9.3	6.5	11.8	6.6	6.2	9.4	25.5	6				
Zinc	10000	10000	120	40.6	40.8	34.8	50.2	42.7	67.2	38.9	49.7	27.7	47.8	42.8	88.3	45.5				

Notes:
IDEM - Indiana Department of Environmental Management
RISC - Risk Integrated System of Closure

IDCL - Industrial Default Closure Level

RDCL - Residential Default Closure Level
* - Criteria not established for this analyte.

-- - Not Analyzed

BGS - below ground surface mg/kg - milligrams per kilogram ND(1.1) - Analyte not detected at quantitation limit in parenthesis.

J - The associated value is an estimated quantity.

SUMMARY OF SHALLOW SUBSURFACE SOIL VOC ANALYTICAL DATA - SWMU 3 RADIO MATERIALS CORPORATION ATTICA, INDIANA

Sample Location:			SS-301	SS-301	SS-301	SS-302	SS-302	SS-303	SS-303	SS-304	SS-304	SS-305	SS-305	SS-305	SS-306	SS-306	B-301	B-302
Sample ID: Sample Date:	IDEM RISC	IDEM RISC	S-082103-MG-090 8/21/2003	S-082103-MG-091 8/21/2003	S-082103-MG-092 8/21/2003	S-082103-MG-093 8/21/2003	S-082103-MG-094 8/21/2003	S-082103-MG-095 8/21/2003	S-082103-MG-096 8/21/2003	S-082203-MG-104 8/22/2003	S-082203-MG-105 8/22/2003	S-082203-MG-101 8/22/2003	S-082203-MG-102 8/22/2003	S-082203-MG-103 8/22/2003	S-082203-MG-099 8/22/2003	S-082203-MG-100 8/22/2003	S-082103-MG-098 8/21/2003	S-082103-MG-097 8/21/2003
Sample Date: Sample Depth:	IDCL	RDCL	0-0.5 ft BGS	0-0.5 ft BGS	3/21/2003 1-1.5 ft BGS	0-0.5 ft BGS	1-1.5 ft BGS	0-0.5 ft BGS	1-1.5 ft BGS	0-0.5 ft BGS	1-1.5 ft BGS	0-0.5 ft BGS	1-1.5 ft BGS	1-1.5 ft BGS	0-0.5 ft BGS	1-1.5 ft BGS	8-10 ft BGS	6-8 ft BGS
Sample Septia	a	b	0 0.0) 1 200	Duplicate	1 110/1 200	0 0.0) 1 2 0 0	1 110)1 200	v vis ji zas	1 115/1 200	0 015) 1 2 0 5	1 110/1 200	0 015)1 200	1 110)1 200	Duplicate	0 0.0 / 1 200	1 110)1 200	0 10)1 200	0 0) 1 200
Volatile Organic Compounds (mg/kg)																		
1,1,1,2-Tetrachloroethane	0.85	0.053	ND (0.0059) UJ	ND (0.0065) UJ	ND (0.006) UJ	ND (0.0067) UJ	ND (0.006) UJ	ND (0.0059) UJ	ND (0.0058) UJ	ND (0.006) UJ	ND (0.0077) UJ	ND (0.0061) UJ	ND (0.006) UJ	ND (0.0054) UJ	ND (0.0054) UJ	ND (0.006) UJ	ND (0.0061) UJ	ND (0.0058) UJ
1,1,1-Trichloroethane	280	1.9	ND (0.0059)	ND (0.0065)	ND (0.006)	ND (0.0067)	ND (0.006)	ND (0.0059)	ND (0.0058)	ND (0.006)	ND (0.0077)	ND (0.0061)	ND (0.006)	ND (0.0054)	ND (0.0054)	ND (0.006)	ND (0.0061)	ND (0.0058)
1,1,2,2-Tetrachloroethane	0.11	0.007	ND (0.0059)	ND (0.0065)	ND (0.006)	ND (0.0067)	ND (0.006)	ND (0.0059)	ND (0.0058)	ND (0.006)	ND (0.0077)	ND (0.0061)	ND (0.006)	ND (0.0054)	ND (0.0054)	ND (0.006)	ND (0.0061)	ND (0.0058)
1,1,2-Trichloroethane	0.3	0.03	ND (0.0059)	ND (0.0065)	ND (0.006)	ND (0.0067)	ND (0.006)	ND (0.0059)	ND (0.0058)	ND (0.006)	ND (0.0077)	ND (0.0061)	ND (0.006)	ND (0.0054)	ND (0.0054)	ND (0.006)	ND (0.0061)	ND (0.0058)
1,1-Dichloroethane	58	5.6	ND (0.0059)	ND (0.0065)	ND (0.006)	ND (0.0067)	ND (0.006)	ND (0.0059)	ND (0.0058)	ND (0.006)	ND (0.0077)	ND (0.0061)	ND (0.006)	ND (0.0054)	ND (0.0054)	ND (0.006)	ND (0.0061)	ND (0.0058)
1,1-Dichloroethene	42	0.058	ND (0.0059)	ND (0.0065)	ND (0.006)	ND (0.0067)	ND (0.006)	ND (0.0059)	ND (0.0058)	ND (0.006)	ND (0.0077)	ND (0.0061)	ND (0.006)	ND (0.0054)	ND (0.0054)	ND (0.006)	ND (0.0061)	ND (0.0058)
1,1-Dichloropropene	*	*	ND (0.0059)	ND (0.0065)	ND (0.006)	ND (0.0067)	ND (0.006)	ND (0.0059)	ND (0.0058)	ND (0.006)	ND (0.0077)	ND (0.0061)	ND (0.006)	ND (0.0054)	ND (0.0054)	ND (0.006)	ND (0.0061)	ND (0.0058)
1,2,3-Trichlorobenzene		*	ND (0.024) ND (0.0059)	ND (0.026)	ND (0.024) ND (0.006)	ND (0.027)	ND (0.024)	ND (0.024) ND (0.0059)	ND (0.023)	ND (0.024) ND (0.006)	ND (0.031) ND (0.0077)	ND (0.025) ND (0.0061)	ND (0.024) ND (0.006)	ND (0.022) ND (0.0054)	ND (0.022)	ND (0.024)	ND (0.025)	ND (0.023)
1,2,3-Trichloropropane 1,2,4-Trichlorobenzene	77	5.3	ND (0.0039)	ND (0.0065) ND (0.026)	ND (0.004)	ND (0.0067) ND (0.027)	ND (0.006) ND (0.024)	ND (0.0039)	ND (0.0058) ND (0.023)	ND (0.006) ND (0.024)	ND (0.0077) ND (0.031)	ND (0.0061)	ND (0.006) ND (0.024)	ND (0.0034)	ND (0.0054) ND (0.022)	ND (0.006) ND (0.024)	ND (0.0061) ND (0.025)	ND (0.0058) ND (0.023)
1,2,4-Trimethylbenzene	170	2.5	ND (0.024)	ND (0.026)	ND (0.024)	ND (0.027)	ND (0.024)	ND (0.024)	ND (0.023)	ND (0.024)	ND (0.031)	ND (0.025)	ND (0.024)	ND (0.022)	ND (0.022)	ND (0.024)	ND (0.025)	ND (0.023)
1,2-Dibromo-3-chloropropane (DBCP)	*	*	ND (0.024)	ND (0.026)	ND (0.024)	ND (0.027)	ND (0.024)	ND (0.024)	ND (0.023)	ND (0.024)	ND (0.031)	ND (0.025)	ND (0.024)	ND (0.022)	ND (0.022)	ND (0.024)	ND (0.025)	ND (0.023)
1,2-Dibromoethane (Ethylene Dibromide	*	*	ND (0.024)	ND (0.026)	ND (0.024)	ND (0.027)	ND (0.024)	ND (0.024)	ND (0.023)	ND (0.024)	ND (0.031)	ND (0.025)	ND (0.024)	ND (0.022)	ND (0.022)	ND (0.024)	ND (0.025)	ND (0.023)
1,2-Dichlorobenzene	220	17	ND (0.0059)	ND (0.0065)	ND (0.006)	ND (0.0067)	ND (0.006)	ND (0.0059)	ND (0.0058)	ND (0.006)	ND (0.0077)	ND (0.0061)	ND (0.006)	ND (0.0054)	ND (0.0054)	ND (0.006)	ND (0.0061)	ND (0.0058)
1,2-Dichloroethane	0.15	0.024	ND (0.0059)	ND (0.0065)	ND (0.006)	ND (0.0067)	ND (0.006)	ND (0.0059)	ND (0.0058)	ND (0.006)	ND (0.0077)	ND (0.0061)	ND (0.006)	ND (0.0054)	ND (0.0054)	ND (0.006)	ND (0.0061)	ND (0.0058)
1,2-Dichloropropane	0.25	0.03	ND (0.0059)	ND (0.0065)	ND (0.006)	ND (0.0067)	ND (0.006)	ND (0.0059)	ND (0.0058)	ND (0.006)	ND (0.0077)	ND (0.0061)	ND (0.006)	ND (0.0054)	ND (0.0054)	ND (0.006)	ND (0.0061)	ND (0.0058)
1,3,5-Trimethylbenzene	68	0.61	ND (0.024)	ND (0.026)	ND (0.024)	ND (0.027)	ND (0.024)	ND (0.024)	ND (0.023)	ND (0.024)	ND (0.031)	ND (0.025)	ND (0.024)	ND (0.022)	ND (0.022)	ND (0.024)	ND (0.025)	ND (0.023)
1,3-Dichlorobenzene 1,3-Dichloropropane	2.7	0.2	ND (0.0059) ND (0.0059)	ND (0.0065) ND (0.0065)	ND (0.006) ND (0.006)	ND (0.0067) ND (0.0067)	ND (0.006) ND (0.006)	ND (0.0059) ND (0.0059)	ND (0.0058) ND (0.0058)	ND (0.006) ND (0.006)	ND (0.0077) ND (0.0077)	ND (0.0061) ND (0.0061)	ND (0.006) ND (0.006)	ND (0.0054) ND (0.0054)	ND (0.0054) ND (0.0054)	ND (0.006) ND (0.006)	ND (0.0061) ND (0.0061)	ND (0.0058) ND (0.0058)
1,5-Dichloropropane 1.4-Dichlorobenzene	3.4	2.2	ND (0.0059)	ND (0.0065)	ND (0.006) ND (0.006)	ND (0.0067) ND (0.0067)	ND (0.006) ND (0.006)	ND (0.0059) ND (0.0059)	ND (0.0058) ND (0.0058)	ND (0.006) ND (0.006)	ND (0.0077) ND (0.0077)	ND (0.0061) ND (0.0061)	ND (0.006) ND (0.006)	ND (0.0054) ND (0.0054)	ND (0.0054) ND (0.0054)	ND (0.006) ND (0.006)	ND (0.0061) ND (0.0061)	ND (0.0058)
2,2-Dichloropropane	*	*	ND (0.0059)	ND (0.0065)	ND (0.006)	ND (0.0067)	ND (0.006)	ND (0.0059)	ND (0.0058)	ND (0.006)	ND (0.0077)	ND (0.0061)	ND (0.006)	ND (0.0054)	ND (0.0054)	ND (0.006)	ND (0.0061)	ND (0.0058)
2-Butanone (Methyl Ethyl Ketone)	250	35	ND (0.024)	ND (0.026)	ND (0.024)	ND (0.027)	ND (0.024)	ND (0.024)	ND (0.023)	ND (0.024)	ND (0.031)	ND (0.025)	ND (0.024)	ND (0.022)	ND (0.022)	ND (0.024)	ND (0.025)	ND (0.023)
2-Chlorotoluene	*	*	ND (0.024)	ND (0.026)	ND (0.024)	ND (0.027)	ND (0.024)	ND (0.024)	ND (0.023)	ND (0.024)	ND (0.031)	ND (0.025)	ND (0.024)	ND (0.022)	ND (0.022)	ND (0.024)	ND (0.025)	ND (0.023)
2-Hexanone	*	*	ND (0.024)	ND (0.026)	ND (0.024)	ND (0.027)	ND (0.024)	ND (0.024)	ND (0.023)	ND (0.024)	ND (0.031)	ND (0.025)	ND (0.024)	ND (0.022)	ND (0.022)	ND (0.024)	ND (0.025)	ND (0.023)
2-Phenylbutane (sec-Butylbenzene)	*	*	ND (0.024)	ND (0.026)	ND (0.024)	ND (0.027)	ND (0.024)	ND (0.024)	ND (0.023)	ND (0.024)	ND (0.031)	ND (0.025)	ND (0.024)	ND (0.022)	ND (0.022)	ND (0.024)	ND (0.025)	ND (0.023)
4-Chlorotoluene	*	*	ND (0.024)	ND (0.026)	ND (0.024)	ND (0.027)	ND (0.024)	ND (0.024)	ND (0.023)	ND (0.024)	ND (0.031)	ND (0.025)	ND (0.024)	ND (0.022)	ND (0.022)	ND (0.024)	ND (0.025)	ND (0.023)
4-Methyl-2-Pentanone				/ /														
(Methyl Isobutyl Ketone) Acetone	75 370	20 3.8	ND (0.024)	ND (0.026)	ND (0.024)	ND (0.027)	ND (0.024)	ND (0.024)	ND (0.023)	ND (0.024)	ND (0.031)	ND (0.025)	ND (0.024)	ND (0.022) ND (0.054) UJ	ND (0.022)	ND (0.024)	ND (0.025)	ND (0.023)
Benzene	0.35	0.034	ND (0.059) UJ ND (0.0059)	ND (0.065) UJ ND (0.0065)	ND (0.06) UJ ND (0.006)	ND (0.067) UJ ND (0.0067)	ND (0.06) UJ ND (0.006)	ND (0.059) UJ ND (0.0059)	ND (0.058) UJ ND (0.0058)	ND (0.06) UJ ND (0.006)	ND (0.077) UJ ND (0.0077)	ND (0.061) UJ ND (0.0061)	ND (0.06) UJ ND (0.006)	ND (0.054) UJ ND (0.0054)	ND (0.054) UJ ND (0.0054)	ND (0.06) UJ ND (0.006)	ND (0.061) UJ ND (0.0061)	ND (0.058) UJ ND (0.0058)
Bromobenzene	*	*	ND (0.0059)	ND (0.0065)	ND (0.006)	ND (0.0067)	ND (0.006)	ND (0.0059)	ND (0.0058)	ND (0.006)	ND (0.0077)	ND (0.0061)	ND (0.006)	ND (0.0054)	ND (0.0054)	ND (0.006)	ND (0.0061)	ND (0.0058)
Bromodichloromethane	0.51	0.51	ND (0.0059)	ND (0.0065)	ND (0.006)	ND (0.0067)	ND (0.006)	ND (0.0059)	ND (0.0058)	ND (0.006)	ND (0.0077)	ND (0.0061)	ND (0.006)	ND (0.0054)	ND (0.0054)	ND (0.006)	ND (0.0061)	ND (0.0058)
Bromoform	2.7	0.6	ND (0.0059) UJ	ND (0.0065) UJ	ND (0.006) UJ	ND (0.0067) UJ	ND (0.006) UJ	ND (0.0059) UJ	ND (0.0058) UJ	ND (0.006) UJ	ND (0.0077) UJ	ND (0.0061) UJ	ND (0.006) UJ	ND (0.0054) UJ	ND (0.0054) UJ	ND (0.006) UJ	ND (0.0061) UJ	ND (0.0058) UJ
Bromomethane (Methyl Bromide)	0.7	0.052	ND (0.0059) UJ	ND (0.0065) UJ	ND (0.006) UJ	ND (0.0067) UJ	ND (0.006) UJ	ND (0.0059) UJ	ND (0.0058) UJ	ND (0.006) UJ	ND (0.0077) UJ	ND (0.0061) UJ	ND (0.006) UJ	ND (0.0054) UJ	ND (0.0054) UJ	ND (0.006) UJ	ND (0.0061) UJ	ND (0.0058) UJ
Carbon disulfide	82	10	ND (0.0059)	ND (0.0065)	ND (0.006)	ND (0.0067)	ND (0.006)	ND (0.0059)	ND (0.0058)	ND (0.006)	ND (0.0077)	ND (0.0061)	ND (0.006)	ND (0.0054)	ND (0.0054)	ND (0.006)	ND (0.0061)	ND (0.0058)
Carbon tetrachloride	0.29	0.066	ND (0.0059)	ND (0.0065)	ND (0.006)	ND (0.0067)	ND (0.006)	ND (0.0059)	ND (0.0058)	ND (0.006)	ND (0.0077)	ND (0.0061)	ND (0.006)	ND (0.0054)	ND (0.0054)	ND (0.006)	ND (0.0061)	ND (0.0058)
Chlorobenzene	27	1.3	ND (0.0059)	ND (0.0065)	ND (0.006)	ND (0.0067)	ND (0.006)	ND (0.0059)	ND (0.0058)	ND (0.006)	ND (0.0077)	ND (0.0061)	ND (0.006)	ND (0.0054)	ND (0.0054)	ND (0.006)	ND (0.0061)	ND (0.0058)
Chlorobromomethane Chloroethane	10	0.65	ND (0.0059) ND (0.0059)	ND (0.0065) ND (0.0065)	ND (0.006) ND (0.006)	ND (0.0067) ND (0.0067)	ND (0.006) ND (0.006)	ND (0.0059) ND (0.0059)	ND (0.0058) ND (0.0058)	ND (0.006) ND (0.006)	ND (0.0077) ND (0.0077)	ND (0.0061) ND (0.0061)	ND (0.006) ND (0.006)	ND (0.0054) ND (0.0054)	ND (0.0054) ND (0.0054)	ND (0.006) ND (0.006)	ND (0.0061) ND (0.0061)	ND (0.0058) ND (0.0058)
Chloroform (Trichloromethane)	1.2	0.47	ND (0.0059)	ND (0.0065)	ND (0.006)	ND (0.0067)	ND (0.006)	ND (0.0059)	ND (0.0058)	ND (0.006)	ND (0.0077)	ND (0.0061)	ND (0.006)	ND (0.0054)	ND (0.0054)	ND (0.006)	ND (0.0061)	ND (0.0058)
Chloromethane (Methyl Chloride)	*	*	ND (0.0059)	ND (0.0065)	ND (0.006)	ND (0.0067)	ND (0.006)	ND (0.0059)	ND (0.0058)	ND (0.006)	ND (0.0077)	ND (0.0061)	ND (0.006)	ND (0.0054)	ND (0.0054)	ND (0.006)	ND (0.0061)	ND (0.0058)
cis-1,2-Dichloroethene	5.8	0.4	ND (0.0059)	ND (0.0065)	ND (0.006)	ND (0.0067)	ND (0.006)	ND (0.0059)	ND (0.0058)	ND (0.006)	ND (0.0077)	ND (0.0061)	ND (0.006)	ND (0.0054)	ND (0.0054)	ND (0.006)	ND (0.0061)	ND (0.0058)
cis-1,3-Dichloropropene	*	*	ND (0.0059)	ND (0.0065)	ND (0.006)	ND (0.0067)	ND (0.006)	ND (0.0059)	ND (0.0058)	ND (0.006)	ND (0.0077)	ND (0.0061)	ND (0.006)	ND (0.0054)	ND (0.0054)	ND (0.006)	ND (0.0061)	ND (0.0058)
Cymene (p-Isopropyltoluene)	*	*	ND (0.024)	ND (0.026)	ND (0.024)	ND (0.027)	ND (0.024)	ND (0.024)	ND (0.023)	ND (0.024)	ND (0.031)	ND (0.025)	ND (0.024)	ND (0.022)	ND (0.022)	ND (0.024)	ND (0.025)	ND (0.023)
Dibromochloromethane	*	*	ND (0.0059)	ND (0.0065)	ND (0.006)	ND (0.0067)	ND (0.006)	ND (0.0059)	ND (0.0058)	ND (0.006)	ND (0.0077)	ND (0.0061)	ND (0.006)	ND (0.0054)	ND (0.0054)	ND (0.006)	ND (0.0061)	ND (0.0058)
Dibromomethane	*	*	ND (0.0059)	ND (0.0065)	ND (0.006)	ND (0.0067)	ND (0.006)	ND (0.0059)	ND (0.0058)	ND (0.006)	ND (0.0077)	ND (0.0061)	ND (0.006)	ND (0.0054)	ND (0.0054)	ND (0.006)	ND (0.0061)	ND (0.0058)
Dichlorodifluoromethane (CFC-12) Ethylbenzene	160	13	ND (0.0059) ND (0.0059)	ND (0.0065) ND (0.0065)	ND (0.006) ND (0.006)	ND (0.0067) ND (0.0067)	ND (0.006) ND (0.006)	ND (0.0059) ND (0.0059)	ND (0.0058) ND (0.0058)	ND (0.006) ND (0.006)	ND (0.0077) ND (0.0077)	ND (0.0061) ND (0.0061)	ND (0.006) ND (0.006)	ND (0.0054) ND (0.0054)	ND (0.0054) ND (0.0054)	ND (0.006) ND (0.006)	ND (0.0061) ND (0.0061)	ND (0.0058) ND (0.0058)
Hexachlorobutadiene	44	16	ND (0.0039) ND (0.024)	ND (0.0063) ND (0.026)	ND (0.006) ND (0.024)	ND (0.0067) ND (0.027)	ND (0.006) ND (0.024)	ND (0.0039) ND (0.024)	ND (0.0038) ND (0.023)	ND (0.006) ND (0.024)	ND (0.0077) ND (0.031)	ND (0.0061) ND (0.025)	ND (0.006) ND (0.024)	ND (0.0034) ND (0.022)	ND (0.0034) ND (0.022)	ND (0.006) ND (0.024)	ND (0.0061) ND (0.025)	ND (0.0038) ND (0.023)
Isopropylbenzene	*	*	ND (0.024)	ND (0.026)	ND (0.024)	ND (0.027)	ND (0.024)	ND (0.024)	ND (0.023)	ND (0.024)	ND (0.031)	ND (0.025)	ND (0.024)	ND (0.022)	ND (0.022)	ND (0.024)	ND (0.025)	ND (0.023)
m&p-Xylene	*	*	ND (0.0059) UJ	ND (0.0065) UJ	ND (0.006) UJ	ND (0.0067) UJ	ND (0.006) UJ	ND (0.0059) UJ	ND (0.0058) UJ	ND (0.006) UJ	ND (0.0077) UJ	ND (0.0061) UJ	ND (0.006) UJ	ND (0.0054) UJ	ND (0.0054) UJ	ND (0.006) UJ	ND (0.0061) UJ	ND (0.0058) UJ
Methylene chloride	1.8	0.023	ND (0.012)	ND (0.013)	ND (0.012)	ND (0.014)	ND (0.012)	0.0057 J	0.0078 J	ND (0.012)	ND (0.016)	ND (0.013)	ND (0.012)	ND (0.011)	ND (0.011)	ND (0.012)	ND (0.013)	ND (0.012)
Naphthalene	170	0.7	ND (0.024)	ND (0.026)	ND (0.024)	ND (0.027)	ND (0.024)	ND (0.024)	ND (0.023)	ND (0.024)	ND (0.031)	ND (0.025)	ND (0.024)	ND (0.022)	ND (0.022)	ND (0.024)	ND (0.025)	ND (0.023)
n-Butylbenzene	*	*	ND (0.024)	ND (0.026)	ND (0.024)	ND (0.027)	ND (0.024)	ND (0.024)	ND (0.023)	ND (0.024)	ND (0.031)	ND (0.025)	ND (0.024)	ND (0.022)	ND (0.022)	ND (0.024)	ND (0.025)	ND (0.023)
n-Propylbenzene	*	*	ND (0.024)	ND (0.026)	ND (0.024)	ND (0.027)	ND (0.024)	ND (0.024)	ND (0.023)	ND (0.024)	ND (0.031)	ND (0.025)	ND (0.024)	ND (0.022)	ND (0.022)	ND (0.024)	ND (0.025)	ND (0.023)
o-Xylene Styropo	550	3.5	ND (0.0059) UJ	ND (0.0065) UJ	ND (0.006) UJ	ND (0.0067) UJ	ND (0.006) UJ	ND (0.0059) UJ	ND (0.0058) UJ	ND (0.006) UJ	ND (0.0077) UJ	ND (0.0061) UJ	ND (0.006) UJ	ND (0.0054) UJ	ND (0.0054) UJ	ND (0.006) UJ	ND (0.0061) UJ	ND (0.0058) UJ
Styrene tert-Butylbenzene	35U *	3.5 *	ND (0.0059) UJ ND (0.024)	ND (0.0065) UJ ND (0.026)	ND (0.006) UJ ND (0.024)	ND (0.0067) UJ ND (0.027)	ND (0.006) UJ ND (0.024)	ND (0.0059) UJ ND (0.024)	ND (0.0058) UJ ND (0.023)	ND (0.006) UJ ND (0.024)	ND (0.0077) UJ ND (0.031)	ND (0.0061) UJ ND (0.025)	ND (0.006) UJ ND (0.024)	ND (0.0054) UJ ND (0.022)	ND (0.0054) UJ ND (0.022)	ND (0.006) UJ ND (0.024)	ND (0.0061) UJ ND (0.025)	ND (0.0058) UJ ND (0.023)
Tetrachloroethene	0.64	0.058	0.045	0.06 ^b	0.024)	0.056	0.0078	0.015	0.029	0.048	0.055	0.038	0.038	0.035	0.19 ^b	0.044	0.79 ^{ab}	0.039
Toluene	240	12	ND (0.0059)	ND (0.0065)	ND (0.006)	ND (0.0067)	ND (0.006)	ND (0.0059)	ND (0.0058)	ND (0.006)	ND (0.0077)	ND (0.0061)	ND (0.006)	ND (0.0054)	ND (0.0054)	ND (0.006)	ND (0.0061)	ND (0.0058)
trans-1,2-Dichloroethene	14	0.68	ND (0.0059)	ND (0.0065)	ND (0.006)	ND (0.0067)	ND (0.006)	ND (0.0059)	ND (0.0058)	ND (0.006)	ND (0.0077)	ND (0.0061)	ND (0.006)	ND (0.0054)	ND (0.0054)	ND (0.006)	ND (0.0061)	ND (0.0058)
trans-1,3-Dichloropropene	*	*	ND (0.0059)	ND (0.0065)	ND (0.006)	ND (0.0067)	ND (0.006)	ND (0.0059)	ND (0.0058)	ND (0.006)	ND (0.0077)	ND (0.0061)	ND (0.006)	ND (0.0054)	ND (0.0054)	ND (0.006)	ND (0.0061)	ND (0.0058)
Trichloroethene	0.082	0.057	ND (0.0059)	ND (0.0065)	ND (0.006)	ND (0.0067)	ND (0.006)	ND (0.0059)	ND (0.0058)	ND (0.006)	ND (0.0077)	ND (0.0061)	ND (0.006)	ND (0.0054)	ND (0.0054)	ND (0.006)	ND (0.0068)	ND (0.0058)
Trichlorofluoromethane (CFC-11)	*	*	ND (0.0059)	ND (0.0065)	ND (0.006)	ND (0.0067)	ND (0.006)	ND (0.0059)	ND (0.0058)	ND (0.006)	ND (0.0077)	ND (0.0061)	ND (0.006)	ND (0.0054)	ND (0.0054)	ND (0.006)	ND (0.0061)	ND (0.0058)
Vinyl chloride	0.013	0.013	ND (0.0059)	ND (0.0065)	ND (0.006)	ND (0.0067)	ND (0.006)	ND (0.0059)	ND (0.0058)	ND (0.006)	ND (0.0077)	ND (0.0061)	ND (0.006)	ND (0.0054)	ND (0.0054)	ND (0.006)	ND (0.0061)	ND (0.0058)

Notes:

IDEM - Indiana Department of Environmental Management
RISC - Risk Integrated System of Closure
IDCL - Industrial Default Closure Level
RDCL - Residential Default Closure Level
* - Criteria not established for this analyte.

* - Criteria not established for this analyte.
-- Not Analyzed
BGS - below ground surface
mg/kg - milligrams per kilogram
ND(1.1) - Analyte not detected at quantitation limit in parenthesis.
J - The associated value is an estimated quantity.
UJ - The material was analyzed for, but was not detected. The associated value is an estimate and may be inaccurate or imprecise.

SUMMARY OF SHALLOW SUBSURFACE SOIL SVOC ANALYTICAL DATA - SWMU 3 RADIO MATERIALS CORPORATION ATTICA, INDIANA

Sample Location: Sample ID: Sample Date: Sample Depth:	IDEM RISC IDCL a	IDEM RISC RDCL b	SS-301 S-082103-MG-090 8/21/2003 0-0.5 ft BGS	SS-301 S-082103-MG-091 8/21/2003 0-0.5 ft BGS Duplicate	SS-301 S-082103-MG-092 8/21/2003 1-1.5 ft BGS	SS-302 S-082103-MG-093 8/21/2003 0-0.5 ft BGS	SS-302 S-082103-MG-094 8/21/2003 1-1.5 ft BGS	SS-303 S-082103-MG-095 8/21/2003 0-0.5 ft BGS	SS-303 S-082103-MG-096 8/21/2003 1-1.5 ft BGS	SS-304 S-082203-MG-104 8/22/2003 0-0.5 ft BGS	SS-304 S-082203-MG-105 8/22/2003 1-1.5 ft BGS	SS-305 S-082203-MG-101 8/22/2003 0-0.5 ft BGS	SS-305 S-082203-MG-102 8/22/2003 1-1.5 ft BGS	SS-305 S-082203-MG-103 8/22/2003 1-1.5 ft BGS Duplicate	SS-306 S-082203-MG-099 8/22/2003 0-0.5 ft BGS	SS-306 S-082203-MG-100 8/22/2003 1-1.5 ft BGS	B-301 S-082103-MG-098 8/21/2003 8-10 ft BGS	B-302 S-082103-MG-097 8/21/2003 6-8 ft BGS
Semivolatile Organic Compounds (mg/kg)																	
1,2,4-Trichlorobenzene 1,2-Dichlorobenzene	77 220	5.3 17	ND (0.33) ND (0.33) UJ	ND (0.33) ND (0.33) UJ	ND (0.33) ND (0.33) UJ	ND (0.33) ND (0.33) UJ	ND (0.33) ND (0.33) UJ	ND (0.33) ND (0.33) UJ	ND (0.33) ND (0.33) UJ	ND (0.33) UJ ND (0.33) UJ	ND (0.33) UJ ND (0.33) UJ	ND (0.33) UJ ND (0.33) UJ	ND (0.33) ND (0.33)	ND (0.33) UJ ND (0.33) UJ	ND (0.33) ND (0.33)	ND (0.33) ND (0.33)	ND (0.33) ND (0.33) UJ	ND (0.33) ND (0.33) UJ
1,3-Dichlorobenzene	2.7	0.2	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33) UJ	ND (0.33)	ND (0.33) UJ	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)
1,4-Dichlorobenzene	3.4	2.2	ND (0.33) UJ	ND (0.33) UJ	ND (0.33) UJ	ND (0.33) UJ	ND (0.33) UJ	ND (0.33) UJ	ND (0.33) UJ	ND (0.33)	ND (0.33)	ND (0.33) UJ	ND (0.33)	ND (0.33) UJ	ND (0.33)	ND (0.33)	ND (0.33) UJ	ND (0.33) UJ
2,2'-oxybis(1-Chloropropane)															()			
(bis(2-chloroisopropyl) ether) 2,4,5-Trichlorophenol	0.26 690	0.027 250	ND (0.33) ND (0.33)	ND (0.33) ND (0.33)	ND (0.33) ND (0.33)	ND (0.33) ND (0.33)	ND (0.33) ND (0.33)	ND (0.33) ND (0.33)	ND (0.33) ND (0.33)	ND (0.33) ND (0.33)	ND (0.33) ND (0.33)	ND (0.33) ND (0.33)	ND (0.33) ND (0.33)	ND (0.33) ND (0.33)	ND (0.33) ND (0.33)	ND (0.33) ND (0.33)	ND (0.33) ND (0.33)	ND (0.33) ND (0.33)
2,4,6-Trichlorophenol	0.2	0.07	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)
2,4-Dichlorophenol 2,4-Dimethylphenol	3 25	1.1 9	ND (0.33) ND (0.33)	ND (0.33) ND (0.33)	ND (0.33) ND (0.33)	ND (0.33) ND (0.33)	ND (0.33) ND (0.33)	ND (0.33) ND (0.33)	ND (0.33) ND (0.33)	ND (0.33) ND (0.33)	ND (0.33) ND (0.33)	ND (0.33) ND (0.33)	ND (0.33) ND (0.33)	ND (0.33) ND (0.33)	ND (0.33) ND (0.33)	ND (0.33) ND (0.33)	ND (0.33) ND (0.33)	ND (0.33) ND (0.33)
2,4-Dinitrophenol	0.82	0.29	ND (2.0) UJ	ND (2.0) UJ	ND (2.0) UJ	ND (2.0) ÚJ	ND (2.0) UJ	ND (2.0) ÚJ	ND (2.0)	ND (2.0) UJ	ND (2.0)	ND (2.0)	ND (2.0) UJ	ND (2.0) ÚJ				
2,4-Dinitrotoluene 2,6-Dinitrotoluene	*	*	ND (0.34) ND (0.34)	ND (0.34) ND (0.34)	ND (0.34) ND (0.34)	ND (0.34) ND (0.34)	ND (0.34) ND (0.34)	ND (0.33) ND (0.33)	ND (0.34) ND (0.34)	ND (0.33) ND (0.33)	ND (0.33) ND (0.33)	ND (0.33) ND (0.33)	ND (0.34) ND (0.34)	ND (0.34) ND (0.34)	ND (0.34) ND (0.34)	ND (0.34) ND (0.34)	ND (0.33) ND (0.33)	ND (0.34) ND (0.34)
2-Chloronaphthalene	560	42	ND (0.34) ND (0.33)	ND (0.34) ND (0.33)	ND (0.34) ND (0.33)	ND (0.34) ND (0.33)	ND (0.34) ND (0.33)	ND (0.33)	ND (0.34) ND (0.33)	ND (0.33) UJ	ND (0.33) UJ	ND (0.33) UJ	ND (0.34) ND (0.33)	ND (0.34) ND (0.33) UJ	ND (0.34)	ND (0.34) ND (0.33)	ND (0.33)	ND (0.34) ND (0.33)
2-Chlorophenol	10	0.75	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)
2-Methylnaphthalene 2-Methylphenol	210 39	16 14	ND (0.33) ND (0.33)	ND (0.33) ND (0.33)	ND (0.33) ND (0.33)	ND (0.33) ND (0.33)	ND (0.33) ND (0.33)	ND (0.33) ND (0.33)	ND (0.33) ND (0.33)	ND (0.33) ND (0.33)	ND (0.33) ND (0.33)	ND (0.33) ND (0.33)	ND (0.33) ND (0.33)	ND (0.33) ND (0.33)	ND (0.33) ND (0.33)	ND (0.33) ND (0.33)	ND (0.33) ND (0.33)	ND (0.33) ND (0.33)
2-Nitroaniline	0.036	0.013	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)
2-Nitrophenol 3,3'-Dichlorobenzidine	* 0.21	* 0.062	ND (0.33) ND (2.0)	ND (0.33) ND (2.0)	ND (0.33) ND (2.0)	ND (0.33) ND (2.0)	ND (0.33) ND (2.0)	ND (0.33) ND (2.0)	ND (0.33) ND (2.0)	ND (0.33) ND (2.0)	ND (0.33) ND (2.0)	ND (0.33) ND (2.0)	ND (0.33) ND (2.0)	ND (0.33) ND (2.0)	ND (0.33) ND (2.0)	ND (0.33) ND (2.0)	ND (0.33) ND (2.0)	ND (0.33) ND (2.0)
3-Nitroaniline	*	*	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)
4,6-Dinitro-2-methylphenol	*	*	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)
4-Bromophenyl phenyl ether 4-Chloro-3-methylphenol	*	*	ND (0.33) ND (0.33)	ND (0.33) ND (0.33)	ND (0.33) ND (0.33)	ND (0.33) ND (0.33)	ND (0.33) ND (0.33)	ND (0.33) ND (0.33)	ND (0.33) ND (0.33)	ND (0.33) ND (0.33)	ND (0.33) ND (0.33)	ND (0.33) ND (0.33)	ND (0.33) ND (0.33)	ND (0.33) ND (0.33)	ND (0.33) ND (0.33)	ND (0.33) ND (0.33)	ND (0.33) ND (0.33)	ND (0.33) ND (0.33)
4-Chloroaniline	2.7	0.97	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)
4-Chlorophenyl phenyl ether 4-Methylphenol	*	* 1.1	ND (0.33) ND (0.33)	ND (0.33) ND (0.33)	ND (0.33) ND (0.33)	ND (0.33) ND (0.33)	ND (0.33) ND (0.33)	ND (0.33) ND (0.33)	ND (0.33) ND (0.33)	ND (0.33) UJ ND (0.33) UJ	ND (0.33) UJ ND (0.33) UJ	ND (0.33) ND (0.33)	ND (0.33) ND (0.33)	ND (0.33) ND (0.33)	ND (0.33) ND (0.33)	ND (0.33) ND (0.33)	ND (0.33) ND (0.33)	ND (0.33) ND (0.33)
4-Nitroaniline	*	*	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)
4-Nitrophenol	*	*	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)
Acenaphthene Acenaphthylene	1200 180	130 18	ND (0.33) ND (0.33)	ND (0.33) ND (0.33)	ND (0.33) ND (0.33)	ND (0.33) ND (0.33)	ND (0.33) ND (0.33)	ND (0.33) ND (0.33)	ND (0.33) ND (0.33)	ND (0.33) UJ ND (0.33) UJ	ND (0.33) UJ ND (0.33) UJ	ND (0.33) UJ ND (0.33) UJ	ND (0.33) ND (0.33)	ND (0.33) UJ ND (0.33) UJ	ND (0.33) ND (0.33)	ND (0.33) ND (0.33)	ND (0.33) ND (0.33)	ND (0.33) ND (0.33)
Aniline	*	*	ND (1.0) UJ	ND (1.0) UJ	ND (1.0) UJ	ND (1.0) UJ	ND (1.0) UJ	ND (0.99) UJ	ND (1.0) UJ	ND (0.99)	ND (0.99)	ND (0.99) UJ	ND (1.0) UJ	ND (1.0) UJ	ND (1.0) UJ	ND (1.0)	ND (0.98) UJ	ND (1.0) UJ
Anthracene Benzo(a)anthracene	51 15	51 5	ND (0.33) UJ ND (0.33)	ND (0.33) UJ ND (0.33)	ND (0.33) UJ ND (0.33)	ND (0.33) UJ ND (0.33)	ND (0.33) UJ ND (0.33)	ND (0.33) UJ ND (0.33)	ND (0.33) UJ ND (0.33)	ND (0.33) UJ ND (0.33)	ND (0.33) UJ ND (0.33)	ND (0.33) UJ ND (0.33)	ND (0.33) ND (0.33)	ND (0.33) UJ ND (0.33)	ND (0.33) ND (0.33)	ND (0.33) ND (0.33)	ND (0.33) UJ ND (0.33)	ND (0.33) UJ ND (0.33)
Benzo(a)pyrene	1.5	0.50	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)
Benzo(b)fluoranthene	15 16	5 16	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)
Benzo(g,h,i)perylene Benzo(k)fluoranthene	39	39	ND (0.33) ND (0.33)	ND (0.33) ND (0.33)	ND (0.33) ND (0.33)	ND (0.33) ND (0.33)	ND (0.33) ND (0.33)	ND (0.33) ND (0.33)	ND (0.33) ND (0.33)	ND (0.33) ND (0.33)	ND (0.33) ND (0.33)	ND (0.33) ND (0.33)	ND (0.33) ND (0.33)	ND (0.33) ND (0.33)	ND (0.33) ND (0.33)	ND (0.33) ND (0.33)	ND (0.33) ND (0.33)	ND (0.33) ND (0.33)
Benzoic acid	1600	590	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)
Benzyl Alcohol bis(2-Chloroethoxy)methane	140	48	ND (0.33) ND (0.33)	ND (0.33) ND (0.33)	ND (0.33) ND (0.33)	ND (0.33) ND (0.33)	ND (0.33) ND (0.33)	ND (0.33) ND (0.33)	ND (0.33) ND (0.33)	ND (0.33) ND (0.33)	ND (0.33) ND (0.33)	ND (0.33) ND (0.33)	ND (0.33) ND (0.33)	ND (0.33) ND (0.33)	ND (0.33) ND (0.33)	ND (0.33) ND (0.33)	ND (0.33) ND (0.33)	ND (0.33) ND (0.33)
bis(2-Chloroethyl)ether	0.012	0.0007	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)
bis(2-Ethylhexyl)phthalate	980 310	300 310	ND (0.33) ND (0.33)	ND (0.33) ND (0.33)	ND (0.33) ND (0.33)	ND (0.33) ND (0.33)	ND (0.33) ND (0.33)	ND (0.33) ND (0.33)	ND (0.33) ND (0.33)	ND (0.33) ND (0.33)	ND (0.33) ND (0.33)	ND (0.33) ND (0.33)	ND (0.33) ND (0.33)	ND (0.33) ND (0.33)	ND (0.33) ND (0.33)	ND (0.33) ND (0.33) UJ	ND (0.33) ND (0.33)	ND (0.33) ND (0.33)
Butyl benzylphthalate Chrysene	25	25	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)
Dibenz(a,h)anthracene	1.5	0.5	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)
Dibenzofuran Diethyl phthalate	65 840	4.9 450	ND (0.33) ND (0.33) UJ	ND (0.33) ND (0.33) UJ	ND (0.33) ND (0.33) UJ	ND (0.33) ND (0.33) UJ	ND (0.33) ND (0.33) UJ	ND (0.33) ND (0.33) UJ	ND (0.33) ND (0.33) UJ	ND (0.33) ND (0.33) UJ	ND (0.33) ND (0.33) UJ	ND (0.33) ND (0.33) UJ	ND (0.33) ND (0.33)	ND (0.33) ND (0.33) UJ	ND (0.33) ND (0.33)	ND (0.33) ND (0.33)	ND (0.33) ND (0.33) UJ	ND (0.33) ND (0.33) UJ
Dimethyl phthalate	1100	1100	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)
Di-n-butylphthalate Di-n-octyl phthalate	760 2000	760 2000	ND (0.33) ND (0.34) UJ	ND (0.33) ND (0.34) UJ	ND (0.33) ND (0.34) UJ	ND (0.33) ND (0.34) UJ	ND (0.33) ND (0.34) UJ	ND (0.33) ND (0.33) UJ	ND (0.33) ND (0.34) UJ	ND (0.33) UJ ND (0.33)	ND (0.33) UJ ND (0.33)	ND (0.33) ND (0.33)	ND (0.33) ND (0.34)	ND (0.33) ND (0.34)	ND (0.33) ND (0.34)	ND (0.33) ND (0.34)	0.014 J ND (0.33) UJ	ND (0.33) ND (0.34) UJ
Fluoranthene	880	880	ND (0.33) UJ	ND (0.33) UJ	ND (0.34) UJ	ND (0.33)	ND (0.33) UJ	ND (0.33)	ND (0.33)	ND (0.33) UJ	ND (0.33) UJ							
Fluorene	1100	170	ND (0.33) UJ	ND (0.33) UJ	ND (0.33) UJ	ND (0.33) UJ	ND (0.33) UJ	ND (0.33) UJ	ND (0.33) UJ	ND (0.33) UJ	ND (0.33) UJ	ND (0.33) UJ	ND (0.33)	ND (0.33) UJ	ND (0.33)	ND (0.33)	ND (0.33) UJ	ND (0.33) UJ
Hexachlorobenzene Hexachlorobutadiene	3.9 44	2.2 16	ND (0.33) ND (0.33)	ND (0.33) ND (0.33)	ND (0.33) ND (0.33)	ND (0.33) ND (0.33)	ND (0.33) ND (0.33)	ND (0.33) ND (0.33)	ND (0.33) ND (0.33)	ND (0.33) ND (0.33)	ND (0.33) ND (0.33)	ND (0.33) ND (0.33) UJ	ND (0.33) ND (0.33)	ND (0.33) ND (0.33) UJ	ND (0.33) ND (0.33)	ND (0.33) ND (0.33)	ND (0.33) ND (0.33)	ND (0.33) ND (0.33)
Hexachlorocyclopentadiene	720	400	ND (0.34)	ND (0.34)	ND (0.34)	ND (0.34)	ND (0.34)	ND (0.33)	ND (0.34)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.34)	ND (0.33)	ND (0.34)	ND (0.34)	ND (0.33)	ND (0.34)
Hexachloroethane Indeno(1,2,3-cd)pyrene	7.7 3.1	2.8 3.1	ND (0.33) ND (0.33)	ND (0.33) ND (0.33)	ND (0.33) ND (0.33)	ND (0.33) ND (0.33)	ND (0.33) ND (0.33)	ND (0.33) ND (0.33)	ND (0.33) ND (0.33)	ND (0.33) UJ ND (0.33)	ND (0.33) UJ ND (0.33)	ND (0.33) UJ ND (0.33)	ND (0.33) ND (0.33)	ND (0.33) UJ ND (0.33)	ND (0.33) ND (0.33)	ND (0.33) ND (0.33)	ND (0.33) ND (0.33)	ND (0.33) ND (0.33)
Isophorone	18	5.3	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)
Naphthalene Nitrobenzene	170 0.34	0.7 0.028	ND (0.33) UJ ND (0.33)	ND (0.33) UJ	ND (0.33) UJ ND (0.33)	ND (0.33) UJ	ND (0.33) UJ	ND (0.33) UJ	ND (0.33) UJ	ND (0.33)	ND (0.33) UJ	ND (0.33)	ND (0.33) ND (0.33)	ND (0.33) UJ ND (0.33)	ND (0.33) UJ			
N-Nitrosodimethylamine	*	*	ND (0.33) ND (2.0)	ND (0.33) ND (2.0)	ND (2.0)	ND (0.55) ND (2.0)	ND (0.55) ND (2.0)	ND (0.55) ND (2.0)	ND (0.33) ND (2.0)	ND (0.33) ND (2.0)	ND (0.33) ND (2.0)	ND (0.33) ND (2.0)	ND (0.33) ND (2.0)					
N-Nitrosodi-n-propylamine	0.002	0.0006	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)
N-Nitrosodiphenylamine Pentachlorophenol	32 0.66	9.7 0.028	ND (0.33) ND (2.0)	ND (0.33) ND (2.0)	ND (0.33) ND (2.0)	ND (0.33) ND (2.0)	ND (0.33) ND (2.0)	ND (0.33) ND (2.0)	ND (0.33) ND (2.0)	ND (0.33) UJ ND (2.0)	ND (0.33) UJ ND (2.0)	ND (0.33) ND (2.0)	ND (0.33) ND (2.0)	ND (0.33) ND (2.0)	ND (0.33) ND (2.0)	ND (0.33) ND (2.0)	ND (0.33) ND (2.0)	ND (0.33) ND (2.0)
Phenanthrene	170	13	ND (0.33) UJ	ND (0.33) UJ	ND (0.33) UJ	ND (0.33) UJ	ND (0.33) UJ	ND (0.33) UJ	ND (0.33) UJ	ND (0.33) UJ	ND (0.33) UJ	ND (0.33) UJ	ND (0.33)	ND (0.33) UJ	ND (0.33)	ND (0.33)	ND (0.33) UJ	ND (0.33) UJ
Phenol Pyrene	160 570	56 570	ND (0.33) ND (0.33)	ND (0.33) ND (0.33)	ND (0.33) ND (0.33)	ND (0.33) ND (0.33)	ND (0.33) ND (0.33)	ND (0.33) ND (0.33)	ND (0.33) ND (0.33)	ND (0.33) ND (0.33)	ND (0.33) ND (0.33)	ND (0.33) ND (0.33)	ND (0.33) ND (0.33)	ND (0.33) ND (0.33)	ND (0.33) ND (0.33)	ND (0.33) ND (0.33)	ND (0.33) ND (0.33)	ND (0.33) ND (0.33)
1 yrene	370	370	1412 (0.33)	1412 (0.55)	1412 (0.33)	1412 (0.55)	1412 (0.33)	1412 (0.33)	1412 (0.33)	140 (0.33)	ND (0.33)	140 (0.33)	140 (0.33)	1412 (0.33)	1412 (0.55)	140 (0.33)	140 (0.33)	140 (0.33)

Notes:

IDEM - Indiana Department of Environmental Management
RISC - Risk Integrated System of Closure
IDCL - Industrial Default Closure Level
RDCL - Residential Default Closure Level
* - Criteria not established for this analyte.
- - Not Analyzed
BGS - below ground surface
mg/kg - milligrams per kilogram
ND(1.1) - Analyte not detected at quantitation limit in parenthesis.
J - The associated value is an estimated quantity.
UJ - The material was analyzed for, but was not detected. The associated value is an estimate and may be inaccurate or imprecise.

TABLE 4.14a

SUMMARY OF SHALLOW SUBSURFACE SOIL METALS ANALYTICAL DATA - SWMU 3 RADIO MATERIALS CORPORATION ATTICA, INDIANA

Sample Location: Sample ID: Sample Date: Sample Depth:	IDEM RISC IDCL a	IDEM RISC RDCL b	Background Surface c	SS-301 S-082103-MG-090 8/21/2003 0-0.5 ft BGS	SS-301 S-082103-MG-091 8/21/2003 0-0.5 ft BGS Duplicate	SS-302 S-082103-MG-093 8/21/2003 0-0.5 ft BGS	SS-303 S-082103-MG-095 8/21/2003 0-0.5 ft BGS	SS-304 S-082203-MG-104 8/22/2003 0-0.5 ft BGS	SS-305 S-082203-MG-101 8/22/2003 0-0.5 ft BGS	SS-306 S-082203-MG-099 8/22/2003 0-0.5 ft BGS
Metals (mg/kg)										
Aluminum	*	*	17777	13800	9040	14800	16800	10500	12300	8020 J
Antimony	37	5.4	0.606	0.07 J	0.07 J	0.12 J	0.07 J	0.05 J	ND (0.06) UJ	0.07 J
Arsenic	20	3.9	17.9	4.6^{b}	5.6 ^b	9.4 ^b	6.2 ^b	5.6 ^b	5.7 ^b	4.8 ^b
Barium	5900	1600	897	95.8	126	104	100	102	122	121
Beryllium	2300	63	0.700	0.42	0.43	0.49	0.51	0.48	0.58	0.5
Cadmium	77	7.5	0.513	0.1	0.13	0.09	0.1	0.23	0.11	0.2
Calcium	*	*	361389	2770	12600	4230	22400	21500	1480	1980 J
Chromium Total	120	38	25.0	16.3	11.6	15.9	19	15	13.9	11.7 J
Cobalt	*	*	14.7	8.8	10.3	8.8	8.2	8.8	12.5	11.4
Copper	2700	920	25.1	9.7	10.4	12.9	11	10.3	10.2	9.6 J
Cyanide (total)	*	*	-							
Iron	*	*	22420	18400	14100	20200	21600	27700°	17000	14500
Lead	230	81	48.2	14.5	14.7	15.6	14.5	15.1	16.7	15.6
Magnesium	*	*	39600	2590	6970	3570	14200	12700	2040	1800 J
Manganese	*	*	2276	688	1310	570	725	1000	861	1210
Mercury	32	2.1	0.07	0.03	0.02	0.02	0.03	0.03	0.02	0.03
Nickel	2700	950	36.07	11.5	13.1	16	17.4	17.3	14.6	13.5
Potassium	*	*	2338	941	733	861	1080	825	785	797
Selenium	53	5.2	-	ND (1.2)	ND (1.2)	ND (1.1)	ND (1.2)	ND (1)	ND (1.2)	ND (1.2)
Silver	87	31	1.07	0.04	0.05	0.03	0.04	0.12	0.03	0.04
Sodium	*	*	153.1	97.5	98.4	128	98.6	42.7	51.5	32.8
Thallium	10	2.8	0.38	0.19	0.2	0.25	0.2	0.22	0.22	0.21
Vanadium	*	*	33.7	21.1	22.2	27.3	24.6	23.3	22.9	20.6 J
Zinc	10000	10000	151	49.9	46.1	51.4	117	63	46.6	44.7

Notes:

IDEM - Indiana Department of Environmental Management

RISC - Risk Integrated System of Closure

IDCL - Industrial Default Closure Level

RDCL - Residential Default Closure Level

* - Criteria not established for this analyte.

-- - Not Analyzed

BGS - below ground surface

mg/kg - milligrams per kilogram

ND(1.1) - Analyte not detected at quantitation limit in parenthesis.

J - The associated value is an estimated quantity.

TABLE 4.14 b

SUMMARY OF DEEP SUBSURFACE SOIL METALS ANALYTICAL DATA - SWMU 3 RADIO MATERIALS CORPORATION ATTICA, INDIANA

Sample Location: Sample ID: Sample Date: Sample Depth:	IDEM RISC IDCL a	IDEM RISC RDCL b	Background Subsurface c	SS-301 S-082103-MG-092 8/21/2003 1-1.5 ft BGS	SS-302 S-082103-MG-094 8/21/2003 1-1.5 ft BGS	SS-303 S-082103-MG-096 8/21/2003 1-1.5 ft BGS	SS-304 S-082203-MG-105 8/22/2003 1-1.5 ft BGS	SS-305 S-082203-MG-102 8/22/2003 1-1.5 ft BGS	SS-305 S-082203-MG-103 8/22/2003 1-1.5 ft BGS Duplicate	SS-306 S-082203-MG-100 8/22/2003 1-1.5 ft BGS	B-301 S-082103-MG-098 8/21/2003 8-10 ft BGS	B-302 S-082103-MG-097 8/21/2003 6-8 ft BGS
Metals (mg/kg)												
Aluminum	*	*	27562	19300	23400	12900 J	24900	20700	20600	17100	2560	2380
Antimony	37	5.4	0.252	0.17 J	0.09 J	0.1 J	0.07 J	ND (0.06) UJ	ND (0.06) UJ	0.06 J	0.12 J	0.12 J
Arsenic	20	3.9	10.6	9^{b}	9.5 ^b	7.6 ^b	15.3 ^{bc}	7.7 ^b	7.9 ^b	10.3 ^b	6.1 ^b	9.4 ^b
Barium	5900	1600	181	96.7	119	84.8 J	148	107	128	144	12	10.2
Beryllium	2300	63	0.86	0.65	0.61	0.52	0.74	0.57	0.66	0.76	0.12	0.12
Cadmium	77	7.5	0.341	0.09	0.12	0.16	0.14	0.09	0.11	0.16	0.14	0.13
Calcium	*	*	147894	3220	5120	2090 J	5610	1780	1760	3710	83200	102000
Chromium Total	120	38	34.6	21.7	25.2	18	25.8	23.6	21.6	21.6	7.6	3.9
Cobalt	*	*	16.6	10.4	8.1	9.5	10.2	11.3	11.6	12.8	3.1	2.7
Copper	2700	920	24.0	21.5	20	13.4 J	24.7°	13.1	14.6	19.2	10.4	11.1
Cyanide (total)	*	*	-									
Iron	*	*	40017	29100	33600	21300	38400	24300	23500	27400	13400	11300
Lead	230	81	40.8	18	20.3	14.9	24.9	17.3	17.6	24.3	9.87	14.4
Magnesium	*	*	48865	3190	4350	3570 J	3690	3230	2980	3050	28900	36900
Manganese	*	*	1360	633	604	631	546	611	586	836	544	372
Mercury	32	2.1	0.101	0.04	0.05	0.03	0.05	0.03	0.03	0.05	ND (0.02)	ND (0.02)
Nickel	2700	950	44.4	22.4	28.4	15.3 J	25.9	17.4	19.4	25.7	21.2	24.3
Potassium	*	*	2479	914	1420	807	1180	1520	1440	1100	446	ND (448)
Selenium	53	5.2	-	ND (1.2)	ND (1.2)	ND (1.1)	ND (1.1)					
Silver	87	31	0.132	0.03	0.05	0.03	0.05	0.03	0.04	0.04	ND (0.02)	ND (0.02)
Sodium	*	*	177	102	81.8	55.3	46.5	62.4	63.9	45	93.5	150
Thallium	10	2.8	0.41	0.29	0.36	0.24	0.37	0.26	0.28	0.3	0.15	0.14
Vanadium	*	*	36.3	32.4	29.4	21.8 J	32.8	25.8	30	33.4	8.4	6.7
Zinc	10000	10000	120	69.3	89.9	206 J ^c	99.9	63.3	62.6	72.1	53.7	39.6

Notes:

IDEM - Indiana Department of Environmental Management

RISC - Risk Integrated System of Closure

IDCL - Industrial Default Closure Level

RDCL - Residential Default Closure Level

* - Criteria not established for this analyte.

-- - Not Analyzed

BGS - below ground surface

mg/kg - milligrams per kilogram

ND(1.1) - Analyte not detected at quantitation limit in parenthesis.

J - The associated value is an estimated quantity.

SUMMARY OF SURFACE SOIL VOC ANALYTICAL DATA - SWMU 5 RADIO MATERIALS CORPORATION ATTICA, INDIANA

Sample Location: Sample ID:	IDEM	IDEM	B-512 SS-090204-MG-001	B-515 SS-090204-MG-003	B-515 SS-090204-MG-004	B-516 SS-090204-MG-005	B-517 SS-090204-MG-006	B-521 SS-090204-MG-010	B-522 SS-090204-MG-009	B-523 SS-090204-MG-008	B-524 SS-090204-MG-007	B-528 SS-090204-MG-011	B-537 SS-090204-MG-002
Sample Date: Sample Depth:	RISC IDCL	RISC RDCL	9/2/2004 0-0.5 ft BGS	9/2/2004 0-0.5 ft BGS	9/2/2004 0-0.5 ft BGS	9/2/2004 0-0.5 ft BGS	9/2/2004 0-0.5 ft BGS	9/2/2004 0-0.5 ft BGS	9/2/2004 0-0.5 ft BGS	9/2/2004 0-0.5 ft BGS	9/2/2004 0-0.5 ft BGS	9/2/2004 0-0.5 ft BGS	9/2/2004 0-0.5 ft BGS
оштри Верт.	а	b	0-0.5 jt BG5	0-0.5 Jt BG5	Duplicate	0-0.5 Jt BG5	0-0.5 jt BG5	0-0.5 jt BG5	0-0.5 jt BG5	0-0.5 Jt BG5	0-0.5 jt BG5	0-0.5 jt BG5	0-0.5 Jt BG5
Volatile Organic Compounds (mg/kg)													
1,1,1,2-Tetrachloroethane	0.85	0.053	ND (0.0061)	ND (0.0065)	ND (0.0077)	ND (0.007)	ND (0.0073)	ND (0.0078)	ND (0.0069)	ND (0.0069)	ND (0.0069)	ND (0.0072)	ND (0.0072)
1,1,1-Trichloroethane	280	1.9	ND (0.0061)	ND (0.0065)	ND (0.0077)	ND (0.007)	ND (0.0073)	ND (0.0078)	ND (0.0069)	ND (0.0069)	ND (0.0069)	ND (0.0072)	ND (0.0072)
1,1,2,2-Tetrachloroethane	0.11	0.007	ND (0.0061)	ND (0.0065)	ND (0.0077)	ND (0.007)	ND (0.0073)	ND (0.0078)	ND (0.0069)	ND (0.0069)	ND (0.0069)	ND (0.0072)	ND (0.0072)
1,1,2-Trichloroethane 1,1-Dichloroethane	0.3 58	0.03 5.6	ND (0.0061) ND (0.0061)	ND (0.0065) ND (0.0065)	ND (0.0077) ND (0.0077)	ND (0.007) ND (0.007)	ND (0.0073) ND (0.0073)	ND (0.0078) ND (0.0078)	ND (0.0069) ND (0.0069)	ND (0.0069) ND (0.0069)	ND (0.0069) ND (0.0069)	ND (0.0072) ND (0.0072)	ND (0.0072) ND (0.0072)
1,1-Dichloroethene	42	0.058	ND (0.0061)	ND (0.0065)	ND (0.0077)	ND (0.007)	ND (0.0073)	ND (0.0078)	ND (0.0069)	ND (0.0069)	ND (0.0069)	ND (0.0072)	ND (0.0072)
1,1-Dichloropropene	*	*	ND (0.0061)	ND (0.0065)	ND (0.0077)	ND (0.007)	ND (0.0073)	ND (0.0078)	ND (0.0069)	ND (0.0069)	ND (0.0069)	ND (0.0072)	ND (0.0072)
1,2,3-Trichlorobenzene	*	*	ND (0.0061)	ND (0.0065)	ND (0.0077)	ND (0.007)	ND (0.0073)	ND (0.0078)	ND (0.0069)	ND (0.0069)	ND (0.0069)	ND (0.0072)	ND (0.0072)
1,2,3-Trichloropropane	*	*	ND (0.0061)	ND (0.0065)	ND (0.0077)	ND (0.007)	ND (0.0073)	ND (0.0078)	ND (0.0069)	ND (0.0069)	ND (0.0069)	ND (0.0072)	ND (0.0072)
1,2,4-Trichlorobenzene 1,2,4-Trimethylbenzene	77 170	5.3 2.5	ND (0.025) ND (0.025)	ND (0.026) ND (0.026)	ND (0.031) ND (0.031)	ND (0.028) ND (0.028)	ND (0.03) ND (0.03)	ND (0.032) ND (0.032)	ND (0.028) ND (0.028)	ND (0.028) ND (0.028)	ND (0.028) ND (0.028)	ND (0.029) ND (0.029)	ND (0.029) ND (0.029)
1,2-Dibromo-3-chloropropane (DBCP)	*	*	ND (0.025)	ND (0.026)	ND (0.031)	ND (0.028)	ND (0.03) ND (0.03)	ND (0.032)	ND (0.028)	ND (0.028)	ND (0.028)	ND (0.029)	ND (0.029)
1,2-Dibromoethane (Ethylene Dibromide)	*	*	ND (0.0061)	ND (0.0065)	ND (0.0077)	ND (0.007)	ND (0.0073)	ND (0.0078)	ND (0.0069)	ND (0.0069)	ND (0.0069)	ND (0.0072)	ND (0.0072)
1,2-Dichlorobenzene	220	17	ND (0.0061)	ND (0.0065)	ND (0.0077)	ND (0.007)	ND (0.0073)	ND (0.0078)	ND (0.0069)	ND (0.0069)	ND (0.0069)	ND (0.0072)	ND (0.0072)
1,2-Dichloroethane	0.15	0.024	ND (0.0061)	ND (0.0065)	ND (0.0077)	ND (0.007)	ND (0.0073)	ND (0.0078)	ND (0.0069)	ND (0.0069)	ND (0.0069)	ND (0.0072)	ND (0.0072)
1,2-Dichloropropane	0.25	0.03	ND (0.0061)	ND (0.0065)	ND (0.0077)	ND (0.007)	ND (0.0073)	ND (0.0078)	ND (0.0069)	ND (0.0069)	ND (0.0069)	ND (0.0072)	ND (0.0072)
1,3,5-Trimethylbenzene 1,3-Dichlorobenzene	68 2.7	0.61 0.2	ND (0.0061) ND (0.0061)	ND (0.0065) ND (0.0065)	ND (0.0077) ND (0.0077)	ND (0.007) ND (0.007)	ND (0.0073) ND (0.0073)	ND (0.0078) ND (0.0078)	ND (0.0069) ND (0.0069)	ND (0.0069) ND (0.0069)	ND (0.0069) ND (0.0069)	ND (0.0072) ND (0.0072)	ND (0.0072) ND (0.0072)
1,3-Dichloropropane	*	*	ND (0.0061) ND (0.0061)	ND (0.0065)	ND (0.0077)	ND (0.007)	ND (0.0073)	ND (0.0078)	ND (0.0069)	ND (0.0069)	ND (0.0069)	ND (0.0072) ND (0.0072)	ND (0.0072) ND (0.0072)
1,4-Dichlorobenzene	3.4	2.2	ND (0.0061)	ND (0.0065)	ND (0.0077)	ND (0.007)	ND (0.0073)	ND (0.0078)	ND (0.0069)	ND (0.0069)	ND (0.0069)	ND (0.0072)	ND (0.0072)
2,2-Dichloropropane	*	*	ND (0.0061)	ND (0.0065)	ND (0.0077)	ND (0.007)	ND (0.0073)	ND (0.0078)	ND (0.0069)	ND (0.0069)	ND (0.0069)	ND (0.0072)	ND (0.0072)
2-Butanone (Methyl Ethyl Ketone)	250	35	ND (0.025) UJ	ND (0.026) UJ	ND (0.031) UJ	ND (0.028) UJ	ND (0.03) UJ	ND (0.032) UJ	ND (0.028) UJ	ND (0.028) UJ	ND (0.028) UJ	ND (0.029) UJ	ND (0.029) UJ
2-Chlorotoluene	*	*	ND (0.025)	ND (0.026)	ND (0.031)	ND (0.028)	ND (0.03)	ND (0.032)	ND (0.028)	ND (0.028)	ND (0.028)	ND (0.029)	ND (0.029)
2-Hexanone 2-Phenylbutane (sec-Butylbenzene)	*	*	ND (0.025) ND (0.025)	ND (0.026)	ND (0.031)	ND (0.028)	ND (0.03)	ND (0.032)	ND (0.028)	ND (0.028)	ND (0.028)	ND (0.029)	ND (0.029)
4-Chlorotoluene	*	*	ND (0.025) ND (0.025)	ND (0.026) ND (0.026)	ND (0.031) ND (0.031)	ND (0.028) ND (0.028)	ND (0.03) ND (0.03)	ND (0.032) ND (0.032)	ND (0.028) ND (0.028)	ND (0.028) ND (0.028)	ND (0.028) ND (0.028)	ND (0.029) ND (0.029)	ND (0.029) ND (0.029)
4-Methyl-2-Pentanone			112 (0.020)	112 (0.020)	112 (0.001)	112 (0.020)	142 (0.00)	112 (0.002)	112 (0.020)	112 (0.020)	112 (0.020)	115 (0.025)	115 (0.025)
(Methyl Isobutyl Ketone)	75	20	ND (0.025)	ND (0.026)	ND (0.031)	ND (0.028)	ND (0.03)	ND (0.032)	ND (0.028)	ND (0.028)	ND (0.028)	ND (0.029)	ND (0.029)
Acetone	370	3.8	ND (0.025)	ND (0.026)	ND (0.031)	ND (0.028)	ND (0.03)	ND (0.032)	ND (0.028)	ND (0.028)	ND (0.028)	ND (0.029)	ND (0.029)
Benzene	0.35	0.034	ND (0.0061)	ND (0.0065)	ND (0.0077)	ND (0.007)	ND (0.0073)	ND (0.0078)	ND (0.0069)	ND (0.0069)	ND (0.0069)	ND (0.0072)	ND (0.0072)
Bromobenzene Bromodichloromethane	0.51	0.51	ND (0.0061) ND (0.0061)	ND (0.0065) ND (0.0065)	ND (0.0077) ND (0.0077)	ND (0.007) ND (0.007)	ND (0.0073) ND (0.0073)	ND (0.0078) ND (0.0078)	ND (0.0069) ND (0.0069)	ND (0.0069) ND (0.0069)	ND (0.0069) ND (0.0069)	ND (0.0072) ND (0.0072)	ND (0.0072) ND (0.0072)
Bromoform	2.7	0.6	ND (0.0061) ND (0.0061)	ND (0.0065) ND (0.0065)	ND (0.0077) ND (0.0077)	ND (0.007) ND (0.007)	ND (0.0073) ND (0.0073)	ND (0.0078) ND (0.0078)	ND (0.0069) ND (0.0069)	ND (0.0069) ND (0.0069)	ND (0.0069) ND (0.0069)	ND (0.0072) ND (0.0072)	ND (0.0072) ND (0.0072)
Bromomethane (Methyl Bromide)	0.7	0.052	ND (0.0061)	ND (0.0065)	ND (0.0077)	ND (0.007)	ND (0.0073)	ND (0.0078)	ND (0.0069)	ND (0.0069)	ND (0.0069)	ND (0.0072)	ND (0.0072)
Carbon disulfide	82	10	ND (0.0061)	ND (0.0065)	ND (0.0077)	ND (0.007)	ND (0.0073)	ND (0.0078)	ND (0.0069)	ND (0.0069)	ND (0.0069)	ND (0.0072)	ND (0.0072)
Carbon tetrachloride	0.29	0.066	ND (0.0061)	ND (0.0065)	ND (0.0077)	ND (0.007)	ND (0.0073)	ND (0.0078)	ND (0.0069)	ND (0.0069)	ND (0.0069)	ND (0.0072)	ND (0.0072)
Chlorobenzene	27	1.3	ND (0.0061)	ND (0.0065)	ND (0.0077)	ND (0.007)	ND (0.0073)	ND (0.0078)	ND (0.0069)	ND (0.0069)	ND (0.0069)	ND (0.0072)	ND (0.0072)
Chlorobromomethane Chloroethane	10	0.65	ND (0.0061) ND (0.0061)	ND (0.0065) ND (0.0065)	ND (0.0077) ND (0.0077)	ND (0.007) ND (0.007)	ND (0.0073) ND (0.0073)	ND (0.0078) ND (0.0078)	ND (0.0069) ND (0.0069)	ND (0.0069) ND (0.0069)	ND (0.0069) ND (0.0069)	ND (0.0072) ND (0.0072)	ND (0.0072) ND (0.0072)
Chloroform (Trichloromethane)	1.2	0.63	ND (0.0061) ND (0.0061)	ND (0.0065)	ND (0.0077)	ND (0.007)	ND (0.0073)	ND (0.0078)	ND (0.0069)	ND (0.0069)	ND (0.0069)	ND (0.0072) ND (0.0072)	ND (0.0072)
Chloromethane (Methyl Chloride)	*	*	ND (0.0061)	ND (0.0065)	ND (0.0077)	ND (0.007)	ND (0.0073)	ND (0.0078)	ND (0.0069)	ND (0.0069)	ND (0.0069)	ND (0.0072)	ND (0.0072)
cis-1,2-Dichloroethene	5.8	0.4	ND (0.0061)	0.0011 J	ND (0.0077)	ND (0.007)	ND (0.0073)	ND (0.0078)	ND (0.0069)	ND (0.0069)	ND (0.0069)	ND (0.0072)	ND (0.0072)
cis-1,3-Dichloropropene	*	*	ND (0.0061)	ND (0.0065)	ND (0.0077)	ND (0.007)	ND (0.0073)	ND (0.0078)	ND (0.0069)	ND (0.0069)	ND (0.0069)	ND (0.0072)	ND (0.0072)
Cymene (p-Isopropyltoluene)	*	*	ND (0.025)	ND (0.026)	ND (0.031)	ND (0.028)	ND (0.03)	ND (0.032)	ND (0.028)	ND (0.028)	ND (0.028)	ND (0.029)	ND (0.029)
Dibromochloromethane Dibromomethane	*	*	ND (0.0061) ND (0.0061)	ND (0.0065) ND (0.0065)	ND (0.0077) ND (0.0077)	ND (0.007) ND (0.007)	ND (0.0073) ND (0.0073)	ND (0.0078) ND (0.0078)	ND (0.0069) ND (0.0069)	ND (0.0069) ND (0.0069)	ND (0.0069) ND (0.0069)	ND (0.0072) ND (0.0072)	ND (0.0072) ND (0.0072)
Dichlorodifluoromethane (CFC-12)	*	*	ND (0.0061)	ND (0.0065)	ND (0.0077)	ND (0.007)	ND (0.0073)	ND (0.0078)	ND (0.0069)	ND (0.0069)	ND (0.0069)	ND (0.0072)	ND (0.0072)
Ethylbenzene	160	13	ND (0.0061)	ND (0.0065)	ND (0.0077)	ND (0.007)	ND (0.0073)	ND (0.0078)	ND (0.0069)	ND (0.0069)	ND (0.0069)	ND (0.0072)	ND (0.0072)
Hexachlorobutadiene	44	16	ND (0.025)	ND (0.026)	ND (0.031)	ND (0.028)	ND (0.03)	ND (0.032)	ND (0.028)	ND (0.028)	ND (0.028)	ND (0.029)	ND (0.029)
Isopropylbenzene	*	*	ND (0.0061)	ND (0.0065)	ND (0.0077)	ND (0.007)	ND (0.0073)	ND (0.0078)	ND (0.0069)	ND (0.0069)	ND (0.0069)	ND (0.0072)	ND (0.0072)
m&p-Xylene Methylene chloride	1.8	0.022	ND (0.0061) ND (0.013)	ND (0.0065)	ND (0.0077)	ND (0.007)	ND (0.0073) ND (0.015)	ND (0.0078)	ND (0.0069)	ND (0.0069)	ND (0.0069)	ND (0.0072)	ND (0.0072)
Naphthalene	170	0.023	ND (0.0061)	ND (0.013) ND (0.0065)	ND (0.016) ND (0.0077)	ND (0.014) ND (0.007)	ND (0.013)	ND (0.016) 0.0054 J	ND (0.014) ND (0.0069)	ND (0.014) ND (0.0069)	ND (0.014) ND (0.0069)	ND (0.015) 0.003 J	ND (0.015) ND (0.0072)
n-Butylbenzene	*	*	ND (0.025)	ND (0.026)	ND (0.031)	ND (0.028)	ND (0.03)	ND (0.032)	ND (0.028)	ND (0.028)	ND (0.028)	ND (0.029)	ND (0.029)
n-Propylbenzene	*	*	ND (0.025)	ND (0.026)	ND (0.031)	ND (0.028)	ND (0.03)	ND (0.032)	ND (0.028)	ND (0.028)	ND (0.028)	ND (0.029)	ND (0.029)
o-Xylene	*	*	ND (0.0061)	ND (0.0065)	ND (0.0077)	ND (0.007)	ND (0.0073)	ND (0.0078)	ND (0.0069)	ND (0.0069)	ND (0.0069)	ND (0.0072)	ND (0.0072)
Styrene	550	3.5	ND (0.0061)	ND (0.0065)	ND (0.0077)	ND (0.007)	ND (0.0073)	ND (0.0078)	ND (0.0069)	ND (0.0069)	ND (0.0069)	ND (0.0072)	ND (0.0072)
tert-Butylbenzene Tetrachloroethene	* 0.64	0.058	ND (0.025) ND (0.0061)	ND (0.026) 0.0033 J	ND (0.031)	ND (0.028)	ND (0.03) 0.011	ND (0.032) ND (0.0078)	ND (0.028) ND (0.0069)	ND (0.028)	ND (0.028)	ND (0.029)	ND (0.029) ND (0.0072)
Toluene	240	12	ND (0.0061) ND (0.0061)	0.0033 J ND (0.0065)	0.0019 J ND (0.0077)	ND (0.007) ND (0.007)	0.011 ND (0.0073)	ND (0.0078) ND (0.0078)	ND (0.0069) ND (0.0069)	ND (0.0069) ND (0.0069)	ND (0.0069) ND (0.0069)	ND (0.0072) ND (0.0072)	ND (0.0072) ND (0.0072)
trans-1,2-Dichloroethene	14	0.68	ND (0.0061)	ND (0.0065)	ND (0.0077)	ND (0.007)	ND (0.0073)	ND (0.0078)	ND (0.0069)	ND (0.0069)	ND (0.0069)	ND (0.0072)	ND (0.0072)
trans-1,3-Dichloropropene	*	*	ND (0.0061)	ND (0.0065)	ND (0.0077)	ND (0.007)	ND (0.0073)	ND (0.0078)	ND (0.0069)	ND (0.0069)	ND (0.0069)	ND (0.0072)	ND (0.0072)
Trichloroethene	0.082	0.057	ND (0.0061)	0.04	0.015	ND (0.007)	0.02	ND (0.0078)	ND (0.0069)	ND (0.0069)	ND (0.0069)	ND (0.0072)	ND (0.0072)
Trichlorofluoromethane (CFC-11)	0.010	0.012	ND (0.0061)	ND (0.0065)	ND (0.0077)	ND (0.007)	ND (0.0073)	ND (0.0078)	ND (0.0069)	ND (0.0069)	ND (0.0069)	ND (0.0072)	ND (0.0072)
Vinyl chloride	0.013	0.013	ND (0.0061)	ND (0.0065)	ND (0.0077)	ND (0.007)	ND (0.0073)	ND (0.0078)	ND (0.0069)	ND (0.0069)	ND (0.0069)	ND (0.0072)	ND (0.0072)

Notes:

IDEM - Indiana Department of Environmental Management
RISC - Risk Integrated System of Closure
IDCL - Industrial Default Closure Level
RDCL - Residential Default Closure Level

RDCL - Residential Detaurt Closure Level

- Criteria not established for this analyte.

- Not Analyzed
BGS - below ground surface
mg/kg - milligrams per kilogram
ND(1.1) - Analyte not detected at quantitation limit in parenthesis.

SUMMARY OF SURFACE SOIL METALS ANALYTICAL DATA - SWMU 5 RADIO MATERIALS CORPORATION ATTICA, INDIANA

Sample Location: Sample ID: Sample Date: Sample Depth:	IDEM RISC IDCL a	IDEM RISC RDCL b	Background Surface c	B-512 SS-090204-MG-001 9/2/2004 0-0.5 ft BGS	B-515 SS-090204-MG-003 9/2/2004 0-0.5 ft BGS	B-515 SS-090204-MG-004 9/2/2004 0-0.5 ft BGS Duplicate	B-516 SS-090204-MG-005 9/2/2004 0-0.5 ft BGS	B-517 SS-090204-MG-006 9/2/2004 0-0.5 ft BGS	B-521 SS-090204-MG-010 9/2/2004 0-0.5 ft BGS	B-522 SS-090204-MG-009 9/2/2004 0-0.5 ft BGS	B-523 SS-090204-MG-008 9/2/2004 0-0.5 ft BGS	B-524 SS-090204-MG-007 9/2/2004 0-0.5 ft BGS	B-528 SS-090204-MG-011 9/2/2004 0-0.5 ft BGS	B-537 SS-090204-MG-002 9/2/2004 0-0.5 ft BGS
Metals (mg/kg)														
Aluminum	*	*	17777	9650	7770	7810	10200	8780	8420	9020	11000	5970	7850	5510
Antimony	37	5.4	0.606	0.24 J	0.18 J	0.16 J	0.17 J	0.2 J	0.24 J	0.18 J	0.24 J	0.18 J	0.22 J	0.18 J
Arsenic	20	3.9	17.9	5.38 J ^b	3.93 J ^b	4.37 J ^b	4.47 J ^b	4.38 J ^b	5.24 J ^b	3.76 J	$4.72 J^{b}$	4.17 J ^b	5.97 J ^b	5.05 J ^b
Barium	5900	1600	897	87.7	98.6	94.1	142	133	102	145	96	52.3	73.4	58.8
Beryllium	2300	63	0.700	0.403 J	0.406 J	0.457 J	0.489 J	0.487 J	0.324 J	0.409 J	0.368 J	0.229 J	0.385 J	0.304 J
Cadmium	77	7.5	0.513	0.162	0.212	0.222	0.291	0.304	0.192	0.289	0.175	0.129	0.143	0.405
Calcium	*	*	361389	3290	3200	2450	2540	1950	20700	1850	3060	76700	18600	38100
Chromium Total	120	38	25.0	13.3	11.7	11.7	14.8	12.3	14.4	12.9	15.3	9	13.2	9.4
Cobalt	*	*	14.7	8.6	8.5	7.3	10.3	9.7	10.9	10.9	8.9	5	7.7	6.1
Copper	2700	920	25.1	12.3 J	9.6 J	10.9 J	11.3 J	11.4 J	12.7 J	9.68 J	10.6 J	9.09 J	14.2 J	11.1 J
Cyanide (total)	*	*	-											
Iron	*	*	22420	18700	14900	14200	18200	15700	18900	15600	20100	12200	17700	13700
Lead	230	81	48.2	11.2	12.4	11.8	14.8	14.3	14.2	12.9	11.6	8.48	16.2	12.7
Magnesium	*	*	39600	2790	2410	1910	2390	1970	11400	1870	2800	13300	8820	14500
Manganese	*	*	2276	786	836	742	1090	1160	790	1170	729	501	433	383
Mercury	32	2.1	0.07	0.024	0.024	0.024	0.027	0.03	0.022	0.027	0.019	0.012 J	0.021	0.018 J
Nickel	2700	950	36.07	16.2 J	10.8 J	12 J	12.9 J	13.1 J	17 J	10.8 J	11.8 J	16.5 J	15.3 J	14.4 J
Potassium	*	*	2338	956	1110	1180	1590	1180	1510	1280	1450	954	1130	1160
Selenium	53	5.2	-	0.5 J	0.3 J	0.5 J	0.5 J	0.4 J	0.2 J	0.4 J	0.2 J	0.2 J	0.4 J	0.3 J
Silver	87	31	1.07	0.926 J	0.262 J	0.159 J	0.176 J	0.082 J	0.631 J	0.052 J	0.219 J	1.99 J ^c	4.13 J ^c	6.77 J ^c
Sodium	*	*	153.1	27.9	46.7	37.3	64.8	51.8	47.5	32.5	31.5	75.3	95.3	52.3
Thallium	10	2.8	0.38	0.17	0.158	0.167	0.222	0.206	0.197	0.157	0.16	0.121	0.175	0.191
Vanadium	*	*	33.7	18.6 J	16.1 J	18.7 J	20.6 J	20.4 J	15.3 J	15.9 J	17.7 J	13.3 J	15.8 J	12.7 J
Zinc	10000	10000	151	54.9	47.5	45.2	64.2	57.2	61.4	59.1	53.3	38.8	62.2	46.3

Notes

IDEM - Indiana Department of Environmental Management

RISC - Risk Integrated System of Closure

IDCL - Industrial Default Closure Level

RDCL - Residential Default Closure Level

* - Criteria not established for this analyte.

-- - Not Analyzed

BGS - below ground surface

mg/kg - milligrams per kilogram

ND(1.1) - Analyte not detected at quantitation limit in parenthesis.

J - The associated value is an estimated quantity.

SUMMARY OF SHALLOW SUBSURFACE SOIL VOC ANALYTICAL DATA - SWMU 5 RADIO MATERIALS CORPORATION ATTICA, INDIANA

Sample Location:			B-502	B-503	B-503	B-504	B-506	B-512	B-514	B-517	B-518	B-521	B-530	B-532	B-534	B-535	B-536	B-539	B-540
Sample ID:	IDEM	IDEM	S-080503-MG-003	S-081203-MG-042	S-081203-MG-043	S-080603-MG-016	S-080703-MG-018	S-081503-MG-071	S-081303-MG-054	S-081903-MG-078	S-081903-MG-080	S-081403-MG-067	S-080803-MG-032	S-080603-MG-010	S-080603-MG-012	S-081103-MG-034	S-080603-MG-014	S-100603-MG-363	S-092804-MG-160
Sample Date:	RISC	RISC	8/5/2003	8/12/2003	8/12/2003	8/6/2003	8/7/2003	8/15/2003	8/13/2003	8/19/2003	8/19/2003	8/14/2003	8/8/2003	8/6/2003	8/6/2003	8/11/2003	8/6/2003	10/6/2003	9/28/2004
Sample Depth:	IDCL a	RDCL b	8-10 ft BGS	8-10 ft BGS	8-10 ft BGS Duplicate	8-10 ft BGS	8-10 ft BGS	8-10 ft BGS	6-8 ft BGS	2-4 ft BGS	6-8 ft BGS	4-6 ft BGS	2-4 ft BGS	6-8 ft BGS	8-10 ft BGS	8-10 ft BGS	4-6 ft BGS	8-10 ft BGS	0-2 ft BGS
					•														
Volatile Organic Compounds (mg/kg) 1,1,1,2-Tetrachloroethane	0.85	0.053	ND (0.0063) UJ	ND (0.0058)	ND (0.0055)	ND (0.0062)	ND (0.0051)	ND (0.0048)	ND (0.0054)	ND (0.0067) UJ	ND (0.066)	ND (0.0076)	ND (0.0054)	ND (0.0057)	ND (0.0064)	ND (0.0058)	ND (0.0052)	ND (0.062)	ND (0.0077)
1,1,1-Trichloroethane	280	1.9	ND (0.0063)	ND (0.0058) UJ	ND (0.0055) UJ	ND (0.0062)	ND (0.0051)	ND (0.0048)	ND (0.0054)	ND (0.0067)	ND (0.066)	ND (0.0076)	ND (0.0054) UJ	ND (0.0057)	ND (0.0064)	ND (0.0058) UJ	ND (0.0052)	ND (0.062)	ND (0.0077)
1,1,2,2-Tetrachloroethane	0.11	0.007	ND (0.0063)	0.0071 J ^b	0.012 J ^b	ND (0.0062)	ND (0.0051)	ND (0.0048)	ND (0.0054)	ND (0.0067)	ND (0.066)	ND (0.0076)	ND (0.0054)	ND (0.0057)	ND (0.0064)	ND (0.0058)	ND (0.0052)	ND (0.062)	ND (0.0077)
1,1,2-Trichloroethane	0.3	0.03	ND (0.0063)	ND (0.0058)	ND (0.0055)	ND (0.0062)	ND (0.0051)	ND (0.0048)	ND (0.0054)	ND (0.0067)	ND (0.066)	ND (0.0076)	ND (0.0054)	ND (0.0057)	ND (0.0064)	ND (0.0058)	ND (0.0052)	ND (0.062)	ND (0.0077)
1,1-Dichloroethane 1,1-Dichloroethene	58 42	5.6 0.058	ND (0.0063) ND (0.0063)	ND (0.0058)	ND (0.0055) 0.0052 J	ND (0.0062) ND (0.0062)	ND (0.0051)	ND (0.0048) ND (0.0048)	ND (0.0054) ND (0.0054)	ND (0.0067)	ND (0.066) ND (0.066)	ND (0.0076) ND (0.0076)	ND (0.0054)	ND (0.0057) ND (0.0057)	ND (0.0064) ND (0.0064)	ND (0.0058)	ND (0.0052) ND (0.0052)	ND (0.062) ND (0.062)	ND (0.0077)
1,1-Dichloropropene	*	*	ND (0.0063)	0.0039 J ND (0.0058)	ND (0.0055)	ND (0.0062) ND (0.0062)	ND (0.0051) ND (0.0051)	ND (0.0048)	ND (0.0054) ND (0.0054)	ND (0.0067) ND (0.0067)	ND (0.066)	ND (0.0076)	ND (0.0054) ND (0.0054)	ND (0.0057)	ND (0.0064)	ND (0.0058) ND (0.0058)	ND (0.0052)	ND (0.062) ND (0.062) UJ	ND (0.0077) ND (0.0077)
1,2,3-Trichlorobenzene	*	*	ND (0.025)	ND (0.024)	ND (0.022)	ND (0.025) UJ	ND (0.021)	ND (0.019)	ND (0.022)	ND (0.027)	ND (0.27) UJ	ND (0.031)	ND (0.022)	ND (0.023) UJ	ND (0.026) UJ	ND (0.023)	ND (0.021)	ND (0.25) UJ	ND (0.0077)
1,2,3-Trichloropropane	*	*	ND (0.0063)	ND (0.0058)	ND (0.0055)	ND (0.0062)	ND (0.0051)	ND (0.0048)	ND (0.0054)	ND (0.0067)	ND (0.066)	ND (0.0076)	ND (0.0054)	ND (0.0057)	ND (0.0064)	ND (0.0058)	ND (0.0052)	ND (0.062)	ND (0.0077)
1,2,4-Trichlorobenzene	77 170	5.3 2.5	ND (0.025) ND (0.025)	ND (0.024)	ND (0.022)	ND (0.025) UJ	ND (0.021)	ND (0.019)	ND (0.022)	ND (0.027)	ND (0.27) UJ	ND (0.031)	ND (0.022)	ND (0.023) UJ	ND (0.026) UJ	ND (0.023)	ND (0.021)	ND (0.25)	ND (0.031)
1,2,4-Trimethylbenzene 1,2-Dibromo-3-chloropropane (DBCP)	*	2.5 *	ND (0.025)	ND (0.40) ND (0.024) UJ	ND (0.22) ND (0.022) UJ	ND (0.025) ND (0.025) UJ	ND (0.021) ND (0.021) UJ	ND (0.019) ND (0.019)	ND (0.022) ND (0.022) UJ	ND (0.027) ND (0.027)	ND (0.27) ND (0.27)	ND (0.031) ND (0.031) UJ	ND (0.022) ND (0.022) UJ	ND (0.023) ND (0.023) UJ	ND (0.026) ND (0.026) UJ	ND (0.023) ND (0.023) UJ	ND (0.021) ND (0.021) UJ	ND (0.25) UJ ND (0.25) UJ	ND (0.031) ND (0.031)
1,2-Dibromoethane (Ethylene Dibromide)	*	*	ND (0.025)	ND (0.024)	ND (0.022)	ND (0.025)	ND (0.021)	ND (0.019)	ND (0.022)	ND (0.027)	ND (0.27)	ND (0.031)	ND (0.022)	ND (0.023)	ND (0.026)	ND (0.023)	ND (0.021)	ND (0.25)	ND (0.0077)
1,2-Dichlorobenzene	220	17	ND (0.0063) UJ	ND (0.0058)	ND (0.0055)	ND (0.0062)	ND (0.0051)	ND (0.0048)	ND (0.0054)	ND (0.0067)	ND (0.066)	ND (0.0076)	ND (0.0054)	ND (0.0057)	ND (0.0064)	ND (0.0058)	ND (0.0052)	ND (0.062)	ND (0.0077)
1,2-Dichloroethane	0.15	0.024	ND (0.0063)	ND (0.0058) UJ	ND (0.0055) UJ	ND (0.0062)	ND (0.0051)	ND (0.0048)	ND (0.0054)	ND (0.0067)	ND (0.066)	ND (0.0076)	ND (0.0054) UJ	ND (0.0057)	ND (0.0064)	ND (0.0058) UJ	ND (0.0052)	ND (0.062)	ND (0.0077)
1,2-Dichloropropane 1,3,5-Trimethylbenzene	0.25 68	0.03 0.61	ND (0.0063) ND (0.025)	ND (0.0058) 0.23	ND (0.0055) ND (0.22)	ND (0.0062) ND (0.025)	ND (0.0051) ND (0.021)	ND (0.0048) ND (0.019)	ND (0.0054) ND (0.022)	ND (0.0067) ND (0.027)	ND (0.066) ND (0.27)	ND (0.0076) ND (0.031)	ND (0.0054) ND (0.022)	ND (0.0057) ND (0.023)	ND (0.0064) ND (0.026)	ND (0.0058) ND (0.023)	ND (0.0052) ND (0.021)	ND (0.062) ND (0.25) UJ	ND (0.0077) ND (0.0077)
1,3-Dichlorobenzene	2.7	0.01	ND (0.0063)	ND (0.0058)	ND (0.0055)	ND (0.0062)	ND (0.0051)	ND (0.0048)	ND (0.0054)	ND (0.0067)	ND (0.066)	ND (0.0076)	ND (0.0054)	ND (0.023)	ND (0.0064)	ND (0.0058)	ND (0.0052)	ND (0.062)	ND (0.0077)
1,3-Dichloropropane	*	*	ND (0.0063)	ND (0.0058)	ND (0.0055)	ND (0.0062)	ND (0.0051)	ND (0.0048)	ND (0.0054)	ND (0.0067)	ND (0.066)	ND (0.0076)	ND (0.0054)	ND (0.0057)	ND (0.0064)	ND (0.0058)	ND (0.0052)	ND (0.062)	ND (0.0077)
1,4-Dichlorobenzene	3.4	2.2	ND (0.0063)	ND (0.0058)	ND (0.0055)	ND (0.0062)	ND (0.0051)	ND (0.0048)	ND (0.0054)	ND (0.0067)	ND (0.066)	ND (0.0076)	ND (0.0054)	ND (0.0057)	ND (0.0064)	ND (0.0058)	ND (0.0052)	ND (0.062)	ND (0.0077)
2,2-Dichloropropane	* 250	* 35	ND (0.0063)	ND (0.0058) UJ	ND (0.0055) UJ	ND (0.0062)	ND (0.0051)	ND (0.0048)	ND (0.0054)	ND (0.0067)	ND (0.066)	ND (0.0076)	ND (0.0054)	ND (0.0057)	ND (0.0064)	ND (0.0058)	ND (0.0052)	ND (0.062)	ND (0.0077)
2-Butanone (Methyl Ethyl Ketone) 2-Chlorotoluene	250	35 *	ND (0.025) ND (0.025)	ND (0.024) UJ ND (0.024)	ND (0.022) UJ ND (0.022)	ND (0.025) UJ ND (0.025)	ND (0.021) UJ ND (0.021)	ND (0.019) UJ ND (0.019)	ND (0.022) ND (0.022)	ND (0.027) ND (0.027)	ND (2.7) ND (0.27)	ND (0.031) ND (0.031)	ND (0.022) UJ ND (0.022)	ND (0.023) UJ ND (0.023)	ND (0.026) UJ ND (0.026)	ND (0.023) UJ ND (0.023)	ND (0.021) UJ ND (0.021)	ND (2.5) UJ ND (0.25)	ND (0.031) UJ ND (0.031)
2-Hexanone	*	*	ND (0.025)	ND (0.024)	ND (0.022) UJ	ND (0.025) UJ	ND (0.021) UJ	ND (0.019) UJ	ND (0.022)	ND (0.027)	ND (2.7)	ND (0.031)	ND (0.022) UJ	ND (0.023) UJ	ND (0.026) UJ	ND (0.023) UJ	ND (0.021) UJ	ND (2.5) UJ	ND (0.031)
2-Phenylbutane (sec-Butylbenzene)	*	*	ND (0.025)	0.0016 J	0.026 J	ND (0.025)	ND (0.021)	ND (0.019)	ND (0.022)	ND (0.027)	ND (0.27)	ND (0.031)	ND (0.022)	ND (0.023)	ND (0.026)	ND (0.023)	ND (0.021)	ND (0.25) UJ	ND (0.031)
4-Chlorotoluene	*	*	ND (0.025) UJ	ND (0.024)	ND (0.022)	ND (0.025)	ND (0.021)	ND (0.019)	ND (0.022)	ND (0.027)	ND (0.27)	ND (0.031)	ND (0.022)	ND (0.023)	ND (0.026)	ND (0.023)	ND (0.021)	ND (0.25)	ND (0.031)
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	75	20	ND (0.025)	ND (0.024)	ND (0.022)	ND (0.025)	ND (0.021)	ND (0.019)	ND (0.022)	ND (0.027)	ND (2.7)	ND (0.031)	ND (0.022)	ND (0.023)	ND (0.026)	ND (0.023)	ND (0.021)	ND (2.5) UJ	ND (0.031)
Acetone	370	3.8	ND (0.063)	0.018 J	ND (0.055) UJ	ND (0.062)	ND (0.051)	ND (0.048)	ND (0.054)	ND (0.067) UJ	0.59 J	ND (0.076)	ND (0.054) UJ	0.03	ND (0.064)	ND (0.058) UJ	ND (0.052)	ND (2.5)	ND (0.031) UJ
Benzene	0.35	0.034	ND (0.0063)	ND (0.0058)	ND (0.0055)	ND (0.0062)	ND (0.0051)	ND (0.0048)	ND (0.0054)	ND (0.0067)	ND (0.066)	ND (0.0076)	ND (0.0054)	ND (0.0057)	ND (0.0064)	ND (0.0058)	ND (0.0052)	ND (0.062)	ND (0.0077)
Bromobenzene	*	*	ND (0.0063)	ND (0.0058)	ND (0.0055)	ND (0.0062)	ND (0.0051)	ND (0.0048)	ND (0.0054)	ND (0.0067)	ND (0.27)	ND (0.0076)	ND (0.0054)	ND (0.0057)	ND (0.0064)	ND (0.0058)	ND (0.0052)	ND (0.25)	ND (0.0077)
Bromodichloromethane Bromoform	0.51 2.7	0.51 0.6	ND (0.0063) ND (0.0063) UJ	ND (0.0058) UJ ND (0.0058)	ND (0.0055) UJ	ND (0.0062) ND (0.0062)	ND (0.0051) ND (0.0051)	ND (0.0048) ND (0.0048)	ND (0.0054) ND (0.0054) UJ	ND (0.0067) ND (0.0067) UJ	ND (0.066) ND (0.066) UJ	ND (0.0076) ND (0.0076) UJ	ND (0.0054) UJ	ND (0.0057) ND (0.0057)	ND (0.0064) ND (0.0064)	ND (0.0058) ND (0.0058)	ND (0.0052) ND (0.0052)	ND (0.062) ND (0.062)	ND (0.0077) ND (0.0077)
Bromomethane (Methyl Bromide)	0.7	0.052	ND (0.0063) UJ	ND (0.0058)	ND (0.0055) ND (0.0055)	ND (0.0062) ND (0.0062)	ND (0.0051) ND (0.0051)	ND (0.0048) UJ	ND (0.0054) UJ ND (0.0054)	ND (0.0067) UJ	ND (0.066) UJ	ND (0.0076)	ND (0.0054) ND (0.0054) UJ	ND (0.0057)	ND (0.0064)	ND (0.0058) UJ	ND (0.0052)	ND (0.062) ND (0.062)	ND (0.0077) ND (0.0077) UJ
Carbon disulfide	82	10	ND (0.0063)	ND (0.0058)	ND (0.0055)	ND (0.0062)	ND (0.0051)	ND (0.0048)	ND (0.0054)	ND (0.0067)	ND (0.066)	ND (0.0076)	ND (0.0054)	ND (0.0057)	ND (0.0064)	ND (0.0058)	ND (0.0052)	ND (0.062)	ND (0.0077)
Carbon tetrachloride	0.29	0.066	ND (0.0063) UJ	ND (0.0058) UJ	ND (0.0055) UJ	ND (0.0062)	ND (0.0051)	ND (0.0048)	ND (0.0054)	ND (0.0067)	ND (0.066) UJ	ND (0.0076)	ND (0.0054)	ND (0.0057)	ND (0.0064)	ND (0.0058)	ND (0.0052)	ND (0.062)	ND (0.0077)
Chlorobenzene	27	1.3	ND (0.0063)	ND (0.0058)	ND (0.0055)	ND (0.0062)	ND (0.0051)	ND (0.0048)	ND (0.0054)	ND (0.0067)	ND (0.066)	ND (0.0076)	ND (0.0054)	ND (0.0057)	ND (0.0064)	ND (0.0058)	ND (0.0052)	ND (0.062)	ND (0.0077)
Chlorobromomethane Chloroethane	10	0.65	ND (0.0063) ND (0.0063)	ND (0.0058) ND (0.0058) UJ	ND (0.0055) ND (0.0055) UJ	ND (0.0062) ND (0.0062)	ND (0.0051) ND (0.0051)	ND (0.0048) ND (0.0048)	ND (0.0054) ND (0.0054)	ND (0.0067) ND (0.0067)	ND (0.066) ND (0.066) UJ	ND (0.0076) ND (0.0076)	ND (0.0054) ND (0.0054) UJ	ND (0.0057) ND (0.0057)	ND (0.0064) ND (0.0064)	ND (0.0058) ND (0.0058)	ND (0.0052) ND (0.0052)	ND (0.062) ND (0.062)	ND (0.0077) ND (0.0077)
Chloroform (Trichloromethane)	1.2	0.47	ND (0.0063) UJ	ND (0.0058)	ND (0.0055)	ND (0.0062)	ND (0.0051)	ND (0.0048)	ND (0.0054)	ND (0.0067)	ND (0.066)	ND (0.0076)	ND (0.0054)	ND (0.0057)	ND (0.0064)	ND (0.0058)	ND (0.0052)	0.014 J	ND (0.0077)
Chloromethane (Methyl Chloride)	*	*	ND (0.0063)	ND (0.0058)	ND (0.0055)	ND (0.0062)	ND (0.0051)	ND (0.0048)	ND (0.0054)	ND (0.0067)	ND (0.066)	ND (0.0076)	ND (0.0054)	ND (0.0057)	ND (0.0064)	ND (0.0058)	ND (0.0052)	ND (0.062)	ND (0.0077)
cis-1,2-Dichloroethene	5.8	0.4	0.0049 J	5.1 ^b	3.3 ^b	0.02	0.0073	ND (0.0048)	ND (0.0054)	0.0039 J	0.043 J	ND (0.0065)	0.018	ND (0.0057)	ND (0.0064)	0.0019 J	ND (0.0052)	0.022 J	ND (0.0077)
cis-1,3-Dichloropropene	*	*	ND (0.0063)	ND (0.0058)	ND (0.0055)	ND (0.0062)	ND (0.0051)	ND (0.0048)	ND (0.0054)	ND (0.0067)	ND (0.066) UJ	ND (0.0076)	ND (0.0054)	ND (0.0057)	ND (0.0064)	ND (0.0058)	ND (0.0052)	ND (0.062) UJ	ND (0.0077)
Cymene (p-Isopropyltoluene) Dibromochloromethane	*	*	ND (0.025) ND (0.0063)	0.0086 J ND (0.0058)	0.21 J ND (0.0055)	ND (0.025) ND (0.0062)	ND (0.021) ND (0.0051)	ND (0.019) ND (0.0048)	ND (0.022) ND (0.0054)	ND (0.027) ND (0.0067)	ND (0.27) ND (0.066)	ND (0.031) ND (0.0076)	ND (0.022) ND (0.0054)	ND (0.023) ND (0.0057)	ND (0.026) ND (0.0064)	ND (0.023) ND (0.0058)	ND (0.021) ND (0.0052)	ND (0.25) UJ ND (0.062)	ND (0.031) ND (0.0077)
Dibromomethane	*	*	ND (0.0063)	ND (0.0058)	ND (0.0055)	ND (0.0062)	ND (0.0051)	ND (0.0048)	ND (0.0054)	ND (0.0067)	ND (0.066)	ND (0.0076)	ND (0.0054)	ND (0.0057)	ND (0.0064)	ND (0.0058)	ND (0.0052)	ND (0.062)	ND (0.0077)
Dichlorodifluoromethane (CFC-12)	*	*	ND (0.0063) UJ	ND (0.0058)	ND (0.0055)	ND (0.0062)	ND (0.0051)	ND (0.0048)	ND (0.0054)	ND (0.0067)	ND (0.066)	ND (0.0076)	ND (0.0054)	ND (0.0057)	ND (0.0064)	ND (0.0058)	ND (0.0052)	ND (0.062)	ND (0.0077)
Ethylbenzene	160	13	ND (0.0063)	ND (0.0058)	0.0026 J	ND (0.0062)	ND (0.0051)	ND (0.0048)	ND (0.0054)	ND (0.0067)	ND (0.066)	ND (0.0076)	ND (0.0054)	ND (0.0057)	ND (0.0064)	ND (0.0058)	ND (0.0052)	ND (0.062) UJ	ND (0.0077)
Hexachlorobutadiene Isopropylbenzene	44 *	16 *	ND (0.025) UJ ND (0.025)	ND (0.024) ND (0.024)	ND (0.022) 0.0075 J	ND (0.025) ND (0.025)	ND (0.021) ND (0.021)	ND (0.019) ND (0.019)	ND (0.022) ND (0.022)	ND (0.027) ND (0.027)	ND (0.27) ND (0.27)	ND (0.031) ND (0.031)	ND (0.022) ND (0.022)	ND (0.023) ND (0.023)	ND (0.026) ND (0.026)	ND (0.023) ND (0.023)	ND (0.021) ND (0.021)	ND (0.25) ND (0.25) UJ	ND (0.031) ND (0.0077)
m&p-Xylene	*	*	ND (0.0063) UJ	0.0038 J	0.16 J	ND (0.0062)	ND (0.0051)	ND (0.0048)	ND (0.0054) UJ	ND (0.0067) UJ	ND (0.066)	ND (0.0076) UJ	ND (0.0054)	ND (0.023)	ND (0.0064)	ND (0.0058)	ND (0.0052)	ND (0.062) UJ	ND (0.0077)
Methylene chloride	1.8	0.023	0.0025 J	ND (0.012)	ND (0.011)	ND (0.013)	ND (0.011)	ND (0.0095)	ND (0.011)	ND (0.014)	ND (0.27)	ND (0.016)	ND (0.011)	ND (0.012)	ND (0.013)	ND (0.012)	ND (0.011)	ND (0.25)	0.0028 J
Naphthalene	170	0.7	ND (0.025) UJ	ND (0.024)	0.2	ND (0.025) UJ	ND (0.021) UJ	ND (0.019)	ND (0.022)	ND (0.027)	ND (0.27)	ND (0.031)	ND (0.022) UJ	ND (0.023) UJ	ND (0.026) UJ	ND (0.023) UJ	ND (0.021) UJ	ND (0.25) UJ	ND (0.0077)
n-Butylbenzene	*	*	ND (0.025) ND (0.025)	0.013 J 0.0023 J	0.3 J 0.047 J	ND (0.025) UJ ND (0.025)	ND (0.021) ND (0.021)	ND (0.019) ND (0.019)	ND (0.022) ND (0.022)	ND (0.027) ND (0.027)	ND (0.27) ND (0.27)	ND (0.031) ND (0.031)	ND (0.022) ND (0.022)	ND (0.023) UJ ND (0.023)	ND (0.026) UJ ND (0.026)	ND (0.023) ND (0.023)	ND (0.021) ND (0.021)	ND (0.25) UJ ND (0.25) UJ	ND (0.031) ND (0.031)
n-Propylbenzene o-Xylene	*	*	ND (0.023) ND (0.0063)	0.0023 J 0.013 J	0.28 J	ND (0.023) ND (0.0062)	ND (0.021) ND (0.0051)	ND (0.0048)	ND (0.022) ND (0.0054)	ND (0.027) ND (0.0067) UJ	ND (0.27) ND (0.066)	ND (0.031) ND (0.0076)	ND (0.022) ND (0.0054)	ND (0.023) ND (0.0057)	ND (0.026) ND (0.0064)	ND (0.023) ND (0.0058)	ND (0.021) ND (0.0052)	ND (0.25) UJ	ND (0.0077)
Styrene	550	3.5	ND (0.0063)	ND (0.0058)	ND (0.0055)	ND (0.0062)	ND (0.0051)	ND (0.0048)	ND (0.0054)	ND (0.0067) UJ	ND (0.066)	ND (0.0076)	ND (0.0054)	ND (0.0057)	ND (0.0064)	ND (0.0058)	ND (0.0052)	ND (0.062) UJ	ND (0.0077)
tert-Butylbenzene	*	*	ND (0.025)	ND (0.024)	0.0046 J	ND (0.025)	ND (0.021)	ND (0.019)	ND (0.022)	ND (0.027)	ND (0.27)	ND (0.031)	ND (0.022)	ND (0.023)	ND (0.026)	ND (0.023)	ND (0.021)	ND (0.25) UJ	ND (0.031)
Tetrachloroethene	0.64	0.058	0.22 ^b	36 ^{ab}	28 ^{ab}	8.2 ^{ab}	0.91 ^{ab}	0.051	ND (0.0054)	0.11 ^b	2.3 ^{ab}	ND (0.0076)	0.15 ^b	ND (0.0057)	ND (0.0064)	0.0014 J	0.00097	2.0 ^{ab}	ND (0.0077)
Toluene	240	12	ND (0.0063)	0.0055 J	0.06 J	ND (0.0062)	ND (0.0051)	ND (0.0048)	ND (0.0054)	ND (0.0067)	ND (0.066)	ND (0.0076)	ND (0.0054)	ND (0.0057)	ND (0.0064)	ND (0.0058)	ND (0.0052)	0.041 J	ND (0.0077)
trans-1,2-Dichloroethene trans-1,3-Dichloropropene	14 *	0.68	ND (0.0063) UJ ND (0.0063)	0.0058 J ND (0.0058)	0.0081 ND (0.0055)	ND (0.0062) ND (0.0062)	ND (0.0051) ND (0.0051)	ND (0.0048) ND (0.0048) UJ	ND (0.0054) ND (0.0054)	ND (0.0067) ND (0.0067)	ND (0.066) ND (0.066) UJ	ND (0.0076) ND (0.0076)	ND (0.0054) ND (0.0054)	ND (0.0057) ND (0.0057)	ND (0.0064) ND (0.0064)	ND (0.0058) ND (0.0058)	ND (0.0052) ND (0.0052)	ND (0.062) ND (0.062) UJ	ND (0.0077) ND (0.0077)
Trichloroethene	0.082	0.057	0.31 ^{ab}	11 ^{ab}	11 ^{ab}	14 ^{ab}	1.4 ^{ab}	0.051	0.056	0.38 ^{ab}	3.6 ^{ab}	0.0074 J	3.4 ^{ab}	ND (0.0057)	ND (0.0064)	0.017	0.085 ^{ab}	6.0 ^{ab}	0.0034 J
Trichlorofluoromethane (CFC-11)	*	*	ND (0.0063)	ND (0.0058)	ND (0.0055)	ND (0.0062)	ND (0.0051)	ND (0.0048)	ND (0.0054)	ND (0.0067)	ND (0.066)	ND (0.0076)	ND (0.0054)	ND (0.0057)	ND (0.0064)	ND (0.0058)	ND (0.0052)	ND (0.062)	ND (0.0077)
Vinyl chloride	0.013	0.013	ND (0.0063)	ND (0.0058)	ND (0.0055)	ND (0.0062)	ND (0.0051)	ND (0.0048)	ND (0.0054)	ND (0.0067)	ND (0.066)	ND (0.0076)	ND (0.0054)	ND (0.0057)	ND (0.0064)	ND (0.0058)	ND (0.0052)	ND (0.062)	ND (0.0077)

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SUMMARY OF SHALLOW SUBSURFACE SOIL VOC ANALYTICAL DATA - SWMU 5 RADIO MATERIALS CORPORATION ATTICA, INDIANA

Canala Lacation			B-541	B-541	B-542	B-543	B-544	B-546	B-547	B-548	B-549	B-551	B-553	B-557	B-560	B-561	B-562	B-562
Sample Location: Sample ID:	IDEM	IDEM	B-541 S-092804-MG-156	в-541 S-092804-MG-157	B-542 S-092704-MG-154	S-092704-MG-152	в-544 S-091404-MG-117	S-091304-MG-110	в-547 S-091504-MG-122	в-548 S-091504-MG-119	S-091304-MG-108	S-091604-MG-125	S-091604-MG-130	S-092404-MG-150	S-092104-MG-141	S-092204-MG-143	S-092304-MG-145	S-092304-MG-146
Sample Date:	RISC	RISC	9/28/2004	9/28/2004	9/27/2004	9/27/2004	9/14/2004	9/13/2004	9/15/2004	9/15/2004	9/13/2004	9/16/2004	9/16/2004	9/24/2004	9/21/2004	9/22/2004	9/23/2004	9/23/2004
Sample Depth:	IDCL	RDCL	0-2 ft BGS	0-2 ft BGS	0-2 ft BGS	0-2 ft BGS	8-10 ft BGS	8-10 ft BGS	0-2 ft BGS	6-8 ft BGS	4-6 ft BGS	2-4 ft BGS	8-10 ft BGS	2-4 ft BGS	6-8 ft BGS	8-10 ft BGS	2-4 ft BGS	2-4 ft BGS
	а	b		Duplicate														Duplicate
Volatile Organic Compounds (mg/kg)																		
1,1,1,2-Tetrachloroethane	0.85	0.053	ND (0.0072)	ND (0.0063)	ND (0.0092)	ND (0.0065)	ND (0.0061)	ND (0.0047)	ND (0.0072)	ND (0.0058)	ND (0.0056)	ND (0.0064)	ND (0.007)	ND (0.0083)	ND (0.0072)	ND (0.0052)	ND (0.0056)	ND (0.0062)
1,1,1-Trichloroethane 1,1,2,2-Tetrachloroethane	280	1.9 0.007	ND (0.0072)	ND (0.0063)	ND (0.0092)	ND (0.0065)	ND (0.0061)	ND (0.0047) ND (0.0047)	ND (0.0072)	ND (0.0058)	ND (0.0056)	ND (0.0064)	ND (0.007)	ND (0.0083)	ND (0.0072)	ND (0.0052)	ND (0.0056)	ND (0.0062)
1,1,2-Tetrachioroethane	0.11 0.3	0.007	ND (0.0072) ND (0.0072)	ND (0.0063) ND (0.0063)	ND (0.0092) UJ ND (0.0092) UJ	ND (0.0065) UJ ND (0.0065) UJ	ND (0.0061) ND (0.0061)	ND (0.0047) ND (0.0047)	ND (0.0072) ND (0.0072)	ND (0.0058) ND (0.0058)	ND (0.0056) ND (0.0056)	ND (0.0064) ND (0.0064)	ND (0.007) ND (0.007)	ND (0.0083) ND (0.0083) UJ	ND (0.0072) ND (0.0072)	ND (0.0052) ND (0.0052)	ND (0.0056) ND (0.0056)	ND (0.0062) ND (0.0062)
1,1-Dichloroethane	58	5.6	ND (0.0072)	ND (0.0063)	ND (0.0092)	ND (0.0065)	ND (0.0061)	ND (0.0047)	ND (0.0072)	ND (0.0058)	ND (0.0056)	ND (0.0064)	ND (0.007)	ND (0.0083)	ND (0.0072)	ND (0.0052)	ND (0.0056)	ND (0.0062)
1,1-Dichloroethene	42	0.058	ND (0.0072)	ND (0.0063)	ND (0.0092)	ND (0.0065)	ND (0.0061)	ND (0.0047)	ND (0.0072)	ND (0.0058)	ND (0.0056)	ND (0.0064)	ND (0.007)	ND (0.0083)	ND (0.0072)	ND (0.0052)	ND (0.0056)	ND (0.0062)
1,1-Dichloropropene 1,2,3-Trichlorobenzene	*	*	ND (0.0072) ND (0.0072)	ND (0.0063) ND (0.0063)	ND (0.0092) ND (0.0092)	ND (0.0065) ND (0.0065)	ND (0.0061) ND (0.0061)	ND (0.0047) ND (0.0047)	ND (0.0072) ND (0.0072)	ND (0.0058) ND (0.0058)	ND (0.0056) ND (0.0056)	ND (0.0064) ND (0.0064)	ND (0.007) ND (0.007)	ND (0.0083) ND (0.0083)	ND (0.0072) ND (0.0072)	ND (0.0052) ND (0.0052)	ND (0.0056) ND (0.0056)	ND (0.0062) ND (0.0062)
1,2,3-Trichloropenzene	*	*	ND (0.0072)	ND (0.0063)	ND (0.0092)	ND (0.0065)	ND (0.0061)	ND (0.0047)	ND (0.0072)	ND (0.0058)	ND (0.0056)	ND (0.0064)	ND (0.007)	ND (0.0083)	ND (0.0072)	ND (0.0052)	ND (0.0056)	ND (0.0062)
1,2,4-Trichlorobenzene	77	5.3	ND (0.029)	ND (0.025)	ND (0.037)	ND (0.026)	ND (0.025)	ND (0.019)	ND (0.029)	ND (0.024)	ND (0.023)	ND (0.026)	ND (0.028)	ND (0.033)	ND (0.029)	ND (0.021)	ND (0.023)	ND (0.025)
1,2,4-Trimethylbenzene	170	2.5	ND (0.029)	ND (0.025)	ND (0.037)	ND (0.026)	ND (0.025)	ND (0.019)	ND (0.029)	ND (0.024)	ND (0.023)	ND (0.026)	ND (0.028)	ND (0.033)	ND (0.029)	ND (0.021)	ND (0.023)	ND (0.025)
1,2-Dibromo-3-chloropropane (DBCP) 1,2-Dibromoethane (Ethylene Dibromide)	*	*	ND (0.029) ND (0.0072)	ND (0.025) ND (0.0063)	ND (0.037) ND (0.0092)	ND (0.026) ND (0.0065)	ND (0.025) ND (0.0061)	ND (0.019) ND (0.0047)	ND (0.029) ND (0.0072)	ND (0.024) ND (0.0058)	ND (0.023) ND (0.0056)	ND (0.026) ND (0.0064)	ND (0.028) ND (0.007)	ND (0.033) ND (0.0083)	ND (0.029) ND (0.0072)	ND (0.021) ND (0.0052)	ND (0.023) ND (0.0056)	ND (0.025) ND (0.0062)
1,2-Dichlorobenzene	220	17	ND (0.0072)	ND (0.0063)	ND (0.0092)	ND (0.0065)	ND (0.0061)	ND (0.0047)	ND (0.0072)	ND (0.0058)	ND (0.0056)	ND (0.0064)	ND (0.007)	ND (0.0083)	ND (0.0072)	ND (0.0052)	ND (0.0056)	ND (0.0062)
1,2-Dichloroethane	0.15	0.024	ND (0.0072)	ND (0.0063)	ND (0.0092)	ND (0.0065)	ND (0.0061)	ND (0.0047)	ND (0.0072)	ND (0.0058)	ND (0.0056)	ND (0.0064)	ND (0.007)	ND (0.0083)	ND (0.0072)	ND (0.0052)	ND (0.0056)	ND (0.0062)
1,2-Dichloropropane	0.25	0.03	ND (0.0072)	ND (0.0063)	ND (0.0092)	ND (0.0065)	ND (0.0061)	ND (0.0047)	ND (0.0072)	ND (0.0058)	ND (0.0056)	ND (0.0064)	ND (0.007)	ND (0.0083)	ND (0.0072)	ND (0.0052)	ND (0.0056)	ND (0.0062)
1,3,5-Trimethylbenzene 1,3-Dichlorobenzene	68 2.7	0.61 0.2	ND (0.0072)	ND (0.0063)	ND (0.0092)	ND (0.0065)	ND (0.0061)	ND (0.0047) ND (0.0047)	ND (0.0072)	ND (0.0058)	ND (0.0056)	ND (0.0064)	ND (0.007)	ND (0.0083)	ND (0.0072) ND (0.0072)	ND (0.0052)	ND (0.0056)	ND (0.0062)
1,3-Dichloropropane	*	*	ND (0.0072) ND (0.0072)	ND (0.0063) ND (0.0063)	ND (0.0092) ND (0.0092)	ND (0.0065) ND (0.0065)	ND (0.0061) ND (0.0061)	ND (0.0047) ND (0.0047)	ND (0.0072) ND (0.0072)	ND (0.0058) ND (0.0058)	ND (0.0056) ND (0.0056)	ND (0.0064) ND (0.0064)	ND (0.007) ND (0.007)	ND (0.0083) ND (0.0083)	ND (0.0072) ND (0.0072)	ND (0.0052) ND (0.0052)	ND (0.0056) ND (0.0056)	ND (0.0062) ND (0.0062)
1,4-Dichlorobenzene	3.4	2.2	ND (0.0072)	ND (0.0063)	ND (0.0092)	ND (0.0065)	ND (0.0061)	ND (0.0047)	ND (0.0072)	ND (0.0058)	ND (0.0056)	ND (0.0064)	ND (0.007)	ND (0.0083)	ND (0.0072)	ND (0.0052)	ND (0.0056)	ND (0.0062)
2,2-Dichloropropane	*	*	ND (0.0072)	ND (0.0063)	ND (0.0092)	ND (0.0065)	ND (0.0061)	ND (0.0047)	ND (0.0072)	ND (0.0058)	ND (0.0056)	ND (0.0064)	ND (0.007)	ND (0.0083)	ND (0.0072)	ND (0.0052)	ND (0.0056)	ND (0.0062)
2-Butanone (Methyl Ethyl Ketone)	250	35	ND (0.029) UJ	ND (0.025) UJ	ND (0.037) UJ	ND (0.026) UJ	ND (0.025) UJ	ND (0.019) UJ	ND (0.029) UJ	ND (0.024) UJ	ND (0.023) UJ	ND (0.026) UJ	ND (0.028) UJ	ND (0.033) UJ	ND (0.029) UJ	ND (0.021) UJ	ND (0.023) UJ	ND (0.025) UJ
2-Chlorotoluene 2-Hexanone	*	*	ND (0.029) ND (0.029)	ND (0.025) ND (0.025)	ND (0.037) ND (0.037)	ND (0.026) ND (0.026)	ND (0.025) ND (0.025)	ND (0.019) ND (0.019)	ND (0.029) ND (0.029)	ND (0.024) ND (0.024)	ND (0.023) ND (0.023)	ND (0.026) ND (0.026)	ND (0.028) ND (0.028)	ND (0.033) ND (0.033)	ND (0.029) ND (0.029)	ND (0.021) ND (0.021)	ND (0.023) ND (0.023)	ND (0.025) ND (0.025)
2-Phenylbutane (sec-Butylbenzene)	*	*	ND (0.029)	ND (0.025)	ND (0.037)	ND (0.026)	ND (0.025)	ND (0.019)	ND (0.029)	ND (0.024)	ND (0.023)	ND (0.026)	ND (0.028)	ND (0.033)	ND (0.029)	ND (0.021)	ND (0.023)	ND (0.025)
4-Chlorotoluene	*	*	ND (0.029)	ND (0.025)	ND (0.037)	ND (0.026)	ND (0.025)	ND (0.019)	ND (0.029)	ND (0.024)	ND (0.023)	ND (0.026)	ND (0.028)	ND (0.033)	ND (0.029)	ND (0.021)	ND (0.023)	ND (0.025)
4-Methyl-2-Pentanone	75	20	NID (0.020)	NTD (0.005)	NTD (0.007)	NID (0.024)	NID (0.025)	NID (0.010)	NTD (0.020)	NTD (0.024)	NTD (0.022)	NTD (0.02()	NID (0.020)	NID (0.022)	NID (0.020)	NID (0.021)	NID (0.022)	NID (0.025)
(Methyl Isobutyl Ketone) Acetone	75 370	20 3.8	ND (0.029) ND (0.029) UJ	ND (0.025) ND (0.025) UJ	ND (0.037) ND (0.037) UJ	ND (0.026) ND (0.026) UJ	ND (0.025) ND (0.025) UJ	ND (0.019) ND (0.019) UJ	ND (0.029) ND (0.029) UJ	ND (0.024) ND (0.024) UJ	ND (0.023) ND (0.023) UJ	ND (0.026) ND (0.026) UJ	ND (0.028) ND (0.028) UJ	ND (0.033) ND (0.033) UJ	ND (0.029) ND (0.029) UJ	ND (0.021) ND (0.021) UJ	ND (0.023) ND (0.023) UJ	ND (0.025) ND (0.025) UJ
Benzene	0.35	0.034	ND (0.0072)	ND (0.0063)	ND (0.0092)	ND (0.0065)	ND (0.0061)	ND (0.0047)	ND (0.0072)	ND (0.0058)	ND (0.0056)	ND (0.0064)	ND (0.007)	ND (0.0083)	ND (0.0072)	ND (0.0052)	ND (0.0056)	ND (0.0062)
Bromobenzene	*	*	ND (0.0072)	ND (0.0063)	ND (0.0092)	ND (0.0065)	ND (0.0061)	ND (0.0047)	ND (0.0072)	ND (0.0058)	ND (0.0056)	ND (0.0064)	ND (0.007)	ND (0.0083)	ND (0.0072)	ND (0.0052)	ND (0.0056)	ND (0.0062)
Bromodichloromethane	0.51	0.51	ND (0.0072)	ND (0.0063)	ND (0.0092)	ND (0.0065)	ND (0.0061)	ND (0.0047)	ND (0.0072)	ND (0.0058)	ND (0.0056)	ND (0.0064)	ND (0.007)	ND (0.0083)	ND (0.0072)	ND (0.0052)	ND (0.0056)	ND (0.0062)
Bromoform Bromomethane (Methyl Bromide)	2.7 0.7	0.6 0.052	ND (0.0072) ND (0.0072) UJ	ND (0.0063) ND (0.0063) UJ	ND (0.0092) ND (0.0092) UJ	ND (0.0065) ND (0.0065) UJ	ND (0.0061) ND (0.0061)	ND (0.0047) ND (0.0047)	ND (0.0072) ND (0.0072)	ND (0.0058) ND (0.0058)	ND (0.0056) ND (0.0056)	ND (0.0064) ND (0.0064)	ND (0.007) ND (0.007)	ND (0.0083) ND (0.0083) UJ	ND (0.0072) ND (0.0072)	ND (0.0052) ND (0.0052)	ND (0.0056) ND (0.0056)	ND (0.0062) ND (0.0062)
Carbon disulfide	82	10	ND (0.0072)	ND (0.0063)	ND (0.0092)	ND (0.0065)	ND (0.0061)	ND (0.0047)	ND (0.0072)	ND (0.0058)	ND (0.0056)	ND (0.0064)	ND (0.007)	ND (0.0083)	ND (0.0072)	ND (0.0052)	ND (0.0056)	ND (0.0062)
Carbon tetrachloride	0.29	0.066	ND (0.0072)	ND (0.0063)	ND (0.0092)	ND (0.0065)	ND (0.0061)	ND (0.0047)	ND (0.0072)	ND (0.0058)	ND (0.0056)	ND (0.0064)	ND (0.007)	ND (0.0083)	ND (0.0072)	ND (0.0052)	ND (0.0056)	ND (0.0062)
Chlorobenzene	27	1.3	ND (0.0072)	ND (0.0063)	ND (0.0092)	ND (0.0065)	ND (0.0061)	ND (0.0047)	ND (0.0072)	ND (0.0058)	ND (0.0056)	ND (0.0064)	ND (0.007)	ND (0.0083)	ND (0.0072)	ND (0.0052)	ND (0.0056)	ND (0.0062)
Chlorobromomethane Chloroethane	10	0.65	ND (0.0072) ND (0.0072)	ND (0.0063) ND (0.0063)	ND (0.0092) ND (0.0092) UJ	ND (0.0065) ND (0.0065) UJ	ND (0.0061) ND (0.0061)	ND (0.0047) ND (0.0047)	ND (0.0072) ND (0.0072)	ND (0.0058) ND (0.0058)	ND (0.0056) ND (0.0056)	ND (0.0064) ND (0.0064)	ND (0.007) ND (0.007)	ND (0.0083) ND (0.0083) UJ	ND (0.0072) ND (0.0072) UJ	ND (0.0052) ND (0.0052)	ND (0.0056) ND (0.0056)	ND (0.0062) ND (0.0062)
Chloroform (Trichloromethane)	1.2	0.47	ND (0.0072)	ND (0.0063)	ND (0.0092)	ND (0.0065)	ND (0.0061)	ND (0.0047)	ND (0.0072)	ND (0.0058)	ND (0.0056)	ND (0.0064)	ND (0.007)	ND (0.0083)	ND (0.0072)	ND (0.0052)	ND (0.0056)	ND (0.0062)
Chloromethane (Methyl Chloride)	*	*	ND (0.0072)	ND (0.0063)	ND (0.0092)	ND (0.0065)	ND (0.0061)	ND (0.0047)	ND (0.0072)	ND (0.0058)	ND (0.0056)	ND (0.0064)	ND (0.007)	ND (0.0083)	ND (0.0072)	ND (0.0052)	ND (0.0056)	ND (0.0062)
cis-1,2-Dichloroethene	5.8	0.4	ND (0.0072)	ND (0.0063)	ND (0.0092)	ND (0.0065)	0.0073	ND (0.0047)	ND (0.0072)	ND (0.0058)	0.0035 J	ND (0.0064)	0.0032 J	ND (0.0083)	ND (0.0072)	ND (0.0052)	ND (0.0056)	ND (0.0062)
cis-1,3-Dichloropropene	*	*	ND (0.0072) ND (0.029)	ND (0.0063) ND (0.025)	ND (0.0092) ND (0.037)	ND (0.0065) ND (0.026)	ND (0.0061) ND (0.025)	ND (0.0047) ND (0.019)	ND (0.0072) ND (0.029)	ND (0.0058) ND (0.024)	ND (0.0056) ND (0.023)	ND (0.0064) ND (0.026)	ND (0.007) ND (0.028)	ND (0.0083) ND (0.033)	ND (0.0072) ND (0.029)	ND (0.0052) ND (0.021)	ND (0.0056) ND (0.023)	ND (0.0062) ND (0.025)
Cymene (p-Isopropyltoluene) Dibromochloromethane	*	*	ND (0.0072)	ND (0.023) ND (0.0063)	ND (0.0092)	ND (0.026)	ND (0.023) ND (0.0061)	ND (0.0147)	ND (0.023) ND (0.0072)	ND (0.0058)	ND (0.025) ND (0.0056)	ND (0.0064)	ND (0.028)	ND (0.033)	ND (0.0072)	ND (0.0052)	ND (0.023) ND (0.0056)	ND (0.023) ND (0.0062)
Dibromomethane	*	*	ND (0.0072)	ND (0.0063)	ND (0.0092)	ND (0.0065)	ND (0.0061)	ND (0.0047)	ND (0.0072)	ND (0.0058)	ND (0.0056)	ND (0.0064)	ND (0.007)	ND (0.0083)	ND (0.0072)	ND (0.0052)	ND (0.0056)	ND (0.0062)
Dichlorodifluoromethane (CFC-12)	*	*	ND (0.0072)	ND (0.0063)	ND (0.0092)	ND (0.0065)	ND (0.0061)	ND (0.0047)	ND (0.0072)	ND (0.0058)	ND (0.0056)	ND (0.0064)	ND (0.007)	ND (0.0083)	ND (0.0072)	ND (0.0052)	ND (0.0056)	ND (0.0062)
Ethylbenzene	160	13 16	ND (0.0072)	ND (0.0063)	ND (0.0092)	ND (0.0065)	ND (0.0061) ND (0.025)	ND (0.0047)	ND (0.0072)	ND (0.0058)	ND (0.0056)	ND (0.0064)	ND (0.007) ND (0.028)	ND (0.0083) ND (0.033)	ND (0.0072)	ND (0.0052)	ND (0.0056)	ND (0.0062)
Hexachlorobutadiene Isopropylbenzene	44 *	*	ND (0.029) ND (0.0072)	ND (0.025) ND (0.0063)	ND (0.037) ND (0.0092)	ND (0.026) ND (0.0065)	ND (0.025) ND (0.0061)	ND (0.019) ND (0.0047)	ND (0.029) ND (0.0072)	ND (0.024) ND (0.0058)	ND (0.023) ND (0.0056)	ND (0.026) ND (0.0064)	ND (0.028) ND (0.007)	ND (0.033) ND (0.0083)	ND (0.029) ND (0.0072)	ND (0.021) ND (0.0052)	ND (0.023) ND (0.0056)	ND (0.025) ND (0.0062)
m&p-Xylene	*	*	ND (0.0072)	ND (0.0063)	ND (0.0092)	ND (0.0065)	ND (0.0061)	ND (0.0047)	ND (0.0072)	ND (0.0058)	ND (0.0056)	ND (0.0064)	ND (0.007)	ND (0.0083)	ND (0.0072)	ND (0.0052)	ND (0.0056)	ND (0.0062)
Methylene chloride	1.8	0.023	0.0023 J	0.0019 J	ND (0.019)	ND (0.013)	0.002 J	ND (0.0094)	0.002 J	0.0015 J	ND (0.012)	ND (0.013) UJ	0.0016 J	ND (0.017)	ND (0.015) UJ	ND (0.011) UJ	ND (0.012) UJ	ND (0.013) UJ
Naphthalene	170	0.7	ND (0.0072)	ND (0.0063)	ND (0.0092)	ND (0.0065)	ND (0.0061)	ND (0.0047)	ND (0.0072)	ND (0.0058)	ND (0.0056)	ND (0.0064)	ND (0.007)	ND (0.0083)	ND (0.0072)	ND (0.0052)	ND (0.0056)	ND (0.0062)
n-Butylbenzene n-Propylbenzene	*	*	ND (0.029) ND (0.029)	ND (0.025) ND (0.025)	ND (0.037) ND (0.037)	ND (0.026) ND (0.026)	ND (0.025) ND (0.025)	ND (0.019) ND (0.019)	ND (0.029) ND (0.029)	ND (0.024) ND (0.024)	ND (0.023) ND (0.023)	ND (0.026) ND (0.026)	ND (0.028) ND (0.028)	ND (0.033) ND (0.033)	ND (0.029) ND (0.029)	ND (0.021) ND (0.021)	ND (0.023) ND (0.023)	ND (0.025) ND (0.025)
o-Xylene	*	*	ND (0.0072)	ND (0.0063)	ND (0.0092)	ND (0.0065)	ND (0.0061)	ND (0.0047)	ND (0.0072)	ND (0.0058)	ND (0.0056)	ND (0.0064)	ND (0.007)	ND (0.0083)	ND (0.0072)	ND (0.0052)	ND (0.0056)	ND (0.0062)
Styrene	550	3.5	ND (0.0072)	ND (0.0063)	ND (0.0092)	ND (0.0065)	ND (0.0061)	ND (0.0047)	ND (0.0072)	ND (0.0058)	ND (0.0056)	ND (0.0064)	ND (0.007)	ND (0.0083)	ND (0.0072)	ND (0.0052)	ND (0.0056)	ND (0.0062)
tert-Butylbenzene	*	*	ND (0.029)	ND (0.025)	ND (0.037)	ND (0.026)	ND (0.025)	ND (0.019)	ND (0.029)	ND (0.024)	ND (0.023)	ND (0.026)	ND (0.028)	ND (0.033)	ND (0.029)	ND (0.021)	ND (0.023)	ND (0.025)
Tetrachloroethene	0.64	0.058	ND (0.0072)	ND (0.0063)	0.00064 J	ND (0.0065)	0.013 ND (0.0061)	ND (0.0047)	ND (0.0072)	ND (0.0058)	ND (0.0056)	ND (0.0064)	0.015 ND (0.007)	ND (0.0083)	ND (0.0072)	ND (0.0052)	ND (0.0056)	ND (0.0062)
Toluene trans-1,2-Dichloroethene	240 14	12 0.68	ND (0.0072) ND (0.0072)	ND (0.0063) ND (0.0063)	ND (0.0092) ND (0.0092)	ND (0.0065) ND (0.0065)	ND (0.0061) ND (0.0061)	ND (0.0047) ND (0.0047)	ND (0.0072) ND (0.0072)	ND (0.0058) ND (0.0058)	ND (0.0056) ND (0.0056)	ND (0.0064) ND (0.0064)	ND (0.007) ND (0.007)	ND (0.0083) ND (0.0083)	ND (0.0072) ND (0.0072)	ND (0.0052) ND (0.0052)	ND (0.0056) ND (0.0056)	ND (0.0062) ND (0.0062)
trans-1,3-Dichloropropene	*	*	ND (0.0072)	ND (0.0063)	ND (0.0092)	ND (0.0065)	ND (0.0061)	ND (0.0047)	ND (0.0072)	ND (0.0058)	ND (0.0056)	ND (0.0064)	ND (0.007) ND (0.007)	ND (0.0083)	ND (0.0072)	ND (0.0052)	ND (0.0056)	ND (0.0062)
Trichloroethene	0.082	0.057	0.018	0.01	0.0074 J	ND (0.0065)	0.13 ^{ab}	ND (0.0047)	ND (0.0072)	ND (0.0058)	0.0074	ND (0.0064)	0.1 ^{ab}	ND (0.0083)	ND (0.0072)	0.0018 J	ND (0.0056)	ND (0.0062)
Trichlorofluoromethane (CFC-11)	*	*	ND (0.0072)	ND (0.0063)	ND (0.0092) UJ	ND (0.0065) UJ	ND (0.0061)	ND (0.0047)	ND (0.0072)	ND (0.0058)	ND (0.0056)	ND (0.0064)	ND (0.007)	ND (0.0083) UJ	ND (0.0072)	ND (0.0052)	ND (0.0056)	ND (0.0062)
Vinyl chloride	0.013	0.013	ND (0.0072)	ND (0.0063)	ND (0.0092)	ND (0.0065)	ND (0.0061)	ND (0.0047)	ND (0.0072)	ND (0.0058)	ND (0.0056)	ND (0.0064)	ND (0.007)	ND (0.0083)	ND (0.0072)	ND (0.0052)	ND (0.0056)	ND (0.0062)

Notes:

IDEM - Indiana Department of Environmental Management

RISC - Risk Integrated System of Closure

IDCL - Industrial Default Closure Level

RDCL - Residential Default Closure Level

* - Criteria not established for this analyte.
-- Not Analyzed

BGS - below ground surface

mg/kg - milligrams per kilogram

ND(1.1) - Analyte not detected at quantitation limit in parenthesis.

J - The associated value is an estimated quantity.

UJ - The material was analyzed for, but was not detected. The associated value is an estimate and may be inaccurate or imprecise.

SUMMARY OF SHALLOW SUBSURFACE SOIL METALS ANALYTICAL DATA - SWMU 5 RADIO MATERIALS CORPORATION ATTICA, INDIANA

Sample Location: Sample ID: Sample Date: Sample Depth:	RISC	IDEM RISC RDCL b	Background Subsurface c	B-502 S-080503-MG-003 8/5/2003 8-10 ft BGS	B-503 S-081203-MG-042 8/12/2003 8-10 ft BGS	B-503 S-081203-MG-043 8/12/2003 8-10 ft BGS Duplicate	B-504 S-080603-MG-016 8/6/2003 8-10 ft BGS	B-506 S-080703-MG-018 8/7/2003 8-10 ft BGS	B-512 S-081503-MG-071 8/15/2003 8-10 ft BGS	B-514 S-081303-MG-054 8/13/2003 6-8 ft BGS	B-517 S-081903-MG-078 8/19/2003 2-4 ft BGS	B-518 S-081903-MG-080 8/19/2003 6-8 ft BGS	B-521 S-081403-MG-067 8/14/2003 4-6 ft BGS	B-530 S-080803-MG-032 8/8/2003 2-4 ft BGS	B-532 S-080603-MG-010 8/6/2003 6-8 ft BGS	B-534 S-080603-MG-012 8/6/2003 8-10 ft BGS	B-535 S-081103-MG-034 8/11/2003 8-10 ft BGS	B-536 S-080603-MG-014 8/6/2003 4-6 ft BGS	B-539 S-100603-MG-363 10/6/2003 8-10 ft BGS
Metals (mg/kg)																			
Aluminum	*	*	27562	12000	4220	5760	3910	7700	4490	12900	3910	6130	13500	5520	6850	16500 J	7190	5480	4980
Antimony	37	5.4	0.252	0.14 J	0.11 J	0.08 J	0.07 J	0.08 J	0.09 J	0.17 J	0.07 J	0.07 J	0.16 J	0.1 J	0.17 J	0.18 J	0.14 J	0.06 J	0.13 J
Arsenic	20	3.9	10.6	8.7 ^b	6.6 ^b	5.2 ^b	5.8 ^b	6 ^b	5.9 ^b	7.6 ^b	3.3	8.7 ^b	6.5 ^b	4.7^{b}	4.6^{b}	10.4^{b}	7.8 ^b	4.5 ^b	7.8 ^b
Barium	5900	1600	181	82.7	22.9	23.6	17.4	32.5	28.4	193°	16.7	118	132	22.4	83.8	108	46.4	22.2	23.7
Beryllium	2300	63	0.86	0.44	0.21	0.24	0.13	0.29	0.26	0.41	0.14	0.3	0.59	0.25	0.45	0.69 J	0.36 J	0.21	0.23
Cadmium	77	7.5	0.341	0.25	0.22	0.2	0.12	0.17	0.21	0.21	0.09	0.16	0.2	0.13	0.29	0.17	0.22	0.15	0.23
Calcium	*	*	147894	2050	73700	89400	91400	55600	91700	11700	154000°	95800	12600	73000	11400	2120	4720 J	59900	117000
Chromium Total	120	38	34.6	18.7	9.1	11.2	8.2	12.3	8	17.9	9.9	9.2	24.9	10.1	11	22.4	14.2	11.2	9.1
Cobalt	*	*	16.6	10.3	5.8	6.7	4.3	7.1	5.1	9.5	4.2	6.3	8.5	5.4	6.8	12.6	8	5.3	4.8
Copper	2700	920	24.0	19.5	12.4	10.6	10.8	13	12.1	15.8	6.5	14.1	16.2	12.4	11.4	26.6 J ^c	17.4	10.3	14.4
Cyanide (total)	*	*	-																
Iron	*	*	40017	23000	13400	15500	13500	15900	12700	21700	11900	15400	20400	13600	12400	29500	19400	12900	12800
Lead	230	81	40.8	13.5	10.2	8.27	6.27	11.3	11.5	15	7.27	8.84	15.2	10.2	13.1	17.2 J	14	6.6	14.7
Magnesium	*	*	48865	2900	26500	24300	29800	27300	25700	6680	39300	29700	6930	27000	4990	4040	4350 J	23400	23000
Manganese	*	*	1360	759	394	376	403	444	444	665	399	343	666	359	396	654	450	326	361
Mercury	32	2.1	0.101	0.03	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	0.02	ND (0.02)	ND (0.02)	0.03	ND (0.02)	ND (0.02)	0.02	0.02	ND (0.02)	ND (0.02)
Nickel	2700	950	44.4 2479	20.8	19.7	19.4	10.6	17.5 1300	18.6	15.2 1080	14.2 530	23.1 1090	24.5 1590	15.1 1420	13.5	31 J	21 J	14.2 1210	26.2
Potassium Selenium	53	5.2	2479	1230 ND (1.2)	720 ND (1.2)	1060 ND (1.2)	676 ND (1.1)	ND (1.2)	980 ND (1.1)	ND (1.2)	530 ND (1)	ND (1)	ND (1.2)	ND (1.1)	718 ND (1.1)	1520 ND (1.2)	728 ND (1.2)	ND (1.1)	1270 ND (1.1)
		3.2		, ,	` '	` '	` '	` '	` '	` '	()	()	` '	` '	` '	` /	` '	` '	` '
Silver	87	31	0.132	0.02	0.03	0.09	ND (0.02)	0.03	ND (0.02)	4.26°	0.04	ND (0.02)	0.14°	ND (0.02)	0.04	0.03	ND (0.02)	ND (0.02)	ND (0.02)
Sodium	*	*	177	51.4	79	83.7	96.7	98.9	86.4	61.4	118	186°	62.4	89.9	39.4	35.8	41.6	79.7	108
Thallium	10	2.8	0.41	0.34	0.23	0.26	0.14	0.31	0.27	0.23	0.1	0.2	0.26	0.18	0.2	0.38 J	0.25	0.17	0.3
Vanadium	10000	10000	36.3 120	24.6 66.4	9.9 48.6	11.4 68.6	11.7 59.7	12.2 54.8	10.3 58.6	17.9 65.8	7.4 28	12.4 61.3	25.1 63.1	8.8 48.5	17.3 47.2	24.4 J 93.1	11.1 64.7	9.8 49.6	10.9 43.6
Zinc	10000	10000	120	66.4	48.6	0.60	39.7	34.8	38.6	8.00	28	61.3	63.1	48.5	47.2	93.1	64./	49.6	43.6

Notes:
IDEM - Indiana Department of Environmental Management RISC - Risk Integrated System of Closure

IDCL - Industrial Default Closure Level

RDCL - Residential Default Closure Level * - Criteria not established for this analyte.

-- - Not Analyzed

BGS - below ground surface mg/kg - milligrams per kilogram

ND(1.1) - Analyte not detected at quantitation limit in parenthesis.

J - The associated value is an estimated quantity.

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ND (0.006)

ND (0.0081)

ND (0.0067)

SUMMARY OF INTERMEDIATE SUBSURFACE SOIL VOC ANALYTICAL DATA - SWMU 5 RADIO MATERIALS CORPORATION ATTICA, INDIANA

			D 504	D 504	D 504	D 505	D 505	D 506	D 507	D 500	D 500	D 500	D 500	D 500	D 500	D 540	D 544	D 544
Sample Location: Sample ID:	IDEM	IDEM	B-501 S-080403-MG-001	B-501 S-080403-MG-002	B-504 S-080603-MG-017	B-505 S-081103-MG-040	B-505 S-081103-MG-041	B-506 S-080703-MG-019	B-507 S-081203-MG-045	B-508 S-080703-MG-020	B-508 S-080703-MG-021	B-508 S-080703-MG-022	B-509 S-080803-MG-027	B-509 S-080803-MG-028	B-509 S-080803-MG-029	B-510 S-081303-MG-056	B-511 S-080803-MG-030	B-511 S-080803-MG-031
Sample Date:	RISC	RISC	8/4/2003	8/4/2003	8/6/2003	8/11/2003	8/11/2003	8/7/2003	8/12/2003	8/7/2003	8/7/2003	8/7/2003	8/8/2003	8/8/2003	8/8/2003	8/13/2003	8/8/2003	8/8/2003
Sample Depth:	IDCL	RDCL	22-24 ft BGS	28-30 ft BGS	26-28 ft BGS	10-12 ft BGS	18-20 ft BGS	18-20 ft BGS	18-20 ft BGS	14-16 ft BGS	14-16 ft BGS	26-28 ft BGS	10-12 ft BGS	10-12 ft BGS	22-24 ft BGS	14-16 ft BGS	10-12 ft BGS	14-16 ft BGS
	а	ь									Duplicate			Duplicate				
Volatile Organic Compounds (mg/kg)																		
1,1,1,2-Tetrachloroethane 1,1,1-Trichloroethane	0.85 280	0.053 1.9	ND (0.0053) UJ ND (0.0053)	ND (0.0083) UJ ND (0.0083)	ND (0.0064) ND (0.0064)	ND (0.0049) ND (0.0049) UJ	ND (0.0071) ND (0.0071) UJ	ND (0.0058) ND (0.0058)	ND (0.0066) ND (0.0066) UJ	ND (0.0058) ND (0.0058) UJ	ND (0.0061) ND (0.0061) UJ	ND (0.0065) ND (0.0065)	ND (0.006) ND (0.006) UJ	ND (0.006) ND (0.006) UJ	ND (0.0081) ND (0.0081)	ND (0.0049) ND (0.0049)	ND (0.0067) ND (0.0067)	ND (0.005) ND (0.005)
1,1,2,2-Tetrachloroethane	0.11	0.007	ND (0.0053)	ND (0.0083)	ND (0.0064)	ND (0.0049) ND (0.0049)	ND (0.0071) UJ ND (0.0071)	ND (0.0058)	ND (0.0066) ND (0.0066)	ND (0.0058) U)	ND (0.0061) U)	ND (0.0065)	ND (0.006) ND (0.006)	ND (0.006) UJ ND (0.006)	ND (0.0081) ND (0.0081)	ND (0.0049)	ND (0.0067)	ND (0.005) ND (0.005) UJ
1,1,2-Trichloroethane	0.3	0.03	ND (0.0053)	ND (0.0083)	ND (0.0064)	ND (0.0049)	ND (0.0071)	ND (0.0058)	ND (0.0066)	ND (0.0058)	ND (0.0061)	ND (0.0065)	ND (0.006)	ND (0.006)	ND (0.0081)	ND (0.0049)	ND (0.0067)	ND (0.005)
1,1-Dichloroethane	58	5.6	ND (0.0053)	ND (0.0083)	ND (0.0064)	ND (0.0049)	ND (0.0071)	ND (0.0058)	ND (0.0066)	ND (0.0058)	ND (0.0061)	ND (0.0065)	ND (0.006)	ND (0.006)	ND (0.0081)	ND (0.0049)	ND (0.0067)	ND (0.005)
1,1-Dichloroethene	42	0.058	ND (0.0053)	ND (0.0083)	ND (0.0064)	ND (0.0049)	ND (0.0071)	0.018	ND (0.0066)	ND (0.0058)	ND (0.0061)	ND (0.0065)	ND (0.006)	ND (0.006)	ND (0.0081)	0.0021 J	ND (0.0067)	0.067 ^b
1,1-Dichloropropene 1,2,3-Trichlorobenzene	*	*	ND (0.0053) ND (0.022)	ND (0.0083) ND (0.034)	ND (0.0064) ND (0.026) UJ	ND (0.0049) ND (0.02)	ND (0.0071) ND (0.029)	ND (0.0058) ND (0.023)	ND (0.0066) ND (0.027)	ND (0.0058) ND (0.024)	ND (0.0061) ND (0.025)	ND (0.0065) ND (0.026)	ND (0.006) ND (0.024)	ND (0.006) ND (0.024)	ND (0.0081) ND (0.033)	ND (0.0049) ND (0.02)	ND (0.0067) ND (0.027)	ND (0.005) ND (0.02) UJ
1,2,3-Trichloropropane	*	*	ND (0.0053)	ND (0.0083)	ND (0.0064)	ND (0.0049)	ND (0.0071)	ND (0.0058)	ND (0.0066)	ND (0.0058)	ND (0.0061)	ND (0.0065)	ND (0.006)	ND (0.006)	ND (0.0081)	ND (0.0049)	ND (0.0067)	ND (0.005) UJ
1,2,4-Trichlorobenzene	77	5.3	ND (0.022)	ND (0.034)	ND (0.026) UJ	ND (0.02)	ND (0.029)	0.0026 J	ND (0.027)	ND (0.024)	ND (0.025)	ND (0.026)	ND (0.024)	ND (0.024)	ND (0.033)	ND (0.02)	ND (0.027)	ND (0.02) UJ
1,2,4-Trimethylbenzene 1,2-Dibromo-3-chloropropane (DBCP)	170	2.5	ND (0.022) ND (0.022)	ND (0.034) ND (0.034)	ND (0.026) ND (0.026) UJ	ND (0.02) ND (0.02) UJ	ND (0.029) ND (0.029) UJ	0.58 J ND (0.023) UJ	ND (0.027) ND (0.027) UJ	ND (0.024) ND (0.024) UJ	ND (0.025) ND (0.025) UJ	ND (0.026) ND (0.026) UJ	ND (0.024) ND (0.024) UJ	ND (0.024) ND (0.024) UJ	ND (0.033) ND (0.033) UJ	ND (0.02) ND (0.02) UJ	ND (0.027) ND (0.027) UJ	0.0043 J ND (0.02) UJ
1,2-Dibromoethane (Ethylene Dibromide)	*	*	ND (0.022)	ND (0.034)	ND (0.026)	ND (0.02)	ND (0.029)	ND (0.023)	ND (0.027)	ND (0.024)	ND (0.025)	ND (0.026)	ND (0.024)	ND (0.024)	ND (0.033)	ND (0.02)	ND (0.027)	ND (0.02)
1,2-Dichlorobenzene	220	17	ND (0.0053) UJ	ND (0.0083) UJ	ND (0.0064)	ND (0.0049)	ND (0.0071)	ND (0.0058)	ND (0.0066)	ND (0.0058)	ND (0.0061)	ND (0.0065)	ND (0.006)	ND (0.006)	ND (0.0081)	ND (0.0049)	ND (0.0067)	ND (0.005) UJ
1,2-Dichloroethane	0.15	0.024	ND (0.0053)	ND (0.0083)	ND (0.0064)	ND (0.0049) UJ	ND (0.0071) UJ	ND (0.0058)	ND (0.0066) UJ	ND (0.0058) UJ	ND (0.0061) UJ	ND (0.0065)	ND (0.006) UJ	ND (0.006) UJ	ND (0.0081)	ND (0.0049)	ND (0.0067)	0.022
1,2-Dichloropropane 1,3,5-Trimethylbenzene	0.25 68	0.03 0.61	ND (0.0053) ND (0.022)	ND (0.0083) ND (0.034)	ND (0.0064) ND (0.026)	ND (0.0049) ND (0.02)	ND (0.0071) ND (0.029)	ND (0.0058) 0.32	ND (0.0066) ND (0.027)	ND (0.0058) ND (0.024)	ND (0.0061) ND (0.025)	ND (0.0065) ND (0.026)	ND (0.006) ND (0.024)	ND (0.006) ND (0.024)	ND (0.0081) ND (0.033)	ND (0.0049) ND (0.02)	ND (0.0067) ND (0.027)	ND (0.005) ND (0.02) UJ
1,3-Dichlorobenzene	2.7	0.2	ND (0.0053)	ND (0.0083)	ND (0.0064)	ND (0.0049)	ND (0.0071)	ND (0.0058)	ND (0.0066)	ND (0.0058)	ND (0.0061)	ND (0.0065)	ND (0.006)	ND (0.006)	ND (0.0081)	ND (0.0049)	ND (0.0067)	ND (0.005) UJ
1,3-Dichloropropane	*	*	ND (0.0053)	ND (0.0083)	ND (0.0064)	ND (0.0049)	ND (0.0071)	ND (0.0058)	ND (0.0066)	ND (0.0058)	ND (0.0061)	ND (0.0065)	ND (0.006)	ND (0.006)	ND (0.0081)	ND (0.0049)	ND (0.0067)	ND (0.005)
1,4-Dichlorobenzene 2,2-Dichloropropane	3.4	2.2	ND (0.0053) ND (0.0053)	ND (0.0083) ND (0.0083)	ND (0.0064) ND (0.0064)	ND (0.0049) ND (0.0049)	ND (0.0071) ND (0.0071)	ND (0.0058) ND (0.0058)	ND (0.0066) ND (0.0066) UJ	ND (0.0058) ND (0.0058)	ND (0.0061) ND (0.0061)	ND (0.0065) ND (0.0065)	ND (0.006) ND (0.006)	ND (0.006) ND (0.006)	ND (0.0081) ND (0.0081)	ND (0.0049) ND (0.0049)	ND (0.0067) ND (0.0067)	ND (0.005) UJ ND (0.005)
2-Butanone (Methyl Ethyl Ketone)	250	35	ND (0.022) UJ	ND (0.034) UJ	ND (0.026) UJ	ND (0.02) UJ	ND (0.029) UJ	ND (0.023) UJ	ND (0.027) UJ	ND (0.024) UJ	ND (0.025) UJ	ND (0.026) UJ	ND (0.024) UJ	ND (0.024) UJ	ND (0.033) UJ	ND (0.02)	ND (0.027) UJ	ND (0.02) UJ
2-Chlorotoluene	*	*	ND (0.022)	ND (0.034)	ND (0.026)	ND (0.02)	ND (0.029)	ND (0.023)	ND (0.027)	ND (0.024)	ND (0.025)	ND (0.026)	ND (0.024)	ND (0.024)	ND (0.033)	ND (0.02)	ND (0.027)	ND (0.02) UJ
2-Hexanone 2-Phenylbutane (sec-Butylbenzene)	*	*	ND (0.022) ND (0.022)	ND (0.034) ND (0.034)	ND (0.026) UJ ND (0.026)	ND (0.02) UJ ND (0.02)	ND (0.029) UJ ND (0.029)	0.022 J 0.044	ND (0.027) UJ ND (0.027)	ND (0.024) UJ ND (0.024)	ND (0.025) UJ ND (0.025)	ND (0.026) UJ ND (0.026)	ND (0.024) UJ ND (0.024)	ND (0.024) UJ ND (0.024)	ND (0.033) UJ ND (0.033)	ND (0.02) ND (0.02)	ND (0.027) UJ ND (0.027)	ND (0.02) UJ ND (0.02) UJ
4-Chlorotoluene	*	*	ND (0.022) UJ	ND (0.034) UJ	ND (0.026)	ND (0.02)	ND (0.029)	ND (0.023)	ND (0.027)	ND (0.024)	ND (0.025)	ND (0.026)	ND (0.024)	ND (0.024)	ND (0.033)	ND (0.02)	ND (0.027)	ND (0.02) UJ
4-Methyl-2-Pentanone																		
(Methyl Isobutyl Ketone)	75	20	ND (0.022)	ND (0.034)	ND (0.026)	ND (0.02)	ND (0.029)	ND (0.023)	ND (0.027)	ND (0.024)	ND (0.025)	ND (0.026)	ND (0.024)	ND (0.024)	ND (0.033)	ND (0.02)	ND (0.027)	0.007 J
Acetone Benzene	370 0.35	3.8 0.034	ND (0.053) ND (0.0053)	ND (0.083) ND (0.0083)	ND (0.064) ND (0.0064)	ND (0.049) UJ ND (0.0049)	ND (0.071) UJ ND (0.0071)	0.093 ND (0.0058)	ND (0.066) UJ ND (0.0066)	ND (0.058) UJ ND (0.0058)	ND (0.061) UJ ND (0.0061)	ND (0.065) ND (0.0065)	ND (0.06) UJ ND (0.006)	ND (0.06) UJ ND (0.006)	ND (0.081) ND (0.0081)	ND (0.049) ND (0.0049)	ND (0.067) ND (0.0067)	0.19 0.0059
Bromobenzene	*	*	ND (0.0053)	ND (0.0083)	ND (0.0064)	ND (0.0049)	ND (0.0071)	ND (0.0058)	ND (0.0066)	ND (0.0058)	ND (0.0061)	ND (0.0065)	ND (0.006)	ND (0.006)	ND (0.0081)	ND (0.0049)	ND (0.0067)	ND (0.005) UJ
Bromodichloromethane	0.51	0.51	ND (0.0053)	ND (0.0083)	ND (0.0064)	ND (0.0049)	ND (0.0071)	ND (0.0058)	ND (0.0066) UJ	ND (0.0058) UJ	ND (0.0061) UJ	ND (0.0065)	ND (0.006) UJ	ND (0.006) UJ	ND (0.0081)	ND (0.0049)	ND (0.0067)	ND (0.005)
Bromoform Bromomethane (Methyl Bromide)	2.7 0.7	0.6 0.052	ND (0.0053) UJ ND (0.0053)	ND (0.0083) UJ ND (0.0083)	ND (0.0064) ND (0.0064)	ND (0.0049) ND (0.0049) UJ	ND (0.0071) ND (0.0071) UJ	ND (0.0058) ND (0.0058)	ND (0.0066) ND (0.0066)	ND (0.0058) ND (0.0058) UJ	ND (0.0061) ND (0.0061) UJ	ND (0.0065) ND (0.0065)	ND (0.006) ND (0.006) UJ	ND (0.006) ND (0.006) UJ	ND (0.0081) ND (0.0081)	ND (0.0049) UJ ND (0.0049)	ND (0.0067) ND (0.0067)	ND (0.005) ND (0.005)
Carbon disulfide	82	10	ND (0.0053)	ND (0.0083)	ND (0.0064)	ND (0.0049)	ND (0.0071)	0.038 J	ND (0.0066)	ND (0.0058)	ND (0.0061)	ND (0.0065)	ND (0.006)	ND (0.006)	ND (0.0081)	ND (0.0049)	ND (0.0067)	0.0099 J
Carbon tetrachloride	0.29	0.066	ND (0.0053) UJ	ND (0.0083) UJ	ND (0.0064)	ND (0.0049)	ND (0.0071)	ND (0.0058)	ND (0.0066) UJ	ND (0.0058)	ND (0.0061)	ND (0.0065)	ND (0.006)	ND (0.006)	ND (0.0081)	ND (0.0049)	ND (0.0067)	ND (0.005)
Chlorobenzene Chlorobromomethane	27	1.3	ND (0.0053) ND (0.0053)	ND (0.0083) ND (0.0083)	ND (0.0064) ND (0.0064)	ND (0.0049) ND (0.0049)	ND (0.0071) ND (0.0071)	ND (0.0058) ND (0.0058)	ND (0.0066) ND (0.0066)	ND (0.0058) ND (0.0058)	ND (0.0061) ND (0.0061)	ND (0.0065) ND (0.0065)	ND (0.006) ND (0.006)	ND (0.006) ND (0.006)	ND (0.0081) ND (0.0081)	ND (0.0049) ND (0.0049)	ND (0.0067) ND (0.0067)	0.0011 J ND (0.005)
Chloroethane	10	0.65	ND (0.0053)	ND (0.0083)	ND (0.0064)	ND (0.0049)	ND (0.0071)	ND (0.0058)	ND (0.0066) UJ	ND (0.0058) UJ	ND (0.0061) UJ	ND (0.0065)	ND (0.006) UJ	ND (0.006) UJ	ND (0.0081)	ND (0.0049)	ND (0.0067)	ND (0.005)
Chloroform (Trichloromethane)	1.2	0.47	0.00097 J	0.0011 J	0.0014	ND (0.0049)	ND (0.0071)	0.0027 J	ND (0.0066)	ND (0.0058)	ND (0.0061)	ND (0.0065)	ND (0.006)	ND (0.006)	0.0013 J	ND (0.0049)	ND (0.0067)	ND (0.005)
Chloromethane (Methyl Chloride) cis-1,2-Dichloroethene	5.8	0.4	ND (0.0053) 0.16	ND (0.0083) 0.18	ND (0.0064) 0.34	ND (0.0049) 0.48 ^b	ND (0.0071) 0.56 ^b	ND (0.0058) 4.7 ^b	ND (0.0066) 0.027	ND (0.0058) 0.0064	ND (0.0061) 0.0063	ND (0.0065) 0.34	ND (0.006) ND (0.006)	ND (0.006) ND (0.006)	ND (0.0081) 2.0 ^b	ND (0.0049) 0.27	ND (0.0067) 0.29	ND (0.005) 46 ^{ab}
cis-1,3-Dichloropropene	*	*	ND (0.0053)	ND (0.0083)	ND (0.0064)	ND (0.0049)	ND (0.0071)	ND (0.0058)	ND (0.0066)	ND (0.0058)	ND (0.0061)	ND (0.0065)	ND (0.006)	ND (0.006)	ND (0.0081)	ND (0.0049)	ND (0.0067)	ND (0.005)
Cymene (p-Isopropyltoluene)	*	*	ND (0.022)	ND (0.034)	ND (0.026)	ND (0.02)	ND (0.029)	0.054	ND (0.027)	ND (0.024)	ND (0.025)	ND (0.026)	ND (0.024)	ND (0.024)	ND (0.033)	ND (0.02)	ND (0.027)	ND (0.02) UJ
Dibromochloromethane	*	*	ND (0.0053) ND (0.0053)	ND (0.0083)	ND (0.0064)	ND (0.0049) ND (0.0049)	ND (0.0071) ND (0.0071)	ND (0.0058)	ND (0.0066)	ND (0.0058)	ND (0.0061)	ND (0.0065)	ND (0.006)	ND (0.006) ND (0.006)	ND (0.0081) ND (0.0081)	ND (0.0049) ND (0.0049)	ND (0.0067) ND (0.0067)	ND (0.005) ND (0.005)
Dibromomethane Dichlorodifluoromethane (CFC-12)	*	*	ND (0.0053) ND (0.0053)	ND (0.0083) ND (0.0083)	ND (0.0064) ND (0.0064)	ND (0.0049) ND (0.0049)	ND (0.0071) ND (0.0071)	ND (0.0058) ND (0.0058)	ND (0.0066) ND (0.0066)	ND (0.0058) ND (0.0058)	ND (0.0061) ND (0.0061)	ND (0.0065) ND (0.0065)	ND (0.006) ND (0.006)	ND (0.006) ND (0.006)	ND (0.0081) ND (0.0081)	ND (0.0049) ND (0.0049)	ND (0.0067) ND (0.0067)	ND (0.005)
Ethylbenzene	160	13	ND (0.0053)	ND (0.0083)	ND (0.0064)	ND (0.0049)	ND (0.0071)	0.007	ND (0.0066)	ND (0.0058)	ND (0.0061)	ND (0.0065)	ND (0.006)	ND (0.006)	ND (0.0081)	ND (0.0049)	ND (0.0067)	0.0017 J
Hexachlorobutadiene	44	16	ND (0.022) UJ	ND (0.034) UJ ND (0.034)	ND (0.026) ND (0.026)	ND (0.02) ND (0.02)	ND (0.029)	ND (0.023) 0.0076 I	ND (0.027)	ND (0.024)	ND (0.025)	ND (0.026)	ND (0.024)	ND (0.024) ND (0.024)	ND (0.033) ND (0.033)	ND (0.02) ND (0.02)	ND (0.027)	ND (0.02) UJ
Isopropylbenzene m&p-Xylene	*	*	ND (0.022) ND (0.0053) UJ	ND (0.034) ND (0.0083) UJ	ND (0.026) ND (0.0064)	ND (0.02) ND (0.0049)	ND (0.029) ND (0.0071)	0.0076)	ND (0.027) ND (0.0066)	ND (0.024) ND (0.0058)	ND (0.025) ND (0.0061)	ND (0.026) ND (0.0065)	ND (0.024) ND (0.006)	ND (0.024) ND (0.006)	ND (0.033) ND (0.0081)	ND (0.02) ND (0.0049) UJ	ND (0.027) ND (0.0067)	ND (0.02) 0.0047 J
Methylene chloride	1.8	0.023	0.002 J	0.0033 J	ND (0.013)	ND (0.0097)	ND (0.015)	ND (0.012)	ND (0.014)	ND (0.012)	ND (0.013)	ND (0.013)	ND (0.012)	ND (0.012)	ND (0.017)	0.0016 J	ND (0.014)	ND (0.0099)
Naphthalene	170	0.7	ND (0.022)	ND (0.034)	ND (0.026) UJ	ND (0.02) UJ	ND (0.029) UJ	0.0026 J	ND (0.027)	ND (0.024) UJ	ND (0.025) UJ	ND (0.026) UJ	ND (0.024) UJ	ND (0.024) UJ	ND (0.033) UJ	ND (0.02)	ND (0.027) UJ	ND (0.02) UJ
n-Butylbenzene	*	*	ND (0.022) ND (0.022)	ND (0.034) ND (0.034)	ND (0.026) ND (0.026)	ND (0.02) ND (0.02)	ND (0.029) ND (0.029)	0.14 0.15	ND (0.027) ND (0.027)	ND (0.024) ND (0.024)	ND (0.025)	ND (0.026)	ND (0.024)	ND (0.024)	ND (0.033) ND (0.033)	ND (0.02) ND (0.02)	ND (0.027) ND (0.027)	0.00086 J 0.0011 J
n-Propylbenzene o-Xylene	*	*	ND (0.022) ND (0.0053)	ND (0.034) ND (0.0083)	ND (0.026) ND (0.0064)	ND (0.02) ND (0.0049)	ND (0.029) ND (0.0071)	0.014	ND (0.0066)	ND (0.0058)	ND (0.025) ND (0.0061)	ND (0.026) ND (0.0065)	ND (0.024) ND (0.006)	ND (0.024) ND (0.006)	ND (0.0081)	ND (0.0049)	ND (0.027) ND (0.0067)	0.0011 J 0.0029 J
Styrene	550	3.5	ND (0.0053)	ND (0.0083)	ND (0.0064)	ND (0.0049)	ND (0.0071)	ND (0.0058)	ND (0.0066)	ND (0.0058)	ND (0.0061)	ND (0.0065)	ND (0.006)	ND (0.006)	ND (0.0081)	ND (0.0049)	ND (0.0067)	ND (0.005)
tert-Butylbenzene	*	*	ND (0.022)	ND (0.034)	ND (0.026)	ND (0.02)	ND (0.029)	0.0012 J	ND (0.027)	ND (0.024)	ND (0.025)	ND (0.026)	ND (0.024)	ND (0.024)	ND (0.033)	ND (0.02)	ND (0.027)	ND (0.02) UJ
Tetrachloroethene	0.64	0.058	4.2 ^{ab}	3.7 ^{ab}	4.3 ^{ab}	2.3 ^{ab}	4.0 ^{ab}	22 ^{ab}	5.1 ^{ab}	0.0058 J	0.0045 J	0.71 ^{ab}	0.045	0.034 ND (0.006)	9.4 ^{ab}	0.0005 J	8.0 ^{ab}	0.47 ^b
Toluene trans-1,2-Dichloroethene	240 14	12 0.68	ND (0.0053) ND (0.0053)	ND (0.0083) ND (0.0083)	ND (0.0064) ND (0.0064)	ND (0.0049) 0.0011 J	ND (0.0071) ND (0.0071)	0.1 0.042	ND (0.0066) ND (0.0066)	ND (0.0058) ND (0.0058)	ND (0.0061) ND (0.0061)	0.0054 J ND (0.0065)	ND (0.006) ND (0.006)	ND (0.006) ND (0.006)	0.0018 J ND (0.0081)	0.0017 J 0.003 J	ND (0.0067) 0.002 J	0.29 0.07
trans-1,2-Dichloropropene	*	*	ND (0.0053)	ND (0.0083)	ND (0.0064) ND (0.0064)	ND (0.0049)	ND (0.0071) ND (0.0071)	ND (0.0058)	ND (0.0066)	ND (0.0058) ND (0.0058)	ND (0.0061) ND (0.0061)	ND (0.0065)	ND (0.006) ND (0.006)	ND (0.006) ND (0.006)	ND (0.0081) ND (0.0081)	ND (0.0049)	ND (0.0067)	ND (0.005)
Trichloroethene	0.082	0.057	3.1 ^{ab}	4.0 ^{ab}	9.5 ^{ab}	11 ^{ab}	13 ^{ab}	85 ^{ab}	11 ^{ab}	1.6 ^{ab}	1.0 ^{ab}	31 ^{ab}	0.0096 J	ND (0.0077) UJ	35 ^{ab}	96 ^{ab}	18 ^{ab}	160 ^{ab}
Trichlorofluoromethane (CFC-11)	*	*	ND (0.0053)	ND (0.0083)	ND (0.0064)	ND (0.0049)	ND (0.0071)	ND (0.0058)	ND (0.0066)	ND (0.0058)	ND (0.0061)	ND (0.0065)	ND (0.006)	ND (0.006)	ND (0.0081)	ND (0.0049)	ND (0.0067)	ND (0.005)

ND (0.0053)

ND (0.0083)

ND (0.0064)

ND (0.0049)

ND (0.0071)

0.00094 J

ND (0.0058)

ND (0.0061)

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Sample Location:			B-512	B-512	B-513	B-513	B-515	B-515	B-516	B-516	B-517	B-518	B-519	B-519	B-520	B-521	B-522	B-522
Sample ID: Sample Date:	IDEM RISC	IDEM RISC	S-081503-MG-072 8/15/2003	S-081503-MG-073 8/15/2003	S-080503-MG-005 8/5/2003	S-080503-MG-006 8/5/2003	S-081403-MG-060 8/14/2003	S-081403-MG-061 8/14/2003	S-081803-MG-076 8/18/2003	S-081803-MG-077 8/18/2003	S-081903-MG-079 8/19/2003	S-081903-MG-081 8/19/2003	S-081203-MG-047 8/12/2003	S-081203-MG-048 8/12/2003	S-080703-MG-023 8/7/2003	S-081403-MG-068 8/14/2003	S-081803-MG-074 8/18/2003	S-081803-MG-075 8/18/2003
Sample Dute: Sample Depth:	IDCL	RDCL	18-20 ft BGS	18-20 ft BGS	12-14 ft BGS	12-14 ft BGS	16-18 ft BGS	24-26 ft BGS	16-18 ft BGS	28-29.5 ft BGS	18-20 ft BGS	18-20 ft BGS	12-14 ft BGS	26-28 ft BGS	12-14 ft BGS	26-28 ft BGS	10-12 ft BGS	24-26 ft BGS
	а	b		Duplicate	,	Duplicate									,			
Volatile Organic Compounds (mg/kg)																		
1,1,1,2-Tetrachloroethane	0.85	0.053	ND (0.59)	ND (0.23)	ND (0.0058) UJ	ND (0.0065) UJ	ND (0.0058)	ND (0.0052)	ND (0.18)	ND (0.065)	ND (0.0065) UJ	ND (0.27)	ND (0.0065)	ND (0.0061)	ND (0.0059)	ND (0.0053)	ND (0.007) UJ	ND (0.47)
1,1,1-Trichloroethane	280	1.9	ND (0.59)	ND (0.23)	ND (0.0058)	ND (0.0065)	ND (0.0058)	ND (0.0052)	ND (0.18)	ND (0.065)	ND (0.0065)	ND (0.27)	ND (0.0065) UJ	ND (0.0061) UJ	ND (0.0059)	ND (0.0053)	ND (0.007) UJ	ND (0.47)
1,1,2,2-Tetrachloroethane	0.11	0.007	ND (0.59)	ND (0.23)	ND (0.0058)	ND (0.0065)	ND (0.0058)	ND (0.0052)	ND (0.18)	ND (0.065)	ND (0.0065) UJ	ND (0.27)	ND (0.0065)	ND (0.0061)	ND (0.0059)	ND (0.0053)	ND (0.007) UJ	ND (0.47)
1,1,2-Trichloroethane	0.3	0.03	ND (0.59)	ND (0.23)	ND (0.0058)	ND (0.0065)	ND (0.0058)	ND (0.0052)	ND (0.18)	ND (0.065)	0.0011 J	ND (0.27)	ND (0.0065)	ND (0.0061)	ND (0.0059)	ND (0.0053)	ND (0.007) UJ	ND (0.47)
1,1-Dichloroethane	58	5.6	ND (0.59)	ND (0.23)	ND (0.0058)	ND (0.0065)	ND (0.0058)	ND (0.0052)	ND (0.18)	ND (0.065)	ND (0.0065)	ND (0.27)	ND (0.0065)	ND (0.0061)	ND (0.0059)	ND (0.0053)	ND (0.007) UJ	ND (0.47)
1,1-Dichloroethene 1,1-Dichloropropene	42	0.058	ND (0.59) ND (0.59)	ND (0.23) ND (0.23)	ND (0.0058) ND (0.0058)	ND (0.0065) ND (0.0065)	ND (0.0058) ND (0.0058)	0.32 ^b ND (0.0052)	ND (0.18) ND (0.18)	ND (0.065) ND (0.065)	0.011 ND (0.0065)	ND (0.27) ND (0.27)	ND (0.0065) ND (0.0065)	ND (0.0061) ND (0.0061)	ND (0.0059) ND (0.0059)	0.0028 J ND (0.0053)	0.0037 J ND (0.007) UJ	0.15 J ^b ND (0.47)
1,2,3-Trichlorobenzene	*	*	ND (0.39)	ND (0.23) ND (0.91)	ND (0.0036)	ND (0.0063)	ND (0.0038)	ND (0.0032)	ND (0.16) ND (0.71) UJ	ND (0.26) UJ	ND (0.026) UI	ND (0.27) ND (1.1)	ND (0.0065)	ND (0.0051)	ND (0.0039)	ND (0.0033)	ND (0.028) UJ	ND (1.9) UJ
1,2,3-Trichloropropane	*	*	ND (0.59)	ND (0.23)	ND (0.0058)	ND (0.0065)	ND (0.0058)	ND (0.0052)	ND (0.18)	ND (0.065)	ND (0.0065) UJ	ND (0.27)	ND (0.0065)	ND (0.0061)	ND (0.0059)	ND (0.0053)	ND (0.007) UJ	ND (0.47)
1,2,4-Trichlorobenzene	77	5.3	ND (2.4)	ND (0.91)	ND (0.024)	ND (0.026)	ND (0.024)	ND (0.021)	ND (0.71) UJ	ND (0.26) UJ	ND (0.026) UJ	ND (1.1)	ND (0.026)	ND (0.025)	ND (0.024)	ND (0.022)	ND (0.028) UJ	ND (1.9) UJ
1,2,4-Trimethylbenzene	170	2.5	0.44 J	0.22 J	ND (0.024)	ND (0.026)	ND (0.024)	ND (0.021)	0.33 J	ND (0.26)	0.42 J	0.43 J	ND (0.026)	ND (0.025)	ND (0.024)	ND (0.022)	ND (0.028) UJ	ND (1.9)
1,2-Dibromo-3-chloropropane (DBCP) 1,2-Dibromoethane (Ethylene Dibromide)	*	*	ND (2.4) ND (2.4)	ND (0.91) ND (0.91)	ND (0.024) ND (0.024)	ND (0.026) ND (0.026)	ND (0.024) UJ ND (0.024)	ND (0.021) UJ ND (0.021)	ND (0.71) ND (0.71)	ND (0.26) ND (0.26)	ND (0.026) UJ ND (0.026)	ND (1.1) ND (1.1)	ND (0.026) UJ ND (0.026)	ND (0.025) UJ ND (0.025)	ND (0.024) UJ ND (0.024)	ND (0.022) UJ ND (0.022)	ND (0.028) UJ ND (0.028) UJ	ND (1.9) ND (1.9)
1,2-Dichlorobenzene	220	17	ND (0.59)	ND (0.23)	ND (0.0058) UJ	ND (0.0065) UJ	ND (0.0058)	ND (0.0052)	ND (0.18)	ND (0.065)	ND (0.0065) UJ	ND (0.27)	ND (0.0065)	ND (0.0061)	ND (0.0059)	ND (0.0053)	ND (0.007) UJ	ND (0.47)
1,2-Dichloroethane	0.15	0.024	ND (0.59)	ND (0.23)	ND (0.0058)	ND (0.0065)	ND (0.0058)	0.012	ND (0.18)	ND (0.065)	ND (0.0065)	ND (0.27)	ND (0.0065) UJ	ND (0.0061) UJ	ND (0.0059)	ND (0.0053)	ND (0.007) UJ	ND (0.47)
1,2-Dichloropropane	0.25	0.03	ND (0.59)	ND (0.23)	ND (0.0058)	ND (0.0065)	ND (0.0058)	ND (0.0052)	ND (0.18)	ND (0.065)	ND (0.0065)	ND (0.27)	ND (0.0065)	ND (0.0061)	ND (0.0059)	ND (0.0053)	ND (0.007) UJ	ND (0.47)
1,3,5-Trimethylbenzene	68	0.61	ND (2.4)	0.063 J	ND (0.024)	ND (0.026)	ND (0.024)	ND (0.021)	0.091 J	ND (0.26)	0.12	0.13 J	ND (0.026)	ND (0.025)	ND (0.024)	ND (0.022)	ND (0.028) UJ	ND (1.9)
1,3-Dichlorobenzene 1,3-Dichloropropane	2.7	0.2	ND (0.59) ND (0.59)	ND (0.23) ND (0.23)	ND (0.0058) ND (0.0058)	ND (0.0065) ND (0.0065)	ND (0.0058) ND (0.0058)	ND (0.0052) ND (0.0052)	ND (0.18) ND (0.18)	ND (0.065) ND (0.065)	ND (0.0065) UJ ND (0.0065)	ND (0.27) ND (0.27)	ND (0.0065) ND (0.0065)	ND (0.0061) ND (0.0061)	ND (0.0059) ND (0.0059)	ND (0.0053) ND (0.0053)	ND (0.007) UJ ND (0.007) UJ	ND (0.47) ND (0.47)
1,4-Dichlorobenzene	3.4	2.2	ND (0.59) ND (0.59)	ND (0.23) ND (0.23)	ND (0.0058) ND (0.0058)	ND (0.0065)	ND (0.0058)	ND (0.0052) ND (0.0052)	ND (0.18) ND (0.18)	ND (0.065)	ND (0.0065) ND (0.0065) UJ	ND (0.27) ND (0.27)	ND (0.0065)	ND (0.0061) ND (0.0061)	ND (0.0059) ND (0.0059)	ND (0.0053) ND (0.0053)	ND (0.007) UJ	ND (0.47) ND (0.47)
2,2-Dichloropropane	*	*	ND (0.59)	ND (0.23)	ND (0.0058)	ND (0.0065)	ND (0.0058)	ND (0.0052)	ND (0.18)	ND (0.065)	ND (0.0065)	ND (0.27)	ND (0.0065) UJ	ND (0.0061) UJ	ND (0.0059)	ND (0.0053)	ND (0.007) UJ	ND (0.47)
2-Butanone (Methyl Ethyl Ketone)	250	35	ND (24) UJ	ND (9.1) UJ	0.01 J	ND (0.026) UJ	ND (0.024)	ND (0.021)	ND (7.1)	ND (2.6)	ND (0.026)	ND (11)	ND (0.026) UJ	ND (0.025) UJ	ND (0.024) UJ	ND (0.022)	ND (0.028) UJ	ND (19)
2-Chlorotoluene 2-Hexanone	*	*	ND (2.4) ND (24) UJ	ND (0.91) ND (9.1) UJ	ND (0.024) ND (0.024)	ND (0.026) ND (0.026)	ND (0.024) ND (0.024)	ND (0.021) ND (0.021)	ND (0.71) ND (7.1)	ND (0.26) ND (2.6)	ND (0.026) UJ ND (0.026)	ND (1.1) ND (11)	ND (0.026) ND (0.026) UJ	ND (0.025) ND (0.025) UJ	ND (0.024) ND (0.024) UJ	ND (0.022) ND (0.022)	ND (0.028) UJ ND (0.028) UJ	ND (1.9) ND (19)
2-Phenylbutane (sec-Butylbenzene)	*	*	ND (2.4)	ND (9.1) OJ ND (0.91)	ND (0.024)	ND (0.026)	ND (0.024)	ND (0.021)	ND (0.71)	ND (0.26)	ND (0.026)	ND (11) ND (1.1)	ND (0.026) ND (0.026)	ND (0.025)	ND (0.024) O	ND (0.022)	ND (0.028) UJ	ND (19) ND (1.9)
4-Chlorotoluene	*	*	ND (2.4)	ND (0.91)	ND (0.024) UJ	ND (0.026) UJ	ND (0.024)	ND (0.021)	ND (0.71)	ND (0.26)	ND (0.026) UJ	ND (1.1)	ND (0.026)	ND (0.025)	ND (0.024)	ND (0.022)	ND (0.028) UJ	ND (1.9)
4-Methyl-2-Pentanone																		
(Methyl Isobutyl Ketone)	75	20	ND (24) UJ	ND (9.1) UJ	ND (0.024)	ND (0.026)	ND (0.024)	0.033	ND (7.1)	ND (2.6)	ND (0.026)	ND (11)	ND (0.026)	ND (0.025)	ND (0.024)	ND (0.022)	ND (0.028) UJ	ND (19)
Acetone	370	3.8 0.034	ND (24)	1.2 J	0.038 J	ND (0.065)	ND (0.058)	0.028 J 0.0066	ND (7.1)	ND (2.6)	0.059 J ND (0.0065)	2.0 J	ND (0.065) UJ	ND (0.061) UJ	ND (0.059)	0.013 J ND (0.0053)	0.043 J	9.2 J ^b
Benzene Bromobenzene	0.35	0.034 *	ND (0.59) ND (2.4)	ND (0.23) ND (0.91)	ND (0.0058) ND (0.0058)	ND (0.0065) ND (0.0065)	ND (0.0058) ND (0.0058)	ND (0.0052)	ND (0.18) ND (0.71)	ND (0.065) ND (0.26)	ND (0.0065) ND (0.0065) UJ	ND (0.27) ND (1.1)	ND (0.0065) ND (0.0065)	ND (0.0061) ND (0.0061)	ND (0.0059) ND (0.0059)	ND (0.0053) ND (0.0053)	ND (0.007) UJ ND (0.007) UJ	ND (0.47) ND (1.9)
Bromodichloromethane	0.51	0.51	ND (0.59)	ND (0.23)	ND (0.0058)	ND (0.0065)	ND (0.0058)	ND (0.0052)	ND (0.18)	ND (0.065)	ND (0.0065)	ND (0.27)	ND (0.0065) UJ	ND (0.0061) UJ	ND (0.0059)	ND (0.0053)	ND (0.007) UJ	ND (0.47)
Bromoform	2.7	0.6	ND (0.59)	ND (0.23)	ND (0.0058) UJ	ND (0.0065) UJ	ND (0.0058) UJ	ND (0.0052) UJ	ND (0.18) UJ	ND (0.065) UJ	ND (0.0065) UJ	ND (0.27)	ND (0.0065)	ND (0.0061)	ND (0.0059)	ND (0.0053) UJ	ND (0.007) UJ	ND (0.47) UJ
Bromomethane (Methyl Bromide)	0.7	0.052	ND (0.59) UJ	ND (0.23) UJ	ND (0.0058)	ND (0.0065)	ND (0.0058)	ND (0.0052)	ND (0.18) UJ	ND (0.065) UJ	ND (0.0065) UJ	ND (0.27)	ND (0.0065)	ND (0.0061)	ND (0.0059)	ND (0.0053)	ND (0.007) UJ	ND (0.47) UJ
Carbon disulfide Carbon tetrachloride	82 0.29	10 0.066	ND (0.59) ND (0.59)	ND (0.23) ND (0.23)	ND (0.0058) ND (0.0058) UJ	ND (0.0065) ND (0.0065) UJ	ND (0.0058) ND (0.0058)	ND (0.0052) ND (0.0052)	ND (0.18) ND (0.18) UJ	ND (0.065) ND (0.065) UJ	0.0038 J ND (0.0065)	ND (0.27) ND (0.27)	ND (0.0065) ND (0.0065) UJ	ND (0.0061) ND (0.0061) UJ	ND (0.0059) ND (0.0059)	ND (0.0053) ND (0.0053)	ND (0.007) UJ ND (0.007) UJ	ND (0.47) ND (0.47) UJ
Chlorobenzene	27	1.3	ND (0.59)	ND (0.23)	ND (0.0058)	ND (0.0065)	ND (0.0058)	ND (0.0052)	ND (0.18)	ND (0.065)	ND (0.0065)	ND (0.27)	ND (0.0065)	ND (0.0061)	ND (0.0059)	ND (0.0053)	ND (0.007) UJ	ND (0.47)
Chlorobromomethane	*	*	ND (0.59)	ND (0.23)	ND (0.0058)	ND (0.0065)	ND (0.0058)	ND (0.0052)	ND (0.18)	ND (0.065)	ND (0.0065)	ND (0.27)	ND (0.0065)	ND (0.0061)	ND (0.0059)	ND (0.0053)	ND (0.007) UJ	ND (0.47)
Chloroethane	10	0.65	ND (0.59)	ND (0.23)	ND (0.0058)	ND (0.0065)	ND (0.0058)	ND (0.0052)	ND (0.18) UJ	ND (0.065) UJ	ND (0.0065)	ND (0.27) UJ	ND (0.0065) UJ	ND (0.0061) UJ	ND (0.0059)	ND (0.0053)	ND (0.007) UJ	ND (0.47) UJ
Chloroform (Trichloromethane) Chloromethane (Methyl Chloride)	1.2	0.47	ND (0.59) ND (0.59) UJ	ND (0.23) ND (0.23) UJ	ND (0.0058) UJ ND (0.0058)	ND (0.0065) UJ ND (0.0065)	ND (0.0058) ND (0.0058)	ND (0.0052) ND (0.0052)	ND (0.18) ND (0.18)	ND (0.065) ND (0.065)	ND (0.0065) ND (0.0065)	0.068 J ND (0.27)	ND (0.0065) ND (0.0065)	ND (0.0061) ND (0.0061)	ND (0.0059) ND (0.0059)	0.0012 J ND (0.0053)	ND (0.007) UJ ND (0.007) UJ	ND (0.47) ND (0.47)
cis-1,2-Dichloroethene	5.8	0.4	7.0 ^{ab}	5.7 ^b	ND (0.0058)	ND (0.0065)	0.19	120 ^{ab}	9.0 ^{ab}	0.94 ^b	1.8 ^b	5.8 ^b	0.0031 J	ND (0.0061)	0.0031 J	2.9 ^b	0.45 J ^b	57 ^{ab}
cis-1,3-Dichloropropene	*	*	ND (0.59) UJ	ND (0.23) UJ	ND (0.0058)	ND (0.0065)	ND (0.0058)	ND (0.0052)	ND (0.18) UJ	ND (0.065) UI	ND (0.0065)	ND (0.27)	ND (0.0065)	ND (0.0061)	ND (0.0059)	ND (0.0053)	ND (0.007) UJ	ND (0.47) UJ
Cymene (p-Isopropyltoluene)	*	*	ND (2.4)	ND (0.91)	ND (0.024)	ND (0.026)	ND (0.024)	ND (0.021)	ND (0.71)	ND (0.26)	0.0046 J	ND (1.1)	ND (0.026)	ND (0.025)	ND (0.024)	ND (0.022)	ND (0.028) UJ	ND (1.9)
Dibromochloromethane	*	*	ND (0.59)	ND (0.23)	ND (0.0058)	ND (0.0065)	ND (0.0058)	ND (0.0052)	ND (0.18)	ND (0.065)	ND (0.0065)	ND (0.27)	ND (0.0065)	ND (0.0061)	ND (0.0059)	ND (0.0053)	ND (0.007) UJ	ND (0.47)
Dibromomethane Dichlorodifluoromethane (CFC-12)	*	*	ND (0.59) ND (0.59)	ND (0.23) ND (0.23)	ND (0.0058) ND (0.0058)	ND (0.0065) ND (0.0065)	ND (0.0058) ND (0.0058)	ND (0.0052) ND (0.0052)	ND (0.18) ND (0.18)	ND (0.065) ND (0.065)	ND (0.0065) ND (0.0065)	ND (0.27) ND (0.27)	ND (0.0065) ND (0.0065)	ND (0.0061) ND (0.0061)	ND (0.0059) ND (0.0059)	ND (0.0053) ND (0.0053)	ND (0.007) UJ ND (0.007) UJ	ND (0.47) ND (0.47)
Ethylbenzene	160	13	ND (0.59) ND (0.59)	ND (0.23) ND (0.23)	ND (0.0058)	ND (0.0065)	ND (0.0058)	ND (0.0052) ND (0.0052)	ND (0.18) ND (0.18)	ND (0.065)	0.025	0.073 J	ND (0.0065)	ND (0.0061) ND (0.0061)	ND (0.0059) ND (0.0059)	ND (0.0053) ND (0.0053)	ND (0.007) UJ	ND (0.47) ND (0.47)
Hexachlorobutadiene	44	16	ND (2.4)	ND (0.91)	ND (0.024) UJ	ND (0.026) ÚJ	ND (0.024)	ND (0.021)	ND (0.71)	ND (0.26)	ND (0.026) UJ	ND (1.1)	ND (0.026)	ND (0.025)	ND (0.024)	ND (0.022)	ND (0.028) UJ	ND (1.9)
Isopropylbenzene	*	*	ND (2.4) UJ	ND (0.91) UJ	ND (0.024)	ND (0.026)	ND (0.024)	ND (0.021)	ND (0.71)	ND (0.26)	0.0062 J	ND (1.1)	ND (0.026)	ND (0.025)	ND (0.024)	ND (0.022)	ND (0.028) UJ	ND (1.9)
m&p-Xylene	*	*	0.34 J	0.15 J	ND (0.0058) UJ	ND (0.0065) UJ	ND (0.0058) UJ	ND (0.0052) UJ	ND (0.18)	ND (0.065)	0.1 J	0.34	ND (0.0065)	ND (0.0061)	ND (0.0059)	ND (0.0053) UJ	ND (0.007) UJ	ND (0.47)
Methylene chloride Naphthalene	1.8 170	0.023 0.7	ND (2.4) UJ ND (2.4) UJ	0.095 J ^b ND (0.91) UJ	0.0027 J ND (0.024)	0.0028 J ND (0.026)	ND (0.012) ND (0.024)	ND (0.011) ND (0.021)	ND (0.71) ND (0.71) UJ	ND (0.26) ND (0.26) UJ	ND (0.013) 0.003 J	ND (1.1) ND (1.1)	ND (0.013) ND (0.026)	ND (0.013) ND (0.025)	ND (0.012) ND (0.024) UJ	ND (0.011) ND (0.022)	ND (0.014) ND (0.028) UJ	ND (1.9) ND (1.9) UJ
n-Butylbenzene	*	*	ND (2.4)	ND (0.91)	ND (0.024)	ND (0.026)	ND (0.024)	ND (0.021)	ND (0.71)	ND (0.26)	0.014 J	ND (1.1)	ND (0.026)	ND (0.025)	ND (0.024)	ND (0.022)	ND (0.028) UJ	ND (1.9)
n-Propylbenzene	*	*	ND (2.4)	ND (0.91)	ND (0.024)	ND (0.026)	ND (0.024)	ND (0.021)	ND (0.71)	ND (0.26)	0.064 J	ND (1.1)	ND (0.026)	ND (0.025)	ND (0.024)	ND (0.022)	ND (0.028) UJ	ND (1.9)
o-Xylene	*	*	0.11 J	0.050 J	ND (0.0058)	ND (0.0065)	ND (0.0058)	ND (0.0052)	ND (0.18)	ND (0.065)	0.036 J	0.12 J	ND (0.0065)	ND (0.0061)	ND (0.0059)	ND (0.0053)	ND (0.007) UJ	ND (0.47)
Styrene tert-Butylbenzene	550 *	3.5	ND (0.59) UJ ND (2.4) UJ	ND (0.23) UJ ND (0.91) UJ	ND (0.0058) ND (0.024)	ND (0.0065) ND (0.026)	0.001 J ND (0.024)	ND (0.0052) ND (0.021)	ND (0.18) ND (0.71)	ND (0.065)	0.0011 J ND (0.026) UJ	ND (0.27)	ND (0.0065)	ND (0.0061) ND (0.025)	ND (0.0059) ND (0.024)	ND (0.0053) ND (0.022)	ND (0.007) UJ	ND (0.47) ND (1.9)
Tetrachloroethene	0.64	0.058	ND (2.4) UJ 45 J ^{ab}	ND (0.91) UJ 21 J ^{ab}	ND (0.024) ND (0.0058)	ND (0.026) 0.00058 J	0.45 ^b	0.00061 J	4.0 ^{ab}	ND (0.26) 2.2 ^{ab}	0.29 ^b	ND (1.1) 26 ^{ab}	ND (0.026) 0.00085 J	ND (0.025) 0.0027 J	ND (0.024) 0.00071 J	ND (0.022) 0.03	ND (0.028) UJ ND (0.007)	ND (1.9) 1.8 ^{ab}
Toluene	240	12	45 J 8.5 J	5.0 J	ND (0.0058)	ND (0.0065)	ND (0.0058)	0.0039 J	0.48	ND (0.065)	0.47	4.5	ND (0.0065)	ND (0.0061)	ND (0.0059)	ND (0.0053)	0.0049 J	7.9
trans-1,2-Dichloroethene	14	0.68	ND (0.59)	ND (0.23)	ND (0.0058)	ND (0.0065)	ND (0.0058)	1.2 ^b	ND (0.18)	ND (0.065)	0.017	ND (0.27)	ND (0.0065)	ND (0.0061)	ND (0.0059)	0.0037 J	0.0056 J	ND (0.47)
trans-1,3-Dichloropropene	*	*	ND (0.59)	ND (0.23)	ND (0.0058)	ND (0.0065)	ND (0.0058)	ND (0.0052)	ND (0.18) UJ	ND (0.065) UJ	ND (0.0065)	ND (0.27)	ND (0.0065)	ND (0.0061)	ND (0.0059)	ND (0.0053)	ND (0.007) UJ	ND (0.47) UJ
Trichloroethene	0.082	0.057	370 ^{ab}	310 ^{ab}	0.059 J ^b	0.21 J ^{ab}	14 ^{ab}	8.1 ^{ab}	60^{ab}	8.8 ^{ab}	3.5 ^{ab}	240 ^{ab}	0.0074	0.23 ^{ab}	0.14 ^{ab}	20 ^{ab}	ND (0.007)	290 ^{ab}
Trichlorofluoromethane (CFC-11)	*	*	ND (0.59)	ND (0.23)	ND (0.0058)	ND (0.0065)	ND (0.0058)	ND (0.0052)	ND (0.18)	ND (0.065)	ND (0.0065)	ND (0.27)	ND (0.0065)	ND (0.0061)	ND (0.0059)	ND (0.0053)	ND (0.007) UJ	ND (0.47)
Vinyl chloride	0.013	0.013	ND (0.59)	ND (0.23)	ND (0.0058)	ND (0.0065)	ND (0.0058)	0.02 ^{ab}	ND (0.18)	ND (0.065)	0.3 ^{ab}	ND (0.27)	ND (0.0065)	ND (0.0061)	ND (0.0059)	ND (0.0053)	0.23 J ^{ab}	0.79 ^{ab}

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Sample Location:			B-523	B-523	B-524	B-524	B-525	B-526	B-527	B-528	B-528	B-528	B-529	B-529	B-530	B-531	B-531	B-533
Sample ID: Sample Date:	IDEM RISC	IDEM RISC	S-081203-MG-049 8/12/2003	S-081203-MG-050 8/12/2003	S-081503-MG-069 8/15/2003	S-081503-MG-070 8/15/2003	S-080503-MG-008 8/5/2003	S-081303-MG-051 8/13/2003	S-080703-MG-025 8/7/2003	S-081403-MG-064 8/14/2003	S-081403-MG-065 8/14/2003	S-081403-MG-066 8/14/2003	S-081303-MG-058 8/13/2003	S-081303-MG-059 8/13/2003	S-080803-MG-033 8/8/2003	S-081103-MG-038 8/11/2003	S-081103-MG-039 8/11/2003	S-081103-MG-036 8/11/2003
Sample Date: Sample Depth:	IDCL	RDCL	22-24 ft BGS	26-28 ft BGS	10-12 ft BGS	22-24 ft BGS	10-12 ft BGS	10-12 ft BGS	22-24 ft BGS	14-16 ft BGS	14-16 ft BGS	24-26 ft BGS	16-18 ft BGS	24-26 ft BGS	22-24 ft BGS	10-12 ft BGS	26-28 ft BGS	14-16 ft BGS
	а	b			,	,	,			,	Duplicate	,			,		/	,
Volatile Organic Compounds (mg/kg) 1,1,1,2-Tetrachloroethane	0.05	0.053	ND (0.0049)	NID (0.00E4)	NID (0.00E()	NID (0.0046)	ND (0.0058) UJ	ND (0.0064)	ND (0.0061)	NTD (0.00E4)	ND (0.0044)	NTD (0.00c)	NID (0.00E1)	NID (0.00(4)	NID (0.00E1)	ND (0.0053)	ND (0.0062)	ND (0.0069)
1,1,1-Z-Tetrachioroethane 1,1,1-Trichloroethane	0.85 280	1.9	ND (0.0049) ND (0.0049)	ND (0.0054) ND (0.0054)	ND (0.0056) ND (0.0056)	ND (0.0046) ND (0.0046)	ND (0.0058) UJ ND (0.0058)	ND (0.0064) ND (0.0064)	ND (0.0061) ND (0.0061)	ND (0.0054) ND (0.0054)	ND (0.0044) ND (0.0044)	ND (0.006) ND (0.006)	ND (0.0051) ND (0.0051)	ND (0.0064) ND (0.0064)	ND (0.0051) ND (0.0051)	ND (0.0053) ND (0.0053) UJ	ND (0.0062) ND (0.0062) UJ	ND (0.0069) ND (0.0069) UJ
1,1,2,2-Tetrachloroethane	0.11	0.007	ND (0.0049)	ND (0.0054)	ND (0.0056)	0.02 ^b	ND (0.0058)	ND (0.0064)	ND (0.0061)	ND (0.0054)	ND (0.0044)	0.0011 J	ND (0.0051) UJ	ND (0.0064)	ND (0.0051)	ND (0.0053)	ND (0.0062)	ND (0.0069)
1,1,2-Trichloroethane	0.11	0.03	ND (0.0049)	ND (0.0054)	ND (0.0056)	ND (0.0046)	ND (0.0058)	ND (0.0064)	ND (0.0061)	ND (0.0054)	ND (0.0044)	0.0077	ND (0.0051)	ND (0.0064)	ND (0.0051)	ND (0.0053)	ND (0.0062)	ND (0.0069)
1,1-Dichloroethane	58	5.6	ND (0.0049)	ND (0.0054)	ND (0.0056)	ND (0.0046)	ND (0.0058)	ND (0.0064)	ND (0.0061)	ND (0.0054)	ND (0.0044)	ND (0.006)	ND (0.0051)	ND (0.0064)	ND (0.0051)	ND (0.0053)	ND (0.0062)	ND (0.0069)
1,1-Dichloroethene	42	0.058	0.0067	0.001 J	ND (0.0056)	0.039	ND (0.0058)	ND (0.0064)	ND (0.0061)	0.0038 [0.0063	0.046	0.0016 J	0.015	ND (0.0051)	ND (0.0053)	ND (0.0062)	ND (0.0069)
1,1-Dichloropropene	*	*	ND (0.0049)	ND (0.0054)	ND (0.0056)	0.0042 J	ND (0.0058)	ND (0.0064)	ND (0.0061)	ND (0.0054)	ND (0.0044)	ND (0.006)	ND (0.0051)	ND (0.0064)	ND (0.0051)	ND (0.0053)	ND (0.0062)	ND (0.0069)
1,2,3-Trichlorobenzene	*	*	ND (0.02)	ND (0.022)	ND (0.023)	ND (0.019)	ND (0.023)	ND (0.026)	ND (0.025)	ND (0.022)	ND (0.018)	ND (0.024)	ND (0.021) UJ	ND (0.026)	ND (0.021)	ND (0.021)	ND (0.025)	ND (0.028)
1,2,3-Trichloropropane	* 77	*	ND (0.0049)	ND (0.0054)	ND (0.0056)	0.0062	ND (0.0058)	ND (0.0064)	ND (0.0061)	ND (0.0054)	ND (0.0044)	ND (0.006)	ND (0.0051) UJ	ND (0.0064)	ND (0.0051)	ND (0.0053)	ND (0.0062)	ND (0.0069)
1,2,4-Trichlorobenzene 1,2,4-Trimethylbenzene	170	5.3 2.5	ND (0.02) ND (0.02)	ND (0.022) ND (0.022)	ND (0.023) ND (0.023)	ND (0.019) 0.27 J	ND (0.023) ND (0.023)	ND (0.026) ND (0.026)	ND (0.025) ND (0.025)	ND (0.022) ND (0.022)	ND (0.018) ND (0.018)	ND (0.024) 0.021 J	ND (0.021) UJ ND (0.021) UJ	ND (0.026) ND (0.026)	ND (0.021) 0.0046 J	ND (0.021) ND (0.021)	ND (0.025) ND (0.025)	ND (0.028) ND (0.028)
1,2-Dibromo-3-chloropropane (DBCP)	*	*	ND (0.02)	ND (0.022)	ND (0.023)	ND (0.019)	ND (0.023)	ND (0.026) UI	ND (0.025) UJ	ND (0.022)	ND (0.018) UJ	ND (0.024) UI	ND (0.021) UJ	ND (0.026) UJ	ND (0.021) UJ	ND (0.021)	ND (0.025) UI	ND (0.028) UJ
1,2-Dibromoethane (Ethylene Dibromide)	*	*	ND (0.02)	ND (0.022)	ND (0.023)	ND (0.019)	ND (0.023)	ND (0.026)	ND (0.025)	ND (0.022)	ND (0.018)	ND (0.024)	ND (0.021)	ND (0.026)	ND (0.021)	ND (0.021)	ND (0.025)	ND (0.028)
1,2-Dichlorobenzene	220	17	ND (0.0049)	ND (0.0054)	ND (0.0056)	ND (0.0046)	ND (0.0058) UJ	ND (0.0064)	ND (0.0061)	ND (0.0054)	ND (0.0044)	ND (0.006)	ND (0.0051) UJ	ND (0.0064)	ND (0.0051)	ND (0.0053)	ND (0.0062)	ND (0.0069)
1,2-Dichloroethane	0.15	0.024	0.0054	0.0032 J	ND (0.0056)	0.062 ^b	ND (0.0058)	ND (0.0064)	ND (0.0061)	ND (0.0054)	ND (0.0044)	0.0039 J	ND (0.0051)	ND (0.0064)	ND (0.0051)	ND (0.0053) UJ	ND (0.0062) UJ	ND (0.0069) UJ
1,2-Dichloropropane	0.25	0.03	ND (0.0049)	ND (0.0054)	ND (0.0056)	ND (0.0046)	ND (0.0058)	ND (0.0064)	ND (0.0061)	ND (0.0054)	ND (0.0044)	ND (0.006)	ND (0.0051)	ND (0.0064)	ND (0.0051)	ND (0.0053)	ND (0.0062)	ND (0.0069)
1,3,5-Trimethylbenzene	68	0.61	ND (0.02)	ND (0.022)	ND (0.023)	0.19	ND (0.023)	ND (0.026)	ND (0.025)	ND (0.022)	ND (0.018)	ND (0.024)	ND (0.021) UJ	ND (0.026)	ND (0.021)	ND (0.021)	ND (0.025)	ND (0.028)
1,3-Dichlorobenzene	2.7	0.2	ND (0.0049) ND (0.0049)	ND (0.0054) ND (0.0054)	ND (0.0056) ND (0.0056)	ND (0.0046) ND (0.0046)	ND (0.0058) ND (0.0058)	ND (0.0064) ND (0.0064)	ND (0.0061) ND (0.0061)	ND (0.0054) ND (0.0054)	ND (0.0044) ND (0.0044)	ND (0.006) ND (0.006)	ND (0.0051) UJ ND (0.0051)	ND (0.0064) ND (0.0064)	ND (0.0051) ND (0.0051)	ND (0.0053) ND (0.0053)	ND (0.0062) ND (0.0062)	ND (0.0069) ND (0.0069)
1,3-Dichloropropane 1,4-Dichlorobenzene	3.4	2.2	ND (0.0049)	ND (0.0054) ND (0.0054)	ND (0.0056)	ND (0.0046) ND (0.0046)	ND (0.0058) ND (0.0058)	ND (0.0064) ND (0.0064)	ND (0.0061) ND (0.0061)	ND (0.0054) ND (0.0054)	ND (0.0044) ND (0.0044)	ND (0.006)	ND (0.0051) ND (0.0051) UJ	ND (0.0064)	ND (0.0051) ND (0.0051)	ND (0.0053)	ND (0.0062) ND (0.0062)	ND (0.0069) ND (0.0069)
2,2-Dichloropropane	*	*	ND (0.0049)	ND (0.0054)	ND (0.0056)	ND (0.0046)	ND (0.0058)	ND (0.0064)	ND (0.0061)	ND (0.0054)	ND (0.0044)	ND (0.006)	ND (0.0051)	ND (0.0064)	ND (0.0051)	ND (0.0053)	ND (0.0062)	ND (0.0069)
2-Butanone (Methyl Ethyl Ketone)	250	35	ND (0.02)	ND (0.022)	ND (0.023) UJ	0.21 J	ND (0.023) UJ	ND (0.026)	ND (0.025) UJ	ND (0.022)	ND (0.018)	ND (0.024)	ND (0.021)	ND (0.026)	ND (0.021) UJ	ND (0.021) UJ	ND (0.025) UJ	ND (0.028) UJ
2-Chlorotoluene	*	*	ND (0.02)	ND (0.022)	ND (0.023)	ND (0.019)	ND (0.023)	ND (0.026)	ND (0.025)	ND (0.022)	ND (0.018)	ND (0.024)	ND (0.021) UJ	ND (0.026)	ND (0.021)	ND (0.021)	ND (0.025)	ND (0.028)
2-Hexanone	*	*	ND (0.02)	ND (0.022)	ND (0.023) UJ	ND (0.019) UJ	ND (0.023)	ND (0.026)	ND (0.025) UJ	ND (0.022)	ND (0.018)	ND (0.024)	ND (0.021)	ND (0.026)	ND (0.021) UJ	ND (0.021) UJ	ND (0.025) UJ	ND (0.028) UJ
2-Phenylbutane (sec-Butylbenzene) 4-Chlorotoluene	*	*	ND (0.02) ND (0.02)	ND (0.022) ND (0.022)	ND (0.023) ND (0.023)	0.0065 J ND (0.019)	ND (0.023) ND (0.023) UJ	ND (0.026) ND (0.026)	ND (0.025) ND (0.025)	ND (0.022) ND (0.022)	ND (0.018) ND (0.018)	ND (0.024) ND (0.024)	ND (0.021) ND (0.021) UJ	ND (0.026) ND (0.026)	ND (0.021) ND (0.021)	ND (0.021) ND (0.021)	ND (0.025) ND (0.025)	ND (0.028) ND (0.028)
4-Methyl-2-Pentanone			ND (0.02)	ND (0.022)	ND (0.023)	ND (0.019)	ND (0.023) UJ	ND (0.026)	ND (0.025)	ND (0.022)	ND (0.016)	ND (0.024)	ND (0.021) UJ	ND (0.026)	ND (0.021)	ND (0.021)	ND (0.025)	ND (0.028)
(Methyl Isobutyl Ketone)	75	20	1.6 J	0.018 J	ND (0.023)	0.18	ND (0.023)	ND (0.026)	ND (0.025)	ND (0.022)	ND (0.018)	ND (0.024)	ND (0.021)	0.039	ND (0.021)	ND (0.021)	ND (0.025)	ND (0.028)
Acetone	370	3.8	1.7 J	0.037 J	ND (0.056)	6.0 J ^b	ND (0.058)	ND (0.064)	ND (0.061)	ND (0.054)	ND (0.044)	0.032 J	ND (0.051)	0.022 J	ND (0.051)	ND (0.053) UJ	ND (0.062) UJ	ND (0.069) UJ
Benzene	0.35	0.034	ND (0.0049)	ND (0.0054)	ND (0.0056)	0.017	ND (0.0058)	ND (0.0064)	ND (0.0061)	ND (0.0054)	ND (0.0044)	0.0011 J	ND (0.0051)	0.0016 J	0.0029 J	ND (0.0053)	ND (0.0062)	ND (0.0069)
Bromobenzene	*	*	ND (0.0049)	ND (0.0054)	ND (0.0056)	ND (0.0046)	ND (0.0058)	ND (0.0064)	ND (0.0061)	ND (0.0054)	ND (0.0044)	ND (0.006)	ND (0.0051) UJ	ND (0.0064)	ND (0.0051)	ND (0.0053)	ND (0.0062)	ND (0.0069)
Bromodichloromethane	0.51	0.51	ND (0.0049)	ND (0.0054)	ND (0.0056)	ND (0.0046)	ND (0.0058)	ND (0.0064)	ND (0.0061)	ND (0.0054)	ND (0.0044)	ND (0.006)	ND (0.0051)	ND (0.0064)	ND (0.0051)	ND (0.0053) UJ	ND (0.0062)	ND (0.0069)
Bromoform Bromomethane (Methyl Bromide)	2.7 0.7	0.6 0.052	ND (0.0049) UJ ND (0.0049)	ND (0.0054) UJ ND (0.0054)	ND (0.0056) ND (0.0056)	ND (0.0046) ND (0.0046)	ND (0.0058) UJ ND (0.0058)	ND (0.0064) UJ ND (0.0064)	ND (0.0061) ND (0.0061)	ND (0.0054) UJ ND (0.0054)	ND (0.0044) UJ ND (0.0044)	ND (0.006) UJ ND (0.006)	ND (0.0051) UJ ND (0.0051)	ND (0.0064) UJ ND (0.0064)	ND (0.0051) ND (0.0051)	ND (0.0053) ND (0.0053) UJ	ND (0.0062) ND (0.0062) UJ	ND (0.0069) ND (0.0069) UJ
Carbon disulfide	82	10	ND (0.0049)	ND (0.0054)	0.0039 J	ND (0.0046)	ND (0.0058)	ND (0.0064)	ND (0.0061)	ND (0.0054)	ND (0.0044)	0.031 J	ND (0.0051)	ND (0.0064)	ND (0.0051)	ND (0.0053)	ND (0.0062)	ND (0.0069)
Carbon tetrachloride	0.29	0.066	ND (0.0049)	ND (0.0054)	ND (0.0056)	ND (0.0046)	ND (0.0058) UJ	ND (0.0064)	ND (0.0061)	ND (0.0054)	ND (0.0044)	ND (0.006)	ND (0.0051)	ND (0.0064)	ND (0.0051)	ND (0.0053) UJ	ND (0.0062)	ND (0.0069)
Chlorobenzene	27	1.3	ND (0.0049)	ND (0.0054)	ND (0.0056)	0.0015 J	ND (0.0058)	ND (0.0064)	ND (0.0061)	ND (0.0054)	ND (0.0044)	ND (0.006)	ND (0.0051)	ND (0.0064)	ND (0.0051)	ND (0.0053)	ND (0.0062)	ND (0.0069)
Chlorobromomethane	*	*	ND (0.0049)	ND (0.0054)	ND (0.0056)	ND (0.0046)	ND (0.0058)	ND (0.0064)	ND (0.0061)	ND (0.0054)	ND (0.0044)	ND (0.006)	ND (0.0051)	ND (0.0064)	ND (0.0051)	ND (0.0053)	ND (0.0062)	ND (0.0069)
Chloroethane Chloroform (Trichloromethane)	10 1.2	0.65 0.47	ND (0.0049) ND (0.0049)	ND (0.0054)	ND (0.0056)	ND (0.0046) 0.032	ND (0.0058)	ND (0.0064) ND (0.0064)	ND (0.0061) ND (0.0061)	ND (0.0054) ND (0.0054)	ND (0.0044)	ND (0.006) 0.0007 J	ND (0.0051) ND (0.0051)	ND (0.0064)	ND (0.0051) 0.0048 J	ND (0.0053) ND (0.0053)	ND (0.0062) ND (0.0062)	ND (0.0069)
Chloromethane (Methyl Chloride)	*	*	ND (0.0049)	0.0016 J ND (0.0054)	ND (0.0056) ND (0.0056)	ND (0.0046)	ND (0.0058) UJ ND (0.0058)	ND (0.0064) ND (0.0064)	ND (0.0061) ND (0.0061)	ND (0.0054) ND (0.0054)	ND (0.0044) ND (0.0044)	ND (0.006)	ND (0.0051) ND (0.0051)	ND (0.0064) ND (0.0064)	ND (0.0051)	ND (0.0053) ND (0.0053)	ND (0.0062) ND (0.0062)	ND (0.0069) ND (0.0069)
cis-1,2-Dichloroethene	5.8	0.4	27 ^{ab}	2.4 ^b	0.023	5.4 ^b	ND (0.0058)	ND (0.0064)	0.086	0.81 J ^b	0.36 J	17 ^{ab}	0.35	8.1 ^{ab}	0.13	ND (0.0053)	0.0048 J	ND (0.0069)
cis-1,3-Dichloropropene	*	*	ND (0.0049)	ND (0.0054)	ND (0.0056)	ND (0.0046)	ND (0.0058)	ND (0.0064)	ND (0.0061)	ND (0.0054)	ND (0.0044)	ND (0.006)	ND (0.0051)	ND (0.0064)	ND (0.0051)	ND (0.0053)	ND (0.0062)	ND (0.0069)
Cymene (p-Isopropyltoluene)	*	*	ND (0.02)	ND (0.022)	ND (0.023)	ND (0.019)	ND (0.023)	ND (0.026)	ND (0.025)	ND (0.022)	ND (0.018)	ND (0.024)	ND (0.021) ÚJ	ND (0.026)	ND (0.021)	ND (0.021)	ND (0.025)	ND (0.028)
Dibromochloromethane	*	*	ND (0.0049)	ND (0.0054)	ND (0.0056)	ND (0.0046)	ND (0.0058)	ND (0.0064)	ND (0.0061)	ND (0.0054)	ND (0.0044)	ND (0.006)	ND (0.0051)	ND (0.0064)	ND (0.0051)	ND (0.0053)	ND (0.0062)	ND (0.0069)
Dibromomethane	*	*	ND (0.0049)	ND (0.0054)	ND (0.0056)	ND (0.0046)	ND (0.0058)	ND (0.0064)	ND (0.0061)	ND (0.0054)	ND (0.0044)	ND (0.006)	ND (0.0051)	ND (0.0064)	ND (0.0051)	ND (0.0053)	ND (0.0062)	ND (0.0069)
Dichlorodifluoromethane (CFC-12) Ethylbenzene	160	13	ND (0.0049) ND (0.0049)	ND (0.0054) ND (0.0054)	ND (0.0056) ND (0.0056)	ND (0.0046) 0.11	ND (0.0058) ND (0.0058)	ND (0.0064) ND (0.0064)	ND (0.0061) ND (0.0061)	ND (0.0054) ND (0.0054)	ND (0.0044) ND (0.0044)	ND (0.006) 0.0048 J	ND (0.0051) ND (0.0051)	ND (0.0064) ND (0.0064)	ND (0.0051) 0.0036 J	ND (0.0053) ND (0.0053)	ND (0.0062) ND (0.0062)	ND (0.0069) ND (0.0069)
Hexachlorobutadiene	44	16	ND (0.0049) ND (0.02)	ND (0.0034) ND (0.022)	ND (0.0036) ND (0.023)	ND (0.019)	ND (0.0038) ND (0.023) UJ	ND (0.0064) ND (0.026)	ND (0.0061)	ND (0.0034) ND (0.022)	ND (0.0044) ND (0.018)	ND (0.024)	ND (0.0031) ND (0.021) UJ	ND (0.0064) ND (0.026)	ND (0.021)	ND (0.0033) ND (0.021)	ND (0.0062) ND (0.025)	ND (0.0089) ND (0.028)
Isopropylbenzene	*	*	ND (0.02)	ND (0.022)	ND (0.023)	0.0091 J	ND (0.023)	ND (0.026)	ND (0.025)	ND (0.022)	ND (0.018)	ND (0.024)	ND (0.021)	ND (0.026)	ND (0.021)	ND (0.021)	ND (0.025)	ND (0.028)
m&p-Xylene	*	*	ND (0.0049) UJ	ND (0.0054) UJ	ND (0.0056)	0.37	ND (0.0058) UJ	ND (0.0064) UJ	ND (0.0061)	ND (0.0054) UJ	ND (0.0044) UJ	0.016 J	ND (0.0051) UJ	ND (0.0064) UJ	0.011	ND (0.0053)	ND (0.0062)	ND (0.0069)
Methylene chloride	1.8	0.023	0.0029 J	0.005 J	ND (0.012)	ND (0.011)	0.0027 J	ND (0.013)	ND (0.013)	ND (0.011)	ND (0.0088)	ND (0.012)	ND (0.011)	ND (0.013)	ND (0.011)	ND (0.011)	ND (0.013)	ND (0.014)
Naphthalene	170	0.7	ND (0.02)	ND (0.022)	ND (0.023)	0.0039 J	ND (0.023)	ND (0.026)	ND (0.025) UJ	ND (0.022)	ND (0.018)	ND (0.024)	ND (0.021) UJ	ND (0.026)	ND (0.021) UJ	ND (0.021) UJ	ND (0.025) UJ	ND (0.028) UJ
n-Butylbenzene	*	*	ND (0.02)	ND (0.022) ND (0.022)	ND (0.023) ND (0.023)	0.014 J 0.084	ND (0.023) ND (0.023)	ND (0.026) ND (0.026)	ND (0.025) ND (0.025)	ND (0.022) ND (0.022)	ND (0.018) ND (0.018)	ND (0.024) 0.0018 J	ND (0.021) UJ ND (0.021) UJ	ND (0.026) ND (0.026)	ND (0.021) 0.0013 J	ND (0.021) ND (0.021)	ND (0.025) ND (0.025)	ND (0.028)
n-Propylbenzene o-Xylene	*	*	ND (0.02) ND (0.0049)	ND (0.022) ND (0.0054)	ND (0.023) ND (0.0056)	0.084	ND (0.023) ND (0.0058)	ND (0.026) ND (0.0064)	ND (0.025) ND (0.0061)	ND (0.022) ND (0.0054)	ND (0.018) ND (0.0044)	0.0018 J	ND (0.021) UJ ND (0.0051)	ND (0.026) ND (0.0064)	0.0013)	ND (0.021) ND (0.0053)	ND (0.025) ND (0.0062)	ND (0.028) ND (0.0069)
Styrene	550	3.5	ND (0.0049)	ND (0.0054)	ND (0.0056)	ND (0.0046)	ND (0.0058)	ND (0.0064)	ND (0.0061)	ND (0.0054)	ND (0.0044)	0.0013 J	ND (0.0051)	ND (0.0064)	ND (0.0051)	ND (0.0053)	ND (0.0062)	ND (0.0069)
tert-Butylbenzene	*	*	ND (0.02)	ND (0.022)	ND (0.023)	ND (0.019)	ND (0.023)	ND (0.026)	ND (0.025)	ND (0.022)	ND (0.018)	ND (0.024)	ND (0.021) UJ	ND (0.026)	ND (0.021)	ND (0.021)	ND (0.025)	ND (0.028)
Tetrachloroethene	0.64	0.058	0.0022 J	2.5 ^{ab}	0.21 ^b	17 ^{ab}	ND (0.0058)	ND (0.0064)	0.026	0.033	0.023	0.0041 J	0.13 ^b	0.038	0.84 ^{ab}	ND (0.0053)	ND (0.0062)	ND (0.0069)
Toluene	240	12	0.012	0.033	ND (0.0056)	5.6	ND (0.0058)	ND (0.0064)	ND (0.0061)	ND (0.0054)	ND (0.0044)	1.8	ND (0.0051)	0.11	5.8	ND (0.0053)	ND (0.0062)	ND (0.0069)
trans-1,2-Dichloroethene	14	0.68	0.018	0.0025 J	ND (0.0056)	0.078	ND (0.0058)	ND (0.0064)	ND (0.0061)	0.0053 J	0.0086	0.12	0.0032 J	0.038	ND (0.0051)	ND (0.0053)	ND (0.0062)	ND (0.0069)
trans-1,3-Dichloropropene	*	*	ND (0.0049)	ND (0.0054)	ND (0.0056) UJ	ND (0.0046) UJ	ND (0.0058)	ND (0.0064)	ND (0.0061)	ND (0.0054)	ND (0.0044)	ND (0.006)	ND (0.0051)	ND (0.0064)	ND (0.0051)	ND (0.0053)	ND (0.0062)	ND (0.0069)
Trichloroethene	0.082	0.057	3.1 ^{ab}	21 ^{ab}	2.4 ^{ab}	200 ^{ab}	ND (0.0058)	0.0063 J	0.92 ^{ab}	1.2 ^{ab}	1.2 ^{ab}	0.22 ^{ab}	20 ^{ab}	4.3 ^{ab}	87 ^{ab}	ND (0.0053)	0.053	ND (0.0069)
Trichlorofluoromethane (CFC-11)		*	ND (0.0049)	ND (0.0054)	ND (0.0056)	ND (0.0046)	ND (0.0058)	ND (0.0064)	ND (0.0061)	ND (0.0054)	ND (0.0044)	ND (0.006)	ND (0.0051)	ND (0.0064)	ND (0.0051)	ND (0.0053)	ND (0.0062)	ND (0.0069)
Vinyl chloride	0.013	0.013	0.29 ^{ab}	0.0012 J	ND (0.0056)	0.33 ^{ab}	ND (0.0058)	ND (0.0064)	ND (0.0061)	ND (0.0054)	ND (0.0044)	0.69 ^{ab}	ND (0.0051)	0.2 ^{ab}	0.0023 J	ND (0.0053)	ND (0.0062)	ND (0.0069)

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ND (0.0081)

ND (0.0061)

ND (0.0045)

ND (0.0051)

SUMMARY OF INTERMEDIATE SUBSURFACE SOIL VOC ANALYTICAL DATA - SWMU 5 RADIO MATERIALS CORPORATION ATTICA, INDIANA

Sample Location:			B-535	B-536	B-537	B-537	B-538	B-541	B-545	B-547	B-550	B-552	B-553	B-554	B-555	B-556	B-556	B-558	B-559
Sample ID:	IDEM	IDEM	S-081103-MG-035	S-080603-MG-015	S-081403-MG-062	S-081403-MG-063	S-100603-MG-361	S-092804-MG-158	S-091404-MG-114	S-091504-MG-123	S-091604-MG-128	S-092104-MG-139	S-091704-MG-131	S-091704-MG-132	S-092004-MG-134	S-092004-MG-136	S-092004-MG-137		S-091304-MG-112
Sample Date:	RISC IDCL	RISC RDCL	8/11/2003 28-30 ft BGS	8/6/2003 24-36 ft BGS	8/14/2003	8/14/2003 28-30 ft BGS	10/6/2003 10-12 ft BGS	9/28/2004 14-16 ft BGS	9/14/2004 22-24 ft BGS	9/15/2004 20-22 ft BGS	9/16/2004 12-14 ft BGS	9/21/2004 14-16 ft BGS	9/17/2004 26-28 ft BGS	9/17/2004	9/20/2004 14-16 ft BGS	9/20/2004 22-24 ft BGS	9/20/2004 22-24 ft BGS	9/23/2004 12-14 ft BGS	9/13/2004 16-18 ft BGS
Sample Depth:	a	b	28-30 Jt BG3	24-30 Jt BG3	14-16 ft BGS	28-30 ji BG3	10-12 jt BG3	14-10 ji BG3	22-24 ji BG3	20-22 ji BGS	12-14 ji BG3	14-10 ji BG3	20-28 Jt BGS	14-16 ft BGS	14-10 Jt BG3	22-24 ji BG3	Duplicate	12-14 ji BG3	10-10 Jt BG3
																	,		
Volatile Organic Compounds (mg/kg) 1,1,1,2-Tetrachloroethane	0.85	0.053	ND (0.006)	ND (0.0045)	ND (0.0047)	ND (0.0068)	ND (0.0051)	ND (0.0052)	ND (0.0063)	ND (0.0061)	ND (0.0072)	ND (0.0057)	ND (0.006)	ND (0.0081)	ND (0.0061)	ND (0.0049)	ND (0.0045)	ND (0.0051)	ND (0.0057)
1,1,1-Trichloroethane	280	1.9	ND (0.006) ND (0.006) UJ	ND (0.0045)	ND (0.0047)	ND (0.0068)	ND (0.0051)	ND (0.0052)	ND (0.0063)	ND (0.0061)	ND (0.0072)	ND (0.0057)	ND (0.006)	ND (0.0081) ND (0.0081)	ND (0.0061)	ND (0.0049)	ND (0.0045)	ND (0.0051)	ND (0.0057)
1,1,2,2-Tetrachloroethane	0.11	0.007	ND (0.006)	ND (0.0045)	ND (0.0047)	ND (0.0068)	ND (0.0051)	ND (0.0052)	ND (0.0063)	ND (0.0061)	ND (0.0072)	ND (0.0057)	ND (0.006)	ND (0.0081)	ND (0.0061)	ND (0.0049)	ND (0.0045)	ND (0.0051)	ND (0.0057)
1,1,2-Trichloroethane	0.3	0.03	ND (0.006)	ND (0.0045)	ND (0.0047)	ND (0.0068)	ND (0.0051)	ND (0.0052)	ND (0.0063)	ND (0.0061)	ND (0.0072)	ND (0.0057)	ND (0.006)	ND (0.0081)	ND (0.0061)	ND (0.0049)	ND (0.0045)	ND (0.0051) UJ	ND (0.0057)
1,1-Dichloroethane	58	5.6	ND (0.006)	ND (0.0045)	ND (0.0047)	ND (0.0068)	ND (0.0051)	ND (0.0052)	ND (0.0063)	ND (0.0061)	ND (0.0072)	ND (0.0057)	ND (0.006)	ND (0.0081)	ND (0.0061)	ND (0.0049)	ND (0.0045)	ND (0.0051)	ND (0.0057)
1,1-Dichloroethene	42	0.058	ND (0.006)	ND (0.0045)	0.037	0.0013 J	ND (0.0051)	ND (0.0052)	ND (0.0063)	ND (0.0061)	ND (0.0072)	ND (0.0057)	ND (0.006)	ND (0.0081)	ND (0.0061)	ND (0.0049)	ND (0.0045)	ND (0.0051)	ND (0.0057)
1,1-Dichloropropene	*	*	ND (0.006)	ND (0.0045)	ND (0.0047)	ND (0.0068)	ND (0.0051)	ND (0.0052)	ND (0.0063)	ND (0.0061)	ND (0.0072)	ND (0.0057)	ND (0.006)	ND (0.0081)	ND (0.0061)	ND (0.0049)	ND (0.0045)	ND (0.0051)	ND (0.0057)
1,2,3-Trichlorobenzene 1,2,3-Trichloropropane	*	*	ND (0.024) ND (0.006)	ND (0.018) UJ ND (0.0045)	ND (0.019) ND (0.0047)	ND (0.027) ND (0.0068)	ND (0.021) ND (0.0051)	ND (0.0052) ND (0.0052)	ND (0.0063) ND (0.0063)	ND (0.0061) ND (0.0061)	ND (0.0072) ND (0.0072)	ND (0.0057) ND (0.0057)	ND (0.006) ND (0.006)	ND (0.0081) ND (0.0081)	ND (0.0061) ND (0.0061)	ND (0.0049) ND (0.0049)	ND (0.0045) ND (0.0045)	ND (0.0051) ND (0.0051)	ND (0.0057) ND (0.0057)
1,2,4-Trichlorobenzene	77	5.3	ND (0.000)	ND (0.0045) ND (0.018) UJ	ND (0.019)	ND (0.008)	ND (0.0031)	ND (0.0032)	ND (0.0063)	ND (0.0051)	ND (0.029)	ND (0.0037) ND (0.023)	ND (0.006) ND (0.024)	ND (0.033)	ND (0.0051) ND (0.025)	ND (0.0049) ND (0.02)	ND (0.018)	ND (0.0031)	ND (0.0037)
1,2,4-Trimethylbenzene	170	2.5	ND (0.024)	ND (0.018)	ND (0.019)	ND (0.027)	ND (0.021)	ND (0.021)	ND (0.026)	ND (0.025)	ND (0.029)	ND (0.023)	ND (0.024)	ND (0.033)	ND (0.025)	ND (0.02)	ND (0.018)	ND (0.021)	ND (0.023)
1,2-Dibromo-3-chloropropane (DBCP)	*	*	ND (0.024) UJ	ND (0.018) UJ	ND (0.019) UJ	ND (0.027) UJ	ND (0.021)	ND (0.021)	ND (0.026)	ND (0.025)	ND (0.029)	ND (0.023)	ND (0.024)	ND (0.033)	ND (0.025)	ND (0.02)	ND (0.018)	ND (0.021)	ND (0.023)
1,2-Dibromoethane (Ethylene Dibromide)	*	*	ND (0.024)	ND (0.018)	ND (0.019)	ND (0.027)	ND (0.021)	ND (0.0052)	ND (0.0063)	ND (0.0061)	ND (0.0072)	ND (0.0057)	ND (0.006)	ND (0.0081)	ND (0.0061)	ND (0.0049)	ND (0.0045)	ND (0.0051)	ND (0.0057)
1,2-Dichlorobenzene	220	17	ND (0.006)	ND (0.0045)	ND (0.0047)	ND (0.0068)	ND (0.0051)	ND (0.0052)	ND (0.0063)	ND (0.0061)	ND (0.0072)	ND (0.0057)	ND (0.006)	ND (0.0081)	ND (0.0061)	ND (0.0049)	ND (0.0045)	ND (0.0051)	ND (0.0057)
1,2-Dichloroptane	0.15	0.024 0.03	ND (0.006) UJ	ND (0.0045)	0.0014 J	ND (0.0068)	ND (0.0051)	ND (0.0052)	ND (0.0063)	ND (0.0061)	ND (0.0072)	ND (0.0057)	ND (0.006)	ND (0.0081)	ND (0.0061)	ND (0.0049)	ND (0.0045)	ND (0.0051) ND (0.0051)	ND (0.0057)
1,2-Dichloropropane 1,3,5-Trimethylbenzene	0.25 68	0.03	ND (0.006) ND (0.024)	ND (0.0045) ND (0.018)	ND (0.0047) ND (0.019)	ND (0.0068) ND (0.027)	ND (0.0051) ND (0.021)	ND (0.0052) ND (0.0052)	ND (0.0063) ND (0.0063)	ND (0.0061) ND (0.0061)	ND (0.0072) ND (0.0072)	ND (0.0057) ND (0.0057)	ND (0.006) ND (0.006)	ND (0.0081) ND (0.0081)	ND (0.0061) ND (0.0061)	ND (0.0049) ND (0.0049)	ND (0.0045) ND (0.0045)	ND (0.0051) ND (0.0051)	ND (0.0057) ND (0.0057)
1,3-Dichlorobenzene	2.7	0.2	ND (0.006)	ND (0.0045)	ND (0.0047)	ND (0.0068)	ND (0.0051)	ND (0.0052)	ND (0.0063)	ND (0.0061)	ND (0.0072)	ND (0.0057)	ND (0.006)	ND (0.0081)	ND (0.0061)	ND (0.0049)	ND (0.0045)	ND (0.0051)	ND (0.0057)
1,3-Dichloropropane	*	*	ND (0.006)	ND (0.0045)	ND (0.0047)	ND (0.0068)	ND (0.0051)	ND (0.0052)	ND (0.0063)	ND (0.0061)	ND (0.0072)	ND (0.0057)	ND (0.006)	ND (0.0081)	ND (0.0061)	ND (0.0049)	ND (0.0045)	ND (0.0051)	ND (0.0057)
1,4-Dichlorobenzene	3.4	2.2	ND (0.006)	ND (0.0045)	ND (0.0047)	ND (0.0068)	ND (0.0051)	ND (0.0052)	ND (0.0063)	ND (0.0061)	ND (0.0072)	ND (0.0057)	ND (0.006)	ND (0.0081)	ND (0.0061)	ND (0.0049)	ND (0.0045)	ND (0.0051)	ND (0.0057)
2,2-Dichloropropane	*	* 35	ND (0.006)	ND (0.0045)	ND (0.0047)	ND (0.0068)	ND (0.0051)	ND (0.0052)	ND (0.0063)	ND (0.0061)	ND (0.0072)	ND (0.0057)	ND (0.006)	ND (0.0081)	ND (0.0061)	ND (0.0049)	ND (0.0045)	ND (0.0051)	ND (0.0057)
2-Butanone (Methyl Ethyl Ketone) 2-Chlorotoluene	250	35 *	ND (0.024) UJ ND (0.024)	ND (0.018) UJ ND (0.018)	ND (0.019) ND (0.019)	ND (0.027) ND (0.027)	ND (0.021) ND (0.021)	ND (0.021) UJ ND (0.021)	ND (0.026) UJ ND (0.026)	ND (0.025) UJ ND (0.025)	ND (0.029) UJ ND (0.029)	ND (0.023) UJ ND (0.023)	ND (0.024) UJ ND (0.024)	ND (0.033) UJ ND (0.033)	ND (0.025) UJ ND (0.025)	ND (0.02) UJ ND (0.02)	ND (0.018) UJ ND (0.018)	ND (0.021) UJ ND (0.021)	ND (0.023) UJ ND (0.023)
2-Hexanone	*	*	ND (0.024) UI	ND (0.018) UJ	ND (0.019)	ND (0.027)	ND (0.021)	ND (0.021)	ND (0.026)	ND (0.025)	ND (0.029)	ND (0.023)	ND (0.024)	ND (0.033)	ND (0.025)	ND (0.02)	ND (0.018)	ND (0.021)	ND (0.023)
2-Phenylbutane (sec-Butylbenzene)	*	*	ND (0.024)	ND (0.018)	ND (0.019)	ND (0.027)	ND (0.021)	ND (0.021)	ND (0.026)	ND (0.025)	ND (0.029)	ND (0.023)	ND (0.024)	ND (0.033)	ND (0.025)	ND (0.02)	ND (0.018)	ND (0.021)	ND (0.023)
4-Chlorotoluene	*	*	ND (0.024)	ND (0.018)	ND (0.019)	ND (0.027)	ND (0.021)	ND (0.021)	ND (0.026)	ND (0.025)	ND (0.029)	ND (0.023)	ND (0.024)	ND (0.033)	ND (0.025)	ND (0.02)	ND (0.018)	ND (0.021)	ND (0.023)
4-Methyl-2-Pentanone	75	20	NID (0.024)	NID (0.010)	NTD (0.010)	NID (0.007)	NTD (0.021)	NID (0.021)	NID (0.02()	NID (0.025)	NID (0.020)	NID (0.022)	NID (0.024)	NID (0.022)	NTD (0.025)	NID (0.00)	NTD (0.010)	NID (0.001)	NID (0.022)
(Methyl Isobutyl Ketone)	75	20	ND (0.024)	ND (0.018)	ND (0.019)	ND (0.027)	ND (0.021)	ND (0.021)	ND (0.026)	ND (0.025)	ND (0.029)	ND (0.023)	ND (0.024)	ND (0.033)	ND (0.025)	ND (0.02)	ND (0.018)	ND (0.021)	ND (0.023)
Acetone Benzene	370 0.35	3.8 0.034	ND (0.06) UJ ND (0.006)	ND (0.045) ND (0.0045)	ND (0.047) 0.0031 J	ND (0.068) ND (0.0068)	ND (0.051) ND (0.0051) UJ	ND (0.021) UJ ND (0.0052)	ND (0.026) UJ ND (0.0063)	ND (0.025) UJ ND (0.0061)	ND (0.029) UJ ND (0.0072)	ND (0.023) UJ ND (0.0057)	ND (0.024) UJ ND (0.006)	ND (0.033) UJ ND (0.0081)	ND (0.025) UJ ND (0.0061)	ND (0.02) UJ ND (0.0049)	ND (0.018) UJ ND (0.0045)	ND (0.021) UJ ND (0.0051)	ND (0.023) UJ ND (0.0057)
Bromobenzene	*	*	ND (0.006)	ND (0.0045)	ND (0.0047)	ND (0.0068)	ND (0.0051) UJ	ND (0.0052)	ND (0.0063)	ND (0.0061)	ND (0.0072)	ND (0.0057)	ND (0.006)	ND (0.0081)	ND (0.0061)	ND (0.0049)	ND (0.0045)	ND (0.0051)	ND (0.0057)
Bromodichloromethane	0.51	0.51	ND (0.006)	ND (0.0045)	ND (0.0047)	ND (0.0068)	ND (0.0051)	ND (0.0052)	ND (0.0063)	ND (0.0061)	ND (0.0072)	ND (0.0057)	ND (0.006)	ND (0.0081)	ND (0.0061)	ND (0.0049)	ND (0.0045)	ND (0.0051)	ND (0.0057)
Bromoform	2.7	0.6	ND (0.006)	ND (0.0045)	ND (0.0047) UJ	ND (0.0068) UJ	ND (0.0051)	ND (0.0052)	ND (0.0063)	ND (0.0061)	ND (0.0072)	ND (0.0057)	ND (0.006)	ND (0.0081)	ND (0.0061)	ND (0.0049)	ND (0.0045)	ND (0.0051)	ND (0.0057)
Bromomethane (Methyl Bromide)	0.7	0.052	ND (0.006) UJ	ND (0.0045)	ND (0.0047)	ND (0.0068)	ND (0.0051) UJ	ND (0.0052) UJ	ND (0.0063)	ND (0.0061)	ND (0.0072)	ND (0.0057)	ND (0.006)	ND (0.0081)	ND (0.0061)	ND (0.0049)	ND (0.0045)	ND (0.0051) UJ	ND (0.0057)
Carbon disulfide Carbon tetrachloride	82 0.29	10 0.066	ND (0.006) ND (0.006)	ND (0.0045) ND (0.0045)	0.01 J ND (0.0047)	ND (0.0068) ND (0.0068)	ND (0.0051) ND (0.0051)	ND (0.0052) ND (0.0052)	ND (0.0063) ND (0.0063)	ND (0.0061) ND (0.0061)	ND (0.0072) ND (0.0072)	ND (0.0057) ND (0.0057)	ND (0.006) ND (0.006)	ND (0.0081) ND (0.0081)	ND (0.0061) ND (0.0061)	ND (0.0049) ND (0.0049)	ND (0.0045) ND (0.0045)	ND (0.0051) ND (0.0051)	ND (0.0057) ND (0.0057)
Chlorobenzene	27	1.3	ND (0.006)	ND (0.0045)	ND (0.0047)	ND (0.0068)	ND (0.0051)	ND (0.0052)	ND (0.0063)	ND (0.0061)	ND (0.0072)	ND (0.0057)	ND (0.006)	ND (0.0081)	ND (0.0061)	ND (0.0049)	ND (0.0045)	ND (0.0051)	ND (0.0057)
Chlorobromomethane	*	*	ND (0.006)	ND (0.0045)	ND (0.0047)	ND (0.0068)	ND (0.0051)	ND (0.0052)	ND (0.0063)	ND (0.0061)	ND (0.0072)	ND (0.0057)	ND (0.006)	ND (0.0081)	ND (0.0061)	ND (0.0049)	ND (0.0045)	ND (0.0051)	ND (0.0057)
Chloroethane	10	0.65	ND (0.006)	ND (0.0045)	ND (0.0047)	ND (0.0068)	ND (0.0051) UJ	ND (0.0052)	ND (0.0063)	ND (0.0061)	ND (0.0072)	ND (0.0057) UJ	ND (0.006)	ND (0.0081)	ND (0.0061) UJ	ND (0.0049) UJ	ND (0.0045) UJ	ND (0.0051) UJ	ND (0.0057)
Chloroform (Trichloromethane)	1.2	0.47	ND (0.006)	ND (0.0045)	ND (0.0047)	0.00097 J	0.00089 J	ND (0.0052)	ND (0.0063)	ND (0.0061)	ND (0.0072)	ND (0.0057)	ND (0.006)	ND (0.0081)	ND (0.0061)	ND (0.0049)	ND (0.0045)	ND (0.0051)	ND (0.0057)
Chloromethane (Methyl Chloride)	*	*	ND (0.006)	ND (0.0045)	ND (0.0047)	ND (0.0068)	ND (0.0051)	ND (0.0052)	ND (0.0063)	ND (0.0061)	ND (0.0072)	ND (0.0057)	ND (0.006)	ND (0.0081)	ND (0.0061)	ND (0.0049)	ND (0.0045)	ND (0.0051)	ND (0.0057)
cis-1,2-Dichloroethene cis-1,3-Dichloropropene	5.8	0.4	0.051 ND (0.006)	0.0043 ND (0.0045)	4.5 ^b ND (0.0047)	1.5 ^b ND (0.0068)	0.39 ND (0.0051)	0.024 ND (0.0052)	0.0024 J ND (0.0063)	0.0054 J ND (0.0061)	ND (0.0072) ND (0.0072)	0.002 J ND (0.0057)	0.0046 J ND (0.006)	0.002 J ND (0.0081)	0.0023 J ND (0.0061)	ND (0.0049) ND (0.0049)	ND (0.0045) ND (0.0045)	ND (0.0051) ND (0.0051)	ND (0.0057) ND (0.0057)
Cymene (p-Isopropyltoluene)	*	*	ND (0.024)	ND (0.018)	ND (0.019)	ND (0.027)	ND (0.0031)	ND (0.0032)	ND (0.026)	ND (0.0051)	ND (0.029)	ND (0.0037)	ND (0.024)	ND (0.033)	ND (0.0051)	ND (0.004)	ND (0.018)	ND (0.0031)	ND (0.023)
Dibromochloromethane	*	*	ND (0.006)	ND (0.0045)	ND (0.0047)	ND (0.0068)	ND (0.0051)	ND (0.0052)	ND (0.0063)	ND (0.0061)	ND (0.0072)	ND (0.0057)	ND (0.006)	ND (0.0081)	ND (0.0061)	ND (0.0049)	ND (0.0045)	ND (0.0051)	ND (0.0057)
Dibromomethane	*	*	ND (0.006)	ND (0.0045)	ND (0.0047)	ND (0.0068)	ND (0.0051)	ND (0.0052)	ND (0.0063)	ND (0.0061)	ND (0.0072)	ND (0.0057)	ND (0.006)	ND (0.0081)	ND (0.0061)	ND (0.0049)	ND (0.0045)	ND (0.0051)	ND (0.0057)
Dichlorodifluoromethane (CFC-12)	* 160	* 13	ND (0.006)	ND (0.0045)	ND (0.0047)	ND (0.0068)	ND (0.0051)	ND (0.0052)	ND (0.0063)	ND (0.0061)	ND (0.0072)	ND (0.0057)	ND (0.006)	ND (0.0081)	ND (0.0061)	ND (0.0049)	ND (0.0045)	ND (0.0051)	ND (0.0057)
Ethylbenzene Hexachlorobutadiene	44	13 16	ND (0.006) ND (0.024)	ND (0.0045) ND (0.018)	ND (0.0047) ND (0.019)	ND (0.0068) ND (0.027)	ND (0.0051) ND (0.021)	ND (0.0052) ND (0.021)	ND (0.0063) ND (0.026)	ND (0.0061) ND (0.025)	ND (0.0072) ND (0.029)	ND (0.0057) ND (0.023)	ND (0.006) ND (0.024)	ND (0.0081) ND (0.033)	ND (0.0061) ND (0.025)	ND (0.0049) ND (0.02)	ND (0.0045) ND (0.018)	ND (0.0051) ND (0.021)	ND (0.0057) ND (0.023)
Isopropylbenzene	*	*	ND (0.024)	ND (0.018)	ND (0.019)	ND (0.027)	ND (0.021)	ND (0.0052)	ND (0.0063)	ND (0.0061)	ND (0.0072)	ND (0.0057)	ND (0.006)	ND (0.0081)	ND (0.0061)	ND (0.0049)	ND (0.0045)	ND (0.0051)	ND (0.0057)
m&p-Xylene	*	*	ND (0.006)	ND (0.0045)	ND (0.0047) UJ	ND (0.0068) UJ	ND (0.0051)	ND (0.0052)	ND (0.0063)	ND (0.0061)	ND (0.0072)	ND (0.0057)	ND (0.006)	ND (0.0081)	ND (0.0061)	ND (0.0049)	ND (0.0045)	ND (0.0051)	ND (0.0057)
Methylene chloride	1.8	0.023	ND (0.012)	ND (0.009)	ND (0.0093)	ND (0.014)	ND (0.011)	0.0017 J	0.002 J	ND (0.013) UJ	ND (0.015) UJ	ND (0.012) UJ	0.0037 J	0.0025 J	ND (0.013) UJ	ND (0.0098) UJ	ND (0.009) UJ	ND (0.011)	ND (0.012)
Naphthalene	170	0.7	ND (0.024) UJ	ND (0.018) UJ	ND (0.019)	ND (0.027)	ND (0.021)	ND (0.0052)	ND (0.0063)	ND (0.0061)	ND (0.0072)	ND (0.0057)	ND (0.006)	ND (0.0081)	ND (0.0061)	ND (0.0049)	ND (0.0045)	ND (0.0051)	ND (0.0057)
n-Butylbenzene	*	*	ND (0.024)	ND (0.018) UJ	ND (0.019)	ND (0.027)	ND (0.021)	ND (0.021)	ND (0.026)	ND (0.025)	ND (0.029)	ND (0.023)	ND (0.024)	ND (0.033)	ND (0.025)	ND (0.02)	ND (0.018)	ND (0.021)	ND (0.023)
n-Propylbenzene o-Xylene	*	*	ND (0.024) ND (0.006)	ND (0.018) ND (0.0045)	ND (0.019) ND (0.0047)	ND (0.027) ND (0.0068)	ND (0.021) UJ ND (0.0051)	ND (0.021) ND (0.0052)	ND (0.026) ND (0.0063)	ND (0.025) ND (0.0061)	ND (0.029) ND (0.0072)	ND (0.023) ND (0.0057)	ND (0.024) ND (0.006)	ND (0.033) ND (0.0081)	ND (0.025) ND (0.0061)	ND (0.02) ND (0.0049)	ND (0.018) ND (0.0045)	ND (0.021) ND (0.0051)	ND (0.023) ND (0.0057)
Styrene	550	3.5	ND (0.006)	ND (0.0045)	ND (0.0047)	0.0016 J	ND (0.0051)	ND (0.0052)	ND (0.0063)	ND (0.0061)	ND (0.0072)	ND (0.0057)	ND (0.006)	ND (0.0081)	ND (0.0061)	ND (0.0049)	ND (0.0045)	ND (0.0051)	ND (0.0057)
tert-Butylbenzene	*	*	ND (0.024)	ND (0.018)	ND (0.019)	ND (0.027)	ND (0.021)	ND (0.021)	ND (0.026)	ND (0.025)	ND (0.029)	ND (0.023)	ND (0.024)	ND (0.033)	ND (0.025)	ND (0.02)	ND (0.018)	ND (0.021)	ND (0.023)
Tetrachloroethene	0.64	0.058	0.024	ND (0.0045)	0.061 ^b	3.9 ^{ab}	0.2 ^b	0.074 ^b	0.015	0.0057 J	ND (0.0072)	0.014	0.017	0.0057 J	0.0051 J	ND (0.0049)	ND (0.0045)	ND (0.0051)	0.0036 J
Toluene	240	12	ND (0.006)	ND (0.0045)	0.076	ND (0.0068)	ND (0.0051)	ND (0.0052)	ND (0.0063)	ND (0.0061)	ND (0.0072)	ND (0.0057)	ND (0.006)	ND (0.0081)	ND (0.0061)	ND (0.0049)	ND (0.0045)	ND (0.0051)	ND (0.0057)
trans-1,2-Dichloroethene	14	0.68	ND (0.006)	ND (0.0045)	0.055	0.0021 J	0.0015 J	ND (0.0052)	ND (0.0063)	ND (0.0061)	ND (0.0072)	ND (0.0057)	ND (0.006)	ND (0.0081)	ND (0.0061)	ND (0.0049)	ND (0.0045)	ND (0.0051)	ND (0.0057)
trans-1,3-Dichloropropene	*	*	ND (0.006)	ND (0.0045)	ND (0.0047)	ND (0.0068)	ND (0.0051)	ND (0.0052)	ND (0.0063)	ND (0.0061)	ND (0.0072)	ND (0.0057)	ND (0.006)	ND (0.0081)	ND (0.0061)	ND (0.0049)	ND (0.0045)	ND (0.0051)	ND (0.0057)
Trichloroethene	0.082	0.057	0.34 ^{ab}	0.12 ^{ab}	160 ^{ab}	13 ^{ab}	14 ^{ab}	2.6 ^{ab}	0.052	0.084 ^{ab}	ND (0.0072)	0.089 ^{ab}	0.11 ^{ab}	0.11 ^{ab}	0.094 ab	ND (0.0049)	ND (0.0045)	0.0041 J	0.051
Trichlorofluoromethane (CFC-11)	*	*	ND (0.006)	ND (0.0045)	ND (0.0047)	ND (0.0068)	ND (0.0051)	ND (0.0052)	ND (0.0063)	ND (0.0061)	ND (0.0072)	ND (0.0057)	ND (0.006)	ND (0.0081)	ND (0.0061)	ND (0.0049)	ND (0.0045)	ND (0.0051) UJ	ND (0.0057)

0.013

0.013

Notes:

IDEM - Indiana Department of Environmental Management
RISC - Risk Integrated System of Closure
IDCL - Industrial Default Closure Level

ND (0.0045)

RDCL - Residential Default Closure Level
* - Criteria not established for this analyte.

-- - Not Analyzed BGS - below ground surface

mg/kg - milligrams per kilogram

ND(1.1) - Analyte not detected at quantitation limit in parenthesis.

J - The associated value is an estimated quantity.

UJ - The material was analyzed for, but was not detected. The associated value is an estimate and may be inaccurate or imprecise.

ND (0.0068)

ND (0.0051)

ND (0.0052)

ND (0.0063)

ND (0.0061)

ND (0.0072)

Vinyl chloride

EPA ARCHIVE DOCUMENT

SUMMARY OF INTERMEDIATE SUBSURFACE SOIL SVOC, PCB, AND GENERAL CHEMISTRY ANALYTICAL DATA - SWMU 5 RADIO MATERIALS CORPORATION ATTICA, INDIANA

Sample Location: Sample ID:	IDEM	IDEM	B-506 S-080703-MG-019	B-512 S-081503-MG-072	B-512 S-081503-MG-073	B-517 S-081903-MG-079	B-523 S-081203-MG-049	B-524 S-081503-MG-070
Sample Date:	RISC	RISC	8/7/2003	8/15/2003	8/15/2003	8/19/2003	8/12/2003	8/15/2003
Sample Depth:	IDCL	RDCL	18-20 ft BGS	18-20 ft BGS	18-20 ft BGS	18-20 ft BGS	22-24 ft BGS	22-24 ft BGS
	а	b	,.	,.	Duplicate	,.	,	,
Semivolatile Organic Compounds (mg/kg	g)				•			
1,2,4-Trichlorobenzene	77	5.3	0.019 J	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.32)	ND (0.33)
1,2-Dichlorobenzene	220	17	ND (0.33)	ND (0.33) UJ	ND (0.33) UJ	ND (0.33)	ND (0.32)	ND (0.33) UJ
1,3-Dichlorobenzene	2.7	0.2	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.32)	ND (0.33)
1,4-Dichlorobenzene	3.4	2.2	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.32)	ND (0.33)
2,2'-oxybis(1-Chloropropane)								
(bis(2-chloroisopropyl) ether)	0.26	0.027	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.32)	ND (0.33)
2,4,5-Trichlorophenol	690	250	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.32)	ND (0.33)
2,4,6-Trichlorophenol	0.2	0.07	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.32)	ND (0.33)
2,4-Dichlorophenol	3	1.1	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.32)	ND (0.33)
2,4-Dimethylphenol	25	9	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.32)	ND (0.33)
2,4-Dinitrophenol	0.82	0.29	ND (2.0) UJ	ND (2.0) UJ	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0) UJ
2,4-Dinitrotoluene 2,6-Dinitrotoluene	*	*	ND (0.34) UJ ND (0.34) UJ	ND (0.34) ND (0.34)	ND (0.34) ND (0.34)	ND (0.34) ND (0.34)	ND (0.33) ND (0.33)	ND (0.34) ND (0.34)
2-Chloronaphthalene	560	42	ND (0.33)	ND (0.34)	ND (0.34)	ND (0.34)	ND (0.32)	ND (0.34)
2-Chlorophenol	10	0.75	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.32)	ND (0.33)
2-Methylnaphthalene	210	16	0.052 J	ND (0.33)	ND (0.33)	0.049 J	ND (0.32)	0.086 J
2-Methylphenol	39	14	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.32)	0.028 J
2-Nitroaniline	0.036	0.013	ND (2.0) UJ	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)
2-Nitrophenol	*	*	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.32)	ND (0.33)
3,3'-Dichlorobenzidine	0.21	0.062	ND (10) UJ	ND (2.0)	ND (2.0)	ND (20)	ND (2.0)	ND (10)
3-Nitroaniline	*	*	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)
4,6-Dinitro-2-methylphenol	*	*	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)
4-Bromophenyl phenyl ether	*	*	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.32)	ND (0.33)
4-Chloro-3-methylphenol	*	*	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.32)	ND (0.33)
4-Chloroaniline	2.7	0.97	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.32)	ND (0.33)
4-Chlorophenyl phenyl ether	*	*	ND (0.33)	ND (0.33) UJ	ND (0.33) UJ	ND (0.33)	ND (0.32)	ND (0.33) UJ
4-Methylphenol	3	1.1	ND (0.33)	ND (0.33) UJ	ND (0.33) UJ	ND (0.33)	ND (0.32)	0.045 J
4-Nitroaniline	*	*	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)
4-Nitrophenol	*	*	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)
Acenaphthene	1200	130	ND (0.33)	ND (0.33) UJ	ND (0.33) UJ	ND (0.33)	ND (0.32)	ND (0.33) UJ
Acenaphthylene	180	18	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.32)	ND (0.33)
Aniline		*	ND (1.0) UJ	ND (1.0) UJ	ND (1.0) UJ	ND (1.0) UJ	ND (0.97)	ND (1.0) UJ
Anthracene	51	51 5	ND (0.33) UJ	ND (0.33) UJ	ND (0.33) UJ	0.026 J	ND (0.32)	0.017 J
Benzo(a)anthracene Benzo(a)pyrene	15 1.5	0.50	ND (1.7) ND (1.7) UJ	ND (0.33) ND (0.33)	ND (0.33) ND (0.33)	ND (3.3) ND (3.3)	ND (0.32) ND (0.32)	ND (1.7) ND (1.7)
Benzo(b)fluoranthene	1.5	5	ND (1.7) ND (1.7)	ND (0.33)	ND (0.33)	ND (3.3)	ND (0.32)	ND (1.7) ND (1.7)
Benzo(g,h,i)perylene	16	16	ND (1.7) ND (1.7) UJ	ND (0.33)	ND (0.33)	ND (3.3)	ND (0.32) UJ	ND (1.7) ND (1.7)
Benzo(k)fluoranthene	39	39	ND (1.7)	ND (0.33)	ND (0.33)	ND (3.3)	ND (0.32)	ND (1.7)
Benzoic acid	1600	590	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)
Benzyl Alcohol	140	48	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.32)	0.025 J
bis(2-Chloroethoxy)methane	*	*	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.32)	ND (0.33)
bis(2-Chloroethyl)ether	0.012	0.0007	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.32)	ND (0.33)
bis(2-Ethylhexyl)phthalate	980	300	0.54 J	0.057 J	0.023 J	ND (3.3)	0.68	ND (1.7)
Butyl benzylphthalate	310	310	ND (1.7)	ND (0.33)	ND (0.33)	ND (3.3) UJ	ND (0.32)	ND (1.7)
Chrysene	25	25	ND (1.7)	ND (0.33)	ND (0.33)	ND (3.3)	ND (0.32)	ND (1.7)
Dibenz(a,h)anthracene	1.5	0.5	ND (1.7) UJ	ND (0.33)	ND (0.33)	ND (3.3)	ND (0.32) UJ	ND (1.7)
Dibenzofuran	65	4.9	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.32)	0.019 J
Diethyl phthalate	840	450	ND (0.33)	ND (0.33) UJ	ND (0.33) UJ	ND (0.33)	ND (0.32)	ND (0.33) UJ
Dimethyl phthalate	1100	1100	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.32)	ND (0.33)
Di-n-butylphthalate	760	760	1.0	0.24 J	0.073 J	0.58	ND (0.32)	0.71
Di-n-octyl phthalate	2000	2000	ND (1.7)	ND (0.33) UJ	ND (0.33) UJ	ND (3.4)	ND (0.33)	ND (1.7) UJ
Fluoranthene	880	880	ND (0.33)	ND (0.33)	ND (0.33)	0.028 J	ND (0.32)	0.019 J
Fluorene	1100	170	ND (0.33)	ND (0.33) UJ	ND (0.33) UJ	0.019 J	ND (0.32)	0.022 J
Hexachlorobenzene	3.9	2.2	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.32)	ND (0.33)
Hexachlorobutadiene Hexachlorocyclopentadiene	44 720	16 400	ND (0.33) ND (0.34)	ND (0.33) ND (0.34) UJ	ND (0.33) ND (0.34) UJ	ND (0.33) ND (0.34)	ND (0.32) ND (0.33) UJ	ND (0.33) ND (0.34) UJ
Hexachloroethane	7.7	2.8	ND (0.33)	ND (0.34) UJ	ND (0.34) UJ	ND (0.34) ND (0.33)	ND (0.32)	ND (0.34) (0)
Indeno(1,2,3-cd)pyrene	3.1	3.1	ND (1.7) UJ	ND (0.33)	ND (0.33)	ND (3.3)	ND (0.32) UJ	ND (0.33) ND (1.7)
Isophorone	18	5.3	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.32) ND (0.32)	ND (0.33)
Naphthalene	170	0.7	0.017 J	ND (0.33) UJ	ND (0.33) UJ	0.053 J	ND (0.32)	0.079 J
Nitrobenzene	0.34	0.028	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.32)	ND (0.33)
N-Nitrosodimethylamine	*	*	ND (2.0) UJ	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)
N-Nitrosodi-n-propylamine	0.002	0.0006	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.32)	ND (0.33)
N-Nitrosodiphenylamine	32	9.7	ND (0.33)	ND (0.33) UJ	ND (0.33) UJ	ND (0.33)	ND (0.32)	ND (0.33) UJ
Pentachlorophenol	0.66	0.028	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)
Phenanthrene	170	13	0.062 J	0.016 J	ND (0.33) UJ	0.11 J	ND (0.32)	0.11 J
Phenol	160	56	ND (0.33)	ND (0.33)	0.029 J	0.61	0.070 J	0.39
Pyrene	570	570	ND (1.7)	ND (0.33)	ND (0.33)	ND (3.3)	ND (0.32)	ND (1.7)

TABLE 4.20 Page 2 of 2

SUMMARY OF INTERMEDIATE SUBSURFACE SOIL SVOC, PCB, AND GENERAL CHEMISTRY ANALYTICAL DATA - SWMU 5 RADIO MATERIALS CORPORATION ATTICA, INDIANA

Sample Location: Sample ID: Sample Date: Sample Depth:	IDEM RISC IDCL a	IDEM RISC RDCL b	B-506 S-080703-MG-019 8/7/2003 18-20 ft BGS	B-512 S-081503-MG-072 8/15/2003 18-20 ft BGS	B-512 S-081503-MG-073 8/15/2003 18-20 ft BGS Duplicate	B-517 S-081903-MG-079 8/19/2003 18-20 ft BGS	B-523 S-081203-MG-049 8/12/2003 22-24 ft BGS	B-524 S-081503-MG-070 8/15/2003 22-24 ft BGS
Polychlorinated Biphenyls (mg/kg)								
Aroclor-1016 (PCB-1016)	*	*	ND (0.10)	ND (0.10)	ND (0.10)	ND (0.10)	ND (0.10)	ND (0.10)
Aroclor-1221 (PCB-1221)	*	*	ND (0.24)	ND (0.20)	ND (0.20)	ND (0.94)	ND (0.20)	ND (0.20)
Aroclor-1232 (PCB-1232)	*	*	ND (0.10)	ND (0.10)	ND (0.10)	ND (0.11)	ND (0.10)	ND (0.10)
Aroclor-1242 (PCB-1242)	*	*	ND (0.10)	ND (0.10)	ND (0.10)	ND (0.10)	ND (0.10)	ND (0.10)
Aroclor-1248 (PCB-1248)	*	*	ND (0.10)	ND (0.10)	ND (0.10)	ND (0.16)	ND (0.10)	ND (0.10)
Aroclor-1254 (PCB-1254)	*	*	ND (0.10)	ND (0.10)	ND (0.10)	ND (0.10)	ND (0.10)	ND (0.10)
Aroclor-1260 (PCB-1260)	*	*	ND (0.10)	ND (0.10)	ND (0.10)	ND (0.10)	ND (0.10)	ND (0.10)
<u>General Chemistry</u> Cyanide (total) (mg/kg)	*	*		ND (0.4)	ND (0.4)	ND (0.2)	D (0.28) D ND (0.3	ND (0.4)

Notes

IDEM - Indiana Department of Environmental Management

RISC - Risk Integrated System of Closure

IDCL - Industrial Default Closure Level

RDCL - Residential Default Closure Level

* - Criteria not established for this analyte.

-- - Not Analyzed

BGS - below ground surface

mg/kg - milligrams per kilogram

ND(1.1) - Analyte not detected at quantitation limit in parenthesis.

J - The associated value is an estimated quantity.

TABLE 4.21 Page 1 of 4

Sample Location: Sample ID:		IDEM		B-501 S-080403-MG-001	B-501 S-080403-MG-002	B-504 S-080603-MG-017	B-505 S-081103-MG-040	B-505 S-081103-MG-041	B-506 S-080703-MG-019	B-507 S-081203-MG-045	B-508 S-080703-MG-020	B-508 S-080703-MG-021	B-508 S-080703-MG-022	B-509 S-080803-MG-027	B-509 S-080803-MG-028	B-509 S-080803-MG-029
Sample Date:	RISC		Background	8/4/2003	8/4/2003	8/6/2003	8/11/2003	8/11/2003	8/7/2003	8/12/2003	8/7/2003	8/7/2003	8/7/2003	8/8/2003	8/8/2003	8/8/2003
Sample Depth:		RDCL	Subsurface	22-24 ft BGS	28-30 ft BGS	26-28 ft BGS	10-12 ft BGS	18-20 ft BGS	18-20 ft BGS	18-20 ft BGS	14-16 ft BGS	14-16 ft BGS	26-28 ft BGS	10-12 ft BGS	10-12 ft BGS	22-24 ft BGS
, ,	а	b	c	,	,	,	,	,	,	,	,	Duplicate	,	,	Duplicate	,
Metals (mg/kg)																
Aluminum	*	*	27562	2600	2210	2020	6470	1720	5020	2160	2140	3450	1340	5840	8300	3280
Antimony	37	5.4	0.252	0.1 J	0.05 J	0.05 J	0.09 J	0.08 J	0.15 J	0.13 J	0.12 J	0.25 J	0.11 J	0.12 J	0.12 J	0.09 J
Arsenic	20	3.9	10.6	5.8 ^b	3.7	3.3	5.7 ^b	4.8 ^b	5.4 ^b	8.6 ^b	5.1 J ^b	11.9 J ^{bc}	3.1	6.3 ^b	6.2 ^b	3.6
Barium	5900	1600	181	13.7	17.8	14.6	24	15.4	21.3	10.2	13.2	16.5	16.1	37.8	43.8	26.9
Beryllium	2300	63	0.86	0.09	0.09	0.09	0.28	0.1	0.19	0.1	0.12	0.14	0.07	0.29	0.37	0.15
Cadmium	77	7.5	0.341	0.11	0.09	0.12	0.18	0.13	0.16	0.17	0.11	0.13	0.1	0.24	0.18	0.1
Calcium	*	*	147894	87200	107000	170000°	83800	66700	1610	66100	60500	54100	149000°	45600	36900	71500
Chromium Total	120	38	34.6	6.9	4.8	4.6	11.6	3.4	13.3	5.9	5.1 J	12.4 J	3.2	11.3	14.9	8.4
Cobalt	*	*	16.6	3.9	ND (2)	3.5	5.7	ND (2.1)	9.8	3.6	3.7	5.5	2.6	6.7	7.8	4
Copper	2700	920	24.0	14	8.6	9.2	13	7.5	16.1	11.6	7.9	13.2	7.8	14.5	14.6	11.8
Cyanide (total)	*	*	-						ND (0.15)							
Iron	*	*	40017	16300	7180	6640	13600	6710	14100	10500	9650 J	21100 J	8330	15800	18000	11800
Lead	230	81	40.8	6	6.01	3.88	8.98	4.26	11.4	8.74	7.96 J	91.5 J ^{bc}	4.14	12.9	12.6	8.06
Magnesium	*	*	48865	29700	28100	36400	30900	18500	2640	22100	22400	23300	36700	25000	20700	25000
Manganese	*	*	1360	431	330	323	389	229	173	309	404	348	622	458	473	328
Mercury	32	2.1	0.101	ND (0.02)	ND (0.01)	0.02	ND (0.02)									
Nickel	2700	950	44.4	10.6	8.9	11.5	15.6	8.9	20.4	14.4	9.3	11.2	9.3	20.4	18.7	12.7
Potassium	*	*	2479	ND (443)	512	495	1800	ND (413)	827	ND (476)	ND (430)	647	456	1070	1810	810
Selenium	53	5.2	-	ND (1.1)	ND (1)	ND (1)	ND (1.1)	ND (1)	ND (1.2)	ND (1.2)	ND (1.1)	ND (1.1)	ND (1)	ND (1.2)	ND (1.2)	ND (1)
Silver	87	31	0.132	ND (0.02)	0.03	ND (0.02)	ND (0.02)	0.02	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)				
Sodium	*	*	177	106	106	125	109	65.6	68.7	71	90	87	101	75.1	90.4	96.4
Thallium	10	2.8	0.41	0.13	0.09	0.12	0.22	0.12	0.24	0.14	0.12	0.17	0.13	0.3	0.26	0.13
Vanadium	*	*	36.3	7.6	7.3	8.1	11.3	4.9	11.7	6	6.7	8.3	4.9	11.2	14.3	7.1
Zinc	10000	10000	120	75.3	67.1	30.3	59.7	42.9	76.8	35.9	32.6 J	59.9 J	36.9	67.7	66.9	60.4

TABLE 4.21 Page 2 of 4

Sample Location: Sample ID: Sample Date: Sample Depth:	IDEM RISC	IDEM RISC RDCL	Background Subsurface	B-510 S-081303-MG-056 8/13/2003 14-16 ft BGS	B-511 S-080803-MG-030 8/8/2003 10-12 ft BGS	B-511 S-080803-MG-031 8/8/2003 14-16 ft BGS	B-512 S-081503-MG-072 8/15/2003 18-20 ft BGS	B-512 S-081503-MG-073 8/15/2003 18-20 ft BGS	B-513 S-080503-MG-005 8/5/2003 12-14 ft BGS	B-513 S-080503-MG-006 8/5/2003 12-14 ft BGS	B-515 S-081403-MG-060 8/14/2003 16-18 ft BGS	B-515 S-081403-MG-061 8/14/2003 24-26 ft BGS	B-516 S-081803-MG-076 8/18/2003 16-18 ft BGS	B-516 S-081803-MG-077 8/18/2003 28-29.5 ft BGS	B-517 S-081903-MG-079 8/19/2003 18-20 ft BGS	B-518 S-081903-MG-081 8/19/2003 18-20 ft BGS
	а	b	c	·	ŕ	·	ŕ	Duplicate	•	Duplicate	ŕ	ŕ	·	·	·	·
Metals (mg/kg)																
Aluminum	*	*	27562	4810	1920	5630	7760	7410	3910	4010	4640	7710	3900	3260	3910 J	2910
Antimony	37	5.4	0.252	0.18 J	0.09 J	0.09 J	ND (0.06) UJ	0.08 J	0.09 J	0.09 J	0.09 J	0.17 J	0.11 J	0.08 J	0.09 J	0.12 J
Arsenic	20	3.9	10.6	6.4^{b}	3.5	7.2 ^b	5.8 ^b	6.9 ^b	4.9^{b}	4.7 ^b	5.4 ^b	3.2	4.6 ^b	3.6	5.5 ^b	4.9^{b}
Barium	5900	1600	181	31.8	10.6	34.1	37.3	44.3	31.6	31.1	30.4	45.2	29.4	27	21.6	14.5
Beryllium	2300	63	0.86	0.29	0.09	0.25	0.33	0.46	0.17	0.17	0.19	0.29	0.25	0.14	0.22	0.18
Cadmium	77	7.5	0.341	0.18	0.1	0.21	0.15	0.17	0.17	0.17	0.17	0.37^{c}	0.2	0.18	0.23	0.16
Calcium	*	*	147894	55200	72800	64200	61800	63000	27400	31400	71700	66400	103000	108000	83100	12900
Chromium Total	120	38	34.6	9.2	5.8	10.8	23.5	13.1	8.1	7.3	8.3	14.1	7.9	7.8	7.4	7.2
Cobalt	*	*	16.6	9.8	ND (2.1)	6	7.6	7.1	5.4	5.1	3.3	8	5	3.6	4	4.9
Copper	2700	920	24.0	12.8	8	11.1	12.8	12.7	11.6	15.4	11.9	14.2	11	8.5	12.2	19.6
Cyanide (total)	*	*	-													
Iron	*	*	40017	15100	6440	14500	14900	18300	12000	10600	12600	16900	10300	8820	10700 J	11500
Lead	230	81	40.8	9.79	5.99	7.01	8.55	10.6	8.99	7.84	7.76	7.64	7.82	6.25	9.43	9.52
Magnesium	*	*	48865	19100	31100	24200	18500	26300	16100	18100	23500	20700	25800	37000	26400 J	8310
Manganese	*	*	1360	237	242	327	410	440	541	379	279	222	331	406	291 J	366
Mercury	32	2.1	0.101	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.01)	ND (0.02)
Nickel	2700	950	44.4	21.2	8.8	16.7	19.9	23	12.5	12.9	17.1	27.2	19.6	15.1	15.2	15.3
Potassium	*	*	2479	1190	ND (419)	1550	2030	1990	784	738	1080	1910	820	532	1060	ND (481)
Selenium	53	5.2	-	ND (1.1)	ND (1)	ND (1.1)	ND (1.1)	ND (1.1)	ND (1.1)	ND (1.1)	ND (1.1)	2	1.2	ND (1)	ND (1.2)	ND (1.2)
Silver	87	31	0.132	0.06	ND (0.02)	ND (0.02)	0.03	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	0.05	ND (0.02)	ND (0.02)	0.11	0.08
Sodium	*	*	177	108	85.6	92	112	101	56.3	59.6	101	129	68.6	98.4	98.7	53.2
Thallium	10	2.8	0.41	0.22	0.14	0.18	0.24	0.25	0.19	0.19	0.17	$0.44^{\rm c}$	0.19	0.1	0.19	0.19
Vanadium	*	*	36.3	13.2	5.3	10.8	12.7	15	8.6	8.7	8.9	16.2	11.6	8.7	10.6	11.2
Zinc	10000	10000	120	53.7	30.1	48.9	52.4	66.6	44.7	38.6	41.6	61.4	54.6	43.9	48.7 J	59.9

TABLE 4.21 Page 3 of 4

Sample Location: Sample ID: Sample Date: Sample Depth:	IDEM RISC	I IDEM RISC RDCL b	Background Subsurface c	B-519 S-081203-MG-047 8/12/2003 12-14 ft BGS	B-519 S-081203-MG-048 8/12/2003 26-28 ft BGS	B-520 S-080703-MG-023 8/7/2003 12-14 ft BGS	B-521 S-081403-MG-068 8/14/2003 26-28 ft BGS	B-522 S-081803-MG-074 8/18/2003 10-12 ft BGS	B-522 S-081803-MG-075 8/18/2003 24-26 ft BGS	B-523 S-081203-MG-049 8/12/2003 22-24 ft BGS	B-523 S-081203-MG-050 8/12/2003 26-28 ft BGS	B-524 S-081503-MG-069 8/15/2003 10-12 ft BGS	B-524 S-081503-MG-070 8/15/2003 22-24 ft BGS	B-525 S-080503-MG-008 8/5/2003 10-12 ft BGS	B-526 S-081303-MG-051 8/13/2003 10-12 ft BGS	B-527 S-080703-MG-025 8/7/2003 22-24 ft BGS
Metals (mg/kg)																
Aluminum	*	*	27562	4330	1880	3700	3150	9870 J	5260	4610	1660	2430	4530	8820	10600	2740
Antimony	37	5.4	0.252	0.1 J	0.08 J	0.12 J	0.11 J	0.1 J	0.11 J	0.1 J	0.09 J	0.21 J	0.11 J	0.11 J	0.13 J	0.08 J
Arsenic	20	3.9	10.6	6.8 ^b	6.6 ^b	7.2 ^b	4.1 ^b	5.7 J ^b	2.8	3.8	$4.7^{\rm b}$	5 J ^b	4^{b}	10^{b}	10.3 ^b	3.2
Barium	5900	1600	181	25	12	28	30.9	48.7 J	15.4	22.7	16.5	17.9 J	33.7	65.9	109	18 J
Beryllium	2300	63	0.86	0.22	0.11	0.19	0.18	0.57	0.22	0.18	0.08	0.11	0.21	0.42	0.57	0.1
Cadmium	77	7.5	0.341	0.21	0.1	0.23	0.17	0.16	0.13	0.18	0.12	0.2	0.22	0.24	0.24	0.11
Calcium	*	*	147894	44900	127000	58700	72900	31300 J	87200	79300	143000	101000 J	102000	1970	2010	67100 J
Chromium Total	120	38	34.6	7.8	4.7	6.4	6.3	16.4 J	8.6	13.3	3.5	5.7	9.1	20	18.5	6.7
Cobalt	*	*	16.6	5.3	3	5.6	3.5	9.8	4.5	5.7	3.4	3.1	5	7.2	8	3.3
Copper	2700	920	24.0	13.7	9.8	13.2	9.8	16.2 J	10.6	17	14.4	8.6 J	12.3	21.6	17.4 J	8.7 J
Cyanide (total)	*	*	-													
Iron	*	*	40017	14100	8550	12100	9260	24100	15600	14000	6990	21400 J	10900	21400	25200	8810
Lead	230	81	40.8	9.38	8.05	14.1	6.57	14.6	6.28	12.9	7.55	7.7 J	9.46	15.6	22.2	5.59 J
Magnesium	*	*	48865	19300	28800	20200	23500	17800 J	29600	23700	37000	31800 J	33300	2400	2820	17600 J
Manganese	*	*	1360	471	350	433	293	544	323	351	327	377 J	373	601	877	276 J
Mercury	32	2.1	0.101	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	0.03	ND (0.01)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	0.02	ND (0.02)	ND (0.02)
Nickel	2700		44.4	17.4	12.9	15.3	15.8	25.2 J	17.9	19.4	16.5	15.8	18.6	23.8	21.5	8.6
Potassium	*	*	2479	796	ND (424)	534	791	1690	1360	785	ND (428)	ND (421)	968	1010	1100	552
Selenium	53	5.2	-	ND (1.1)	ND (1.1)	ND (1.2)	ND (1.1)	ND (1.2)	ND (1.1)	ND (1.2)	ND (1.2)	ND (1.1)				
Silver	87	31	0.132	ND (0.02)	ND (0.02)	ND (0.02)	0.03	0.1	0.03	0.02	ND (0.02)	0.03	0.03	0.02	0.05	ND (0.02)
Sodium	*	*	177	70	87.3	75	93.5	78.9	119	78.5	92	115 J	118	37.3	54.9	97.4
Thallium	10	2.8	0.41	0.19	0.11	0.24	0.18	0.32	0.2	0.21	0.12	0.22 J	0.21	0.36	0.27	0.14 J
Vanadium	*	*	36.3	13	7.8	10.1	9	19 J	9.8	11.1	8.2	7.1	9.2	17.4	28.2 J	7.5 J
Zinc	10000	10000	120	56.4	42.7	46.9	41.4	71.7	38.2	50.3	36.9	59.6	48.7	73.4	77.4	42.5

TABLE 4.21 Page 4 of 4

SUMMARY OF INTERMEDIATE SUBSURFACE SOIL METALS ANALYTICAL DATA - SWMU 5 RADIO MATERIALS CORPORATION ATTICA, INDIANA

Sample Location: Sample ID: Sample Date: Sample Depth:		IDEM RISC RDCL b	Background Subsurface c	B-528 S-081403-MG-064 8/14/2003 14-16 ft BGS	B-528 S-081403-MG-065 8/14/2003 14-16 ft BGS Duplicate	B-528 S-081403-MG-066 8/14/2003 24-26 ft BGS	B-529 S-081303-MG-058 8/13/2003 16-18 ft BGS	B-529 S-081303-MG-059 8/13/2003 24-26 ft BGS	B-530 S-080803-MG-033 8/8/2003 22-24 ft BGS	B-531 S-081103-MG-038 8/11/2003 10-12 ft BGS	B-531 S-081103-MG-039 8/11/2003 26-28 ft BGS	B-533 S-081103-MG-036 8/11/2003 14-16 ft BGS	B-535 S-081103-MG-035 8/11/2003 28-30 ft BGS	B-536 S-080603-MG-015 8/6/2003 24-36 ft BGS	B-537 S-081403-MG-062 8/14/2003 14-16 ft BGS	B-537 S-081403-MG-063 8/14/2003 28-30 ft BGS	B-538 S-100603-MG-361 10/6/2003 10-12 ft BGS
Metals (mg/kg)																	
Aluminum	*	*	27562	4920	6050	3020	6550	6770	4410	7740	3040	12000	1620	6300	5200	1880	7850
Antimony	37	5.4	0.252	0.1 J	0.08 J	0.09 J	0.07 J	0.08 J	0.08 J	0.12 J	0.12 J	0.18 J	0.08 J	0.06 J	0.1 J	0.08 J	0.12 J
Arsenic	20	3.9	10.6	4.5 ^b	4.4^{b}	3.5	4.3 ^b	3.5	7.3 ^b	5.9 ^b	5 ^b	8.3 ^b	3.4	5.4 ^b	3.2	3.2	5.2 J ^b
Barium	5900	1600	181	31	25.6	14.1	29.8	26.8	34.6	55.1	13.8	80.8	15.1	53.6	25.6	10.8	28.6 J
Beryllium	2300	63	0.86	0.23	0.23	0.1	0.22	0.19	0.22	0.35	0.15	0.5	0.1	0.24	0.17	0.09	0.29
Cadmium	77	7.5	0.341	0.18	0.13	0.17	0.14	0.11	0.12	0.18	0.13	0.21	0.1	0.16	0.2	0.13	0.18
Calcium	*	*	147894	66300	61800	77000	72800	79600	71300	1190	124000	1930	70800	87300	79600	117000	49900 J
Chromium Total	120	38	34.6	9.3	10.5	5.5	11.8	11.3	8.7	12.1	9.8	15.7	4	10.6	9.3	3.5	13.8
Cobalt	*	*	16.6	5.5	6.9	3.2	4.6	3	6.4	5.5	3.4	8.4	ND (2.1)	5.2	4.1	ND (2.1)	7
Copper	2700	920	24.0	10.6	9.4	9.1	11.5	9.6	10.8	12.1	9.9	18.7	7.8	11.4	10.2	8	11.9 J
Cyanide (total)	*	*	-														
Iron	*	*	40017	13100	14300	11200	13700	12800	12400	15400	9200	23300	6090	13000	11400	7000	17000
Lead	230	81	40.8	9.82	8.1	6.6	7.85	7.62	7.32	11	5.76	11.1	4.47	6.76	6.31	6.18	9.33 J
Magnesium	*	*	48865	26200	23100	19800	26700	29000	28100	1940	52200°	2320	17000	36900	28300	32600	19500 J
Manganese	*	*	1360	399	409	365	391	265	317	463	224	732	234	305	318	273	456
Mercury	32	2.1	0.101	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	0.02	ND (0.02)	0.02	ND (0.02)	ND (0.02)	ND (0.01)	ND (0.02)	ND (0.02)
Nickel	2700	950	44.4	20.7	17.3	14.1	17.3	15.3	12.9	15.9	10.5	17.3	8.2	15	18.7	17.6	21.6
Potassium	*	*	2479	1020	1420	642	1790	2020	1140	756	888	1020	ND (418)	1860	1220	ND (413)	1510
Selenium	53	5.2	-	ND (1.1)	ND (1.1)	ND (1.1)	1.7	ND (1.1)	ND (1.1)	ND (1.1)	ND (1.1)	ND (1.2)	ND (1)	ND (1.1)	ND (1.1)	ND (1)	ND (1.1)
Silver	87	31	0.132	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	0.03	ND (0.02)	ND (0.02)	0.05	ND (0.02)	0.05
Sodium	*	*	177	99.9	86.1	90.9	119	139	105	24.9	122	56.3	67.1	139	133	119	84.3
Thallium	10	2.8	0.41	0.3	0.25	0.2	0.16	0.17	0.2	0.21	0.12	0.26	0.13	0.22	0.28	0.13	0.29
Vanadium	*	*	36.3	10	9.9	6.8	11.2	8.5	9.2	13.3	8.1	16.7	4.8	13	9.5	6.7	11.5 J
Zinc	10000	10000	120	57.3	63	46.1	45.8	44.2	46.1	50.6	36.2	71.5	30.3	55.7	35.8	30.3	57.7

Notes:
IDEM - Indiana Department of Environmental Management

RISC - Risk Integrated System of Closure

IDCL - Industrial Default Closure Level

RDCL - Residential Default Closure Level

* - Criteria not established for this analyte. -- - Not Analyzed

BGS - below ground surface

mg/kg - milligrams per kilogram

ND(1.1) - Analyte not detected at quantitation limit in parenthesis.

J - The associated value is an estimated quantity.

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SUMMARY OF DEEP SUBSURFACE SOIL VOC ANALYTICAL DATA - SWMU 5 RADIO MATERIALS CORPORATION ATTICA, INDIANA

Sample Location:			B-502	B-503	B-507	B-510	B-510	B-510	B-511	B-513	B-514	B-515	B-520	B-521	B-525	B-526	B-526	B-527
Sample ID: Sample Date:	IDEM RISC	IDEM RISC	S-080503-MG-004 8/5/2003	S-081203-MG-044 8/12/2003	S-081203-MG-046 8/12/2003	S-081303-MG-057 8/13/2003	S-100303-MG-358 10/3/2003	S-100303-MG-359 10/3/2003	S-100303-MG-360 10/3/2003	S-080503-MG-007 8/5/2003	S-081303-MG-055 8/13/2003	S-100203-MG-357 10/2/2003	S-080703-MG-024 8/7/2003	S-100203-MG-356 10/2/2003	S-080503-MG-009 8/5/2003	S-081303-MG-052 8/13/2003	S-081303-MG-053 8/13/2003	S-080703-MG-026 8/7/2003
Sample Date: Sample Depth:	IDCL	RDCL	42-44 ft BGS	32-34 ft BGS	32-34 ft BGS	30-32 ft BGS	46-48 ft BGS	46-48 ft BGS	32-34 ft BGS	32-34 ft BGS	34-36 ft BGS	46-48 ft BGS	36-38 ft BGS	50-52 ft BGS	30-31.5 ft BGS	38-40 ft BGS	38-40 ft BGS	30-32 ft BGS
	а	b	•	ŕ	ŕ	•	•	Duplicate	•	•	•	•	•	·	•	•	Duplicate	•
Volatile Organic Compounds (mg/kg)																		
1,1,1,2-Tetrachloroethane	0.85	0.053	ND (0.0069) UJ	ND (0.0063)	ND (0.0055)	ND (0.0078)	ND (0.0069)	ND (0.006)	ND (0.072)	ND (0.0061) UJ	ND (0.0061)	ND (0.067)	ND (0.0044)	ND (0.069)	ND (0.0065) UJ	ND (0.0052)	ND (0.0051)	ND (0.005)
1,1,1-Trichloroethane	280	1.9	ND (0.0069)	ND (0.0063) UJ	ND (0.0055) UJ	ND (0.0078)	ND (0.0069)	ND (0.006)	ND (0.072)	ND (0.0061)	ND (0.0061)	ND (0.067)	ND (0.0044)	ND (0.069)	ND (0.0065)	ND (0.0052)	ND (0.0051)	ND (0.005)
1,1,2,2-Tetrachloroethane 1,1,2-Trichloroethane	0.11 0.3	0.007 0.03	ND (0.0069) ND (0.0069)	ND (0.0063) ND (0.0063)	ND (0.0055) ND (0.0055)	ND (0.0078) ND (0.0078)	ND (0.0069) ND (0.0069)	ND (0.006) ND (0.006)	ND (0.072) ND (0.072)	ND (0.0061) ND (0.0061)	ND (0.0061) 0.0011 J	ND (0.067) ND (0.067)	ND (0.0044) UJ ND (0.0044)	ND (0.069) ND (0.069)	ND (0.0065) ND (0.0065)	ND (0.0052) ND (0.0052)	ND (0.0051) ND (0.0051)	ND (0.005) ND (0.005)
1,1-Dichloroethane	58	5.6	ND (0.0069)	ND (0.0063)	ND (0.0055)	ND (0.0078)	ND (0.0069)	ND (0.006)	ND (0.072)	ND (0.0061)	ND (0.0061)	ND (0.067)	ND (0.0044)	ND (0.069)	ND (0.0065)	ND (0.0052)	ND (0.0051)	ND (0.005)
1,1-Dichloroethene	42	0.058	ND (0.0069)	ND (0.0063)	ND (0.0055)	ND (0.0078)	ND (0.0069)	ND (0.006)	ND (0.072)	ND (0.0061)	ND (0.0061)	ND (0.067)	0.02	ND (0.069)	ND (0.0065)	ND (0.0052)	ND (0.0051)	ND (0.005)
1,1-Dichloropropene	*	*	ND (0.0069)	ND (0.0063)	ND (0.0055)	ND (0.0078)	ND (0.0069)	ND (0.006)	ND (0.072) UJ	ND (0.0061)	ND (0.0061)	ND (0.067) UJ	ND (0.0044)	ND (0.069)	ND (0.0065)	ND (0.0052)	ND (0.0051)	ND (0.005)
1,2,3-Trichlorobenzene 1,2,3-Trichloropropane	*	*	ND (0.028) ND (0.0069)	ND (0.026) ND (0.0063)	ND (0.022) ND (0.0055)	ND (0.032) ND (0.0078)	ND (0.028) ND (0.0069)	ND (0.024) ND (0.006)	ND (0.29) UJ ND (0.072)	ND (0.025) ND (0.0061)	ND (0.025) ND (0.0061)	ND (0.27) UJ ND (0.067)	ND (0.018) UJ ND (0.0044) UJ	ND (0.28) ND (0.069)	ND (0.026) ND (0.0065)	ND (0.021) ND (0.0052)	ND (0.021) ND (0.0051)	ND (0.02) ND (0.005)
1.2.4-Trichlorobenzene	77	5.3	ND (0.028)	ND (0.026)	ND (0.0033)	ND (0.032)	ND (0.009)	ND (0.024)	ND (0.29)	ND (0.0001)	ND (0.025)	ND (0.27)	ND (0.018) UJ	ND (0.28)	ND (0.006)	ND (0.0032)	ND (0.0031)	ND (0.02)
1,2,4-Trimethylbenzene	170	2.5	ND (0.028)	ND (0.026)	ND (0.022)	ND (0.032)	ND (0.028)	ND (0.024)	ND (0.29) UJ	ND (0.025)	ND (0.025)	ND (0.27)	ND (0.018) UJ	ND (0.28)	ND (0.026)	ND (0.021)	ND (0.021)	ND (0.02)
1,2-Dibromo-3-chloropropane (DBCP)	*	*	ND (0.028)	ND (0.026) UJ	ND (0.022) UJ	ND (0.032) UJ	ND (0.028)	ND (0.024)	ND (0.29)	ND (0.025)	ND (0.025) UJ	ND (0.27)	ND (0.018) UJ	ND (0.28)	ND (0.026)	ND (0.021) UJ	ND (0.021) UJ	ND (0.02) UJ
1,2-Dibromoethane (Ethylene Dibromide) 1,2-Dichlorobenzene	* 220	* 17	ND (0.028) ND (0.0069) UJ	ND (0.026)	ND (0.022) ND (0.0055)	ND (0.032)	ND (0.028)	ND (0.024) ND (0.006)	ND (0.29)	ND (0.025)	ND (0.025)	ND (0.27)	ND (0.018)	ND (0.28) ND (0.069)	ND (0.026)	ND (0.021) ND (0.0052)	ND (0.021) ND (0.0051)	ND (0.02) ND (0.005)
1,2-Dichloroethane	0.15	0.024	ND (0.0069) UJ ND (0.0069)	ND (0.0063) ND (0.0063) UJ	ND (0.0055) ND (0.0055) UJ	ND (0.0078) ND (0.0078)	ND (0.0069) ND (0.0069)	ND (0.006) ND (0.006)	ND (0.072) ND (0.072)	ND (0.0061) UJ ND (0.0061)	ND (0.0061) ND (0.0061)	ND (0.067) ND (0.067)	ND (0.0044) UJ ND (0.0044)	ND (0.069) ND (0.069)	ND (0.0065) UJ ND (0.0065)	ND (0.0052) ND (0.0052)	ND (0.0051) ND (0.0051)	ND (0.005)
1,2-Dichloropropane	0.25	0.03	ND (0.0069)	ND (0.0063)	ND (0.0055)	ND (0.0078)	ND (0.0069)	ND (0.006)	ND (0.072)	ND (0.0061)	ND (0.0061)	ND (0.067)	ND (0.0044)	ND (0.069)	ND (0.0065)	ND (0.0052)	ND (0.0051)	ND (0.005)
1,3,5-Trimethylbenzene	68	0.61	ND (0.028)	ND (0.026)	ND (0.022)	ND (0.032)	ND (0.028)	ND (0.024)	ND (0.29) UJ	ND (0.025)	ND (0.025)	ND (0.27) UJ	ND (0.018) UJ	ND (0.28)	ND (0.026)	ND (0.021)	ND (0.021)	ND (0.02)
1,3-Dichlorobenzene	2.7	0.2	ND (0.0069)	ND (0.0063)	ND (0.0055)	ND (0.0078)	ND (0.0069)	ND (0.006)	ND (0.072)	ND (0.0061)	ND (0.0061)	ND (0.067)	ND (0.0044) UJ	ND (0.069)	ND (0.0065)	ND (0.0052)	ND (0.0051)	ND (0.005)
1,3-Dichloropropane 1,4-Dichlorobenzene	3.4	2.2	ND (0.0069) ND (0.0069)	ND (0.0063) ND (0.0063)	ND (0.0055) ND (0.0055)	ND (0.0078) ND (0.0078)	ND (0.0069) ND (0.0069)	ND (0.006) ND (0.006)	ND (0.072) ND (0.072)	ND (0.0061) ND (0.0061)	ND (0.0061) ND (0.0061)	ND (0.067) ND (0.067)	ND (0.0044) ND (0.0044) UJ	ND (0.069) ND (0.069)	ND (0.0065) ND (0.0065)	ND (0.0052) ND (0.0052)	ND (0.0051) ND (0.0051)	ND (0.005) ND (0.005)
2,2-Dichloropropane	*	*	ND (0.0069)	ND (0.0063) UJ	ND (0.0055) UJ	ND (0.0078)	ND (0.0069)	ND (0.006)	ND (0.072)	ND (0.0061)	ND (0.0061)	ND (0.067)	ND (0.0044)	ND (0.069)	ND (0.0065)	ND (0.0052)	ND (0.0051)	ND (0.005)
2-Butanone (Methyl Ethyl Ketone)	250	35	ND (0.028) UJ	ND (0.026) UJ	ND (0.022) UJ	ND (0.032)	ND (0.028) UJ	ND (0.024) UJ	ND (2.9) ÚJ	ND (0.025) UJ	ND (0.025)	ND (2.7) ÚJ	ND (0.018) UJ	ND (2.8)	ND (0.026) UJ	ND (0.021)	ND (0.021)	ND (0.02) UJ
2-Chlorotoluene	*	*	ND (0.028)	ND (0.026)	ND (0.022)	ND (0.032)	ND (0.028)	ND (0.024)	ND (0.29)	ND (0.025)	ND (0.025)	ND (0.27)	ND (0.018) UJ	ND (0.28)	ND (0.026)	ND (0.021)	ND (0.021)	ND (0.02)
2-Hexanone	*	*	ND (0.028) ND (0.028)	ND (0.026) UJ ND (0.026)	ND (0.022) UJ ND (0.022)	ND (0.032) ND (0.032)	ND (0.028) UJ ND (0.028)	ND (0.024) UJ ND (0.024)	ND (2.9) UJ ND (0.29) UJ	ND (0.025) ND (0.025)	ND (0.025) ND (0.025)	ND (2.7) UJ ND (0.27) UJ	ND (0.018) UJ	ND (2.8) ND (0.28)	ND (0.026) ND (0.026)	ND (0.021) ND (0.021)	ND (0.021) ND (0.021)	ND (0.02) UJ ND (0.02)
2-Phenylbutane (sec-Butylbenzene) 4-Chlorotoluene	*	*	ND (0.028) UJ	ND (0.026)	ND (0.022)	ND (0.032) ND (0.032)	ND (0.028)	ND (0.024)	ND (0.29)	ND (0.025) UJ	ND (0.025)	ND (0.27) OJ ND (0.27)	ND (0.018) UJ ND (0.018) UJ	ND (0.28)	ND (0.026) ND (0.026) UJ	ND (0.021)	ND (0.021)	ND (0.02)
4-Methyl-2-Pentanone			()	()	()	112 (01002)	()	(0.02-5)	112 (4.27)	(0.020) 0)	()	()	() -,	()	(**********************************	()	(0.022)	()
(Methyl Isobutyl Ketone)	75	20	ND (0.028)	ND (0.026)	ND (0.022)	ND (0.032)	ND (0.028) UJ	ND (0.024) UJ	ND (2.9) UJ	ND (0.025)	ND (0.025)	ND (2.7) UJ	ND (0.018)	ND (2.8)	ND (0.026)	ND (0.021)	ND (0.021)	ND (0.02)
Acetone	370 0.35	3.8 0.034	ND (0.069)	ND (0.063) UJ	ND (0.055) UJ	ND (0.078)	ND (0.069)	ND (0.06)	ND (2.9)	0.014 J	ND (0.061)	ND (2.7)	ND (0.044)	ND (2.8)	ND (0.065)	ND (0.052)	ND (0.051)	ND (0.05)
Benzene Bromobenzene	0.35 *	0.034 *	ND (0.0069) ND (0.0069)	ND (0.0063) ND (0.0063)	ND (0.0055) ND (0.0055)	ND (0.0078) ND (0.0078)	ND (0.0069) UJ ND (0.0069) UJ	ND (0.006) UJ ND (0.006) UJ	ND (0.072) ND (0.29)	ND (0.0061) ND (0.0061)	ND (0.0061) ND (0.0061)	ND (0.067) ND (0.27)	ND (0.0044) ND (0.0044) UJ	ND (0.069) UJ ND (0.28) UJ	ND (0.0065) ND (0.0065)	ND (0.0052) ND (0.0052)	ND (0.0051) ND (0.0051)	ND (0.005) ND (0.005)
Bromodichloromethane	0.51	0.51	ND (0.0069)	ND (0.0063) UJ	ND (0.0055) UJ	ND (0.0078)	ND (0.0069)	ND (0.006)	ND (0.072)	ND (0.0061)	ND (0.0061)	ND (0.067)	ND (0.0044)	ND (0.069)	ND (0.0065)	ND (0.0052)	ND (0.0051)	ND (0.005)
Bromoform	2.7	0.6	ND (0.0069) UJ	ND (0.0063)	ND (0.0055)	ND (0.0078) UJ	ND (0.0069)	ND (0.006)	ND (0.072)	ND (0.0061) UJ	ND (0.0061) UJ	ND (0.067)	ND (0.0044)	ND (0.069)	ND (0.0065) UJ	ND (0.0052) UJ	ND (0.0051) UJ	ND (0.005)
Bromomethane (Methyl Bromide)	0.7	0.052	ND (0.0069)	ND (0.0063)	ND (0.0055)	ND (0.0078)	ND (0.0069) UJ	ND (0.006) UJ	ND (0.072)	ND (0.0061)	ND (0.0061)	ND (0.067)	ND (0.0044)	ND (0.069) UJ	ND (0.0065)	ND (0.0052)	ND (0.0051)	ND (0.005)
Carbon disulfide Carbon tetrachloride	82 0.29	10 0.066	ND (0.0069) ND (0.0069) UJ	ND (0.0063) ND (0.0063) UJ	ND (0.0055) ND (0.0055) UJ	ND (0.0078) ND (0.0078)	ND (0.0069) ND (0.0069)	ND (0.006) ND (0.006)	ND (0.072) ND (0.072)	ND (0.0061) ND (0.0061) UJ	ND (0.0061) ND (0.0061)	ND (0.067) ND (0.067)	0.0041 J ND (0.0044)	ND (0.069) ND (0.069)	ND (0.0065) ND (0.0065) UJ	ND (0.0052) ND (0.0052)	ND (0.0051) ND (0.0051)	ND (0.005) ND (0.005)
Chlorobenzene	27	1.3	ND (0.0069)	ND (0.0063)	ND (0.0055)	ND (0.0078)	ND (0.0069)	ND (0.006)	ND (0.072)	ND (0.0061)	ND (0.0061)	ND (0.067)	ND (0.0044)	ND (0.069)	ND (0.0065)	ND (0.0052)	ND (0.0051)	ND (0.005)
Chlorobromomethane	*	*	ND (0.0069)	ND (0.0063)	ND (0.0055)	ND (0.0078)	ND (0.0069)	ND (0.006)	ND (0.072)	ND (0.0061)	ND (0.0061)	ND (0.067)	ND (0.0044)	ND (0.069)	ND (0.0065)	ND (0.0052)	ND (0.0051)	ND (0.005)
Chloroethane	10	0.65	ND (0.0069)	ND (0.0063) UJ	ND (0.0055) UJ	ND (0.0078)	ND (0.0069)	ND (0.006)	ND (0.072)	ND (0.0061)	ND (0.0061)	ND (0.067)	ND (0.0044)	ND (0.069)	ND (0.0065)	ND (0.0052)	ND (0.0051)	ND (0.005)
Chloroform (Trichloromethane) Chloromethane (Methyl Chloride)	1.2	0.47	ND (0.0069) UJ ND (0.0069)	0.001 J ND (0.0063)	ND (0.0055) ND (0.0055)	ND (0.0078) ND (0.0078)	ND (0.0069) ND (0.0069)	ND (0.006) ND (0.006)	0.017 J ND (0.072)	ND (0.0061) UJ ND (0.0061)	ND (0.0061) ND (0.0061)	ND (0.067) ND (0.067)	ND (0.0044) ND (0.0044)	ND (0.069) ND (0.069)	ND (0.0065) UJ ND (0.0065)	ND (0.0052) ND (0.0052)	ND (0.0051) ND (0.0051)	ND (0.005) ND (0.005)
cis-1,2-Dichloroethene	5.8	0.4	0.08	0.3	0.055	0.27	0.15	0.022	0.16	0.0029 J	0.4	0.29	34 ^{ab}	0.045 J	0.18	0.027 J	0.0035 J	5.6 J ^b
cis-1,3-Dichloropropene	*	*	ND (0.0069)	ND (0.0063)	ND (0.0055)	ND (0.0078)	ND (0.0069)	ND (0.006)	ND (0.072) UJ	ND (0.0061)	ND (0.0061)	ND (0.067) UJ	ND (0.0044)	ND (0.069)	ND (0.0065)	ND (0.0052)	ND (0.0051)	ND (0.005)
Cymene (p-Isopropyltoluene)	*	*	ND (0.028)	ND (0.026)	ND (0.022)	ND (0.032)	ND (0.028)	ND (0.024)	ND (0.29) UJ	ND (0.025)	ND (0.025)	ND (0.27) UJ	ND (0.018) UJ	ND (0.28)	ND (0.026)	ND (0.021)	ND (0.021)	ND (0.02)
Dibromochloromethane	*	*	ND (0.0069)	ND (0.0063)	ND (0.0055)	ND (0.0078)	ND (0.0069)	ND (0.006)	ND (0.072)	ND (0.0061)	ND (0.0061)	ND (0.067)	ND (0.0044)	ND (0.069)	ND (0.0065)	ND (0.0052)	ND (0.0051)	ND (0.005)
Dibromomethane Dichlorodifluoromethane (CFC-12)	*	*	ND (0.0069) ND (0.0069)	ND (0.0063) ND (0.0063)	ND (0.0055) ND (0.0055)	ND (0.0078) ND (0.0078)	ND (0.0069) ND (0.0069)	ND (0.006) ND (0.006)	ND (0.072) ND (0.072) UJ	ND (0.0061) ND (0.0061)	ND (0.0061) ND (0.0061)	ND (0.067) ND (0.067) UJ	ND (0.0044) ND (0.0044)	ND (0.069) ND (0.069)	ND (0.0065) ND (0.0065)	ND (0.0052) ND (0.0052)	ND (0.0051) ND (0.0051)	ND (0.005) ND (0.005)
Ethylbenzene	160	13	ND (0.0069)	ND (0.0063)	ND (0.0055)	ND (0.0078)	ND (0.0069)	ND (0.006)	ND (0.072) UJ	ND (0.0061)	ND (0.0061)	ND (0.067) UI	ND (0.0044)	ND (0.069)	ND (0.0065)	ND (0.0052)	ND (0.0051)	ND (0.005)
Hexachlorobutadiene	44	16	ND (0.028) UJ	ND (0.026)	ND (0.022)	ND (0.032)	ND (0.028)	ND (0.024)	ND (0.29)	ND (0.025) UJ	ND (0.025)	ND (0.27)	ND (0.018) UJ	ND (0.28)	ND (0.026) UJ	ND (0.021)	ND (0.021)	ND (0.02)
Isopropylbenzene	*	*	ND (0.028)	ND (0.026)	ND (0.022)	ND (0.032)	ND (0.028)	ND (0.024)	ND (0.29) UJ	ND (0.025)	ND (0.025)	ND (0.27) UJ	ND (0.018)	ND (0.28)	ND (0.026)	ND (0.021)	ND (0.021)	ND (0.02)
m&p-Xylene	1.0	0.000	ND (0.0069) UJ	ND (0.0063)	ND (0.0055)	ND (0.0078) UJ	ND (0.0069) UJ	ND (0.006) UJ	ND (0.072) UJ	ND (0.0061) UJ	ND (0.0061) UJ	ND (0.067) UJ	ND (0.0044)	ND (0.069) UJ	ND (0.0065) UJ	ND (0.0052) UJ	ND (0.0051) UJ	ND (0.005)
Methylene chloride Naphthalene	1.8 170	0.023	0.0029 J ND (0.028)	ND (0.013) ND (0.026)	ND (0.011) ND (0.022)	0.016 ND (0.032)	0.0036 J ND (0.028)	0.0029 J ND (0.024)	ND (0.29) ND (0.29) UJ	0.0029 J ND (0.025)	0.0025 J ND (0.025)	ND (0.27) ND (0.27) UJ	ND (0.0088) ND (0.018) UI	ND (0.28) ND (0.28)	0.0031 J ND (0.026)	ND (0.011) ND (0.021)	ND (0.011) ND (0.021)	ND (0.0099) ND (0.02) UJ
n-Butylbenzene	*	*	ND (0.028)	ND (0.026)	ND (0.022)	ND (0.032)	ND (0.028)	ND (0.024)	ND (0.29) UJ	ND (0.025)	ND (0.025)	ND (0.27)	ND (0.018) UJ	ND (0.28)	ND (0.026)	ND (0.021)	ND (0.021)	ND (0.02)
n-Propylbenzene	*	*	ND (0.028)	ND (0.026)	ND (0.022)	ND (0.032)	ND (0.028) UJ	ND (0.024) UJ	ND (0.29) UJ	ND (0.025)	ND (0.025)	ND (0.27) UJ	ND (0.018) UJ	ND (0.28) UJ	ND (0.026)	ND (0.021)	ND (0.021)	ND (0.02)
o-Xylene	*	*	ND (0.0069)	ND (0.0063)	ND (0.0055)	ND (0.0078)	ND (0.0069)	ND (0.006)	ND (0.072) UJ	ND (0.0061)	ND (0.0061)	ND (0.067) UJ	ND (0.0044)	ND (0.069)	ND (0.0065)	ND (0.0052)	ND (0.0051)	ND (0.005)
Styrene tert-Butylbenzene	550 *	3.5	ND (0.0069) ND (0.028)	ND (0.0063) ND (0.026)	ND (0.0055) ND (0.022)	ND (0.0078) ND (0.032)	ND (0.0069) ND (0.028)	ND (0.006) ND (0.024)	ND (0.072) UJ ND (0.29) UJ	ND (0.0061) ND (0.025)	ND (0.0061) ND (0.025)	ND (0.067) UJ ND (0.27) UJ	ND (0.0044) ND (0.018) UJ	ND (0.069) ND (0.28)	ND (0.0065) ND (0.026)	ND (0.0052) ND (0.021)	ND (0.0051) ND (0.021)	ND (0.005) ND (0.02)
Tetrachloroethene	0.64	0.058	1.6 ^{ab}	3.4 ^{ab}	4.4 ^{ab}	0.39 ^b	0.19 ^b	0.054	2.1 ^{ab}	0.027	0.24 ^b	1.2 ^{ab}	0.0031 J	0.93 ^{ab}	0.44 ^b	ND (0.0052)	ND (0.021) ND (0.0051)	0.001 J
Toluene	240	12	ND (0.0069)	ND (0.0063)	ND (0.0055)	ND (0.0078)	ND (0.0069)	ND (0.006)	ND (0.072)	ND (0.0061)	ND (0.0061)	ND (0.067)	ND (0.0044)	ND (0.069)	ND (0.0065)	ND (0.0052)	ND (0.0051)	ND (0.005)
trans-1,2-Dichloroethene	14	0.68	ND (0.0069)	ND (0.0063)	ND (0.0055)	ND (0.0078)	ND (0.0069)	ND (0.006)	ND (0.072)	ND (0.0061)	ND (0.0061)	ND (0.067)	0.15	ND (0.069)	ND (0.0065)	0.0019 J	ND (0.0051)	0.003 J
trans-1,3-Dichloropropene	*	*	ND (0.0069)	ND (0.0063)	ND (0.0055)	ND (0.0078)	ND (0.0069)	ND (0.006)	ND (0.072) UJ	ND (0.0061)	ND (0.0061)	ND (0.067) UJ	ND (0.0044)	ND (0.069)	ND (0.0065)	ND (0.0052)	ND (0.0051)	ND (0.005)
Trichland (unananathana (CEC 11)	0.082	0.057	1.8 ^{ab}	7.9 ^{ab}	7.7 ^{ab}	12 ^{ab}	2.2 ^{ab}	0.28 ^{ab}	5.0 ^{ab}	0.21 ^{ab}	9.5 ^{ab}	5.9 ^{ab}	0.054	1.2 ^{ab}	1.7 ^{ab}	0.29 J ^{ab}	0.11 J ^{ab}	4.3 ^{ab}
Trichlorofluoromethane (CFC-11) Vinyl chloride	0.013	0.013	ND (0.0069)	ND (0.0063) ND (0.0063)	ND (0.0055) ND (0.0055)	ND (0.0078) ND (0.0078)	ND (0.0069) ND (0.0069)	ND (0.006) ND (0.006)	ND (0.072) ND (0.072)	ND (0.0061)	ND (0.0061)	ND (0.067)	ND (0.0044) 0.0079	ND (0.069)	ND (0.0065) ND (0.0065)	ND (0.0052) ND (0.0052)	ND (0.0051) ND (0.0051)	ND (0.005) ND (0.005)
vinyi chioride	0.013	0.013	ND (0.0069)	1412 (0.0003)	1412 (0.0000)	1412 (0.0076)	1412 (0.0009)	1412 (0.000)	1412 (0.072)	ND (0.0061)	ND (0.0061)	ND (0.067)	0.0079	ND (0.069)	1412 (0.0003)	1412 (0.0032)	1412 (0.0031)	1412 (0.003)

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SUMMARY OF DEEP SUBSURFACE SOIL VOC ANALYTICAL DATA - SWMU 5 RADIO MATERIALS CORPORATION ATTICA, INDIANA

Sample Location:			B-529	B-532	B-533	B-534	B-538	B-539	B-539	B-540	B-541	B-542	B-543	B-544	B-545	B-545	B-546	B-547
Sample ID:	IDEM	IDEM	S-100103-MG-354	S-080603-MG-011	S-081103-MG-037	S-080603-MG-013	S-100603-MG-362	S-100603-MG-364	S-100603-MG-365	S-092804-MG-161	S-092804-MG-159	S-092704-MG-155	S-092704-MG-153	S-091404-MG-118	S-091404-MG-115	S-091404-MG-116	S-091304-MG-111	S-091504-MG-124
Sample Date:	RISC IDCL	RISC RDCL	10/1/2003 52-54 ft BGS	8/6/2003 36-38 ft BGS	8/11/2003 38-40 ft BGS	8/6/2003 30-32 ft BGS	10/6/2003 50-52 ft BGS	10/6/2003 56-58 ft BGS	10/6/2003 56-58 ft BGS	9/28/2004 30-32 ft BGS	9/28/2004 36-38 ft BGS	9/27/2004 30-32 ft BGS	9/27/2004 38-40 ft BGS	9/14/2004 42-44 ft BGS	9/14/2004 46-48 ft BGS	9/14/2004 46-48 ft BGS	9/13/2004 44-46 ft BGS	9/15/2004 38-40 ft BGS
Sample Depth:	a	b	32-34 Ji BG3	30-38 Jt BGS	30-40 Jt BG3	30-32 Ji BG3	30-32 jt BG3	30-38 Jt BG3	Duplicate	30-32 Jt BG3	30-30 Jt BG3	30-32 Jt BG3	36-40 Ji BG3	42-44 Jt BG5	40-40 Ji BG3	Duplicate	44-40 Jt BG5	38-40 Jt BG3
Volatile Organic Compounds (mg/kg)																		
1,1,1,2-Tetrachloroethane	0.85	0.053	ND (0.074)	ND (0.0048)	ND (0.0049)	ND (0.0053)	ND (0.0072)	ND (0.071)	ND (0.068)	ND (0.0064)	ND (0.0054)	ND (0.0063)	ND (0.008)	ND (0.0058)	ND (0.0054)	ND (0.006)	ND (0.006)	ND (0.0057)
1,1,1-Trichloroethane	280	1.9	ND (0.074)	ND (0.0048)	ND (0.0049) UJ	ND (0.0053)	ND (0.0072)	ND (0.071)	ND (0.068)	ND (0.0064)	ND (0.0054)	ND (0.0063)	ND (0.008)	ND (0.0058)	ND (0.0054)	ND (0.006)	ND (0.006)	ND (0.0057)
1,1,2,2-Tetrachloroethane	0.11	0.007	ND (0.074)	ND (0.0048)	ND (0.0049)	ND (0.0053)	ND (0.0072)	ND (0.071)	ND (0.068)	ND (0.0064)	ND (0.0054)	ND (0.0063) UJ	ND (0.008) UJ	ND (0.0058)	ND (0.0054)	ND (0.006)	ND (0.006)	ND (0.0057)
1,1,2-Trichloroethane	0.3 58	0.03	ND (0.074)	ND (0.0048)	0.0059	0.0029	ND (0.0072)	ND (0.071)	ND (0.068)	ND (0.0064)	ND (0.0054)	ND (0.0063) UJ	ND (0.008) UJ	ND (0.0058)	ND (0.0054)	ND (0.006)	ND (0.006)	ND (0.0057)
1,1-Dichloroethane 1,1-Dichloroethene	42	5.6 0.058	ND (0.074) ND (0.074)	ND (0.0048) ND (0.0048)	ND (0.0049) 0.03	ND (0.0053) 0.044	ND (0.0072) ND (0.0072)	ND (0.071) ND (0.071)	ND (0.068) ND (0.068)	ND (0.0064) ND (0.0064)	ND (0.0054) ND (0.0054)	ND (0.0063) ND (0.0063)	ND (0.008) ND (0.008)	ND (0.0058) ND (0.0058)	ND (0.0054) ND (0.0054)	ND (0.006) ND (0.006)	ND (0.006) ND (0.006)	ND (0.0057) ND (0.0057)
1,1-Dichloropropene	*	*	ND (0.074)	ND (0.0048)	ND (0.0049)	ND (0.0053)	ND (0.0072)	ND (0.071) ND (0.071) UJ	ND (0.068) UJ	ND (0.0064)	ND (0.0054)	ND (0.0063)	ND (0.008)	ND (0.0058)	ND (0.0054)	ND (0.006)	ND (0.006)	ND (0.0057)
1,2,3-Trichlorobenzene	*	*	ND (0.30)	ND (0.019) UJ	ND (0.02)	ND (0.021) UJ	ND (0.029)	ND (0.29) UJ	ND (0.28) UJ	ND (0.0064)	ND (0.0054)	ND (0.0063)	ND (0.008)	ND (0.0058)	ND (0.0054)	ND (0.006)	ND (0.006)	ND (0.0057)
1,2,3-Trichloropropane	*	*	ND (0.074)	ND (0.0048)	ND (0.0049)	ND (0.0053)	ND (0.0072)	ND (0.071)	ND (0.068)	ND (0.0064)	ND (0.0054)	ND (0.0063)	ND (0.008)	ND (0.0058)	ND (0.0054)	ND (0.006)	ND (0.006)	ND (0.0057)
1,2,4-Trichlorobenzene	77	5.3	ND (0.30)	ND (0.019) UJ	ND (0.02)	ND (0.021) UJ	ND (0.029)	ND (0.29)	ND (0.28)	ND (0.026)	ND (0.022)	ND (0.026)	ND (0.032)	ND (0.024)	ND (0.022)	ND (0.024)	ND (0.024)	ND (0.023)
1,2,4-Trimethylbenzene 1,2-Dibromo-3-chloropropane (DBCP)	170	2.5	ND (0.30) ND (0.30)	ND (0.019) ND (0.019) UJ	ND (0.02) ND (0.02) UJ	ND (0.021) ND (0.021) UJ	ND (0.029) ND (0.029)	ND (0.29) UJ ND (0.29) UJ	ND (0.28) UJ ND (0.28) UJ	ND (0.026) ND (0.026)	ND (0.022) ND (0.022)	ND (0.026) ND (0.026)	ND (0.032) ND (0.032)	ND (0.024) ND (0.024)	ND (0.022) ND (0.022)	ND (0.024) ND (0.024)	ND (0.024) ND (0.024)	ND (0.023) ND (0.023)
1,2-Dibromoethane (Ethylene Dibromide)	*	*	ND (0.30)	ND (0.019) ND (0.019)	ND (0.02)	ND (0.021) O	ND (0.029)	ND (0.29)	ND (0.28)	ND (0.026)	ND (0.0054)	ND (0.0063)	ND (0.008)	ND (0.0058)	ND (0.0054)	ND (0.004)	ND (0.006)	ND (0.025)
1,2-Dichlorobenzene	220	17	ND (0.074)	ND (0.0048)	ND (0.0049)	ND (0.0053)	ND (0.0072)	ND (0.071)	ND (0.068)	ND (0.0064)	ND (0.0054)	ND (0.0063)	ND (0.008)	ND (0.0058)	ND (0.0054)	ND (0.006)	ND (0.006)	ND (0.0057)
1,2-Dichloroethane	0.15	0.024	ND (0.074)	ND (0.0048)	0.003 J	ND (0.0053)	ND (0.0072)	ND (0.071)	ND (0.068)	ND (0.0064)	ND (0.0054)	ND (0.0063)	ND (0.008)	ND (0.0058)	ND (0.0054)	ND (0.006)	ND (0.006)	ND (0.0057)
1,2-Dichloropropane	0.25	0.03	ND (0.074)	ND (0.0048)	ND (0.0049)	ND (0.0053)	ND (0.0072)	ND (0.071)	ND (0.068)	ND (0.0064)	ND (0.0054)	ND (0.0063)	ND (0.008)	ND (0.0058)	ND (0.0054)	ND (0.006)	ND (0.006)	ND (0.0057)
1,3,5-Trimethylbenzene	68 2.7	0.61	ND (0.30)	ND (0.019)	ND (0.02)	ND (0.021)	ND (0.029)	ND (0.29) UJ	ND (0.28) UJ	ND (0.0064)	ND (0.0054)	ND (0.0063)	ND (0.008)	ND (0.0058)	ND (0.0054)	ND (0.006)	ND (0.006)	ND (0.0057)
1,3-Dichlorobenzene 1,3-Dichloropropane	2.7 *	0.2	ND (0.074) ND (0.074)	ND (0.0048) ND (0.0048)	ND (0.0049) ND (0.0049)	ND (0.0053) ND (0.0053)	ND (0.0072) ND (0.0072)	ND (0.071) ND (0.071)	ND (0.068) ND (0.068)	ND (0.0064) ND (0.0064)	ND (0.0054) ND (0.0054)	ND (0.0063) ND (0.0063)	ND (0.008) ND (0.008)	ND (0.0058) ND (0.0058)	ND (0.0054) ND (0.0054)	ND (0.006) ND (0.006)	ND (0.006) ND (0.006)	ND (0.0057) ND (0.0057)
1,4-Dichlorobenzene	3.4	2.2	ND (0.074)	ND (0.0048)	ND (0.0049)	ND (0.0053)	ND (0.0072)	ND (0.071)	ND (0.068)	ND (0.0064)	ND (0.0054)	ND (0.0063)	ND (0.008)	ND (0.0058)	ND (0.0054)	ND (0.006)	ND (0.006)	ND (0.0057)
2,2-Dichloropropane	*	*	ND (0.074)	ND (0.0048)	ND (0.0049)	ND (0.0053)	ND (0.0072) UJ	ND (0.071)	ND (0.068)	ND (0.0064)	ND (0.0054)	ND (0.0063)	ND (0.008)	ND (0.0058)	ND (0.0054)	ND (0.006)	ND (0.006)	ND (0.0057)
2-Butanone (Methyl Ethyl Ketone)	250	35	ND (3.0)	ND (0.019) UJ	ND (0.02) UJ	ND (0.021) UJ	ND (0.029)	ND (2.9) UJ	ND (2.8) UJ	ND (0.026) UJ	ND (0.022) UJ	ND (0.026) UJ	ND (0.032) UJ	ND (0.024) UJ	ND (0.022) UJ	ND (0.024) UJ	ND (0.024) UJ	ND (0.023) UJ
2-Chlorotoluene	*	*	ND (0.30)	ND (0.019)	ND (0.02)	ND (0.021)	ND (0.029)	ND (0.29)	ND (0.28)	ND (0.026)	ND (0.022)	ND (0.026)	ND (0.032)	ND (0.024)	ND (0.022)	ND (0.024)	ND (0.024)	ND (0.023)
2-Hexanone 2-Phenylbutane (sec-Butylbenzene)	*	*	ND (3.0) ND (0.30)	ND (0.019) UJ ND (0.019)	ND (0.02) UJ ND (0.02)	ND (0.021) UJ ND (0.021)	ND (0.029) ND (0.029)	ND (2.9) UJ ND (0.29) UJ	ND (2.8) UJ ND (0.28) UJ	ND (0.026) ND (0.026)	ND (0.022) ND (0.022)	ND (0.026) ND (0.026)	ND (0.032) ND (0.032)	ND (0.024) ND (0.024)	ND (0.022) ND (0.022)	ND (0.024) ND (0.024)	ND (0.024) ND (0.024)	ND (0.023) ND (0.023)
4-Chlorotoluene	*	*	ND (0.30)	ND (0.019) ND (0.019)	ND (0.02)	ND (0.021) ND (0.021)	ND (0.029)	ND (0.29)	ND (0.28)	ND (0.026)	ND (0.022) ND (0.022)	ND (0.026)	ND (0.032)	ND (0.024)	ND (0.022) ND (0.022)	ND (0.024) ND (0.024)	ND (0.024)	ND (0.023)
4-Methyl-2-Pentanone			112 (0.50)	112 (0.013)	112 (0.02)	112 (0.021)	112 (0.025)	112 (0.25)	112 (0.20)	112 (0.020)	112 (0.022)	112 (0.020)	112 (0.002)	112 (0.021)	112 (0.022)	112 (0.021)	112 (0.021)	112 (0.020)
(Methyl Isobutyl Ketone)	75	20	ND (3.0)	ND (0.019)	ND (0.02)	ND (0.021)	ND (0.029)	ND (2.9) UJ	ND (2.8) UJ	ND (0.026)	ND (0.022)	ND (0.026)	ND (0.032)	ND (0.024)	ND (0.022)	ND (0.024)	ND (0.024)	ND (0.023)
Acetone	370	3.8	ND (3.0)	ND (0.048)	ND (0.049) UJ	ND (0.053)	ND (0.072)	ND (2.9)	ND (2.8)	ND (0.026) UJ	ND (0.022) UJ	ND (0.026) UJ	ND (0.032) UJ	ND (0.024) UJ	ND (0.022) UJ	ND (0.024) UJ	ND (0.024) UJ	ND (0.023) UJ
Benzene	0.35	0.034	ND (0.074) UJ	ND (0.0048)	0.0017 J	0.001	ND (0.0072) UJ	ND (0.071)	ND (0.068)	ND (0.0064)	ND (0.0054)	ND (0.0063)	ND (0.008)	ND (0.0058)	ND (0.0054)	ND (0.006)	ND (0.006)	ND (0.0057)
Bromobenzene Bromodichloromethane	0.51	0.51	ND (0.30) UJ ND (0.074)	ND (0.0048) ND (0.0048)	ND (0.0049) ND (0.0049)	ND (0.0053) ND (0.0053)	ND (0.0072) UJ ND (0.0072)	ND (0.29) ND (0.071)	ND (0.28) ND (0.068)	ND (0.0064) ND (0.0064)	ND (0.0054) ND (0.0054)	ND (0.0063) ND (0.0063)	ND (0.008) ND (0.008)	ND (0.0058) ND (0.0058)	ND (0.0054) ND (0.0054)	ND (0.006) ND (0.006)	ND (0.006) ND (0.006)	ND (0.0057) ND (0.0057)
Bromoform	2.7	0.6	ND (0.074) ND (0.074)	ND (0.0048)	ND (0.0049)	ND (0.0053)	ND (0.0072)	ND (0.071) ND (0.071)	ND (0.068)	ND (0.0064)	ND (0.0054)	ND (0.0063)	ND (0.008)	ND (0.0058)	ND (0.0054)	ND (0.006)	ND (0.006)	ND (0.0057)
Bromomethane (Methyl Bromide)	0.7	0.052	ND (0.074) UJ	ND (0.0048)	ND (0.0049) UJ	ND (0.0053)	ND (0.0072) UJ	ND (0.071)	ND (0.068)	ND (0.0064) UJ	ND (0.0054) UJ	ND (0.0063) UJ	ND (0.008) UJ	ND (0.0058)	ND (0.0054)	ND (0.006)	ND (0.006)	ND (0.0057)
Carbon disulfide	82	10	ND (0.074)	ND (0.0048)	ND (0.0049)	ND (0.0053)	ND (0.0072)	ND (0.071)	ND (0.068)	ND (0.0064)	ND (0.0054)	ND (0.0063)	ND (0.008)	ND (0.0058)	ND (0.0054)	ND (0.006)	ND (0.006)	ND (0.0057)
Carbon tetrachloride	0.29	0.066	ND (0.074)	ND (0.0048)	ND (0.0049)	ND (0.0053)	ND (0.0072) UJ	ND (0.071)	ND (0.068)	ND (0.0064)	ND (0.0054)	ND (0.0063)	ND (0.008)	ND (0.0058)	ND (0.0054)	ND (0.006)	ND (0.006)	ND (0.0057)
Chlorobenzene	27	1.3	ND (0.074)	ND (0.0048)	ND (0.0049)	ND (0.0053)	ND (0.0072)	ND (0.071)	ND (0.068)	ND (0.0064)	ND (0.0054)	ND (0.0063)	ND (0.008)	ND (0.0058)	ND (0.0054)	ND (0.006)	ND (0.006)	ND (0.0057)
Chlorobromomethane Chloroethane	10	0.65	ND (0.074) ND (0.074)	ND (0.0048) ND (0.0048)	ND (0.0049) ND (0.0049)	ND (0.0053) ND (0.0053)	ND (0.0072) UJ ND (0.0072) UJ	ND (0.071) ND (0.071)	ND (0.068) ND (0.068)	ND (0.0064) ND (0.0064)	ND (0.0054) ND (0.0054)	ND (0.0063) ND (0.0063) UJ	ND (0.008) ND (0.008) UJ	ND (0.0058) ND (0.0058)	ND (0.0054) ND (0.0054)	ND (0.006) ND (0.006)	ND (0.006) ND (0.006)	ND (0.0057) ND (0.0057)
Chloroform (Trichloromethane)	1.2	0.47	ND (0.074)	ND (0.0048)	ND (0.0049)	ND (0.0053)	ND (0.0072)	0.014 [0.015 J	0.00081 J	0.0023 J	ND (0.0063)	ND (0.008)	ND (0.0058)	ND (0.0054)	ND (0.006)	ND (0.006)	ND (0.0057)
Chloromethane (Methyl Chloride)	*	*	ND (0.074)	ND (0.0048)	ND (0.0049)	ND (0.0053)	ND (0.0072) UJ	ND (0.071)	ND (0.068)	ND (0.0064)	ND (0.0054)	ND (0.0063)	ND (0.008)	ND (0.0058)	ND (0.0054)	ND (0.006)	ND (0.006)	ND (0.0057)
cis-1,2-Dichloroethene	5.8	0.4	0.021 J	0.26	21 ^{ab}	11 ^{ab}	0.0066 J	ND (0.071)	ND (0.068)	0.0018 J	0.029	0.0098	ND (0.008)	0.029	0.004 J	0.0071	ND (0.006)	0.0083
cis-1,3-Dichloropropene	*	*	ND (0.074)	ND (0.0048)	ND (0.0049)	ND (0.0053)	ND (0.0072)	ND (0.071) UJ	ND (0.068) UJ	ND (0.0064)	ND (0.0054)	ND (0.0063)	ND (0.008)	ND (0.0058)	ND (0.0054)	ND (0.006)	ND (0.006)	ND (0.0057)
Cymene (p-Isopropyltoluene)	*	*	ND (0.30)	ND (0.019)	ND (0.02)	ND (0.021)	ND (0.029)	ND (0.29) UJ	ND (0.28) UJ	ND (0.026)	ND (0.022)	ND (0.026)	ND (0.032)	ND (0.024)	ND (0.022)	ND (0.024)	ND (0.024)	ND (0.023)
Dibromochloromethane Dibromomethane	*	*	ND (0.074) ND (0.074)	ND (0.0048) ND (0.0048)	ND (0.0049) ND (0.0049)	ND (0.0053) ND (0.0053)	ND (0.0072) ND (0.0072)	ND (0.071) ND (0.071)	ND (0.068) ND (0.068)	ND (0.0064) ND (0.0064)	ND (0.0054) ND (0.0054)	ND (0.0063) ND (0.0063)	ND (0.008) ND (0.008)	ND (0.0058) ND (0.0058)	ND (0.0054) ND (0.0054)	ND (0.006) ND (0.006)	ND (0.006) ND (0.006)	ND (0.0057) ND (0.0057)
Dichlorodifluoromethane (CFC-12)	*	*	ND (0.074) ND (0.074)	ND (0.0048)	ND (0.0049) ND (0.0049)	ND (0.0053)	ND (0.0072)	ND (0.071)	ND (0.068)	ND (0.0064)	ND (0.0054)	ND (0.0063)	ND (0.008)	ND (0.0058)	ND (0.0054)	ND (0.006)	ND (0.006)	ND (0.0057)
Ethylbenzene	160	13	ND (0.074)	ND (0.0048)	ND (0.0049)	ND (0.0053)	ND (0.0072)	ND (0.071) UJ	ND (0.068) UJ	ND (0.0064)	ND (0.0054)	ND (0.0063)	ND (0.008)	ND (0.0058)	ND (0.0054)	ND (0.006)	ND (0.006)	ND (0.0057)
Hexachlorobutadiene	44	16	ND (0.30)	ND (0.019)	ND (0.02)	ND (0.021)	ND (0.029)	ND (0.29)	ND (0.28)	ND (0.026)	ND (0.022)	ND (0.026)	ND (0.032)	ND (0.024)	ND (0.022)	ND (0.024)	ND (0.024)	ND (0.023)
Isopropylbenzene	*	*	ND (0.30)	ND (0.019)	ND (0.02)	ND (0.021)	ND (0.029)	ND (0.29) UJ	ND (0.28) UJ	ND (0.0064)	ND (0.0054)	ND (0.0063)	ND (0.008)	ND (0.0058)	ND (0.0054)	ND (0.006)	ND (0.006)	ND (0.0057)
m&p-Xylene	*		ND (0.074) UJ	ND (0.0048)	ND (0.0049)	ND (0.0053)	ND (0.0072) UJ	ND (0.071) UJ	ND (0.068) UJ	ND (0.0064)	ND (0.0054)	ND (0.0063)	ND (0.008)	ND (0.0058)	ND (0.0054)	ND (0.006)	ND (0.006)	ND (0.0057)
Methylene chloride Naphthalene	1.8 170	0.023	ND (0.30) ND (0.30)	ND (0.0095) ND (0.019) UI	ND (0.0098) ND (0.02) UJ	ND (0.011)	0.0036 J ND (0.029)	ND (0.29) ND (0.29) UJ	ND (0.28)	0.0022 J ND (0.0064)	0.0018 J ND (0.0054)	ND (0.013) ND (0.0063)	ND (0.016) ND (0.008)	0.0017 J ND (0.0058)	0.0017 J ND (0.0054)	0.002 J ND (0.006)	ND (0.012) ND (0.006)	0.0017 J ND (0.0057)
n-Butylbenzene	*	*	ND (0.30)	ND (0.019) UJ	ND (0.02) Uj ND (0.02)	ND (0.021) UJ ND (0.021) UJ	ND (0.029)	ND (0.29) UJ	ND (0.28) UJ ND (0.28) UJ	ND (0.004) ND (0.026)	ND (0.0034)	ND (0.0063)	ND (0.008) ND (0.032)	ND (0.0038)	ND (0.0034)	ND (0.006) ND (0.024)	ND (0.006)	ND (0.0037)
n-Propylbenzene	*	*	ND (0.30) UJ	ND (0.019)	ND (0.02)	ND (0.021)	ND (0.029) UJ	ND (0.29) UJ	ND (0.28) UJ	ND (0.026)	ND (0.022)	ND (0.026)	ND (0.032)	ND (0.024)	ND (0.022)	ND (0.024)	ND (0.024)	ND (0.023)
o-Xylene	*	*	ND (0.074)	ND (0.0048)	ND (0.0049)	ND (0.0053)	ND (0.0072)	ND (0.071) UJ	ND (0.068) UJ	ND (0.0064)	ND (0.0054)	ND (0.0063)	ND (0.008)	ND (0.0058)	ND (0.0054)	ND (0.006)	ND (0.006)	ND (0.0057)
Styrene	550	3.5	ND (0.074)	ND (0.0048)	ND (0.0049)	ND (0.0053)	ND (0.0072)	ND (0.071) UJ	ND (0.068) UJ	ND (0.0064)	ND (0.0054)	ND (0.0063)	ND (0.008)	ND (0.0058)	ND (0.0054)	ND (0.006)	ND (0.006)	ND (0.0057)
tert-Butylbenzene	*	*	ND (0.30)	ND (0.019)	ND (0.02)	ND (0.021)	ND (0.029)	ND (0.29) UJ	ND (0.28) UJ	ND (0.026)	ND (0.022)	ND (0.026)	ND (0.032)	ND (0.024)	ND (0.022)	ND (0.024)	ND (0.024)	ND (0.023)
Tetrachloroethene	0.64	0.058	0.63 ^b	ND (0.0048)	ND (0.0049)	0.0012	0.13 ^b	0.80 ^{ab}	0.66 ^{ab}	0.043	0.15 ^b	0.05	0.0035 J	0.043	0.048	0.067 ^b	0.00052 J	0.012
Toluene trans-1,2-Dichloroethene	240 14	12 0.68	ND (0.074) ND (0.074)	ND (0.0048) 0.0046	0.034 0.076	ND (0.0053) 0.046	ND (0.0072) ND (0.0072)	0.020 J ND (0.071)	ND (0.068) ND (0.068)	ND (0.0064) ND (0.0064)	ND (0.0054) ND (0.0054)	ND (0.0063) ND (0.0063)	ND (0.008) ND (0.008)	ND (0.0058) ND (0.0058)	ND (0.0054) ND (0.0054)	ND (0.006) ND (0.006)	ND (0.006) ND (0.006)	ND (0.0057) ND (0.0057)
trans-1,2-Dichloropenee	*	*	ND (0.074) ND (0.074)	ND (0.0048)	ND (0.0049)	ND (0.0053)	ND (0.0072) ND (0.0072)	ND (0.071) ND (0.071) UJ	ND (0.068) ND (0.068) UJ	ND (0.0064) ND (0.0064)	ND (0.0054)	ND (0.0063)	ND (0.008)	ND (0.0058) ND (0.0058)	ND (0.0054)	ND (0.006) ND (0.006)	ND (0.006) ND (0.006)	ND (0.0057) ND (0.0057)
Trichloroethene	0.082	0.057	2.2 ^{ab}	ND (0.0048)	1.0 ^{ab}	2.4 ^{ab}	0.38 ^{ab}	3.1 ^{ab}	3.0 ^{ab}	0.15 ^{ab}	4.3 ^{ab}	1.5 ^{ab}	0.0066 J	0.28 ^{ab}	0.14 ^{ab}	0.22 ^{ab}	0.0062	0.12 ^{ab}
Trichlorofluoromethane (CFC-11)	*	*	ND (0.074)	ND (0.0048)	ND (0.0049)	ND (0.0053)	ND (0.0072) UJ	ND (0.071)	ND (0.068)	ND (0.0064)	ND (0.0054)	ND (0.0063) UJ	ND (0.008) UJ	ND (0.0058)	ND (0.0054)	ND (0.006)	ND (0.006)	ND (0.0057)
Vinyl chloride	0.013	0.013	ND (0.074)	0.026 ^{ab}	0.14 ^{ab}	0.0012	ND (0.0072)	ND (0.071)	ND (0.068)	ND (0.0064)	ND (0.0054)	ND (0.0063)	ND (0.008)	ND (0.0058)	ND (0.0054)	ND (0.006)	ND (0.006)	ND (0.0057)
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SUMMARY OF DEEP SUBSURFACE SOIL VOC ANALYTICAL DATA - SWMU 5 RADIO MATERIALS CORPORATION ATTICA, INDIANA

Sample Location:			B-548	B-548	B-549	B-550	B-551	B-551	B-552	B-554	B-555	B-556	B-557	B-558	B-559	B-560	B-561	B-562
Sample ID:	IDEM	IDEM	S-091504-MG-120	S-091504-MG-121	S-091304-MG-109	S-091604-MG-129	S-091604-MG-126	S-091604-MG-127	S-092104-MG-140	S-091704-MG-133	S-092004-MG-135	S-092104-MG-138	S-092404-MG-151	S-092304-MG-149	S-091404-MG-113	S-092204-MG-142	S-092204-MG-144	S-092304-MG-147
Sample Date:	RISC	RISC RDCL	9/15/2004	9/15/2004	9/13/2004 32-34 ft BGS	9/16/2004	9/16/2004	9/16/2004	9/21/2004	9/17/2004	9/20/2004	9/21/2004	9/24/2004	9/23/2004	9/14/2004	9/22/2004	9/22/2004	9/23/2004
Sample Depth:	IDCL a	b	36-38 ft BGS	48-50 ft BGS	32-34 ji BG3	52-54 ft BGS	44-46 ft BGS	44-46 ft BGS Duplicate	34-36 ft BGS	52-54 ft BGS	50-52 ft BGS	42-44 ft BGS	34-36 ft BGS	46-48 ft BGS	30-32 ft BGS	40-42 ft BGS	34-36 ft BGS	46-48 ft BGS
Volatile Organic Compounds (mg/kg)																		
1,1,1,2-Tetrachloroethane	0.85	0.053	ND (0.0066)	ND (0.0049)	ND (0.0057)	ND (0.0061)	ND (0.006)	ND (0.007)	ND (0.0056)	ND (0.0055)	ND (0.0071)	ND (0.0064)	ND (0.0063)	ND (0.0062)	ND (0.0056)	ND (0.0055)	ND (0.0064)	ND (0.0088)
1,1,1-Trichloroethane	280	1.9	ND (0.0066)	ND (0.0049)	ND (0.0057)	ND (0.0061)	ND (0.006)	ND (0.007)	ND (0.0056)	ND (0.0055)	ND (0.0071)	ND (0.0064)	ND (0.0063)	ND (0.0062)	ND (0.0056)	ND (0.0055)	ND (0.0064)	ND (0.0088)
1,1,2,2-Tetrachloroethane	0.11	0.007	ND (0.0066)	ND (0.0049)	ND (0.0057)	ND (0.0061)	ND (0.006)	ND (0.007)	ND (0.0056)	ND (0.0055)	ND (0.0071)	ND (0.0064)	ND (0.0063)	ND (0.0062)	ND (0.0056)	ND (0.0055)	ND (0.0064)	ND (0.0088)
1,1,2-Trichloroethane	0.3	0.03	ND (0.0066)	ND (0.0049)	ND (0.0057)	ND (0.0061)	ND (0.006)	ND (0.007)	ND (0.0056)	ND (0.0055)	ND (0.0071)	ND (0.0064)	ND (0.0063) UJ	ND (0.0062) UJ	ND (0.0056)	ND (0.0055)	ND (0.0064)	ND (0.0088)
1,1-Dichloroethane	58	5.6	ND (0.0066)	ND (0.0049)	ND (0.0057)	ND (0.0061)	ND (0.006)	ND (0.007)	ND (0.0056)	ND (0.0055)	ND (0.0071)	ND (0.0064)	ND (0.0063)	ND (0.0062)	ND (0.0056)	ND (0.0055)	ND (0.0064)	ND (0.0088)
1,1-Dichloroethene 1,1-Dichloropropene	42 *	0.058	ND (0.0066) ND (0.0066)	ND (0.0049) ND (0.0049)	ND (0.0057) ND (0.0057)	ND (0.0061) ND (0.0061)	ND (0.006) ND (0.006)	ND (0.007) ND (0.007)	ND (0.0056) ND (0.0056)	ND (0.0055) ND (0.0055)	ND (0.0071) ND (0.0071)	ND (0.0064) ND (0.0064)	ND (0.0063) ND (0.0063)	ND (0.0062) ND (0.0062)	ND (0.0056) ND (0.0056)	ND (0.0055) ND (0.0055)	ND (0.0064) ND (0.0064)	ND (0.0088) ND (0.0088)
1,2.3-Trichlorobenzene	*	*	ND (0.0066)	ND (0.0049)	ND (0.0057)	ND (0.0061)	ND (0.006)	ND (0.007)	ND (0.0056)	ND (0.0055)	ND (0.0071)	ND (0.0064)	ND (0.0063)	ND (0.0062)	ND (0.0056)	ND (0.0055)	ND (0.0064)	ND (0.0088)
1,2,3-Trichloropropane	*	*	ND (0.0066)	ND (0.0049)	ND (0.0057)	ND (0.0061)	ND (0.006)	ND (0.007)	ND (0.0056)	ND (0.0055)	ND (0.0071)	ND (0.0064)	ND (0.0063)	ND (0.0062)	ND (0.0056)	ND (0.0055)	ND (0.0064)	ND (0.0088)
1,2,4-Trichlorobenzene	77	5.3	ND (0.027)	ND (0.02)	ND (0.023)	ND (0.025)	ND (0.024)	ND (0.028)	ND (0.023)	ND (0.022)	ND (0.029)	ND (0.026)	ND (0.025)	ND (0.025)	ND (0.023)	ND (0.022)	ND (0.026)	ND (0.036)
1,2,4-Trimethylbenzene	170	2.5	ND (0.027)	ND (0.02)	ND (0.023)	ND (0.025)	ND (0.024)	ND (0.028)	ND (0.023)	ND (0.022)	ND (0.029)	ND (0.026)	ND (0.025)	ND (0.025)	ND (0.023)	ND (0.022)	ND (0.026)	ND (0.036)
1,2-Dibromo-3-chloropropane (DBCP)	*	*	ND (0.027)	ND (0.02)	ND (0.023)	ND (0.025)	ND (0.024)	ND (0.028)	ND (0.023)	ND (0.022)	ND (0.029)	ND (0.026)	ND (0.025) ND (0.0063)	ND (0.025) ND (0.0062)	ND (0.023)	ND (0.022) ND (0.0055)	ND (0.026) ND (0.0064)	ND (0.036)
1,2-Dibromoethane (Ethylene Dibromide) 1,2-Dichlorobenzene	220	17	ND (0.0066) ND (0.0066)	ND (0.0049) ND (0.0049)	ND (0.0057) ND (0.0057)	ND (0.0061) ND (0.0061)	ND (0.006) ND (0.006)	ND (0.007) ND (0.007)	ND (0.0056) ND (0.0056)	ND (0.0055) ND (0.0055)	ND (0.0071) ND (0.0071)	ND (0.0064) ND (0.0064)	ND (0.0063)	ND (0.0062) ND (0.0062)	ND (0.0056) ND (0.0056)	ND (0.0055) ND (0.0055)	ND (0.0064) ND (0.0064)	ND (0.0088) ND (0.0088)
1,2-Dichloroethane	0.15	0.024	ND (0.0066)	ND (0.0049)	ND (0.0057)	ND (0.0061)	ND (0.006)	ND (0.007)	ND (0.0056)	ND (0.0055)	ND (0.0071)	ND (0.0064)	ND (0.0063)	ND (0.0062)	ND (0.0056)	ND (0.0055)	ND (0.0064)	ND (0.0088)
1,2-Dichloropropane	0.25	0.03	ND (0.0066)	ND (0.0049)	ND (0.0057)	ND (0.0061)	ND (0.006)	ND (0.007)	ND (0.0056)	ND (0.0055)	ND (0.0071)	ND (0.0064)	ND (0.0063)	ND (0.0062)	ND (0.0056)	ND (0.0055)	ND (0.0064)	ND (0.0088)
1,3,5-Trimethylbenzene	68	0.61	ND (0.0066)	ND (0.0049)	ND (0.0057)	ND (0.0061)	ND (0.006)	ND (0.007)	ND (0.0056)	ND (0.0055)	ND (0.0071)	ND (0.0064)	ND (0.0063)	ND (0.0062)	ND (0.0056)	ND (0.0055)	ND (0.0064)	ND (0.0088)
1,3-Dichlorobenzene	2.7	0.2	ND (0.0066)	ND (0.0049)	ND (0.0057)	ND (0.0061)	ND (0.006)	ND (0.007)	ND (0.0056)	ND (0.0055)	ND (0.0071)	ND (0.0064)	ND (0.0063)	ND (0.0062)	ND (0.0056)	ND (0.0055)	ND (0.0064)	ND (0.0088)
1,3-Dichloropropane	*	*	ND (0.0066)	ND (0.0049)	ND (0.0057)	ND (0.0061)	ND (0.006)	ND (0.007)	ND (0.0056)	ND (0.0055)	ND (0.0071)	ND (0.0064)	ND (0.0063)	ND (0.0062)	ND (0.0056)	ND (0.0055)	ND (0.0064)	ND (0.0088)
1,4-Dichlorobenzene 2,2-Dichloropropane	3.4	2.2	ND (0.0066) ND (0.0066)	ND (0.0049) ND (0.0049)	ND (0.0057) ND (0.0057)	ND (0.0061) ND (0.0061)	ND (0.006) ND (0.006)	ND (0.007) ND (0.007)	ND (0.0056) ND (0.0056)	ND (0.0055) ND (0.0055)	ND (0.0071) ND (0.0071)	ND (0.0064) ND (0.0064)	ND (0.0063) ND (0.0063)	ND (0.0062) ND (0.0062)	ND (0.0056) ND (0.0056)	ND (0.0055) ND (0.0055)	ND (0.0064) ND (0.0064)	ND (0.0088) ND (0.0088)
2-Butanone (Methyl Ethyl Ketone)	250	35	ND (0.027) UJ	ND (0.004)	ND (0.023) UJ	ND (0.025) UJ	ND (0.024) UJ	ND (0.028) UJ	ND (0.023) UI	ND (0.022) UJ	ND (0.029) UJ	ND (0.026) UJ	ND (0.025) UJ	ND (0.025) UJ	ND (0.023) UI	ND (0.022) UJ	ND (0.026) UI	ND (0.036) UI
2-Chlorotoluene	*	*	ND (0.027)	ND (0.02)	ND (0.023)	ND (0.025)	ND (0.024)	ND (0.028)	ND (0.023)	ND (0.022)	ND (0.029)	ND (0.026)	ND (0.025)	ND (0.025)	ND (0.023)	ND (0.022)	ND (0.026)	ND (0.036)
2-Hexanone	*	*	ND (0.027)	ND (0.02)	ND (0.023)	ND (0.025)	ND (0.024)	ND (0.028)	ND (0.023)	ND (0.022)	ND (0.029)	ND (0.026)	ND (0.025)	ND (0.025)	ND (0.023)	ND (0.022)	ND (0.026)	ND (0.036)
2-Phenylbutane (sec-Butylbenzene)	*	*	ND (0.027)	ND (0.02)	ND (0.023)	ND (0.025)	ND (0.024)	ND (0.028)	ND (0.023)	ND (0.022)	ND (0.029)	ND (0.026)	ND (0.025)	ND (0.025)	ND (0.023)	ND (0.022)	ND (0.026)	ND (0.036)
4-Chlorotoluene	*	*	ND (0.027)	ND (0.02)	ND (0.023)	ND (0.025)	ND (0.024)	ND (0.028)	ND (0.023)	ND (0.022)	ND (0.029)	ND (0.026)	ND (0.025)	ND (0.025)	ND (0.023)	ND (0.022)	ND (0.026)	ND (0.036)
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	75	20	ND (0.027)	ND (0.02)	ND (0.023)	ND (0.025)	ND (0.024)	ND (0.028)	ND (0.023)	ND (0.022)	ND (0.029)	ND (0.026)	ND (0.025)	ND (0.025)	ND (0.023)	ND (0.022)	ND (0.026)	ND (0.036)
Acetone	370	3.8	ND (0.027) ND (0.027) UJ	ND (0.02)	ND (0.023) ND (0.023) UJ	ND (0.025) ND (0.025) UJ	ND (0.024) ND (0.024) UJ	ND (0.028) UJ	ND (0.023) UJ	ND (0.022) ND (0.022) UJ	ND (0.029) ND (0.029) UJ	ND (0.026) ND (0.026) UJ	ND (0.025) UJ	ND (0.025) ND (0.025) UJ	ND (0.023) ND (0.023) UJ	ND (0.022) ND (0.022) UJ	ND (0.026) ND (0.026) UJ	ND (0.036) UJ
Benzene	0.35	0.034	ND (0.0066)	ND (0.0049)	ND (0.0057)	ND (0.0061)	ND (0.006)	ND (0.007)	ND (0.0056)	ND (0.0055)	ND (0.0071)	ND (0.0064)	ND (0.0063)	ND (0.0062)	ND (0.0056)	ND (0.0055)	ND (0.0064)	ND (0.0088)
Bromobenzene	*	*	ND (0.0066)	ND (0.0049)	ND (0.0057)	ND (0.0061)	ND (0.006)	ND (0.007)	ND (0.0056)	ND (0.0055)	ND (0.0071)	ND (0.0064)	ND (0.0063)	ND (0.0062)	ND (0.0056)	ND (0.0055)	ND (0.0064)	ND (0.0088)
Bromodichloromethane	0.51	0.51	ND (0.0066)	ND (0.0049)	ND (0.0057)	ND (0.0061)	ND (0.006)	ND (0.007)	ND (0.0056)	ND (0.0055)	ND (0.0071)	ND (0.0064)	ND (0.0063)	ND (0.0062)	ND (0.0056)	ND (0.0055)	ND (0.0064)	ND (0.0088)
Bromoform	2.7	0.6	ND (0.0066)	ND (0.0049)	ND (0.0057)	ND (0.0061)	ND (0.006)	ND (0.007)	ND (0.0056)	ND (0.0055)	ND (0.0071)	ND (0.0064)	ND (0.0063)	ND (0.0062)	ND (0.0056)	ND (0.0055)	ND (0.0064)	ND (0.0088)
Bromomethane (Methyl Bromide) Carbon disulfide	0.7 82	0.052 10	ND (0.0066) ND (0.0066)	ND (0.0049) ND (0.0049)	ND (0.0057) ND (0.0057)	ND (0.0061) ND (0.0061)	ND (0.006) ND (0.006)	ND (0.007) ND (0.007)	ND (0.0056) ND (0.0056)	ND (0.0055) ND (0.0055)	ND (0.0071) ND (0.0071)	ND (0.0064) ND (0.0064)	ND (0.0063) UJ ND (0.0063)	ND (0.0062) UJ ND (0.0062)	ND (0.0056) ND (0.0056)	ND (0.0055) ND (0.0055)	ND (0.0064) ND (0.0064)	ND (0.0088) UJ ND (0.0088)
Carbon tetrachloride	0.29	0.066	ND (0.0066)	ND (0.0049)	ND (0.0057)	ND (0.0061)	ND (0.006)	ND (0.007)	ND (0.0056)	ND (0.0055)	ND (0.0071) ND (0.0071)	ND (0.0064)	ND (0.0063)	ND (0.0062)	ND (0.0056)	ND (0.0055)	ND (0.0064)	ND (0.0088)
Chlorobenzene	27	1.3	ND (0.0066)	ND (0.0049)	ND (0.0057)	ND (0.0061)	ND (0.006)	ND (0.007)	ND (0.0056)	ND (0.0055)	ND (0.0071)	ND (0.0064)	ND (0.0063)	ND (0.0062)	ND (0.0056)	ND (0.0055)	ND (0.0064)	ND (0.0088)
Chlorobromomethane	*	*	ND (0.0066)	ND (0.0049)	ND (0.0057)	ND (0.0061)	ND (0.006)	ND (0.007)	ND (0.0056)	ND (0.0055)	ND (0.0071)	ND (0.0064)	ND (0.0063)	ND (0.0062)	ND (0.0056)	ND (0.0055)	ND (0.0064)	ND (0.0088)
Chloroethane	10	0.65	ND (0.0066)	ND (0.0049)	ND (0.0057)	ND (0.0061)	ND (0.006)	ND (0.007)	ND (0.0056) UJ	ND (0.0055)	ND (0.0071) UJ	ND (0.0064) UJ	ND (0.0063) UJ	ND (0.0062) UJ	ND (0.0056)	ND (0.0055)	ND (0.0064)	ND (0.0088)
Chloroform (Trichloromethane)	1.2	0.47	ND (0.0066)	ND (0.0049)	ND (0.0057)	ND (0.0061)	ND (0.006)	ND (0.007)	ND (0.0056)	ND (0.0055)	ND (0.0071)	ND (0.0064)	ND (0.0063)	ND (0.0062)	ND (0.0056)	ND (0.0055)	ND (0.0064)	ND (0.0088)
Chloromethane (Methyl Chloride)	*	*	ND (0.0066)	ND (0.0049)	ND (0.0057)	ND (0.0061)	ND (0.006)	ND (0.007)	ND (0.0056)	ND (0.0055)	ND (0.0071)	ND (0.0064)	ND (0.0063)	ND (0.0062)	ND (0.0056)	ND (0.0055)	ND (0.0064)	ND (0.0088)
cis-1,2-Dichloroethene	5.8	0.4	0.0032 J	0.0081	0.0054 J	0.002 J	0.007	0.021	0.008	0.0055 J	ND (0.0071)	0.0025 J	0.0062 J	0.0048 J	ND (0.0056)	0.0013 J	ND (0.0064)	ND (0.0088)
cis-1,3-Dichloropropene Cymene (p-Isopropyltoluene)	*	*	ND (0.0066) ND (0.027)	ND (0.0049) ND (0.02)	ND (0.0057) ND (0.023)	ND (0.0061) ND (0.025)	ND (0.006) ND (0.024)	ND (0.007) ND (0.028)	ND (0.0056) ND (0.023)	ND (0.0055) ND (0.022)	ND (0.0071) ND (0.029)	ND (0.0064) ND (0.026)	ND (0.0063) ND (0.025)	ND (0.0062) ND (0.025)	ND (0.0056) ND (0.023)	ND (0.0055) ND (0.022)	ND (0.0064) ND (0.026)	ND (0.0088) ND (0.036)
Dibromochloromethane	*	*	ND (0.0066)	ND (0.0049)	ND (0.0057)	ND (0.0061)	ND (0.006)	ND (0.007)	ND (0.0056)	ND (0.0055)	ND (0.0071)	ND (0.0064)	ND (0.0063)	ND (0.0062)	ND (0.0056)	ND (0.0055)	ND (0.0064)	ND (0.0088)
Dibromomethane	*	*	ND (0.0066)	ND (0.0049)	ND (0.0057)	ND (0.0061)	ND (0.006)	ND (0.007)	ND (0.0056)	ND (0.0055)	ND (0.0071)	ND (0.0064)	ND (0.0063)	ND (0.0062)	ND (0.0056)	ND (0.0055)	ND (0.0064)	ND (0.0088)
Dichlorodifluoromethane (CFC-12)	*	*	ND (0.0066)	ND (0.0049)	ND (0.0057)	ND (0.0061)	ND (0.006)	ND (0.007)	ND (0.0056)	ND (0.0055)	ND (0.0071)	ND (0.0064)	ND (0.0063)	ND (0.0062)	ND (0.0056)	ND (0.0055)	ND (0.0064)	ND (0.0088)
Ethylbenzene	160	13	ND (0.0066)	ND (0.0049)	ND (0.0057)	ND (0.0061)	ND (0.006)	ND (0.007)	ND (0.0056)	ND (0.0055)	ND (0.0071)	ND (0.0064)	ND (0.0063)	ND (0.0062)	ND (0.0056)	ND (0.0055)	ND (0.0064)	ND (0.0088)
Hexachlorobutadiene	44	16	ND (0.027)	ND (0.02)	ND (0.023)	ND (0.025)	ND (0.024) ND (0.006)	ND (0.028)	ND (0.023)	ND (0.022)	ND (0.029)	ND (0.026)	ND (0.025)	ND (0.025) ND (0.0062)	ND (0.023) ND (0.0056)	ND (0.022) ND (0.0055)	ND (0.026) ND (0.0064)	ND (0.036)
Isopropylbenzene m&p-Xylene	*	*	ND (0.0066) ND (0.0066)	ND (0.0049) ND (0.0049)	ND (0.0057) ND (0.0057)	ND (0.0061) ND (0.0061)	ND (0.006) ND (0.006)	ND (0.007) ND (0.007)	ND (0.0056) ND (0.0056)	ND (0.0055) ND (0.0055)	ND (0.0071) ND (0.0071)	ND (0.0064) ND (0.0064)	ND (0.0063) ND (0.0063)	ND (0.0062) ND (0.0062)	ND (0.0056) ND (0.0056)	ND (0.0055) ND (0.0055)	ND (0.0064)	ND (0.0088) ND (0.0088)
Methylene chloride	1.8	0.023	0.0019 J	0.0012 J	ND (0.012)	0.0015 J	ND (0.012) UJ	0.0017 J	ND (0.012) UJ	0.0017 J	0.024 J ^b	ND (0.013) UJ	ND (0.013)	ND (0.013)	0.0017 J	ND (0.011) UJ	ND (0.013) UJ	ND (0.018)
Naphthalene	170	0.023	ND (0.0066)	ND (0.0049)	ND (0.012) ND (0.0057)	ND (0.0061)	ND (0.012) (0)	ND (0.007)	ND (0.012) (0) ND (0.0056)	ND (0.0055)	ND (0.0071)	ND (0.013) (0)	ND (0.0063)	ND (0.0062)	ND (0.0056)	ND (0.011) (0)	ND (0.013) Uj ND (0.0064)	ND (0.0088)
n-Butylbenzene	*	*	ND (0.027)	ND (0.02)	ND (0.023)	ND (0.025)	ND (0.024)	ND (0.028)	ND (0.023)	ND (0.022)	ND (0.029)	ND (0.026)	ND (0.025)	ND (0.025)	ND (0.023)	ND (0.022)	ND (0.026)	ND (0.036)
n-Propylbenzene	*	*	ND (0.027)	ND (0.02)	ND (0.023)	ND (0.025)	ND (0.024)	ND (0.028)	ND (0.023)	ND (0.022)	ND (0.029)	ND (0.026)	ND (0.025)	ND (0.025)	ND (0.023)	ND (0.022)	ND (0.026)	ND (0.036)
o-Xylene	*	*	ND (0.0066)	ND (0.0049)	ND (0.0057)	ND (0.0061)	ND (0.006)	ND (0.007)	ND (0.0056)	ND (0.0055)	ND (0.0071)	ND (0.0064)	ND (0.0063)	ND (0.0062)	ND (0.0056)	ND (0.0055)	ND (0.0064)	ND (0.0088)
Styrene	550	3.5	ND (0.0066)	ND (0.0049)	ND (0.0057)	ND (0.0061)	ND (0.006)	ND (0.007)	ND (0.0056)	ND (0.0055)	ND (0.0071)	ND (0.0064)	ND (0.0063)	ND (0.0062)	ND (0.0056)	ND (0.0055)	ND (0.0064)	ND (0.0088)
tert-Butylbenzene			ND (0.027)	ND (0.02)	ND (0.023)	ND (0.025)	ND (0.024)	ND (0.028)	ND (0.023)	ND (0.022)	ND (0.029)	ND (0.026)	ND (0.025)	ND (0.025)	ND (0.023)	ND (0.022)	ND (0.026)	ND (0.036)
Tetrachloroethene Toluene	0.64 240	0.058 12	0.029 ND (0.0066)	0.013 ND (0.0049)	0.0074 ND (0.0057)	0.023 ND (0.0061)	0.022 ND (0.006)	0.063 ^b ND (0.007)	0.04 ND (0.0056)	0.02 ND (0.0055)	0.0055 J ND (0.0071)	0.02 ND (0.0064)	0.002 J ND (0.0063)	0.0063 ND (0.0062)	0.00087 J ND (0.0056)	0.016 ND (0.0055)	ND (0.0064) ND (0.0064)	0.071 ^b ND (0.0088)
trans-1,2-Dichloroethene	14	0.68	ND (0.0066)	ND (0.0049)	ND (0.0057)	ND (0.0061)	ND (0.006)	ND (0.007)	ND (0.0056)	ND (0.0055)	ND (0.0071) ND (0.0071)	ND (0.0064)	ND (0.0063)	ND (0.0062)	ND (0.0056)	ND (0.0055)	ND (0.0064)	ND (0.0088)
trans-1,3-Dichloropropene	*	*	ND (0.0066)	ND (0.0049)	ND (0.0057)	ND (0.0061)	ND (0.006)	ND (0.007)	ND (0.0056)	ND (0.0055)	ND (0.0071)	ND (0.0064)	ND (0.0063)	ND (0.0062)	ND (0.0056)	ND (0.0055)	ND (0.0064)	ND (0.0088)
Trichloroethene	0.082	0.057	0.28 ^{ab}	1.6 ^{ab}	0.096 ^{ab}	0.063 ^b	0.086 ^{ab}	0.25 ^{ab}	0.28 ^{ab}	0.15 ^{ab}	0.023	0.28 ^{ab}	0.1 ^{ab}	0.038	0.0071	0.03	ND (0.0064)	0.024
Trichlorofluoromethane (CFC-11)	*	*	ND (0.0066)	ND (0.0049)	ND (0.0057)	ND (0.0061)	ND (0.006)	ND (0.007)	ND (0.0056)	ND (0.0055)	ND (0.0071)	ND (0.0064)	ND (0.0063) UJ	ND (0.0062) UJ	ND (0.0056)	ND (0.0055)	ND (0.0064)	ND (0.0088)
Vinyl chloride	0.013	0.013	ND (0.0066)	ND (0.0049)	ND (0.0057)	ND (0.0061)	ND (0.006)	ND (0.007)	ND (0.0056)	ND (0.0055)	ND (0.0071)	ND (0.0064)	ND (0.0063)	ND (0.0062)	ND (0.0056)	ND (0.0055)	ND (0.0064)	ND (0.0088)

Notes:

IDEM - Indiana Department of Environmental Management
RISC - Risk Integrated System of Closure
IDCL - Industrial Default Closure Level
RDCL - Residential Default Closure Level
* - Criteria not established for this analyte.
- - Not Analyzed
BGS - below ground surface
mg/kg - milligrams per kilogram
ND(1.1) - Analyte not detected at quantitation limit in parenthesis.
J - The associated value is an estimated quantity.
UJ - The material was analyzed for, but was not detected. The associated value is an estimate and may be inaccurate or imprecise.

TABLE 4.23 Page 1 of 2

SUMMARY OF DEEP SUBSURFACE SOIL METALS ANALYTICAL DATA - SWMU 5 RADIO MATERIALS CORPORATION ATTICA, INDIANA

Sample Location: Sample ID: Sample Date: Sample Depth:	IDEM RISC IDCL a	IDEM RISC RDCL b	Background Subsurface c	B-502 S-080503-MG-004 8/5/2003 42-44 ft BGS	B-503 S-081203-MG-044 8/12/2003 32-34 ft BGS	B-507 S-081203-MG-046 8/12/2003 32-34 ft BGS	B-510 S-081303-MG-057 8/13/2003 30-32 ft BGS	B-510 S-100303-MG-358 10/3/2003 46-48 ft BGS	B-510 S-100303-MG-359 10/3/2003 46-48 ft BGS Duplicate	B-511 S-100303-MG-360 10/3/2003 32-34 ft BGS	B-513 S-080503-MG-007 8/5/2003 32-34 ft BGS	B-514 S-081303-MG-055 8/13/2003 34-36 ft BGS	B-515 S-100203-MG-357 10/2/2003 46-48 ft BGS	B-520 S-080703-MG-024 8/7/2003 36-38 ft BGS	B-521 S-100203-MG-356 10/2/2003 50-52 ft BGS	B-525 S-080503-MG-009 8/5/2003 30-31.5 ft BGS	B-526 S-081303-MG-052 8/13/2003 38-40 ft BGS
Metals (mg/kg)																	
Aluminum	*	*	27562	3250	2870	1470	2100	3170	2640	2380	2020	2760	2980	7030	2320	2850	7690
Antimony	37	5.4	0.252	0.24 J	0.11 J	0.11 J	0.1 J	0.11 J	0.11 J	0.07 J	0.13 J	0.09 J	0.1 J	0.1 J	0.15 J	0.06 J	0.13 J
Arsenic	20	3.9	10.6	15.6 ^{bc}	6 ^b	3.2	2.3	4.3 ^b	5.6 ^b	2.6	5.7 ^b	6.9 ^b	4.1^{b}	5 ^b	6.1^{b}	5.1 ^b	5.1 ^b
Barium	5900	1600	181	29.3	9.35	7.34	15.9	14	17.1	9.07	17.6	13.9	15.8	38.8	12.9	20.2	28.9
Beryllium	2300	63	0.86	0.1	0.1	0.09	0.1	0.12	0.11	0.1	0.1	0.1	0.16	0.22	0.09	0.11	0.27
Cadmium	77	7.5	0.341	0.14	0.15	0.11	0.12	0.11	0.14	0.11	0.13	0.16	0.1	0.18	0.16	0.13	0.2
Calcium	*	*	147894	122000	97400	59500	117000	103000	93300	110000	112000	82900	54700	107000	116000	59500	69500
Chromium Total	120	38	34.6	14.7	6.1	3.9	7.2	9.5	8.5	5	6	6.4	7	14.6	7.4	5.5	13.6
Cobalt	*	*	16.6	19.1°	3.2	2.4	2.9	3.6	3.2	2.9	3.2	3.6	3.5	7.7	4.3	3	7.3
Copper	2700	920	24.0	11.7	9.2	7.3	6.6	9.3	10.3	6.9	12.7	8.1	12.5	13.1	9.8	8.7	11.5
Cyanide (total)	*	*	-														
Iron	*	*	40017	12700	8430	6190	9250	10200	9080	8090	9110	9860	8270	14300	10200	8200	16000
Lead	230	81	40.8	15.8	6.79	3.95	3.25	14.2	9.13	3.64	7.12	6.33	7.21	6.31	8.29	6.41	7.69 J
Magnesium	*	*	48865	37100	29000	14900	45600	38100	26400	32000	28300	26200	17500	27500	35500	17400	24600
Manganese	*	*	1360	4670°	306	212	370	396	390	419	319	354	325	327	361	233	413
Mercury	32	2.1	0.101	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	0.08	ND (0.02)	ND (0.02)
Nickel	2700	950	44.4	21.4	13.8	11.3	14.3	23.2	23.9	21.2	12.1	13.4	16.9	21.6	27	9.1	20.9
Potassium	*	*	2479	485	749	ND (441)	683	796	541	518	496	669	718	1910	502	772	1710
Selenium	53	5.2	-	ND (1)	ND (1)	ND (1.1)	ND (1.1)	ND (0.6)	ND (1.1)	ND (0.6)	ND (1.1)	ND (1.1)	ND (1.1)	ND (1.1)	ND (1)	ND (1.1)	ND (1.1)
Silver	87	31	0.132	ND (0.02)	ND (0.02)	ND (0.02)	0.05	ND (0.01)	ND (0.02)	0.01	ND (0.02)	ND (0.02)	ND (0.02)	0.04	0.04	ND (0.02)	0.04
Sodium	*	*	177	149	101	52.4	139	143	95.1	125	83	123	77.5	157	106	77.4	120
Thallium	10	2.8	0.41	0.17	0.1	0.08	0.06	0.09	0.12	0.06	0.15	0.1	0.12	0.59 ^c	0.12	0.12	0.3
Vanadium	*	*	36.3	8.1	6.3	4.3	6	7.7	6.1	5.8	8.9	5.9	9	16.5	6.4	6.7	11.1
Zinc	10000	10000	120	75.8	39.4	34.2	76.9	42	42.9	48.3	46.9	44.2	38	46.5	54.3	39.1	59.9

TABLE 4.23 Page 2 of 2

SUMMARY OF DEEP SUBSURFACE SOIL METALS ANALYTICAL DATA - SWMU 5 RADIO MATERIALS CORPORATION ATTICA, INDIANA

Sample Location: Sample ID: Sample Date: Sample Depth:	IDEM RISC IDCL a	IDEM RISC RDCL b	Background Subsurface c	B-526 S-081303-MG-053 8/13/2003 38-40 ft BGS Duplicate	B-527 S-080703-MG-026 8/7/2003 30-32 ft BGS	B-529 S-100103-MG-354 10/1/2003 52-54 ft BGS	B-532 S-080603-MG-011 8/6/2003 36-38 ft BGS	B-533 S-081103-MG-037 8/11/2003 38-40 ft BGS	B-534 S-080603-MG-013 8/6/2003 30-32 ft BGS	B-528 S-100103-MG-355 10/1/2003 40-42 ft BGS	B-529 S-100103-MG-354 10/1/2003 52-54 ft BGS	B-532 S-080603-MG-011 8/6/2003 36-38 ft BGS	B-533 S-081103-MG-037 8/11/2003 38-40 ft BGS	B-534 S-080603-MG-013 8/6/2003 30-32 ft BGS	B-538 S-100603-MG-362 10/6/2003 50-52 ft BGS	B-539 S-100603-MG-364 10/6/2003 56-58 ft BGS	B-539 S-100603-MG-365 10/6/2003 56-58 ft BGS Duplicate
Metals (mg/kg)																	
Aluminum	*	*	27562	5770	2730	2560	8130	2440	2410	2660	2560	8130	2440	2410	2310	2760	3070
Antimony	37	5.4	0.252	0.15 J	0.12 J	0.12 J	0.08 J	0.11 J	0.1 J	0.09 J	0.12 J	0.08 J	0.11 J	0.1 J	0.14 J	0.09 J	0.08 J
Arsenic	20	3.9	10.6	$4.7^{\rm b}$	6.6 ^b	3.6	6.9 ^b	3.6	4.1^{b}	4^{b}	3.6	6.9 ^b	3.6	4.1 ^b	6.7 ^b	6.6 J ^b	3.6 J
Barium	5900	1600	181	36	24.2	17.2	30.8	16.6	18.3	92.1	17.2	30.8	16.6	18.3	14.6	16.3	15.9
Beryllium	2300	63	0.86	0.34	0.13	0.12	0.3	0.13	0.11	0.14	0.12	0.3	0.13	0.11	0.13	0.12	0.14
Cadmium	77	7.5	0.341	0.24	0.27	0.12	0.19	0.12	0.14	0.16	0.12	0.19	0.12	0.14	0.13	0.12	0.11
Calcium	*	*	147894	80700	79500	82400	80200	69400	99300	141000	82400	80200	69400	99300	113000	104000	91300
Chromium Total	120	38	34.6	10.4	6.9	6.5	15.8	4.8	5.2	7.4	6.5	15.8	4.8	5.2	5.9	7.5	6.6
Cobalt	*	*	16.6	6.4	5.7	4.4	7.1	2.9	2.9	3.5	4.4	7.1	2.9	2.9	3.4	3.4	3.2
Copper	2700	920	24.0	13.2	12.2	10.6	16.1	8.2	9.14	10.7	10.6	16.1	8.2	9.14	15.8	10.8	10.1
Cyanide (total)	*	*	-														
Iron	*	*	40017	14700	14400	10600	14800	8610	8970	13700	10600	14800	8610	8970	11600	10400	10500
Lead	230	81	40.8	18 J	8.85	8.86	6.15	5.43	4.97	10.4	8.86	6.15	5.43	4.97	9.96	10.3	6.37
Magnesium	*	*	48865	25700	25700	19600	22900	25800	45200	34100	19600	22900	25800	45200	34200	31300	22200
Manganese	*	*	1360	374	363	380	312	278	326	441	380	312	278	326	444	420	394
Mercury	32	2.1	0.101	ND (0.01)	ND (0.02)	ND (0.02)	ND (0.01)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.01)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)
Nickel	2700	950	44.4	21.8	11.1	21.5	26.3	10	11.4	21.1	21.5	26.3	10	11.4	24.5	21.3	20.6
Potassium	*	*	2479	1200	700	513	2100	ND (443)	534	779	513	2100	ND (443)	534	585	553	668
Selenium	53	5.2	-	ND (1.1)	ND (1.1)	ND (1.1)	ND (1.1)	ND (1.1)	ND (1.1)	ND (1.1)	ND (1.1)	ND (1.1)	ND (1.1)	ND (1.1)	ND (1.1)	ND (1.1)	ND (1.1)
Silver	87	31	0.132	0.03	0.03	ND (0.02)	0.04	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	0.04	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)
Sodium	*	*	177	107	100	89	135	98.3	115	118	89	135	98.3	115	111	98.5	84.3
Thallium	10	2.8	0.41	0.34	0.21	0.12	0.43^{c}	0.17	0.2	0.14	0.12	0.43°	0.17	0.2	0.22	0.13	0.11
Vanadium	*	*	36.3	16.7	7.2	6.7	17.6	5.8	6.8	10.6	6.7	17.6	5.8	6.8	9.1	7.8	7.8
Zinc	10000	10000	120	52.6	83.5	48.3	46.1	35.4	40.1	46.4	48.3	46.1	35.4	40.1	57.7	47.2	40

Notes:
IDEM - Indiana Department of Environmental Management

RISC - Risk Integrated System of Closure

IDCL - Industrial Default Closure Level

RDCL - Residential Default Closure Level

* - Criteria not established for this analyte.

-- - Not Analyzed

BGS - below ground surface

mg/kg - milligrams per kilogram

ND(1.1) - Analyte not detected at quantitation limit in parenthesis.

J - The associated value is an estimated quantity.

TABLE 4.24 SUMMARY OF SHALLOW SUBSURFACE SOIL VOC ANALYTICAL DATA - SWMU 11/AOC 2 RADIO MATERIALS CORPORATION ATTICA, INDIANA

Sample Location:			B-1102	B-1109	B-1110	B-1113	B-1116	B-1117	B-1119	B-1120	B-1122	B-1123	B-1125	B-1127	B-1128	B-1128	B-1131	B-1132	B-1132	B-1135	B-1135
Sample ID: Sample Date:	IDEM RISC	IDEM RISC	S-092303-MG-327 9/23/2003	S-082003-MG-086 8/20/2003	S-092303-MG-331 9/23/2003	S-092403-MG-333 9/24/2003	S-092903-MG-344 9/29/2003	S-092303-MG-329 9/23/2003	S-090904-MG-100 9/9/2004	S-090804-MG-097 9/8/2004	S-090704-MG-093 9/7/2004	S-090704-MG-091 9/7/2004	S-090304-MG-086 9/3/2004	S-090104-MG-081 9/1/2004	S-091004-MG-105 9/10/2004	S-091004-MG-106 9/10/2004	S-083004-MG-074 8/30/2004	S-083004-MG-076 8/30/2004	S-083004-MG-077 8/30/2004	S-070705-TP-166 7/7/2005	S-070705-TP-167 7/7/2005
Sample Dute: Sample Depth:	IDCL	RDCL	3/23/2003 2-4 ft BGS	0-2 ft BGS	8-10 ft BGS	8-10 ft BGS	6-8 ft BGS	8-10 ft BGS	0-2 ft BGS	0-2 ft BGS	4-6 ft BGS	2-4 ft BGS	0-2 ft BGS	0-2 ft BGS	4-6 ft BGS	4-6 ft BGS	8-10 ft BGS	0-2 ft BGS	0-2 ft BGS	8-10 ft BGS	8-10 ft BGS
	a	b	,	,	,	,	,	,	,	,	,	,	,	,	,	Duplicate	,	,	Duplicate	,	Duplicate
Volatile Organic Compounds (mg/kg) 1,1,1,2-Tetrachloroethane	0.85	0.053	ND (0.0044) UJ	ND (0.0067) UJ	ND (0.063)	ND (0.0061) UJ	0.0011 J	ND (0.057)	ND (0.0059)	ND (0.0053)	ND (0.0047)	ND (0.0057)	ND (0.0053)	ND (0.0063)	ND (0.0053)	ND (0.0052)	ND (0.0048)	ND (0.007)	ND (0.0063)	ND (0.0045)	ND (0.0043)
1,1,1-Trichloroethane	280	1.9	ND (0.0044)	ND (0.0067)	ND (0.063)	ND (0.0061)	ND (0.0062)	ND (0.057)	ND (0.0059)	ND (0.0053)	ND (0.0047)	ND (0.0057)	ND (0.0053)	ND (0.0063)	ND (0.0053)	ND (0.0052)	ND (0.0048)	ND (0.007)	ND (0.0063)	ND (0.0045)	ND (0.0043)
1,1,2,2-Tetrachloroethane	0.11	0.007	ND (0.0044)	ND (0.0067)	ND (0.063)	ND (0.0061)	ND (0.0062)	ND (0.057)	ND (0.0059)	ND (0.0053)	ND (0.0047)	ND (0.0057)	ND (0.0053)	ND (0.0063)	ND (0.0053)	ND (0.0052)	ND (0.0048)	ND (0.007)	ND (0.0063)	ND (0.0045)	ND (0.0043)
1,1,2-Trichloroethane	0.3	0.03	ND (0.0044)	ND (0.0067)	ND (0.063)	ND (0.0061)	ND (0.0062)	ND (0.057)	ND (0.0059)	ND (0.0053)	ND (0.0047)	ND (0.0057)	ND (0.0053)	ND (0.0063)	ND (0.0053)	ND (0.0052)	ND (0.0048)	ND (0.007)	ND (0.0063)	ND (0.0045)	ND (0.0043)
1,1-Dichloroethane	58	5.6	ND (0.0044)	ND (0.0067)	ND (0.063)	ND (0.0061)	ND (0.0062)	ND (0.057)	ND (0.0059)	ND (0.0053)	ND (0.0047)	ND (0.0057)	ND (0.0053)	ND (0.0063)	ND (0.0053)	ND (0.0052)	ND (0.0048)	ND (0.007)	ND (0.0063)	ND (0.0045)	ND (0.0043)
1,1-Dichloroethene 1,1-Dichloropropene	42 *	0.058	ND (0.0044) ND (0.0044)	ND (0.0067) ND (0.0067)	ND (0.063) ND (0.063)	ND (0.0061) ND (0.0061)	ND (0.0062) ND (0.0062)	ND (0.057) ND (0.057)	ND (0.0059) ND (0.0059)	ND (0.0053) ND (0.0053)	0.043 ND (0.0047) UJ	ND (0.0057) ND (0.0057) UI	ND (0.0053) ND (0.0053)	ND (0.0063) ND (0.0063)	ND (0.0053) ND (0.0053)	ND (0.0052) ND (0.0052)	ND (0.0048) ND (0.0048)	ND (0.007) ND (0.007)	ND (0.0063) ND (0.0063)	ND (0.0045) ND (0.0045)	ND (0.0043) ND (0.0043)
1,2,3-Trichlorobenzene	*	*	ND (0.018)	ND (0.027)	ND (0.26)	ND (0.025)	ND (0.025)	ND (0.23)	ND (0.0059)	ND (0.0053)	ND (0.0047)	ND (0.0057)	ND (0.0053)	ND (0.0063)	ND (0.0053)	ND (0.0052)	ND (0.0048)	ND (0.007)	ND (0.0063)	ND (0.0045)	ND (0.0043)
1,2,3-Trichloropropane	*	*	ND (0.0044)	ND (0.0067)	ND (0.063)	ND (0.0061)	ND (0.0062)	ND (0.057)	ND (0.0059)	ND (0.0053)	ND (0.0047)	ND (0.0057)	ND (0.0053)	ND (0.0063)	ND (0.0053)	ND (0.0052)	ND (0.0048)	ND (0.007)	ND (0.0063)	ND (0.0045)	ND (0.0043)
1,2,4-Trichlorobenzene	77	5.3	ND (0.018)	ND (0.027)	ND (0.26)	ND (0.025)	ND (0.025)	ND (0.23)	ND (0.024)	ND (0.022)	ND (0.019)	ND (0.023)	ND (0.022)	ND (0.025)	ND (0.022)	ND (0.021)	ND (0.02)	ND (0.028)	ND (0.025)	ND (0.018)	ND (0.017)
1,2,4-Trimethylbenzene	170	2.5	0.0061 J	ND (0.027)	ND (0.26)	ND (0.025)	ND (0.025)	ND (0.23)	ND (0.024)	ND (0.022)	ND (0.019)	ND (0.023)	ND (0.022)	ND (0.025)	ND (0.022)	ND (0.021)	ND (0.02)	ND (0.028)	ND (0.025)	ND (0.018)	ND (0.017)
1,2-Dibromo-3-chloropropane (DBCP) 1,2-Dibromoethane (Ethylene Dibromide)	*	*	ND (0.018) ND (0.018)	ND (0.027) ND (0.027)	ND (0.26) ND (0.26)	ND (0.025) ND (0.025)	ND (0.025) ND (0.025)	ND (0.23) ND (0.23)	ND (0.024) ND (0.0059)	ND (0.022) ND (0.0053)	ND (0.019) ND (0.0047)	ND (0.023) ND (0.0057)	ND (0.022) ND (0.0053)	ND (0.025) ND (0.0063)	ND (0.022) ND (0.0053)	ND (0.021) ND (0.0052)	ND (0.02) ND (0.0048)	ND (0.028) ND (0.007)	ND (0.025) ND (0.0063)	ND (0.018) ND (0.0045)	ND (0.017) ND (0.0043)
1,2-Dichlorobenzene	220	17	ND (0.0044)	ND (0.0067)	ND (0.063)	ND (0.0061)	ND (0.0062)	ND (0.057)	ND (0.0059)	ND (0.0053)	ND (0.0047)	ND (0.0057)	ND (0.0053)	ND (0.0063)	ND (0.0053)	ND (0.0052)	ND (0.0048)	ND (0.007)	ND (0.0063)	ND (0.0045)	ND (0.0043)
1,2-Dichloroethane	0.15	0.024	ND (0.0044)	ND (0.0067)	ND (0.063)	ND (0.0061)	ND (0.0062)	ND (0.057)	ND (0.0059)	ND (0.0053)	ND (0.0047)	ND (0.0057)	ND (0.0053)	ND (0.0063)	ND (0.0053)	ND (0.0052)	ND (0.0048)	ND (0.007)	ND (0.0063)	ND (0.0045)	ND (0.0043)
1,2-Dichloropropane	0.25	0.03	ND (0.0044)	ND (0.0067)	ND (0.063)	ND (0.0061)	ND (0.0062)	ND (0.057)	ND (0.0059)	ND (0.0053)	ND (0.0047)	ND (0.0057)	ND (0.0053)	ND (0.0063)	ND (0.0053)	ND (0.0052)	ND (0.0048)	ND (0.007)	ND (0.0063)	ND (0.0045)	ND (0.0043)
1,3,5-Trimethylbenzene 1,3-Dichlorobenzene	68 2.7	0.61 0.2	ND (0.018)	ND (0.027) ND (0.0067)	ND (0.26)	ND (0.025) ND (0.0061)	ND (0.025)	ND (0.23)	ND (0.0059) ND (0.0059)	ND (0.0053)	ND (0.0047)	ND (0.0057) ND (0.0057)	ND (0.0053) ND (0.0053)	ND (0.0063)	ND (0.0053)	ND (0.0052)	ND (0.0048)	ND (0.007) ND (0.007)	ND (0.0063)	ND (0.0045) ND (0.0045)	ND (0.0043) ND (0.0043)
1,3-Dichloropenzene 1,3-Dichloropropane	∠./ *	*	ND (0.0044) ND (0.0044)	ND (0.0067) ND (0.0067)	ND (0.063) ND (0.063)	ND (0.0061) ND (0.0061)	ND (0.0062) ND (0.0062)	ND (0.057) ND (0.057)	ND (0.0059) ND (0.0059)	ND (0.0053) ND (0.0053)	ND (0.0047) ND (0.0047)	ND (0.0057) ND (0.0057)	ND (0.0053) ND (0.0053)	ND (0.0063) ND (0.0063)	ND (0.0053) ND (0.0053)	ND (0.0052) ND (0.0052)	ND (0.0048) ND (0.0048)	ND (0.007) ND (0.007)	ND (0.0063) ND (0.0063)	ND (0.0045) ND (0.0045)	ND (0.0043) ND (0.0043)
1,4-Dichlorobenzene	3.4	2.2	ND (0.0044)	ND (0.0067)	ND (0.063)	ND (0.0061)	ND (0.0062)	ND (0.057)	ND (0.0059)	ND (0.0053)	ND (0.0047)	ND (0.0057)	ND (0.0053)	ND (0.0063)	ND (0.0053)	ND (0.0052)	ND (0.0048)	ND (0.007)	ND (0.0063)	ND (0.0045)	ND (0.0043)
2,2-Dichloropropane	*	*	ND (0.0044)	ND (0.0067)	ND (0.063)	ND (0.0061)	ND (0.0062)	ND (0.057)	ND (0.0059)	ND (0.0053)	ND (0.0047)	ND (0.0057)	ND (0.0053)	ND (0.0063)	ND (0.0053)	ND (0.0052)	ND (0.0048)	ND (0.007)	ND (0.0063)	ND (0.0045)	ND (0.0043)
2-Butanone (Methyl Ethyl Ketone)	250	35	ND (0.018)	ND (0.027)	ND (2.6)	ND (0.025)	ND (0.025)	ND (2.3)	ND (0.024) UJ	ND (0.022) UJ	ND (0.019) UJ	ND (0.023) UJ	ND (0.022) UJ	ND (0.025) UJ	ND (0.022) UJ	ND (0.021) UJ	ND (0.02) UJ	ND (0.028) UJ	ND (0.025) UJ	ND (0.018) UJ	ND (0.017) UJ
2-Chlorotoluene 2-Hexanone	*	*	ND (0.018) ND (0.018)	ND (0.027) ND (0.027)	ND (0.26) ND (2.6) UJ	ND (0.025) ND (0.025)	ND (0.025) ND (0.025)	ND (0.23) ND (2.3) UJ	ND (0.024) ND (0.024)	ND (0.022) ND (0.022)	ND (0.019) ND (0.019)	ND (0.023) ND (0.023)	ND (0.022) ND (0.022)	ND (0.025) ND (0.025)	ND (0.022) ND (0.022)	ND (0.021) ND (0.021)	ND (0.02) ND (0.02)	ND (0.028) ND (0.028)	ND (0.025) ND (0.025)	ND (0.018) ND (0.018)	ND (0.017) ND (0.017)
2-Phenylbutane (sec-Butylbenzene)	*	*	ND (0.018)	ND (0.027)	ND (0.26)	ND (0.025)	ND (0.025)	ND (0.23)	ND (0.024) ND (0.024)	ND (0.022)	ND (0.019)	ND (0.023)	ND (0.022) ND (0.022)	ND (0.025)	ND (0.022)	ND (0.021)	ND (0.02)	ND (0.028)	ND (0.025)	ND (0.018)	ND (0.017) ND (0.017)
4-Chlorotoluene	*	*	ND (0.018)	ND (0.027)	ND (0.26)	ND (0.025)	ND (0.025)	ND (0.23)	ND (0.024)	ND (0.022)	ND (0.019)	ND (0.023)	ND (0.022)	ND (0.025)	ND (0.022)	ND (0.021)	ND (0.02)	ND (0.028)	ND (0.025)	ND (0.018)	ND (0.017)
4-Methyl-2-Pentanone																					
(Methyl Isobutyl Ketone)	75	20	ND (0.018)	ND (0.027)	ND (2.6)	ND (0.025)	ND (0.025)	ND (2.3)	ND (0.024)	ND (0.022)	ND (0.019) UJ	ND (0.023) UJ	ND (0.022)	ND (0.025)	ND (0.022)	ND (0.021)	ND (0.02)	ND (0.028)	ND (0.025)	ND (0.018)	ND (0.017)
Acetone Benzene	370 0.35	3.8 0.034	ND (0.044) 0.0014 J	ND (0.067) UJ ND (0.0067)	ND (2.6) ND (0.063)	ND (0.061) UJ ND (0.0061)	ND (0.062) ND (0.0062) UJ	ND (2.3) ND (0.057)	ND (0.024) ND (0.0059)	ND (0.022) UJ ND (0.0053)	0.018 J 0.0011 J	ND (0.023) ND (0.0057)	ND (0.022) ND (0.0053)	ND (0.025) UJ ND (0.0063)	ND (0.022) UJ ND (0.0053)	ND (0.021) UJ ND (0.0052)	ND (0.02) UJ ND (0.0048)	ND (0.028) UJ ND (0.007)	ND (0.025) UJ ND (0.0063)	ND (0.018) ND (0.0045)	ND (0.017) ND (0.0043)
Bromobenzene	*	*	ND (0.0044)	ND (0.0067)	ND (0.26)	ND (0.0061)	ND (0.0062) UJ	ND (0.23)	ND (0.0059)	ND (0.0053)	ND (0.0047)	ND (0.0057)	ND (0.0053)	ND (0.0063)	ND (0.0053)	ND (0.0052)	ND (0.0048)	ND (0.007)	ND (0.0063)	ND (0.0045)	ND (0.0043)
Bromodichloromethane	0.51	0.51	ND (0.0044)	ND (0.0067)	ND (0.063)	ND (0.0061)	ND (0.0062)	ND (0.057)	ND (0.0059)	ND (0.0053)	ND (0.0047)	ND (0.0057)	ND (0.0053)	ND (0.0063)	ND (0.0053)	ND (0.0052)	ND (0.0048)	ND (0.007)	ND (0.0063)	ND (0.0045)	ND (0.0043)
Bromoform	2.7	0.6	ND (0.0044) UJ	ND (0.0067) UJ	ND (0.063)	ND (0.0061) J	ND (0.0062)	ND (0.057)	ND (0.0059)	ND (0.0053)	ND (0.0047)	ND (0.0057)	ND (0.0053)	ND (0.0063)	ND (0.0053)	ND (0.0052)	ND (0.0048)	ND (0.007)	ND (0.0063)	ND (0.0045)	ND (0.0043)
Bromomethane (Methyl Bromide)	0.7 82	0.052 10	ND (0.0044)	ND (0.0067) UJ	ND (0.063) UJ	ND (0.0061) J	ND (0.0062) UJ	ND (0.057) UJ	ND (0.0059)	ND (0.0053)	ND (0.0047)	ND (0.0057)	ND (0.0053)	ND (0.0063)	ND (0.0053)	ND (0.0052)	ND (0.0048)	ND (0.007)	ND (0.0063)	ND (0.0045)	ND (0.0043)
Carbon disulfide Carbon tetrachloride	0.29	0.066	ND (0.0044) ND (0.0044)	ND (0.0067) ND (0.0067)	ND (0.063) ND (0.063)	ND (0.0061) ND (0.0061)	ND (0.0062) ND (0.0062)	ND (0.057) ND (0.057)	ND (0.0059) ND (0.0059)	ND (0.0053) ND (0.0053)	0.0028 J ND (0.0047)	ND (0.0057) ND (0.0057)	ND (0.0053) ND (0.0053)	ND (0.0063) ND (0.0063)	ND (0.0053) ND (0.0053)	ND (0.0052) ND (0.0052)	ND (0.0048) ND (0.0048)	ND (0.007) ND (0.007)	ND (0.0063) ND (0.0063)	ND (0.0045) ND (0.0045)	ND (0.0043) ND (0.0043)
Chlorobenzene	27	1.3	ND (0.0044)	ND (0.0067)	ND (0.063)	ND (0.0061)	ND (0.0062)	ND (0.057)	ND (0.0059)	ND (0.0053)	ND (0.0047)	ND (0.0057)	ND (0.0053)	ND (0.0063)	ND (0.0053)	ND (0.0052)	ND (0.0048)	ND (0.007)	ND (0.0063)	ND (0.0045)	ND (0.0043)
Chlorobromomethane	*	*	ND (0.0044)	ND (0.0067)	ND (0.063)	ND (0.0061)	ND (0.0062)	ND (0.057)	ND (0.0059)	ND (0.0053)	ND (0.0047)	ND (0.0057)	ND (0.0053)	ND (0.0063)	ND (0.0053)	ND (0.0052)	ND (0.0048)	ND (0.007)	ND (0.0063)	ND (0.0045)	ND (0.0043)
Chloroethane	10	0.65	ND (0.0044)	ND (0.0067)	ND (0.063)	ND (0.0061)	ND (0.0062)	ND (0.057)	ND (0.0059)	ND (0.0053)	ND (0.0047)	ND (0.0057)	ND (0.0053)	ND (0.0063)	ND (0.0053)	ND (0.0052)	ND (0.0048)	ND (0.007)	ND (0.0063)	ND (0.0045)	ND (0.0043)
Chloroform (Trichloromethane) Chloromethane (Methyl Chloride)	1.2	0.47	ND (0.0044) ND (0.0044)	ND (0.0067) ND (0.0067)	ND (0.063) ND (0.063)	ND (0.0061) ND (0.0061)	0.001 J ND (0.0062)	ND (0.057) ND (0.057)	ND (0.0059) ND (0.0059)	ND (0.0053) ND (0.0053)	ND (0.0047) ND (0.0047)	ND (0.0057) ND (0.0057)	ND (0.0053) ND (0.0053)	ND (0.0063)	ND (0.0053) ND (0.0053)	ND (0.0052) ND (0.0052)	ND (0.0048) ND (0.0048)	ND (0.007) ND (0.007)	ND (0.0063) ND (0.0063)	ND (0.0045) ND (0.0045)	ND (0.0043) ND (0.0043)
cis-1,2-Dichloroethene	5.8	0.4	2.7 ^b	ND (0.0067)	0.015 J	ND (0.0061)	0.002 J	ND (0.057)	ND (0.0059)	0.0014 J	11 ^{ab}	0.10	ND (0.0053)	ND (0.0063) 0.0026 J	ND (0.0053)	ND (0.0052)	ND (0.0048)	ND (0.007)	ND (0.0063)	ND (0.0045)	ND (0.0043)
cis-1,3-Dichloropropene	*	*	ND (0.0044)	ND (0.0067)	ND (0.063)	ND (0.0061)	ND (0.0062)	ND (0.057)	ND (0.0059) UI	ND (0.0053)	ND (0.0047) UJ	ND (0.0057) UJ	ND (0.0053)	ND (0.0063)	ND (0.0053)	ND (0.0052)	ND (0.0048)	ND (0.007)	ND (0.0063)	ND (0.0045)	ND (0.0043)
Cymene (p-Isopropyltoluene)	*	*	ND (0.018)	ND (0.027)	ND (0.26)	ND (0.025)	ND (0.025)	ND (0.23)	ND (0.024)	ND (0.022)	ND (0.019)	ND (0.023)	ND (0.022)	ND (0.025)	ND (0.022)	ND (0.021)	ND (0.02)	ND (0.028)	ND (0.025)	ND (0.018)	ND (0.017)
Dibromochloromethane	*	*	ND (0.0044)	ND (0.0067)	ND (0.063)	ND (0.0061)	ND (0.0062)	ND (0.057)	ND (0.0059)	ND (0.0053)	ND (0.0047)	ND (0.0057)	ND (0.0053)	ND (0.0063)	ND (0.0053)	ND (0.0052)	ND (0.0048)	ND (0.007)	ND (0.0063)	ND (0.0045)	ND (0.0043)
Dishlored if the remethans (CEC 12)	*	*	ND (0.0044)	ND (0.0067)	ND (0.063)	ND (0.0061)	ND (0.0062)	ND (0.057)	ND (0.0059)	ND (0.0053)	ND (0.0047)	ND (0.0057)	ND (0.0053)	ND (0.0063)	ND (0.0053)	ND (0.0052)	ND (0.0048)	ND (0.007)	ND (0.0063)	ND (0.0045)	ND (0.0043)
Dichlorodifluoromethane (CFC-12) Ethylbenzene	160	13	ND (0.0044) ND (0.0044)	ND (0.0067) ND (0.0067)	ND (0.063) ND (0.063)	ND (0.0061) ND (0.0061)	ND (0.0062) ND (0.0062)	ND (0.057) ND (0.057)	ND (0.0059) ND (0.0059)	ND (0.0053) ND (0.0053)	ND (0.0047) ND (0.0047)	ND (0.0057) ND (0.0057)	ND (0.0053) ND (0.0053)	ND (0.0063) ND (0.0063)	ND (0.0053) ND (0.0053)	ND (0.0052) ND (0.0052)	ND (0.0048) ND (0.0048)	ND (0.007) ND (0.007)	ND (0.0063) ND (0.0063)	ND (0.0045) ND (0.0045)	ND (0.0043) ND (0.0043)
Hexachlorobutadiene	44	16	ND (0.018)	ND (0.007)	ND (0.26)	ND (0.0051) ND (0.025)	ND (0.0052)	ND (0.037)	ND (0.0034)	ND (0.0033)	ND (0.019)	ND (0.0037)	ND (0.022)	ND (0.005)	ND (0.0033)	ND (0.0032) ND (0.021)	ND (0.0048)	ND (0.028)	ND (0.003)	ND (0.018)	ND (0.0043) ND (0.017)
Isopropylbenzene	*	*	ND (0.018)	ND (0.027)	ND (0.26)	ND (0.025)	ND (0.025)	ND (0.23)	ND (0.0059) UJ	ND (0.0053)	ND (0.0047) UJ	ND (0.0057) UJ	ND (0.0053)	ND (0.0063)	ND (0.0053)	ND (0.0052)	ND (0.0048)	ND (0.007)	ND (0.0063)	ND (0.0045)	ND (0.0043)
m&p-Xylene	*	*	ND (0.0044) UJ	ND (0.0067) UJ	ND (0.063)	ND (0.0061) UJ	ND (0.0062) UJ	ND (0.057)	ND (0.0059)	ND (0.0053)	ND (0.0047)	ND (0.0057)	ND (0.0053)	ND (0.0063)	ND (0.0053)	ND (0.0052)	ND (0.0048)	ND (0.007)	ND (0.0063)	ND (0.0045)	ND (0.0043)
Methylene chloride	1.8 170	0.023 0.7	ND (0.0087) ND (0.018)	0.0043 J	ND (0.26)	ND (0.013) ND (0.025)	ND (0.013) ND (0.025)	ND (0.23)	ND (0.012) ND (0.0059)	ND (0.011) ND (0.0053)	ND (0.0093)	ND (0.012)	ND (0.011)	ND (0.013) ND (0.0063)	ND (0.011) UJ	ND (0.011) UJ	ND (0.0096)	ND (0.014) ND (0.007)	ND (0.013)	ND (0.009)	ND (0.0085)
Naphthalene n-Butylbenzene	*	*	ND (0.018)	ND (0.027) ND (0.027)	ND (0.26) UJ ND (0.26)	ND (0.025)	ND (0.025)	ND (0.23) UJ ND (0.23)	ND (0.0059) ND (0.024)	ND (0.0053) ND (0.022)	ND (0.0047) ND (0.019)	ND (0.0057) ND (0.023)	ND (0.0053) ND (0.022)	ND (0.0063) ND (0.025)	ND (0.0053) ND (0.022)	ND (0.0052) ND (0.021)	ND (0.0048) ND (0.02)	ND (0.007) ND (0.028)	ND (0.0063) ND (0.025)	ND (0.0045) ND (0.018)	ND (0.0043) ND (0.017)
n-Propylbenzene	*	*	ND (0.018)	ND (0.027)	ND (0.26)	ND (0.025)	ND (0.025) UJ	ND (0.23)	ND (0.024)	ND (0.022)	ND (0.019)	ND (0.023)	ND (0.022)	ND (0.025)	ND (0.022)	ND (0.021)	ND (0.02)	ND (0.028)	ND (0.025)	ND (0.018)	ND (0.017)
o-Xylene	*	*	ND (0.0044) UJ	ND (0.0067) UJ	ND (0.063)	ND (0.0061) UJ	ND (0.0062)	ND (0.057)	ND (0.0059)	ND (0.0053)	ND (0.0047)	ND (0.0057)	ND (0.0053)	ND (0.0063)	ND (0.0053)	ND (0.0052)	ND (0.0048)	ND (0.007)	ND (0.0063)	ND (0.0045)	ND (0.0043)
Styrene	550	3.5	ND (0.0044) UJ	ND (0.0067) UJ	ND (0.063) UJ	ND (0.0061) UJ	ND (0.0062)	ND (0.057) UJ	ND (0.0059)	ND (0.0053)	ND (0.0047)	ND (0.0057)	ND (0.0053)	ND (0.0063)	ND (0.0053)	ND (0.0052)	ND (0.0048)	ND (0.007)	ND (0.0063)	ND (0.0045)	ND (0.0043)
tert-Butylbenzene	0.4	0.050	ND (0.018)	ND (0.027)	ND (0.26)	ND (0.025)	ND (0.025)	ND (0.23)	ND (0.024)	ND (0.022)	ND (0.019)	ND (0.023)	ND (0.022)	ND (0.025)	ND (0.022)	ND (0.021)	ND (0.02)	ND (0.028)	ND (0.025)	ND (0.018)	ND (0.017)
Tetrachloroethene Toluene	0.64 240	0.058 12	0.0036 J 0.0034 J	0.0032 J ND (0.0067)	38 ^{ab} ND (0.063)	0.27 ^b ND (0.0061)	25 ^{ab} ND (0.0062)	18 ^{ab} ND (0.057)	0.0013 J ND (0.0059)	ND (0.0053) ND (0.0053)	ND (0.0047) 0.012	0.001 J ND (0.0057)	0.00058 J ND (0.0053)	ND (0.0063) ND (0.0063)	ND (0.0053) ND (0.0053)	ND (0.0052) ND (0.0052)	ND (0.0048) ND (0.0048)	ND (0.007) ND (0.007)	ND (0.0063) ND (0.0063)	0.014 ND (0.0045)	0.021 ND (0.0043)
trans-1,2-Dichloroethene	14	0.68	0.0034 J 0.0028 J	ND (0.0067)	ND (0.063)	ND (0.0061)	ND (0.0062)	ND (0.057)	ND (0.0059)	ND (0.0053)	0.012	0.0044 J	ND (0.0053)	ND (0.0063)	ND (0.0053)	ND (0.0052)	ND (0.0048)	ND (0.007)	ND (0.0063)	ND (0.0045)	ND (0.0043)
trans-1,3-Dichloropropene	*	*	ND (0.0044)	ND (0.0067)	ND (0.063)	ND (0.0061)	ND (0.0062)	ND (0.057)	ND (0.0059)	ND (0.0053)	ND (0.0047)	ND (0.0057)	ND (0.0053)	ND (0.0063)	ND (0.0053)	ND (0.0052)	ND (0.0048)	ND (0.007)	ND (0.0063)	ND (0.0045)	ND (0.0043)
Trichloroethene	0.082	0.057	0.051	ND (0.0067)	0.044 J	0.023	0.0084	ND (0.057)	0.00066 J	ND (0.0053)	22 ^{ab}	3.6 ^{ab}	0.00041 J	0.021	4.0 ^{ab}	3.2 ^{ab}	ND (0.0048)	ND (0.007)	ND (0.0063)	0.00026	0.00014
Trichlorofluoromethane (CFC-11)	*	*	ND (0.0044) UJ	ND (0.0067)	ND (0.063)	ND (0.0061)	ND (0.0062)	ND (0.057)	ND (0.0059)	ND (0.0053)	ND (0.0047)	ND (0.0057)	ND (0.0053)	ND (0.0063)	ND (0.0053)	ND (0.0052)	ND (0.0048)	ND (0.007)	ND (0.0063)	ND (0.0045)	ND (0.0043)
Vinyl chloride	0.013	0.013	0.017 ^{ab}	ND (0.0067)	ND (0.063)	ND (0.0061)	ND (0.0062)	ND (0.057)	ND (0.0059)	ND (0.0053)	0.47 ^{ab}	ND (0.0057)	ND (0.0053)	ND (0.0063)	ND (0.0053)	ND (0.0052)	ND (0.0048)	ND (0.007)	ND (0.0063)	ND (0.0045)	ND (0.0043)
X .																					

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Notes:

IDEM - Indiana Department of Environmental Management
RISC - Risk Integrated System of Closure
IDCL - Industrial Default Closure Level
RDCL - Residential Default Closure Level
* - Criteria not established for this analyte.
- - Not Analyzed
BGS - below ground surface
mg/kg - milligrams per kilogram
ND(1.1) - Analyte not detected at quantitation limit in parenthesis.
J - The associated value is an estimated quantity.
UJ - The material was analyzed for, but was not detected. The associated value is an estimate and may be inaccurate or imprecise.

SUMMARY OF SHALLOW SUBSURFACE SOIL METALS ANALYTICAL DATA - SWMU 11/AOC 2 RADIO MATERIALS CORPORATION ATTICA, INDIANA

Sample Location: Sample ID: Sample Date: Sample Depth:	IDEM RISC IDCL a	IDEM RISC RDCL b	Background Subsurface c	B-1102 S-092303-MG-327 9/23/2003 2-4 ft BGS	B-1109 S-082003-MG-086 8/20/2003 0-2 ft BGS	B-1110 S-092303-MG-331 9/23/2003 8-10 ft BGS	B-1113 S-092403-MG-333 9/24/2003 8-10 ft BGS	B-1116 S-092903-MG-344 9/29/2003 6-8 ft BGS	B-1117 S-092303-MG-329 9/23/2003 8-10 ft BGS
Metals (mg/kg)									
Aluminum	*	*	27784	10400	13900	9670	2250	22600	9540
Antimony	37	5.4	0.253	0.17 J	0.09 J	0.16 J	0.09 J	0.16 J	0.14 J
Arsenic	20	3.9	14.1	6.5 ^b	8.4 ^b	7.4 ^b	2.7	9^{b}	10.9 ^b
Barium	5900	1600	183	75.2	65.5	79.5	11.3	92.8	95.4
Beryllium	2300	63	0.867	0.48	0.45	0.47	0.08	0.6	0.58
Cadmium	77	7.5	0.343	0.21	0.13	0.24	0.11	0.13	0.3
Calcium	*	*	149433	12600	2510	1920	87000	2100	1780
Chromium Total	120	38	34.8	15.8	20.5	16.9	6.6	27.1	14.6
Cobalt	*	*	16.7	9.7	11.1	7.4	4.3	11	6.9
Copper	2700	920	24.1	15.9	19.1	17.2	8.5	20.2	20.1
Iron	*	*	40266	19200	24400	18300	7220	30000	19300
Lead	230	81	41.1	15.9	15.5	14.9	5.14	19.3	16.2
Magnesium	*	*	49338	4720	3510	2820	23900	4020	2370
Manganese	*	*	1370	308	419	623	289	593	584
Mercury	32	2.1	0.097	0.03	0.03	ND (0.02)	ND (0.02)	0.03	0.02
Nickel	2700	950	38.4	19	22.1	20.5	23.2	22.5	23
Potassium	*	*	2496	1230	1160	1120	521	2270	1210
Selenium	53	5.2	-	ND (1.2)	ND (1.1)	ND (1.1)	ND (1)	ND (1)	ND (1.2)
Silver	87	31	0.789	0.03	0.1	0.03	ND (0.02)	0.04	0.04
Sodium	*	*	179	63.7	44.8	74.7	83.1	59.9	62
Thallium	10	2.8	0.412	0.29	0.33	0.24	0.07	0.37	0.34
Vanadium	*	*	36.6	20.3	22.6	18.2	6.2	28.6	23.5
Zinc	10000	10000	121	65.2	70.4	72.6	23.8	88.5	77.1

Notes

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RDCL - Residential Default Closure Level

* - Criteria not established for this analyte.

-- - Not Analyzed

BGS - below ground surface

mg/kg - milligrams per kilogram

ND(1.1) - Analyte not detected at quantitation limit in parenthesis.

J - The associated value is an estimated quantity.

Page 1 of 2

SUMMARY OF INTERMEDIATE SUBSURFACE SOIL VOC ANALYTICAL DATA - SWMU 11/AOC 2 RADIO MATERIALS CORPORATION ATTICA, INDIANA

Sample Location: Sample ID:	IDEM	IDEM	B-1101 S-093003-MG-349	B-1101 9 S-093003-MG-350	B-1102 S-092303-MG-328	B-1103 S-081903-MG-082	B-1103 S-081903-MG-083	B-1104 S-093003-MG-351	B-1104 S-093003-MG-352	B-1104 S-093003-MG-353	B-1105 S-091803-MG-311	B-1105 S-091803-MG-312	B-1106 2 S-081903-MG-084	B-1107 S-092503-MG-335	B-1107 5 S-092503-MG-336	B-1107 S-092503-MG-337	B-1108 S-092903-MG-342	B-1108 S-092903-MG-343	B-1109 S-082003-MG-087	B-1110 S-092303-MG-332	B-1111 S-091903-MG-314	B-1112 S-091803-MG-313	B-1114 S-092503-MG-338	B-1115 S-082003-MG-088
Sample Date:	RISC	RISC	9/30/2003	9/30/2003	9/23/2003	8/19/2003	8/19/2003	9/30/2003	9/30/2003	9/30/2003	9/18/2003	9/18/2003	8/19/2003	9/25/2003	9/25/2003	9/25/2003	9/29/2003	9/29/2003	8/20/2003	9/23/2003	9/19/2003	9/18/2003	9/25/2003	8/20/2003
Sample Depth:	IDCL	RDCL h	10-12 ft BGS	26-28 ft BGS	18-20 ft BGS	10-12 ft BGS	26-28 ft BGS	12-14 ft BGS	26-28 ft BGS	26-28 ft BGS Duplicate	14-16 ft BGS	18-20 ft BGS	10-12 ft BGS	14-16 ft BGS	14-16 ft BGS Duplicate	20-22 ft BGS	12-14 ft BGS	28-30 ft BGS	26-28 ft BGS	24-26 ft BGS	16-18 ft BGS	14-16 ft BGS	16-18 ft BGS	12-14 ft BGS
	-	Ü								Duplicate					2 apricate									
Volatile Organic Compounds (mg/kg) 1,1,1,2-Tetrachloroethane	0.85	0.053	ND (0.0056)	ND (0.0069)	ND (0.059)	ND (0.55)	ND (0.009) UJ	ND (0.066)	ND (0.0066)	ND (0.007)	ND (0.061)	ND (0.096)	ND (0.0051) UJ	ND (0.0054) UJ	ND (0.0057) UJ	ND (0.004) UJ	ND (0.056)	ND (0.070)	ND (0.007) UJ	ND (1.1)	ND (0.053)	ND (0.056)	ND (0.050)	ND (0.049)
1,1,1-Trichloroethane	280	1.9	ND (0.0056)	ND (0.0069)	ND (0.059)	ND (0.55)	ND (0.009)	ND (0.066)	ND (0.0066)	ND (0.007)	ND (0.061)	ND (0.096)	ND (0.0051)	ND (0.0054)	ND (0.0057)	ND (0.004)	ND (0.056)	ND (0.070)	ND (0.007)	ND (1.1)	ND (0.053)	ND (0.056)	ND (0.050)	ND (0.049)
1,1,2,2-Tetrachloroethane 1,1,2-Trichloroethane	0.11	0.007	ND (0.0056) ND (0.0056)	ND (0.0069) ND (0.0069)	ND (0.059) ND (0.059)	ND (0.55) ND (0.55)	ND (0.009) ND (0.009)	ND (0.066) ND (0.066)	ND (0.0066) ND (0.0066)	ND (0.007) ND (0.007)	ND (0.061) ND (0.061)	ND (0.096) ND (0.096)	ND (0.0051) ND (0.0051)	ND (0.0054) ND (0.0054)	ND (0.0057) ND (0.0057)	ND (0.004) ND (0.004)	ND (0.056) ND (0.056)	ND (0.070) ND (0.070)	ND (0.007) ND (0.007)	ND (1.1) ND (1.1)	ND (0.053) ND (0.053)	ND (0.056) ND (0.056)	ND (0.050) ND (0.050)	ND (0.049) ND (0.049)
1,1,2-1 richloroethane 1,1-Dichloroethane	0.3 58	5.6	ND (0.0056)	ND (0.0069) ND (0.0069)	0.015 I	ND (0.55)	ND (0.009) ND (0.009)	ND (0.066)	ND (0.0066)	ND (0.007) ND (0.007)	ND (0.061) ND (0.061)	ND (0.096) ND (0.096)	ND (0.0051) ND (0.0051)	ND (0.0054) ND (0.0054)	ND (0.0057) ND (0.0057)	ND (0.004) ND (0.004)	ND (0.056) ND (0.056)	ND (0.070) ND (0.070)	ND (0.007) ND (0.007)	ND (1.1) ND (1.1)	ND (0.053) ND (0.053)	ND (0.056) ND (0.056)	ND (0.050) ND (0.050)	ND (0.049) ND (0.049)
1,1-Dichloroethene	42	0.058	ND (0.0056)	ND (0.0069)	0.075 ^b	ND (0.55)	ND (0.009)	ND (0.066)	ND (0.0066)	ND (0.007)	ND (0.061)	0.025 J	ND (0.0051)	ND (0.0054)	ND (0.0057)	ND (0.004)	ND (0.056)	ND (0.070)	ND (0.007)	ND (1.1)	ND (0.053)	ND (0.056)	ND (0.050)	ND (0.049)
1,1-Dichloropropene	*	*	ND (0.0056)	ND (0.0069)	ND (0.059)	ND (0.55)	ND (0.009)	ND (0.066) UJ	ND (0.0066)	ND (0.007)	ND (0.061)	ND (0.096)	ND (0.0051)	ND (0.0054)	ND (0.0057)	ND (0.004)	ND (0.056) UJ	ND (0.070) UJ	ND (0.007)	ND (1.1)	ND (0.053)	ND (0.056)	ND (0.050)	ND (0.049)
1,2,3-Trichlorobenzene 1,2,3-Trichloropropane	*	*	ND (0.023) ND (0.0056)	ND (0.028) ND (0.0069)	ND (0.24) ND (0.059)	ND (2.2) ND (0.55)	ND (0.036) ND (0.009)	ND (0.27) UJ ND (0.066)	ND (0.027) ND (0.0066)	ND (0.028) ND (0.007)	ND (0.25) ND (0.061)	ND (0.39) ND (0.096)	ND (0.021) ND (0.0051)	ND (0.022) ND (0.0054)	ND (0.023) ND (0.0057)	ND (0.016) ND (0.004)	ND (0.23) UJ ND (0.056)	ND (0.28) UJ ND (0.070)	ND (0.028) ND (0.007)	ND (4.1) ND (1.1)	ND (0.22) ND (0.053)	ND (0.23) ND (0.056)	ND (0.20) ND (0.050)	ND (0.20) ND (0.049)
1,2,4-Trichlorobenzene	77	5.3	ND (0.0036) ND (0.023)	ND (0.0089) ND (0.028)	ND (0.039) ND (0.24)	ND (0.55) ND (2.2)	ND (0.036)	ND (0.000)	ND (0.006)	ND (0.007) ND (0.028)	ND (0.061) ND (0.25)	ND (0.096) ND (0.39)	ND (0.0031) ND (0.021)	ND (0.0034)	ND (0.0037) ND (0.023)	ND (0.004) ND (0.016)	ND (0.036)	ND (0.070) ND (0.28)	ND (0.028)	ND (4.1)	ND (0.033)	ND (0.036)	ND (0.030) ND (0.20)	ND (0.049) ND (0.20) UJ
1,2,4-Trimethylbenzene	170	2.5	0.002 J	ND (0.028)	1.0	ND (2.2)	0.0032 J	13 J ^b	ND (0.027)	ND (0.028)	3.5 ^b	ND (0.39)	ND (0.021)	ND (0.022)	ND (0.023)	ND (0.016)	ND (0.23) UJ	ND (0.28) UJ	ND (0.028)	ND (4.1)	ND (0.22)	0.044 J	ND (0.20)	ND (0.20)
1,2-Dibromo-3-chloropropane (DBCP)	*	*	ND (0.023)	ND (0.028)	ND (0.24)	ND (2.2)	ND (0.036)	ND (0.27)	ND (0.027)	ND (0.028)	ND (0.25)	ND (0.39)	ND (0.021)	ND (0.022)	ND (0.023)	ND (0.016)	ND (0.23)	ND (0.28)	ND (0.028)	ND (4.1)	ND (0.22)	ND (0.23)	ND (0.20)	ND (0.20) UJ
1,2-Dibromoethane (Ethylene Dibromic 1,2-Dichlorobenzene	i *	17	ND (0.023) ND (0.0056)	ND (0.028) ND (0.0069)	ND (0.24) ND (0.059)	ND (2.2) ND (0.55)	ND (0.036) ND (0.009)	ND (0.27) ND (0.066)	ND (0.027) ND (0.0066)	ND (0.028) ND (0.007)	ND (0.25) ND (0.061)	ND (0.39) ND (0.096)	ND (0.021) ND (0.0051)	ND (0.022) ND (0.0054)	ND (0.023) ND (0.0057)	ND (0.016) ND (0.004)	ND (0.23) ND (0.056)	ND (0.28) ND (0.070)	ND (0.028) ND (0.007)	ND (4.1) ND (1.1)	ND (0.22) ND (0.053)	ND (0.23) ND (0.056)	ND (0.20) ND (0.050)	ND (0.20) ND (0.049)
1,2-Dichloroethane	0.15	0.024	ND (0.0056)	ND (0.0069)	ND (0.059)	ND (0.55)	ND (0.009)	ND (0.066)	ND (0.0066)	ND (0.007)	ND (0.061)	ND (0.096)	ND (0.0051)	ND (0.0054)	ND (0.0057)	ND (0.004)	ND (0.056)	ND (0.070)	ND (0.007)	ND (1.1)	ND (0.053)	ND (0.056)	ND (0.050)	ND (0.049)
1,2-Dichloropropane	0.25	0.03	ND (0.0056)	ND (0.0069)	ND (0.059)	ND (0.55)	ND (0.009)	ND (0.066)	ND (0.0066)	ND (0.007)	ND (0.061)	ND (0.096)	ND (0.0051)	ND (0.0054)	ND (0.0057)	ND (0.004)	ND (0.056)	ND (0.070)	ND (0.007)	ND (1.1)	ND (0.053)	ND (0.056)	ND (0.050)	ND (0.049)
1,3,5-Trimethylbenzene	68	0.61	ND (0.023)	ND (0.028)	0.20 J	ND (2.2)	ND (0.036)	4.6 J ^b	ND (0.027)	ND (0.028)	1.5 ^b	ND (0.39)	ND (0.021)	ND (0.022)	ND (0.023)	ND (0.016)	ND (0.23) UJ	ND (0.28) UJ	ND (0.028)	ND (4.1)	ND (0.22)	0.027 J	ND (0.20)	ND (0.20)
1,3-Dichlorobenzene 1,3-Dichloropropane	2.7	0.2	ND (0.0056) ND (0.0056)	ND (0.0069) ND (0.0069)	ND (0.059) ND (0.059)	ND (0.55) ND (0.55)	ND (0.009) ND (0.009)	ND (0.066) ND (0.066)	ND (0.0066) ND (0.0066)	ND (0.007) ND (0.007)	ND (0.061) ND (0.061)	ND (0.096) ND (0.096)	ND (0.0051) ND (0.0051)	ND (0.0054) ND (0.0054)	ND (0.0057) ND (0.0057)	ND (0.004) ND (0.004)	ND (0.056) ND (0.056)	ND (0.070) ND (0.070)	ND (0.007) ND (0.007)	ND (1.1) ND (1.1)	ND (0.053) ND (0.053)	ND (0.056) ND (0.056)	ND (0.050) ND (0.050)	ND (0.049) ND (0.049)
1,4-Dichlorobenzene	3.4	2.2	ND (0.0056)	ND (0.0069)	ND (0.059)	ND (0.55)	ND (0.009)	ND (0.066)	ND (0.0066)	ND (0.007)	ND (0.061)	ND (0.096)	ND (0.0051)	ND (0.0054)	ND (0.0057)	ND (0.004)	ND (0.056)	ND (0.070)	ND (0.007)	ND (1.1)	ND (0.053)	ND (0.056)	ND (0.050)	ND (0.049)
2,2-Dichloropropane	*	*	ND (0.0056)	ND (0.0069)	ND (0.059)	ND (0.55)	ND (0.009)	ND (0.066)	ND (0.0066)	ND (0.007)	ND (0.061)	ND (0.096)	ND (0.0051)	ND (0.0054)	ND (0.0057)	ND (0.004)	ND (0.056)	ND (0.070)	ND (0.007)	ND (1.1)	ND (0.053)	ND (0.056)	ND (0.050)	ND (0.049) UJ
2-Butanone (Methyl Ethyl Ketone) 2-Chlorotoluene	250	35	ND (0.023) ND (0.023)	ND (0.028) ND (0.028)	ND (2.4) ND (0.24)	ND (22) ND (2.2)	ND (0.036) ND (0.036)	ND (2.7) UJ ND (0.27)	ND (0.027) ND (0.027)	ND (0.028) ND (0.028)	ND (2.5) ND (0.25)	ND (3.9) ND (0.39)	ND (0.021) ND (0.021)	ND (0.022) ND (0.022)	ND (0.023) ND (0.023)	ND (0.016) ND (0.016)	ND (2.3) UJ ND (0.23)	ND (2.8) UJ ND (0.28)	ND (0.028) ND (0.028)	ND (41) ND (4.1)	ND (2.2) ND (0.22)	ND (2.3) ND (0.23)	ND (2.0) ND (0.20)	ND (2.0) ND (0.20)
2-Hexanone	*	*	ND (0.023)	ND (0.028)	ND (2.4) UI	ND (22)	ND (0.036)	ND (2.7) UI	ND (0.027)	ND (0.028)	ND (2.5) UJ	ND (3.9) UI	ND (0.021)	ND (0.022)	ND (0.023)	ND (0.016)	ND (2.3) UI	ND (2.8) UJ	ND (0.028)	ND (4.1)	ND (0.22) ND (2.2) UJ	ND (2.3) UI	ND (2.0) UI	ND (2.0) UJ
2-Phenylbutane (sec-Butylbenzene)	*	*	0.00094 J	ND (0.028)	ND (0.24)	ND (2.2)	ND (0.036)	6.0 Ĵ	ND (0.027)	ND (0.028)	1.6	ND (0.39)	ND (0.021)	0.0043 J	0.0045 J	ND (0.016)	ND (0.23) UJ	ND (0.28) ÚJ	ND (0.028)	ND (4.1)	ND (0.22)	0.45	ND (0.20)	ND (0.20)
4-Chlorotoluene 4-Methyl-2-Pentanone	*	*	ND (0.023)	ND (0.028)	ND (0.24)	ND (2.2)	ND (0.036)	ND (0.27)	ND (0.027)	ND (0.028)	ND (0.25)	ND (0.39)	ND (0.021)	ND (0.022)	ND (0.023)	ND (0.016)	ND (0.23)	ND (0.28)	ND (0.028)	ND (4.1)	ND (0.22)	ND (0.23)	ND (0.20)	ND (0.20)
(Methyl Isobutyl Ketone)	75	20	ND (0.023)	ND (0.028)	ND (2.4)	ND (22)	ND (0.036)	ND (2.7) UI	ND (0.027)	ND (0.028)	ND (2.5)	ND (3.9)	ND (0.021)	ND (0.022)	ND (0.023)	ND (0.016)	ND (2.3) UJ	ND (2.8) UJ	ND (0.028)	ND (41)	ND (2.2)	ND (2.3)	ND (2.0)	ND (2.0)
Acetone	370	3.8	ND (0.056)	ND (0.069)	2.5	4.1 J ^b	ND (0.09) UJ	ND (2.7)	ND (0.066)	ND (0.07)	ND (2.5)	ND (3.9)	ND (0.051) UJ	ND (0.054) UJ	ND (0.057) UJ	0.034 UJ	ND (2.3)	ND (2.8)	ND (0.07) UJ	ND (41)	ND (2.2)	ND (2.3)	ND (2.0)	ND (2.0)
Benzene	0.35	0.034	0.0024 J	ND (0.0069) UJ	ND (0.059)	ND (0.55)	ND (0.009)	ND (0.066)	ND (0.0066) UJ	ND (0.007) UJ	ND (0.061)	0.057 J ^b	ND (0.0051)	ND (0.0054)	ND (0.0057)	ND (0.004)	ND (0.056)	ND (0.070)	ND (0.007)	ND (1.1)	ND (0.053)	ND (0.056)	ND (0.050)	ND (0.049)
Bromobenzene	0.51	* 0.51	ND (0.0056) UJ ND (0.0056)	ND (0.0069) UJ	ND (0.24)	ND (2.2)	ND (0.009)	ND (0.27)	ND (0.0066) UJ	ND (0.007) UJ ND (0.007)	ND (0.25)	ND (0.39)	ND (0.0051)	ND (0.0054)	ND (0.0057)	ND (0.004)	ND (0.23)	ND (0.28)	ND (0.007)	ND (4.1)	ND (0.22)	ND (0.23)	ND (0.20)	ND (0.20)
Bromodichloromethane Bromoform	2.7	0.51	ND (0.0056)	ND (0.0069) ND (0.0069)	ND (0.059) ND (0.059)	ND (0.55) ND (0.55)	ND (0.009) ND (0.009) UI	ND (0.066) ND (0.066)	ND (0.0066) ND (0.0066)	ND (0.007) ND (0.007)	ND (0.061) ND (0.061)	ND (0.096) ND (0.096)	ND (0.0051) ND (0.0051) UJ	ND (0.0054) ND (0.0054) UI	ND (0.0057) ND (0.0057) UI	ND (0.004) ND (0.004) UI	ND (0.056) ND (0.056)	ND (0.070) ND (0.070)	ND (0.007) ND (0.007) UJ	ND (1.1) ND (1.1)	ND (0.053) ND (0.053) UJ	ND (0.056) ND (0.056)	ND (0.050) ND (0.050)	ND (0.049) ND (0.049)
Bromomethane (Methyl Bromide)	0.7	0.052	ND (0.0056) UJ	ND (0.0069) UJ	ND (0.059) UJ	ND (0.55)	ND (0.009) UJ	ND (0.066)	ND (0.0066) UJ	ND (0.007) UJ	ND (0.061) UJ	ND (0.096) UJ	ND (0.0051) UJ	ND (0.0054) UJ	ND (0.0057) UJ	ND (0.004) UJ	ND (0.056)	ND (0.070)	ND (0.007) UJ	ND (1.1) UJ	ND (0.053)	ND (0.056) UJ	ND (0.050)	ND (0.049) UJ
Carbon disulfide	82	10	ND (0.0056)	ND (0.0069)	ND (0.059)	ND (0.55)	ND (0.009)	ND (0.066)	ND (0.0066)	ND (0.007)	ND (0.061)	ND (0.096)	ND (0.0051)	ND (0.0054)	ND (0.0057)	ND (0.004)	ND (0.056)	ND (0.070)	ND (0.007)	ND (1.1)	ND (0.053)	ND (0.056)	ND (0.050)	ND (0.049) UJ
Carbon tetrachloride Chlorobenzene	0.29 27	0.066 1.3	ND (0.0056) ND (0.0056)	ND (0.0069) ND (0.0069)	ND (0.059) 0.039 I	ND (0.55) ND (0.55)	ND (0.009) ND (0.009)	ND (0.066) ND (0.066)	ND (0.0066) ND (0.0066)	ND (0.007) ND (0.007)	ND (0.061) ND (0.061)	ND (0.096) ND (0.096)	ND (0.0051) ND (0.0051)	ND (0.0054) ND (0.0054)	ND (0.0057) ND (0.0057)	ND (0.004) ND (0.004)	ND (0.056) ND (0.056)	ND (0.070) ND (0.070)	ND (0.007) ND (0.007)	ND (1.1) ND (1.1)	ND (0.053) ND (0.053)	ND (0.056) ND (0.056)	ND (0.050) ND (0.050)	ND (0.049) ND (0.049)
Chlorobromomethane	*	*	ND (0.0056)	ND (0.0069)	ND (0.059)	ND (0.55)	ND (0.009)	ND (0.066)	ND (0.0066)	ND (0.007)	ND (0.061)	ND (0.096)	ND (0.0051)	ND (0.0054)	ND (0.0057)	ND (0.004)	ND (0.056)	ND (0.070)	ND (0.007)	ND (1.1)	ND (0.053)	ND (0.056)	ND (0.050)	ND (0.049)
Chloroethane	10	0.65	0.0021 J	ND (0.0069) UJ	ND (0.059)	ND (0.55) UJ	ND (0.009)	ND (0.066)	ND (0.0066)	ND (0.007)	ND (0.061)	ND (0.096)	ND (0.0051)	ND (0.0054)	ND (0.0057)	ND (0.004)	ND (0.056)	ND (0.070)	ND (0.007)	ND (1.1)	ND (0.053)	ND (0.056)	ND (0.050)	ND (0.049) UJ
Chloroform (Trichloromethane) Chloromethane (Methyl Chloride)	1.2	0.47	ND (0.0056) ND (0.0056)	ND (0.0069) ND (0.0069)	ND (0.059) ND (0.059)	ND (0.55) ND (0.55)	ND (0.009) ND (0.009)	ND (0.066) ND (0.066)	ND (0.0066) ND (0.0066)	ND (0.007) ND (0.007)	ND (0.061) ND (0.061)	ND (0.096) ND (0.096)	ND (0.0051) ND (0.0051)	ND (0.0054) ND (0.0054)	ND (0.0057) ND (0.0057)	ND (0.004) ND (0.004)	ND (0.056) ND (0.056)	ND (0.070) ND (0.070)	ND (0.007) ND (0.007)	ND (1.1) ND (1.1)	ND (0.053) ND (0.053)	ND (0.056) ND (0.056)	ND (0.050) ND (0.050)	ND (0.049) ND (0.049)
cis-1,2-Dichloroethene	5.8	0.4	0.3	0.14	26 ^{ab}	0.44 J ^b	0.16	ND (0.066)	0.03	0.13	ND (0.061)	3.8 ^b	0.17	ND (0.0054)	ND (0.0057)	0.024	0.11	0.13	0.058	ND (1.1)	0.023 J	ND (0.056)	0.29	1.1 ^b
cis-1,3-Dichloropropene	*	*	ND (0.0056)	ND (0.0069)	ND (0.059)	ND (0.55)	ND (0.009)	ND (0.066) UJ	ND (0.0066)	ND (0.007)	ND (0.061)	ND (0.096)	ND (0.0051)	ND (0.0054)	ND (0.0057)	ND (0.004)	ND (0.056) UJ	ND (0.070) UJ	ND (0.007)	ND (1.1)	ND (0.053)	ND (0.056)	ND (0.050)	ND (0.049)
Cymene (p-Isopropyltoluene) Dibromochloromethane	*	*	0.0012 J ND (0.0056)	ND (0.028) ND (0.0069)	ND (0.24) ND (0.059)	ND (2.2) ND (0.55)	ND (0.036) ND (0.009)	1.5 J ND (0.066)	ND (0.027) ND (0.0066)	ND (0.028) ND (0.007)	0.80 ND (0.061)	ND (0.39) ND (0.096)	ND (0.021) ND (0.0051)	ND (0.022) ND (0.0054)	ND (0.023) ND (0.0057)	ND (0.016) ND (0.004)	ND (0.23) UJ ND (0.056)	ND (0.28) UJ ND (0.070)	ND (0.028) ND (0.007)	ND (4.1) ND (1.1)	ND (0.22) ND (0.053)	0.28 ND (0.056)	ND (0.20) ND (0.050)	ND (0.20) ND (0.049)
Dibromochloromethane Dibromomethane	*	*	ND (0.0056) ND (0.0056)	ND (0.0069) ND (0.0069)	ND (0.059) ND (0.059)	ND (0.55) ND (0.55)	ND (0.009) ND (0.009)	ND (0.066) ND (0.066)	ND (0.0066)	ND (0.007) ND (0.007)	ND (0.061) ND (0.061)	ND (0.096) ND (0.096)	ND (0.0051) ND (0.0051)	ND (0.0054) ND (0.0054)	ND (0.0057) ND (0.0057)	ND (0.004) ND (0.004)	ND (0.056) ND (0.056)	ND (0.070) ND (0.070)	ND (0.007) ND (0.007)	ND (1.1) ND (1.1)	ND (0.053) ND (0.053)	ND (0.056) ND (0.056)	ND (0.050) ND (0.050)	ND (0.049) ND (0.049)
Dichlorodifluoromethane (CFC-12)	*	*	ND (0.0056)	ND (0.0069)	ND (0.059)	ND (0.55)	ND (0.009)	ND (0.066) UJ	ND (0.0066)	ND (0.007)	ND (0.061)	ND (0.096)	ND (0.0051)	ND (0.0054)	ND (0.0057)	ND (0.004)	ND (0.056)	ND (0.070)	ND (0.007)	ND (1.1)	ND (0.053)	ND (0.056)	ND (0.050)	ND (0.049)
Ethylbenzene	160 44	13	ND (0.0056)	ND (0.0069)	0.30 ND (0.24)	ND (0.55)	ND (0.009)	0.74	ND (0.0066)	ND (0.007)	0.10	ND (0.096)	ND (0.0051)	ND (0.0054)	ND (0.0057)	ND (0.004)	ND (0.056) UJ	ND (0.070) UJ	ND (0.007)	ND (1.1)	ND (0.053)	ND (0.056)	ND (0.050)	ND (0.049)
Hexachlorobutadiene Isopropylbenzene	*	*	ND (0.023) ND (0.023)	ND (0.028) ND (0.028)	0.13 I	ND (2.2) ND (2.2)	ND (0.036) ND (0.036)	ND (0.27) 1.6 J	ND (0.027) ND (0.027)	ND (0.028) ND (0.028)	ND (0.25) 0.40	ND (0.39) ND (0.39)	ND (0.021) ND (0.021)	ND (0.022) ND (0.022)	ND (0.023) ND (0.023)	ND (0.016) ND (0.016)	ND (0.23) ND (0.23) UJ	ND (0.28) ND (0.28) UJ	ND (0.028) ND (0.028)	ND (4.1) ND (4.1)	ND (0.22) ND (0.22)	ND (0.23) 0.037 I	ND (0.20) ND (0.20)	ND (0.20) ND (0.20)
m&p-Xylene	*	*	ND (0.0056) UJ	ND (0.0069) UJ	0.33	ND (0.55)	0.003 J	0.69 J	ND (0.0066) UJ	ND (0.007) UJ	0.17	ND (0.096)	ND (0.0051) UJ	ND (0.0054) UJ	ND (0.0057) UJ	ND (0.004) UJ	ND (0.056) UJ	ND (0.070) UJ	ND (0.007) UJ	ND (1.1)	ND (0.053)	ND (0.056)	ND (0.050)	ND (0.049)
Methylene chloride	1.8	0.023	ND (0.012)	0.0034 J	ND (0.24)	ND (2.2)	ND (0.018)	ND (0.27)	ND (0.014)	ND (0.014)	ND (0.25)	ND (0.39)	ND (0.011)	ND (0.011)	ND (0.012)	ND (0.008)	ND (0.23)	0.028 J ^b	ND (0.014)	ND (4.1)	ND (0.22)	ND (0.23)	ND (0.20)	ND (0.20)
Naphthalene	170	0.7	ND (0.023)	ND (0.028)	0.96 J ^b	ND (2.2)	ND (0.036)	19 J ^b	ND (0.027)	ND (0.028)	1.4 J ^b	ND (0.39) UJ	ND (0.021)	ND (0.022)	ND (0.023)	ND (0.016)	ND (0.23) UJ	ND (0.28) UJ	ND (0.028)	ND (4.1) UJ	ND (0.22) UJ	0.37 UJ	ND (0.20) UJ	ND (0.20) UJ
n-Butylbenzene n-Propylbenzene	*	*	ND (0.023) ND (0.023) UI	ND (0.028) ND (0.028) UJ	ND (0.24) 0.15 J	ND (2.2) ND (2.2)	ND (0.036) ND (0.036)	7.6 J 3.0 I	ND (0.027) ND (0.027) UI	ND (0.028) ND (0.028) UJ	3.3 1.0	ND (0.39) ND (0.39)	ND (0.021) ND (0.021)	ND (0.022) ND (0.022)	ND (0.023) ND (0.023)	ND (0.016) ND (0.016)	ND (0.23) UJ ND (0.23) UI	ND (0.28) UJ ND (0.28) UJ	ND (0.028) ND (0.028)	ND (4.1) ND (4.1)	ND (0.22) ND (0.22)	1.1 0.060 I	ND (0.20) ND (0.20)	ND (0.20) ND (0.20)
o-Xylene	*	*	0.0013 J	ND (0.0069)	0.20	ND (0.55)	ND (0.009) UJ	0.076 J	ND (0.0066)	ND (0.007)	0.15	ND (0.096)	ND (0.0051) UJ	ND (0.0054) UJ	ND (0.0057) UJ	ND (0.004) UJ	ND (0.056) UJ	ND (0.070) UJ	ND (0.007) UJ	ND (1.1)	ND (0.053)	ND (0.056)	ND (0.050)	ND (0.049)
Styrene	550	3.5	ND (0.0056)	ND (0.0069)	ND (0.059) UJ	ND (0.55)	ND (0.009) UJ	0.026 J	ND (0.0066)	ND (0.007)	ND (0.061) UJ	ND (0.096) UJ	ND (0.0051) UJ	ND (0.0054) UJ	ND (0.0057) UJ	ND (0.004) UJ	ND (0.056) UJ	ND (0.070) UJ	ND (0.007) UJ	ND (1.1) UJ	ND (0.053) UJ	ND (0.056) UJ	ND (0.050) UJ	0.013 J
tert-Butylbenzene	*	*	ND (0.023)	ND (0.028)	ND (0.24)	ND (2.2) 67 ^{ab}	ND (0.036)	ND (0.27) UJ	ND (0.027)	ND (0.028)	0.041 J	ND (0.39)	ND (0.021)	ND (0.022)	ND (0.023)	ND (0.016)	ND (0.23) UJ 8.9 ^{ab}	ND (0.28) UJ 33 ^{ab}	ND (0.028)	ND (4.1) 550 ^{ab}	ND (0.22)	ND (0.23)	ND (0.20)	ND (0.20)
Tetrachloroethene Toluene	0.64 240	0.058 12	0.011 0.0014 J	0.012 ND (0.0069)	ND (0.059) 0.20	67 ND (0.55)	1.7 ^{ab} 0.051	0.018 J 0.069	0.02 ND (0.0066)	0.06 ^b ND (0.007)	0.044 J ND (0.061)	ND (0.096) ND (0.096)	0.11 ^b ND (0.0051)	ND (0.0054) ND (0.0054)	ND (0.0057) ND (0.0057)	ND (0.004) ND (0.004)	8.9 ND (0.056)	ND (0.070)	2.5 ^{ab} ND (0.007)	ND (1.1)	23 ^{ab} ND (0.053)	ND (0.056) ND (0.056)	0.040 J ND (0.050)	ND (0.049) ND (0.049)
trans-1,2-Dichloroethene	14	0.68	0.0022 J	ND (0.0069)	0.099	ND (0.55)	ND (0.009)	ND (0.066)	ND (0.0066)	ND (0.007)	ND (0.061)	0.054 J	0.0028 J	ND (0.0054)	ND (0.0057)	ND (0.004)	ND (0.056)	ND (0.070)	ND (0.007)	ND (1.1)	ND (0.053)	ND (0.056)	ND (0.050)	0.019 J
trans-1,3-Dichloropropene	*	*	ND (0.0056)	ND (0.0069)	ND (0.059)	ND (0.55)	ND (0.009)	ND (0.066) UJ	ND (0.0066)	ND (0.007)	ND (0.061)	ND (0.096)	ND (0.0051)	ND (0.0054)	ND (0.0057)	ND (0.004)	ND (0.056) UJ	ND (0.070) UJ	ND (0.007)	ND (1.1)	ND (0.053)	ND (0.056)	ND (0.050)	ND (0.049) UJ
Trichloroethene Trichlorofluoromethane (CFC-11)	0.082	0.057	0.021 ND (0.0056)	0.067 ^b ND (0.0069) UJ	ND (0.059) ND (0.059)	320 ^{ab} ND (0.55)	0.96 ^{ab} ND (0.009)	ND (0.066) ND (0.066)	0.023 ND (0.0066)	0.078 ^b ND (0.007)	ND (0.061) ND (0.061)	40 ^{ab} ND (0.096)	0.64 ^{ab} ND (0.0051)	ND (0.0054) ND (0.0054)	ND (0.0057) ND (0.0057)	0.0021 J ND (0.004)	0.28 ^{ab} ND (0.056)	0.50 ^{ab} ND (0.070)	0.2 ^{ab} ND (0.007)	1.2 ^{ab} ND (1.1)	0.24 ^{ab} ND (0.053)	ND (0.056) ND (0.056)	37 ^{ab} ND (0.050)	21 ^{ab} ND (0.049)
Vinyl chloride	0.013	0.013	ND (0.0056) 0.014 ^{ab}	ND (0.0069) UJ ND (0.0069)	ND (0.059) 3.2 ^{ab}	ND (0.55) ND (0.55)	ND (0.009) ND (0.009)	ND (0.066) ND (0.066)	ND (0.0066)	ND (0.007) ND (0.007)	ND (0.061) 0.064 ^{ab}	0.12 ^{ab}	0.0031 J	ND (0.0054) ND (0.0054)	ND (0.0057) ND (0.0057)	0.31 ^{ab}	ND (0.056) ND (0.056)	ND (0.070) ND (0.070)	ND (0.007) ND (0.007)	ND (1.1) ND (1.1)	ND (0.053) ND (0.053)	ND (0.056) ND (0.056)	ND (0.050) ND (0.050)	ND (0.049) 0.024 J ^{ab}
·, · Cinoriac	0.013	0.013	0.014	1412 (0.0009)	5.2	1412 (0.55)	112 (0.005)	1412 (0.000)	. (0.0000)	.10 (0.007)	0.001	0.12	0.0057 j	.10 (0.0004)	.40 (0.0007)	0.51	1412 (0.000)	.10 (0.070)	.42 (0.007)	(1.1)	.40 (0.000)	.40 (0.000)	. 10 (0.000)	0.024)

TABLE 4.26 Page 2 of 2

SUMMARY OF INTERMEDIATE SUBSURFACE SOIL VOC ANALYTICAL DATA - SWMU 11/AOC 2 RADIO MATERIALS CORPORATION ATTICA, INDIANA

Sample Location:			B-1115	B-1116	B-1116	B-1116	B-1116	B-1117	B-1118	B-1119	B-1121	B-1124	B-1124	B-1126	B-1127	B-1129	B-1130	B-1133	B-1134	B-1136	B-1137	B-1137	B-1138	B-1138
Sample ID: Sample Date:	IDEM RISC	I IDEM RISC	S-082003-MG-089 8/20/2003	S-092903-MG-345 9/29/2003	S-092903-MG-346 9/29/2003	S-092903-MG-347 9/29/2003	S-092903-MG-348 9/29/2003	S-092303-MG-330 9/23/2003	S-092603-MG-340 9/26/2003	S-090904-MG-101 9/9/2004	S-090804-MG-095 9/8/2004	5 S-090704-MG-088 9/7/2004	S-090704-MG-089 9/7/2004	S-090104-MG-084 9/1/2004	S-090104-MG-082 9/1/2004	S-090904-MG-103 9/9/2004	S-083104-MG-079 8/31/2004	S-070505-TP-162 7/5/2005	S-070605-TP-164 7/6/2005	S-071105-TP-172 7/11/2005	S-071405-TP-182 7/14/2005	S-071405-TP-183 7/14/2005	S-071405-TP-185 7/14/2005	S-071405-TP-186 7/14/2005
Sample Depth:	IDCL	RDCL b	24-26 ft BGS	10-12 ft BGS	10-12 ft BGS Duplicate	16-18 ft BGS	26-28 ft BGS	22-24 ft BGS	16-18 ft BGS	14-16 ft BGS	16-18 ft BGS	18-20 ft BGS	18-20 ft BGS Duplicate	10-12 ft BGS	20-22 ft BGS	18-20 ft BGS	12-14 ft BGS	12-14 ft BGS	21-23 ft BGS	14-16 ft BGS	10-12 ft BGS	18-20 ft BGS	14-16 ft BGS	14-16 ft BGS Duplicate
Volatile Organic Compounds (mg/kg)		Ü			Dupmente								Dapatente											Supricuit
1,1,1,2-Tetrachloroethane	0.85	0.053	ND (0.0054)	ND (0.058)	ND (0.055)	ND (0.052)	ND (0.065)	ND (2.6)	ND (0.0051)	ND (0.0042)	ND (0.0048)	ND (0.0045)	ND (0.0048)	ND (0.0051)	ND (0.0043)	ND (0.0048)	ND (0.005)	ND (0.004)	ND (0.0043) UJ	ND (0.0042)	ND (0.0042)	ND (0.006)	ND (0.0047)	ND (0.0043)
1,1,1-Trichloroethane 1,1,2,2-Tetrachloroethane	280 0.11	1.9 0.007	ND (0.0054) ND (0.0054)	ND (0.058) ND (0.058)	ND (0.055) ND (0.055)	ND (0.052) ND (0.052)	ND (0.065) ND (0.065)	ND (2.6) ND (2.6)	ND (0.0051) ND (0.0051)	ND (0.0042) ND (0.0042)	ND (0.0048) ND (0.0048)	ND (0.0045) ND (0.0045)	ND (0.0048) ND (0.0048)	ND (0.0051) ND (0.0051)	ND (0.0043) ND (0.0043)	ND (0.0048) ND (0.0048)	ND (0.005) ND (0.005)	ND (0.004) ND (0.004)	ND (0.0043) ND (0.0043)	ND (0.0042) ND (0.0042)	ND (0.0042) ND (0.0042)	ND (0.006) ND (0.006)	ND (0.0047) ND (0.0047)	ND (0.0043) ND (0.0043)
1,1,2-Trichloroethane	0.3	0.03	ND (0.0054)	ND (0.058)	ND (0.055)	ND (0.052)	ND (0.065)	ND (2.6)	ND (0.0051)	0.0012 J	ND (0.0048)	0.00084 J	0.00079 J	0.00098 J	ND (0.0043)	ND (0.0048)	ND (0.005)	ND (0.004)	ND (0.0043)	ND (0.0042)	ND (0.0042)	ND (0.006)	ND (0.0047)	ND (0.0043)
1,1-Dichloroethane	58 42	5.6 0.058	ND (0.0054) ND (0.0054)	ND (0.058) ND (0.058)	ND (0.055) ND (0.055)	ND (0.052) ND (0.052)	ND (0.065) ND (0.065)	ND (2.6) ND (2.6)	ND (0.0051) ND (0.0051)	ND (0.0042) 0.0085	ND (0.0048) 0.025	ND (0.0045) 0.0017 I	ND (0.0048) 0.0013 I	ND (0.0051) ND (0.0051)	ND (0.0043) 0.022	ND (0.0048) 0.00096 I	ND (0.005) ND (0.005)	ND (0.004) ND (0.004)	ND (0.0043) ND (0.0043)	ND (0.0042) 0.0011 I	ND (0.0042) ND (0.0042)	ND (0.006) ND (0.006)	ND (0.0047) ND (0.0047)	ND (0.0043) 0.00098 I
1,1-Dichloropropene	*	*	ND (0.0054)	ND (0.058) UJ	ND (0.055) UJ	ND (0.052) UJ	ND (0.065) UJ	ND (2.6)	ND (0.0051)	ND (0.0042)	ND (0.0048)	ND (0.0045)	ND (0.0048)	ND (0.0051)	ND (0.0043)	ND (0.0048)	ND (0.005)	ND (0.004)	ND (0.0043)	ND (0.0042)	ND (0.0042)	ND (0.006)	ND (0.0047)	ND (0.0043)
1,2,3-Trichlorobenzene 1,2,3-Trichloropropane	*	*	ND (0.022) ND (0.0054)	ND (0.23) UJ ND (0.058)	ND (0.22) UJ ND (0.055)	ND (0.21) UJ ND (0.052)	ND (0.26) UJ ND (0.065)	ND (11) ND (2.6)	ND (0.021) ND (0.0051)	ND (0.0042) ND (0.0042)	ND (0.0048) ND (0.0048)	ND (0.0045) ND (0.0045)	ND (0.0048) ND (0.0048)	ND (0.0051) ND (0.0051)	ND (0.0043) ND (0.0043)	ND (0.0048) ND (0.0048)	ND (0.005) ND (0.005)	ND (0.004) ND (0.004)	ND (0.0043) UJ ND (0.0043) UJ	ND (0.0042) ND (0.0042)	ND (0.0042) ND (0.0042)	ND (0.006) ND (0.006)	ND (0.0047) ND (0.0047)	ND (0.0043) ND (0.0043)
1,2,4-Trichlorobenzene	77	5.3	ND (0.0034)	ND (0.23)	ND (0.22)	ND (0.032)	ND (0.26)	ND (11)	ND (0.0031)	ND (0.017)	ND (0.019)	ND (0.018)	ND (0.019)	ND (0.0031)	ND (0.018)	ND (0.0048)	ND (0.003)	ND (0.004)	ND (0.017) UJ	ND (0.017)	ND (0.017)	ND (0.024)	ND (0.019)	ND (0.0043)
1,2,4-Trimethylbenzene	170	2.5	ND (0.022)	ND (0.23) UJ	ND (0.22) UJ	ND (0.21) UJ	ND (0.26) UJ	ND (11)	ND (0.021)	ND (0.017)	ND (0.019)	ND (0.018)	ND (0.019)	ND (0.021)	0.014 J	ND (0.02)	ND (0.02)	ND (0.016)	ND (0.017) UJ	ND (0.017)	ND (0.017)	ND (0.024)	ND (0.019)	ND (0.017)
1,2-Dibromo-3-chloropropane (DBCP) 1,2-Dibromoethane (Ethylene Dibromide	*	*	ND (0.022) ND (0.022)	ND (0.23) ND (0.23)	ND (0.22) ND (0.22)	ND (0.21) ND (0.21)	ND (0.26) ND (0.26)	ND (11) ND (11)	ND (0.021) ND (0.021)	ND (0.017) ND (0.0042)	ND (0.019) ND (0.0048)	ND (0.018) ND (0.0045)	ND (0.019) ND (0.0048)	ND (0.021) ND (0.0051)	ND (0.018) ND (0.0043)	ND (0.02) ND (0.0048)	ND (0.02) ND (0.005)	ND (0.016) ND (0.004)	ND (0.017) UJ ND (0.0043)	ND (0.017) ND (0.0042)	ND (0.017) ND (0.0042)	ND (0.024) ND (0.006)	ND (0.019) ND (0.0047)	ND (0.017) ND (0.0043)
1,2-Dichlorobenzene 1.2-Dichloroethane	220 0.15	17 0.024	ND (0.0054) ND (0.0054)	ND (0.058) ND (0.058)	ND (0.055) ND (0.055)	ND (0.052) ND (0.052)	ND (0.065) ND (0.065)	ND (2.6) ND (2.6)	ND (0.0051) ND (0.0051)	ND (0.0042) ND (0.0042)	ND (0.0048) ND (0.0048)	ND (0.0045) 0.0017 I	ND (0.0048) 0.0012 I	ND (0.0051) ND (0.0051)	ND (0.0043) ND (0.0043)	ND (0.0048) ND (0.0048)	ND (0.005) ND (0.005)	ND (0.004) ND (0.004)	ND (0.0043) UJ ND (0.0043)	ND (0.0042) ND (0.0042)	ND (0.0042) ND (0.0042)	ND (0.006) ND (0.006)	ND (0.0047) ND (0.0047)	ND (0.0043) ND (0.0043)
1,2-Dichloropropane	0.15		ND (0.0054) ND (0.0054)	ND (0.058)	ND (0.055)	ND (0.052) ND (0.052)	ND (0.065)	ND (2.6) ND (2.6)	ND (0.0051) ND (0.0051)	ND (0.0042) ND (0.0042)	ND (0.0048) ND (0.0048)	ND (0.0045)	ND (0.0048)	ND (0.0051) ND (0.0051)	ND (0.0043) ND (0.0043)	ND (0.0048) ND (0.0048)	ND (0.005) ND (0.005)	ND (0.004) ND (0.004)	ND (0.0043) ND (0.0043)	ND (0.0042) ND (0.0042)	ND (0.0042) ND (0.0042)	ND (0.006)	ND (0.0047) ND (0.0047)	ND (0.0043) ND (0.0043)
1,3,5-Trimethylbenzene	68	0.61	ND (0.022)	ND (0.23) UJ	ND (0.22) UJ	ND (0.21) UJ	ND (0.26) UJ	ND (11)	ND (0.021)	ND (0.0042)	ND (0.0048)	ND (0.0045)	ND (0.0048)	ND (0.0051)	0.0056	ND (0.0048)	ND (0.005)	ND (0.004)	ND (0.0043) UJ	ND (0.0042)	ND (0.0042)	ND (0.006)	ND (0.0047)	ND (0.0043)
1,3-Dichlorobenzene 1,3-Dichloropropane	2.7	0.2	ND (0.0054) ND (0.0054)	ND (0.058) ND (0.058)	ND (0.055) ND (0.055)	ND (0.052) ND (0.052)	ND (0.065) ND (0.065)	ND (2.6) ND (2.6)	ND (0.0051) ND (0.0051)	ND (0.0042) ND (0.0042)	ND (0.0048) ND (0.0048)	ND (0.0045) ND (0.0045)	ND (0.0048) ND (0.0048)	ND (0.0051) ND (0.0051)	ND (0.0043) ND (0.0043)	ND (0.0048) ND (0.0048)	ND (0.005) ND (0.005)	ND (0.004) ND (0.004)	ND (0.0043) UJ ND (0.0043)	ND (0.0042) ND (0.0042)	ND (0.0042) ND (0.0042)	ND (0.006) ND (0.006)	ND (0.0047) ND (0.0047)	ND (0.0043) ND (0.0043)
1,4-Dichlorobenzene	3.4	2.2	ND (0.0054)	ND (0.058)	ND (0.055)	ND (0.052)	ND (0.065)	ND (2.6)	ND (0.0051)	ND (0.0042)	ND (0.0048)	ND (0.0045)	ND (0.0048)	ND (0.0051)	0.0063	ND (0.0048)	ND (0.005)	ND (0.004)	ND (0.0043) UJ	ND (0.0042)	ND (0.0042)	ND (0.006)	ND (0.0047)	ND (0.0043)
2,2-Dichloropropane 2-Butanone (Methyl Ethyl Ketone)	250	35	ND (0.0054) ND (0.022)	ND (0.058) ND (2.3) UJ	ND (0.055) ND (2.2) UJ	ND (0.052) ND (2.1) UJ	ND (0.065) ND (2.6) UJ	ND (2.6) ND (110)	ND (0.0051) ND (0.021)	ND (0.0042) ND (0.017) UJ	ND (0.0048) ND (0.019) UJ	ND (0.0045) ND (0.018) UJ	ND (0.0048) ND (0.019) UJ	ND (0.0051) ND (0.021) UJ	ND (0.0043) ND (0.018) UJ	ND (0.0048) ND (0.02) UJ	ND (0.005) ND (0.02) UJ	ND (0.004) ND (0.016) UJ	ND (0.0043) ND (0.017) UJ	ND (0.0042) ND (0.017) UJ	ND (0.0042) ND (0.017) UJ	ND (0.006) ND (0.024) UJ	ND (0.0047) ND (0.019) UJ	ND (0.0043) ND (0.017) UJ
2-Chlorotoluene	*	*	ND (0.022)	ND (0.23)	ND (0.22)	ND (0.21)	ND (0.26)	ND (11)	ND (0.021)	ND (0.017)	ND (0.019)	ND (0.018)	ND (0.019)	ND (0.021)	ND (0.018)	ND (0.02)	ND (0.02)	ND (0.016)	ND (0.017) UJ	ND (0.017)	ND (0.017)	ND (0.024)	ND (0.019)	ND (0.017)
2-Hexanone 2-Phenylbutane (sec-Butylbenzene)	*	*	ND (0.022) ND (0.022)	ND (2.3) UJ ND (0.23) UJ	ND (2.2) UJ ND (0.22) UJ	ND (2.1) UJ ND (0.21) UJ	ND (2.6) UJ ND (0.26) UI	ND (110) UJ ND (11)	ND (0.021) ND (0.021)	ND (0.017) ND (0.017)	ND (0.019) ND (0.019)	ND (0.018) ND (0.018)	ND (0.019) ND (0.019)	ND (0.021) ND (0.021)	ND (0.018) 0.0043 J	ND (0.02) ND (0.02)	ND (0.02) ND (0.02)	ND (0.016) ND (0.016)	ND (0.017) ND (0.017) UJ	ND (0.017) ND (0.017)	ND (0.017) ND (0.017)	ND (0.024) ND (0.024)	ND (0.019) ND (0.019)	ND (0.017) ND (0.017)
4-Chlorotoluene	*	*	ND (0.022)	ND (0.23)	ND (0.22)	ND (0.21)	ND (0.26)	ND (11)	ND (0.021)	ND (0.017)	ND (0.019)	ND (0.018)	ND (0.019)	ND (0.021)	ND (0.018)	ND (0.02)	ND (0.02)	ND (0.016)	ND (0.017) UJ	ND (0.017)	ND (0.017)	ND (0.024)	ND (0.019)	ND (0.017)
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	75	20	ND (0.022)	ND (2.3) UI	ND (2.2) UJ	ND (2.1) UJ	ND (2.6) UJ	ND (110)	ND (0.021)	ND (0.017)	ND (0.019)	ND (0.018)	ND (0.019)	ND (0.021)	ND (0.018)	ND (0.02)	ND (0.02)	ND (0.016)	ND (0.017)	ND (0.017)	ND (0.017)	ND (0.024)	ND (0.019)	ND (0.017)
Acetone	370	3.8	0.013 J	ND (2.3)	ND (2.2)	ND (2.1)	ND (2.6)	ND (110)	ND (0.051)	ND (0.017)	ND (0.019) UJ	ND (0.018)	ND (0.019)	ND (0.021) UJ	ND (0.018) UJ	ND (0.02)	ND (0.02) UJ	ND (0.016)	ND (0.017)	ND (0.017)	ND (0.017)	ND (0.024)	ND (0.019)	ND (0.017)
Benzene	0.35	0.034	ND (0.0054)	ND (0.058)	ND (0.055)	ND (0.052)	ND (0.065)	ND (2.6)	ND (0.0051) UJ	0.0009 J	0.0037 J	0.009	0.0072	ND (0.0051)	ND (0.0043)	ND (0.0048)	ND (0.005)	ND (0.004)	ND (0.0043)	ND (0.0042)	ND (0.0042)	ND (0.006)	ND (0.0047)	ND (0.0043)
Bromobenzene Bromodichloromethane	0.51	0.51	ND (0.0054) ND (0.0054)	ND (0.23) ND (0.058)	ND (0.22) ND (0.055)	ND (0.21) ND (0.052)	ND (0.26) ND (0.065)	ND (11) ND (2.6)	ND (0.0051) UJ ND (0.0051)	ND (0.0042) ND (0.0042)	ND (0.0048) ND (0.0048)	ND (0.0045) ND (0.0045)	ND (0.0048) ND (0.0048)	ND (0.0051) ND (0.0051)	ND (0.0043) ND (0.0043)	ND (0.0048) ND (0.0048)	ND (0.005) ND (0.005)	ND (0.004) ND (0.004)	ND (0.0043) UJ ND (0.0043)	ND (0.0042) ND (0.0042)	ND (0.0042) ND (0.0042)	ND (0.006) ND (0.006)	ND (0.0047) ND (0.0047)	ND (0.0043) ND (0.0043)
Bromoform	2.7	0.6	ND (0.0054)	ND (0.058)	ND (0.055)	ND (0.052)	ND (0.065)	ND (2.6)	ND (0.0051)	ND (0.0042)	ND (0.0048)	ND (0.0045)	ND (0.0048)	ND (0.0051)	ND (0.0043)	ND (0.0048)	ND (0.005)	ND (0.004)	ND (0.0043)	ND (0.0042)	ND (0.0042)	ND (0.006)	ND (0.0047)	ND (0.0043)
Bromomethane (Methyl Bromide) Carbon disulfide	0.7 82	0.052 10	ND (0.0054) ND (0.0054)	ND (0.058) ND (0.058)	ND (0.055) ND (0.055)	ND (0.052) ND (0.052)	ND (0.065) ND (0.065)	ND (2.6) UJ ND (2.6)	ND (0.0051) UJ ND (0.0051)	ND (0.0042) ND (0.0042)	ND (0.0048) ND (0.0048)	ND (0.0045) ND (0.0045)	ND (0.0048) ND (0.0048)	ND (0.0051) ND (0.0051)	ND (0.0043) 0.0029 J	ND (0.0048) ND (0.0048)	ND (0.005) ND (0.005)	ND (0.004) ND (0.004)	ND (0.0043) ND (0.0043)	ND (0.0042) UJ ND (0.0042)	ND (0.0042) UJ ND (0.0042)	ND (0.006) UJ ND (0.006)	ND (0.0047) UJ ND (0.0047)	ND (0.0043) UJ ND (0.0043)
Carbon tetrachloride	0.29		ND (0.0054)	ND (0.058)	ND (0.055)	ND (0.052)	ND (0.065)	ND (2.6)	ND (0.0051)	ND (0.0042)	ND (0.0048)	ND (0.0045)	ND (0.0048)	ND (0.0051)	ND (0.0043)	ND (0.0048)	ND (0.005)	ND (0.004)	ND (0.0043)	ND (0.0042)	ND (0.0042)	ND (0.006)	ND (0.0047)	ND (0.0043)
Chlorobenzene Chlorobromomethane	27	1.3	ND (0.0054) ND (0.0054)	ND (0.058) ND (0.058)	ND (0.055) ND (0.055)	ND (0.052) ND (0.052)	ND (0.065) ND (0.065)	ND (2.6) ND (2.6)	ND (0.0051) ND (0.0051)	ND (0.0042) ND (0.0042)	ND (0.0048) ND (0.0048)	ND (0.0045) ND (0.0045)	ND (0.0048) ND (0.0048)	ND (0.0051) ND (0.0051)	ND (0.0043) ND (0.0043)	ND (0.0048) ND (0.0048)	ND (0.005) ND (0.005)	ND (0.004) ND (0.004)	ND (0.0043) ND (0.0043)	ND (0.0042) ND (0.0042)	ND (0.0042) ND (0.0042)	ND (0.006) ND (0.006)	ND (0.0047) ND (0.0047)	ND (0.0043) ND (0.0043)
Chloroethane	10	0.65	ND (0.0054)	ND (0.058)	ND (0.055)	ND (0.052)	ND (0.065)	ND (2.6)	ND (0.0051)	ND (0.0042)	ND (0.0048)	ND (0.0045)	ND (0.0048)	ND (0.0051)	ND (0.0043)	ND (0.0048)	ND (0.005)	ND (0.004)	ND (0.0043)	ND (0.0042)	ND (0.0042)	ND (0.006)	ND (0.0047)	ND (0.0043)
Chloroform (Trichloromethane) Chloromethane (Methyl Chloride)	1.2	0.47	ND (0.0054) ND (0.0054)	ND (0.058) ND (0.058)	ND (0.055) ND (0.055)	ND (0.052) ND (0.052)	ND (0.065) ND (0.065)	ND (2.6) ND (2.6)	ND (0.0051) ND (0.0051)	ND (0.0042) ND (0.0042)	ND (0.0048) ND (0.0048)	ND (0.0045) ND (0.0045)	ND (0.0048) ND (0.0048)	ND (0.0051) ND (0.0051)	ND (0.0043) ND (0.0043)	ND (0.0048) ND (0.0048)	ND (0.005) ND (0.005)	ND (0.004) ND (0.004)	ND (0.0043) ND (0.0043)	ND (0.0042) ND (0.0042)	ND (0.0042) ND (0.0042)	ND (0.006) ND (0.006)	ND (0.0047) ND (0.0047)	ND (0.0043) ND (0.0043)
cis-1,2-Dichloroethene	5.8	0.4	ND (0.0054)	ND (0.058)	ND (0.055)	0.051 J	ND (0.065)	ND (2.6)	ND (0.0051)	2.6 J ^b	18 ^{ab}	0.57 ^b	0.86 ^b	0.17	0.53 ^b	0.71 J ^b	0.062	ND (0.004)	0.19	0.0011	0.093	0.0085	0.0024 J	0.0035 J
cis-1,3-Dichloropropene Cymene (p-Isopropyltoluene)	*	*	ND (0.0054) ND (0.022)	ND (0.058) UJ ND (0.23) UJ	ND (0.055) UJ ND (0.22) UJ	ND (0.052) UJ ND (0.21) UJ	ND (0.065) UJ ND (0.26) UI	ND (2.6) ND (11)	ND (0.0051) ND (0.021)	ND (0.0042) UJ ND (0.017)	ND (0.0048) ND (0.019)	ND (0.0045) ND (0.018)	ND (0.0048) ND (0.019)	ND (0.0051) ND (0.021)	ND (0.0043) 0.0023 I	ND (0.0048) UJ ND (0.02)	ND (0.005) ND (0.02)	ND (0.004) ND (0.016)	ND (0.0043) ND (0.017) UJ	ND (0.0042) ND (0.017)	ND (0.0042) ND (0.017)	ND (0.006) ND (0.024)	ND (0.0047) ND (0.019)	ND (0.0043) ND (0.017)
Dibromochloromethane	*	*	ND (0.0054)	ND (0.058)	ND (0.055)	ND (0.052)	ND (0.065)	ND (2.6)	ND (0.0051)	ND (0.0042)	ND (0.0048)	ND (0.0045)	ND (0.0048)	ND (0.0051)	ND (0.0043)	ND (0.0048)	ND (0.005)	ND (0.004)	ND (0.0043)	ND (0.0042)	ND (0.0042)	ND (0.006)	ND (0.0047)	ND (0.0043)
Dibromomethane Dichlorodifluoromethane (CFC-12)	*	*	ND (0.0054) ND (0.0054)	ND (0.058) ND (0.058)	ND (0.055) ND (0.055)	ND (0.052) ND (0.052)	ND (0.065) ND (0.065)	ND (2.6) ND (2.6)	ND (0.0051) ND (0.0051)	ND (0.0042) ND (0.0042)	ND (0.0048) ND (0.0048)	ND (0.0045) ND (0.0045)	ND (0.0048) ND (0.0048)	ND (0.0051) ND (0.0051)	ND (0.0043) ND (0.0043)	ND (0.0048) ND (0.0048)	ND (0.005) ND (0.005)	ND (0.004) ND (0.004)	ND (0.0043) ND (0.0043)	ND (0.0042) ND (0.0042)	ND (0.0042) ND (0.0042)	ND (0.006) ND (0.006)	ND (0.0047) ND (0.0047)	ND (0.0043) ND (0.0043)
Ethylbenzene	160	13	ND (0.0054)	ND (0.058) UJ	ND (0.055) UJ	ND (0.052) UJ	ND (0.065) UJ	ND (2.6)	ND (0.0051)	ND (0.0042)	ND (0.0048)	ND (0.0045)	ND (0.0048)	ND (0.0051)	0.0042 J	ND (0.0048)	ND (0.005)	ND (0.004)	ND (0.0043)	ND (0.0042)	ND (0.0042)	ND (0.006)	ND (0.0047)	ND (0.0043)
Hexachlorobutadiene Isopropylbenzene	44 *	16	ND (0.022) ND (0.022)	ND (0.23) ND (0.23) UJ	ND (0.22) ND (0.22) UJ	ND (0.21) ND (0.21) UJ	ND (0.26) ND (0.26) UJ	ND (11) ND (11)	ND (0.021) ND (0.021)	ND (0.017) ND (0.0042) UJ	ND (0.019) ND (0.0048)	ND (0.018) ND (0.0045)	ND (0.019) ND (0.0048)	ND (0.021) ND (0.0051)	ND (0.018) 0.004 I	ND (0.02) ND (0.0048) UI	ND (0.02) ND (0.005)	ND (0.016) ND (0.004)	ND (0.017) UJ ND (0.0043)	ND (0.017) ND (0.0042)	ND (0.017) ND (0.0042)	ND (0.024) ND (0.006)	ND (0.019) ND (0.0047)	ND (0.017) ND (0.0043)
m&p-Xylene	*	*	ND (0.0054)	ND (0.058) UJ	ND (0.055) UJ	ND (0.052) UJ	ND (0.065) UJ	ND (2.6)	ND (0.0051) UJ	ND (0.0042)	ND (0.0048)	ND (0.0045)	ND (0.0048)	ND (0.0051)	0.012	ND (0.0048)	ND (0.005)	ND (0.004)	ND (0.0043)	ND (0.0042)	ND (0.0042)	ND (0.006)	ND (0.0047)	ND (0.0043)
Methylene chloride	1.8	0.023	ND (0.011)	ND (0.23)	ND (0.22)	ND (0.21)	ND (0.26)	ND (11)	ND (0.011)	ND (0.0084)	ND (0.0095)	ND (0.0089)	ND (0.0095)	ND (0.011)	ND (0.0086)	ND (0.0096)	ND (0.0099)	ND (0.008)	ND (0.0085)	ND (0.0084)	ND (0.0083)	ND (0.012)	ND (0.0094)	0.0029 J
Naphthalene n-Butylbenzene	170	0.7	ND (0.022) ND (0.022)	ND (0.23) UJ ND (0.23) UJ	ND (0.22) UJ ND (0.22) UJ	ND (0.21) UJ ND (0.21) UJ	ND (0.26) UJ ND (0.26) UI	ND (11) UJ ND (11)	ND (0.021) ND (0.021)	ND (0.0042) ND (0.017)	ND (0.0048) ND (0.019)	ND (0.0045) ND (0.018)	ND (0.0048) ND (0.019)	ND (0.0051) ND (0.021)	0.0014 J 0.0055 J	ND (0.0048) ND (0.02)	ND (0.005) ND (0.02)	ND (0.004) ND (0.016)	ND (0.0043) UJ ND (0.017) UJ	ND (0.0042) ND (0.017)	ND (0.0042) ND (0.017)	ND (0.006) ND (0.024)	ND (0.0047) ND (0.019)	ND (0.0043) ND (0.017)
n-Propylbenzene	*	*	ND (0.022)	ND (0.23) UJ	ND (0.22) UJ	ND (0.21) UJ	ND (0.26) UJ	ND (11)	ND (0.021) UJ	ND (0.017)	ND (0.019)	ND (0.018)	ND (0.019)	ND (0.021)	0.0054 J	ND (0.02)	ND (0.02)	ND (0.016)	ND (0.017) UJ	ND (0.017)	ND (0.017)	ND (0.024)	ND (0.019)	ND (0.017)
o-Xylene Styrene	* 550	* 3.5	ND (0.0054) ND (0.0054)	ND (0.058) UJ ND (0.058) UJ	ND (0.055) UJ ND (0.055) UJ	ND (0.052) UJ ND (0.052) UJ	ND (0.065) UJ ND (0.065) UJ	ND (2.6) ND (2.6) UJ	ND (0.0051) ND (0.0051)	ND (0.0042) ND (0.0042)	ND (0.0048) ND (0.0048)	ND (0.0045) ND (0.0045)	ND (0.0048) ND (0.0048)	ND (0.0051) ND (0.0051)	0.0049 ND (0.0043)	ND (0.0048) ND (0.0048)	ND (0.005) ND (0.005)	ND (0.004) ND (0.004)	ND (0.0043) ND (0.0043)	ND (0.0042) ND (0.0042)	ND (0.0042) ND (0.0042)	ND (0.006) ND (0.006)	ND (0.0047) ND (0.0047)	ND (0.0043) ND (0.0043)
tert-Butylbenzene	*	*	ND (0.022)	ND (0.23) UJ	ND (0.22) UJ	ND (0.21) UJ	ND (0.26) UJ	ND (11)	ND (0.021)	ND (0.017)	ND (0.019)	ND (0.018)	ND (0.019)	ND (0.021)	ND (0.018)	ND (0.02)	ND (0.02)	ND (0.016)	ND (0.017) UJ	ND (0.017)	ND (0.017)	ND (0.024)	ND (0.019)	ND (0.017)
Tetrachloroethene Toluene	0.64 240	0.058 12	0.013 ND (0.0054)	26 J ^{ab} ND (0.058)	45 J ^{ab} ND (0.055)	37 ^{ab} ND (0.052)	6.6 ^{ab} ND (0.065)	1900 ^{ab} ND (2.6)	ND (0.0051) ND (0.0051)	ND (0.0042) ND (0.0042)	ND (0.0048)	ND (0.0045) ND (0.0045)	ND (0.0048) ND (0.0048)	0.016 ND (0.0051)	3.7 ^{ab} 1.1	ND (0.0048) ND (0.0048)	ND (0.005) ND (0.005)	ND (0.004) ND (0.004)	ND (0.0043)	ND (0.0042) ND (0.0042)	ND (0.0042) ND (0.0042)	0.00093 J ND (0.006)	ND (0.0047) ND (0.0047)	ND (0.0043) ND (0.0043)
trans-1,2-Dichloroethene	240 14	0.68	ND (0.0054) ND (0.0054)	ND (0.058) ND (0.058)	ND (0.055) ND (0.055)	ND (0.052) ND (0.052)	ND (0.065) ND (0.065)	ND (2.6) ND (2.6)	ND (0.0051) ND (0.0051)	0.021	ND (0.0048) 0.051	0.033	0.025	0.0029 J	0.011	0.016	0.0018 J	ND (0.004) ND (0.004)	ND (0.0043) 0.0078	0.005	0.0016 J	ND (0.006) ND (0.006)	ND (0.0047) ND (0.0047)	ND (0.0043) ND (0.0043)
trans-1,3-Dichloropropene	*	*	ND (0.0054)	ND (0.058) UJ	ND (0.055) UJ	ND (0.052) UJ	ND (0.065) UJ	ND (2.6)	ND (0.0051)	ND (0.0042)	ND (0.0048)	ND (0.0045)	ND (0.0048)	ND (0.0051)	ND (0.0043)	ND (0.0048)	ND (0.005)	ND (0.004)	ND (0.0043)	ND (0.0042)	ND (0.0042)	ND (0.006)	ND (0.0047)	ND (0.0043)
Trichloroethene Trichlorofluoromethane (CFC-11)	0.082	0.057	0.14 ^{ab} ND (0.0054)	ND (0.058) ND (0.058)	ND (0.055) ND (0.055)	ND (0.052) ND (0.052)	0.083 ^{ab} ND (0.065)	4.0 ^{ao} ND (2.6)	ND (0.0051) ND (0.0051)	25 ^{ab} ND (0.0042)	50 ^{ab} ND (0.0048)	7.3 ^{ab} ND (0.0045)	11 ^{ab} ND (0.0048)	35 ^{ab} ND (0.0051)	940 ^{ab} ND (0.0043)	0.80 ^{ab} ND (0.0048)	10 ^{ab} ND (0.005)	ND (0.004) ND (0.004)	0.11 ^{ab} ND (0.0043)	0.01 ND (0.0042)	0.011 J ND (0.0042)	0.00093 ND (0.006)	0.0066 ND (0.0047)	0.006 ND (0.0043)
Vinyl chloride	0.013	0.013	ND (0.0054)	ND (0.058)	ND (0.055)	ND (0.052)	ND (0.065)	ND (2.6)	0.0012 J	0.05 ^{ab}	0.2 ^{ab}	0.031 ^{ab}	0.024 ^{ab}	0.002 J	0.0069	ND (0.0048)	ND (0.005)	ND (0.004)	0.0018 J	0.0097	0.0017 J	ND (0.006)	ND (0.0047)	ND (0.0043)

Notes:

IDEM - Indiana Department of Environmental Management
RISC - Risk Integrated System of Closure
IDCL - Industrial Default Closure Level
RDCL - Residential Default Closure Level
* - Criteria not established for this analyte.
- - Not Analyzed
BGS - below ground surface
mg/kg - milligrams per kilogram
ND(L1) - Analyte not detected at quantitation limit in parenthesis.
J - The associated value is an estimated quantity.
UJ - The material was analyzed for, but was not detected. The associated value is an estimate and may be inaccurate or imprecise.

TABLE 4.27 SUMMARY OF INTERMEDIATE SUBSURFACE SOIL SVOC ANALYTICAL DATA - SWMU 11/AOC 2 RADIO MATERIALS CORPORATION ATTICA, INDIANA

Sample Location: Sample ID:	IDEM	IDEM	B-1116 S-092903-MG-345	B-1116 S-092903-MG-346	B-1116 S-092903-MG-347	B-1117 S-092303-MG-330
Sample Date:	RISC	RISC	9/29/2003	9/29/2003	9/29/2003	9/23/2003
Sample Depth:	IDCL	RDCL	10-12 ft BGS	10-12 ft BGS	16-18 ft BGS	22-24 ft BGS
	a	b	•	Duplicate	·	ŕ
Semivolatile Organic Compounds (mg/kg)						
1,2,4-Trichlorobenzene	77	5.3	ND (0.34)	ND (0.33)	ND (0.33)	ND (0.38)
1,2-Dichlorobenzene	220	17	ND (0.34)	ND (0.33)	ND (0.33)	ND (0.38)
1,3-Dichlorobenzene	2.7	0.2	ND (0.34)	ND (0.33)	ND (0.33)	ND (0.38)
1,4-Dichlorobenzene	3.4	2.2	ND (0.34)	ND (0.33)	ND (0.33)	ND (0.38)
2,2'-oxybis(1-Chloropropane)						
(bis(2-chloroisopropyl) ether)	0.26	0.027	ND (0.34)	ND (0.33)	ND (0.33)	ND (0.38)
2,4,5-Trichlorophenol	690	250	ND (0.34)	ND (0.33)	ND (0.33)	ND (0.38)
2,4,6-Trichlorophenol	0.2 3	0.07 1.1	ND (0.34)	ND (0.33)	ND (0.33)	ND (0.38)
2,4-Dichlorophenol 2,4-Dimethylphenol	25	9	ND (0.34) ND (0.34)	ND (0.33) ND (0.33)	ND (0.33) ND (0.33)	ND (0.38) ND (0.38)
2,4-Dinitrophenol	0.82	0.29	ND (2.1) UJ	ND (2.0)	ND (2.0)	ND (2.3) UJ
2,4-Dinitrotoluene	*	*	ND (0.34)	ND (0.33)	ND (0.33)	ND (0.38)
2,6-Dinitrotoluene	*	*	ND (0.34)	ND (0.33)	ND (0.33)	ND (0.38)
2-Chloronaphthalene	560	42	ND (0.34)	ND (0.33)	ND (0.33)	ND (0.38)
2-Chlorophenol	10	0.75	ND (0.34)	ND (0.33)	ND (0.33)	ND (0.38)
2-Methylnaphthalene	210	16	ND (0.34)	ND (0.33)	ND (0.33)	ND (0.38)
2-Methylphenol	39	14	ND (0.34)	ND (0.33)	ND (0.33)	ND (0.38)
2-Nitroaniline	0.036	0.013	ND (2.1)	ND (2.0)	ND (2.0)	ND (2.3)
2-Nitrophenol 3,3'-Dichlorobenzidine	0.21	0.062	ND (0.34) ND (2.1)	ND (0.33)	ND (0.33) ND (2.0)	ND (0.38)
3-Nitroaniline	V.ZI *	V.U62 *	ND (2.1) ND (2.1)	ND (2.0) ND (2.0)	ND (2.0) ND (2.0)	ND (2.3) ND (2.3)
4,6-Dinitro-2-methylphenol	*	*	ND (2.1)	ND (2.0)	ND (2.0)	ND (2.3)
4-Bromophenyl phenyl ether	*	*	ND (0.34)	ND (0.33)	ND (0.33)	ND (0.38)
4-Chloro-3-methylphenol	*	*	ND (0.34)	ND (0.33)	ND (0.33)	ND (0.38)
4-Chloroaniline	2.7	0.97	ND (0.34)	ND (0.33)	ND (0.33)	ND (0.38) UJ
4-Chlorophenyl phenyl ether	*	*	ND (0.34)	ND (0.33)	ND (0.33)	ND (0.38)
4-Methylphenol	3	1.1	ND (0.34)	ND (0.33)	ND (0.33)	ND (0.38)
4-Nitroaniline	*	*	ND (2.1)	ND (2.0)	ND (2.0)	ND (2.3)
4-Nitrophenol	*		ND (2.1) UJ	ND (2.0)	ND (2.0)	ND (2.3)
Acenaphthene	1200 180	130 18	ND (0.34)	ND (0.33) ND (0.33)	ND (0.33)	ND (0.38)
Acenaphthylene Aniline	*	*	ND (0.34) ND (1.1)	ND (1.0)	ND (0.33) ND (0.99)	ND (0.38) ND (1.2) UJ
Anthracene	51	51	ND (0.34)	ND (0.33)	ND (0.33)	ND (0.38)
Benzo(a)anthracene	15	5	ND (0.34)	ND (0.33)	ND (0.33)	0.057 J
Benzo(a)pyrene	1.5	0.50	ND (0.34)	ND (0.33)	ND (0.33)	ND (0.38)
Benzo(b)fluoranthene	15	5	ND (0.34)	ND (0.33)	ND (0.33)	ND (0.38)
Benzo(g,h,i)perylene	16	16	ND (0.34)	ND (0.33)	ND (0.33)	ND (0.38)
Benzo(k)fluoranthene	39	39	ND (0.34)	ND (0.33)	ND (0.33)	ND (0.38)
Benzoic acid	1600	590	ND (2.1) UJ	ND (2.0)	ND (2.0)	ND (2.3) UJ
Benzyl Alcohol	140	48	ND (0.34) UJ	ND (0.33)	ND (0.33)	ND (0.38) UJ
bis(2-Chloroethoxy)methane bis(2-Chloroethyl)ether	0.012	0.0007	ND (0.34) ND (0.34)	ND (0.33) ND (0.33)	ND (0.33) ND (0.33)	ND (0.38) ND (0.38)
bis(2-Ethylhexyl)phthalate	980	300	ND (0.34)	ND (0.33)	ND (0.33)	ND (0.38)
Butyl benzylphthalate	310	310	ND (0.34)	ND (0.33)	ND (0.33)	ND (0.38)
Chrysene	25	25	ND (0.34)	ND (0.33)	ND (0.33)	0.054 J
Dibenz(a,h)anthracene	1.5	0.5	ND (0.34)	ND (0.33)	ND (0.33)	ND (0.38)
Dibenzofuran	65	4.9	ND (0.34)	ND (0.33)	ND (0.33)	ND (0.38)
Diethyl phthalate	840	450	ND (0.34)	ND (0.33)	ND (0.33)	ND (0.38)
Dimethyl phthalate	1100	1100	ND (0.34)	ND (0.33)	ND (0.33)	ND (0.38)
Di-n-butylphthalate	760	760	ND (0.34)	ND (0.33)	ND (0.33)	ND (0.38)
Di-n-octyl phthalate Fluoranthene	2000 880	2000 880	ND (0.34)	ND (0.33) ND (0.33)	ND (0.33)	ND (0.38) 0.10 J
Fluorene	1100	170	ND (0.34) ND (0.34)	ND (0.33)	ND (0.33) ND (0.33)	ND (0.38)
Hexachlorobenzene	3.9	2.2	ND (0.34)	ND (0.33)	ND (0.33)	ND (0.38)
Hexachlorobutadiene	44	16	ND (0.34)	ND (0.33)	ND (0.33)	ND (0.38)
Hexachlorocyclopentadiene	720	400	ND (0.34)	ND (0.33)	ND (0.33)	ND (0.38)
Hexachloroethane	7.7	2.8	ND (0.34)	ND (0.33)	ND (0.33)	ND (0.38)
Indeno(1,2,3-cd)pyrene	3.1	3.1	ND (0.34)	ND (0.33)	ND (0.33)	ND (0.38)
Isophorone	18	5.3	ND (0.34)	ND (0.33)	ND (0.33)	ND (0.38)
Naphthalene	170	0.7	ND (0.34)	ND (0.33)	ND (0.33)	ND (0.38)
Nitrobenzene	0.34	0.028	ND (0.34)	ND (0.33)	ND (0.33)	ND (0.38)
N-Nitrosodimethylamine	w 0.000		ND (2.1)	ND (2.0)	ND (2.0)	ND (2.3)
N-Nitrosodi-n-propylamine N-Nitrosodiphenylamine	0.002 32	0.0006 9.7	ND (0.34) ND (0.34)	ND (0.33) ND (0.33)	ND (0.33) ND (0.33)	ND (0.38) ND (0.38)
Pentachlorophenol	0.66	0.028	ND (0.34) ND (2.1)	ND (0.33) ND (2.0)	ND (0.33) ND (2.0)	ND (0.38) ND (2.3)
Phenanthrene	170	13	ND (2.1) ND (0.34)	ND (2.0) ND (0.33)	ND (2.0) ND (0.33)	0.079 J
Phenol	160	56	ND (0.34)	ND (0.33)	ND (0.33)	ND (0.38)
Pyrene	570	570	ND (0.34)	ND (0.33)	ND (0.33)	0.10 J

Notes:
IDEM - Indiana Department of Environmental Management
RISC - Risk Integrated System of Closure
IDCL - Industrial Default Closure Level

RDCL - Residential Default Closure Level

* - Criteria not established for this analyte. -- - Not Analyzed BGS - below ground surface

mg/kg - milligrams per kilogram
ND(1.1) - Analyte not detected at quantitation limit in parenthesis.

J - The associated value is an estimated quantity.

UJ - The material was analyzed for, but was not detected. The associated value is an estimate and may be inaccurate or imprecise.

TABLE 4.28 Page 1 of 2

SUMMARY OF INTERMEDIATE SUBSURFACE SOIL METALS ANALYTICAL DATA - SWMU 11/AOC 2 RADIO MATERIALS CORPORATION ATTICA, INDIANA

Sample Location: Sample ID: Sample Date: Sample Depth:	IDEM RISC IDCL a	IDEM RISC RDCL b	Background Subsurface c	B-1101 S-093003-MG-349 9/30/2003 10-12 ft BGS	B-1101 S-093003-MG-350 9/30/2003 26-28 ft BGS	B-1102 S-092303-MG-328 9/23/2003 18-20 ft BGS	B-1103 S-081903-MG-082 8/19/2003 10-12 ft BGS	B-1103 S-081903-MG-083 8/19/2003 26-28 ft BGS	B-1104 S-093003-MG-351 9/30/2003 12-14 ft BGS	B-1104 S-093003-MG-352 9/30/2003 26-28 ft BGS	B-1104 S-093003-MG-353 9/30/2003 26-28 ft BGS Duplicate	B-1105 S-091803-MG-311 9/18/2003 14-16 ft BGS	B-1105 S-091803-MG-312 9/18/2003 18-20 ft BGS	B-1106 S-081903-MG-084 8/19/2003 10-12 ft BGS	B-1107 S-092503-MG-335 9/25/2003 14-16 ft BGS	B-1107 S-092503-MG-336 9/25/2003 14-16 ft BGS Duplicate	B-1107 S-092503-MG-337 9/25/2003 20-22 ft BGS	B-1108 S-092903-MG-342 9/29/2003 12-14 ft BGS
Metals (mg/kg)																		
Aluminum	*	*	27784	13000	2630	2010	5300	3190	9930	2690	3070	3450	5640	11400	13100	13400	6010	10700
Antimony	37	5.4	0.253	0.15 J	0.12 J	0.11 J	0.09 J	0.15 J	0.14 J	0.09 J	0.06 J	0.31 J ^c	0.09 J	0.07 J	0.19 J	0.11 J	ND (0.04) UJ	0.07 J
Arsenic	20	3.9	14.1	7.7 ^b	5 ^b	3.7	5.8 ^b	7.4 ^b	6.7 ^b	4.8^{b}	4.2 ^b	3.7	3.4	6.5 ^b	9 ^b	7.5 ^b	3.9	5.7 ^b
Barium	5900	1600	183	56.9	13.9	10.5	34.1	17.6	52.5	11.6	10.5	12.6	16.8	52.4	64.4	47.5	21.9	39.9
Beryllium	2300	63	0.867	0.7	0.12	0.13	0.29	0.13	0.44	0.13	0.11	0.11	0.25	0.66	0.59	0.46	0.26	0.37
Cadmium	77	7.5	0.343	0.14	0.13	0.18	0.24	0.09	0.2	0.12	0.12	0.3	0.22	0.24	0.21	0.18	0.18	0.23
Calcium	*	*	149433	964	103000	68400	84500	124000	1220	89000	80500	47200	75500	94400	2700	2520	76100	92400
Chromium Total	120	38	34.8	20.5	5.2	5.1	9.8	34.1	15.3	6.4	8.6	11.4	10.7	16.8	20.1	19.7	10.2	15.4
Cobalt	*	*	16.7	10.4	3.5	ND (2.3)	6.1	4.2	6.5	3.1	3.1	7.2	6.5	6.2	7.6	6.1	6.2	8.8
Copper	2700	920	24.1	17.9	9.9	11.1	12.4	7.4	15.8	10	8.2	11.3	11.8	16.4	20.3	21.2	11.8	14.6
Iron	*	*	40266	23200	9880	7450	14000	13100	20100	9530	8390	13300	13500	14800	25500	22500	14600	19000
Lead	230	81	41.1	16.3	7.6	6.61	10.8	4.88	13	6.89	4.72	8.49	8.69	15.3	19.4	15.7	9.65	11.5
Magnesium	*	*	49338	3630	27300	19100	22000	43200	2160	22400	24000	20200	28000	43900	3130	3010	32400	23200
Manganese	*	*	1370	470	294	248	507	435	617	351	365	387	404	388	1020 J	497 J	421	504
Mercury	32	2.1	0.097	0.03	ND (0.02)	ND (0.02)	ND (0.02)	0.02	0.03	0.03	ND (0.02)	0.02						
Nickel	2700	950	38.4	22.6	14.4	16.2	20.3	11.9	17	15.5	15.7	25.9	28.9	29.6	20.6	18.5	21.5	27
Potassium	*	*	2496	2630°	617	ND (460)	1150	724	1600	657	573	777	1440	4270°	872	1180	1670	2500°
Selenium	53	5.2	-	ND (1.2)	ND (1.1)	ND (1.2)	ND (1.2)	ND (1.1)	ND (1.2)	ND (1.1)	ND (1.1)	ND (1.1)	ND (1.1)	ND (1.2)	ND (1)	ND (0.9)	ND (0.9)	ND (1)
Silver	87	31	0.789	ND (0.02)	0.03	ND (0.02)	ND (0.02)	0.07	0.02	ND (0.02)	0.03	0.03	0.03	ND (0.02)				
Sodium	*	*	179	67.3	116	84.3	137	118	63.7	112	105	78.3	99.1	257 ^c	58.9	80.8	117	131
Thallium	10	2.8	0.412	0.35	0.15	0.14	0.25	0.13	0.21	0.15	0.11	0.21	0.27	0.45 ^c	0.3	0.23	0.24	0.48 ^c
Vanadium	*	*	36.6	20.2	7.1	7.8	11.8	9	18.3	7.3	6.3	9	10.2	21	24.8	19.4	9.5	15.3
Zinc	10000	10000	121	75.8	46.7	50	52.2	44.8	88.8	46.5	36.5	75.3	45.3	51.6	89.7	89.4	55	52.6

TABLE 4.28 Page 2 of 2

SUMMARY OF INTERMEDIATE SUBSURFACE SOIL METALS ANALYTICAL DATA - SWMU 11/AOC 2 RADIO MATERIALS CORPORATION ATTICA, INDIANA

Sample Location: Sample ID: Sample Date: Sample Depth:	IDEM RISC IDCL a	IDEM RISC RDCL b	Background Subsurface c	B-1108 S-092903-MG-343 9/29/2003 28-30 ft BGS	B-1109 S-082003-MG-087 8/20/2003 26-28 ft BGS	B-1110 S-092303-MG-332 9/23/2003 24-26 ft BGS	B-1111 S-091903-MG-314 9/19/2003 16-18 ft BGS	B-1112 S-091803-MG-313 9/18/2003 14-16 ft BGS	B-1114 S-092503-MG-338 9/25/2003 16-18 ft BGS	B-1115 S-082003-MG-088 8/20/2003 12-14 ft BGS	B-1115 S-082003-MG-089 8/20/2003 24-26 ft BGS	B-1116 S-092903-MG-345 9/29/2003 10-12 ft BGS	B-1116 S-092903-MG-346 9/29/2003 10-12 ft BGS Duplicate	B-1116 S-092903-MG-347 9/29/2003 16-18 ft BGS	B-1116 S-092903-MG-348 9/29/2003 26-28 ft BGS	B-1117 S-092303-MG-330 9/23/2003 22-24 ft BGS	B-1118 S-092603-MG-340 9/26/2003 16-18 ft BGS
Metals (mg/kg)																	
Aluminum	*	*	27784	2450	1950	6410	4550	12300	6560	5530	2180	15800	12700	7870	3670	9030	4880
Antimony	37	5.4	0.253	0.1 J	0.06 J	0.08 J	0.08 J	0.18 J	0.07 J	0.07 J	0.08 J	0.18 J	0.19 J	0.15 J	0.58 J ^c	0.1 J	0.1 J
Arsenic	20	3.9	14.1	4.5 ^b	2.6	4.3 ^b	5.5 ^b	12.3 ^b	5.9 ^b	4.4^{b}	3.9	7.7 ^b	7.2 ^b	10.9 J ^b	4.1 ^b	4.2^{b}	3.4
Barium	5900	1600	183	21.6	21.9	21.5	21.2	62.9	28.4	22.6	13	61.4	60.6	22.1 J	23.1	36.4	18.6
Beryllium	2300	63	0.867	0.15	0.08	0.35	0.187	0.4	0.4	0.25	0.11	0.43	0.39	0.49 J	0.1	0.54	0.162
Cadmium	77	7.5	0.343	0.15	0.12	0.14	0.19	0.48^{c}	0.22	0.17	0.18	0.16	0.17	0.22	0.17	0.15	0.19
Calcium	*	*	149433	89600	69500	65400	66300	5600	80800	72300	98200	1490	1210	69900	83200	67700	85300
Chromium Total	120	38	34.8	4.9	3.6	11.1	8.2	15.9	12.9	10	4.7	23.1	17.8	12.2	10.3	15.6	8.6
Cobalt	*	*	16.7	3.1	2.4	6	6.2	15.9	7	5.9	2.5	10.9	10.1	6.2	4.6	8	5.2
Copper	2700	920	24.1	11.8	6.2	13.8	11.7	50°	13.4	13.1	8.1	16	16.2	14.3 J	9.8	14.2 J	11.2
Iron	*	*	40266	8500	6450	14000	13400	38600	14400	14000	8400	24900	21300	14600	10500	17500	11400
Lead	230	81	41.1	6.13	4.67	16.5	14.3	14.4	10.2	10.2	6.2	15.6	15.2	11.8 J	7.94	10.5 J	7.07
Magnesium	*	*	49338	28500	18600	28700	24500	4910	27200	32000	28900	3700	2950	30600	22600	28000	39800
Manganese	*	*	1370	289	245	357	379	1320	371	433	339	654	660	408	319	401	352
Mercury	32	2.1	0.097	ND (0.02)	ND (0.02)	ND (0.02)	0.01 J	0.02	0.02	ND (0.02)	ND (0.02)	0.02	0.02	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)
Nickel	2700	950	38.4	18.6	15.9	20.6	24.7	28	24.1	26.8	17.8	22	21.2	23.5 J	17.5	28.1 J	25.2
Potassium	*	*	2496	785	ND (438)	1930	966	1300	1560	1210	481	2860°	2010	2710 ^c	831	2640 J ^c	1650
Selenium	53	5.2	-	ND (0.8)	ND (1.1)	ND (1.1)	ND (1.1)	ND (2.2)	1.1	ND (1.1)	ND (1.1)	ND (0.8)	ND (0.9)	ND (0.8)	ND (0.7)	ND (1.2)	0.3 J
Silver	87	31	0.789	0.02	ND (0.02)	0.03	ND (0.02)	0.03	0.03	ND (0.02)	ND (0.02)	0.03	0.02	0.03	ND (0.02)	0.03	ND (0.02)
Sodium	*	*	179	90.8	87.1	116	81.4	71.4	100	105	95.5	64	52.5	131	106	131	118
Thallium	10	2.8	0.412	0.16	0.14	0.25	0.221	0.29	0.34	0.26	0.15	0.35	0.34	0.25	0.13	0.32 J	0.199
Vanadium	*	*	36.6	5.8	4.8	12.1	9.05	32	16.2	10.3	6	17.1	15.7	15 J	5.8	16.6 J	7.64
Zinc	10000	10000	121	50.3	37.2	45.4	54.3	117	134 ^c	48.8	53.8	81	80.8	49	47.5	51.3	55.3

IDEM - Indiana Department of Environmental Management RISC - Risk Integrated System of Closure

IDCL - Industrial Default Closure Level

RDCL - Residential Default Closure Level

* - Criteria not established for this analyte.

-- - Not Analyzed

BGS - below ground surface

mg/kg - milligrams per kilogram

ND(1.1) - Analyte not detected at quantitation limit in parenthesis.

J - The associated value is an estimated quantity.

UJ - The material was analyzed for, but was not detected. The associated value is an estimate and may be inaccurate or imprecise.

TABLE 4.29

SUMMARY OF DEEP SUBSURFACE SOIL VOC ANALYTICAL DATA - SWMU 11/AOC 2 RADIO MATERIALS CORPORATION ATTICA, INDIANA

Sample Location:	IDEM	IDEM	B-1106 S-082003-MG-085	B-1111	B-1111 S-092203-MG-325	B-1112 S-092203-MG-326	B-1113	B-1114 S-092503-MG-339	B-1118 S-092603-MG-341	B-1119 S-090904-MG-102	B-1120 S-090804-MG-099	B-1121 S-090804-MG-098	B-1121 S-090804-MG-096	B-1122 S-090804-MG-094	B-1123 S-090704-MG-092	B-1124 S-090704-MG-090
Sample ID: Sample Date:	RISC	RISC	8/20/2003	S-092203-MG-324 9/22/2003	9/22/2003	9/22/2003	S-092403-MG-334 9/24/2003	9/25/2003	9/26/2003	9/9/2004	9/8/2004	9/8/2004	9/8/2004	5-090804-MG-094 9/8/2004	9/7/2004	9/7/2004
Sample Depth:	IDCL	RDCL	44-47 ft BGS	54-56 ft BGS	54-56 ft BGS	54-56 ft BGS	56-58 ft BGS	50-52 ft BGS	52-54 ft BGS	44-46 ft BGS	48-50 ft BGS	34-36 ft BGS	50-52 ft BGS	48-50 ft BGS	50-52 ft BGS	52-54 ft BGS
	a	b	•	•	Duplicate	•	•	,	,	,	,	•	•	,	•	,
White of the state																
Volatile Organic Compounds (mg/kg) 1,1,1,2-Tetrachloroethane	0.85	0.053	ND (0.0091) UJ	ND (0.0061) UJ	ND (0.0061) UJ	ND (0.0066) UJ	ND (0.066)	ND (0.006) UJ	ND (0.069)	ND (0.0057)	ND (0.0061)	ND (0.0061)	ND (0.0062)	ND (0.0063)	ND (0.007)	ND (0.0055)
1,1,1-Trichloroethane	280	1.9	ND (0.0091)	ND (0.0061)	ND (0.0061)	ND (0.0066)	ND (0.066)	ND (0.006)	ND (0.069)	ND (0.0057)	ND (0.0061)	ND (0.0061)	ND (0.0062)	ND (0.0063)	ND (0.007)	ND (0.0055)
1,1,2,2-Tetrachloroethane	0.11	0.007	ND (0.0091)	ND (0.0061)	ND (0.0061)	ND (0.0066)	ND (0.066)	ND (0.006)	ND (0.069)	ND (0.0057)	ND (0.0061)	ND (0.0061)	ND (0.0062)	ND (0.0063)	ND (0.007)	ND (0.0055)
1,1,2-Trichloroethane	0.3	0.03	ND (0.0091)	ND (0.0061)	ND (0.0061)	ND (0.0066)	ND (0.066)	ND (0.006)	ND (0.069)	0.00089 J	ND (0.0061)	ND (0.0061)	ND (0.0062)	ND (0.0063)	ND (0.007)	ND (0.0055)
1,1-Dichloroethane	58	5.6	ND (0.0091)	ND (0.0061)	ND (0.0061)	ND (0.0066)	ND (0.066)	ND (0.006)	ND (0.069)	ND (0.0057)	ND (0.0061)	ND (0.0061)	ND (0.0062)	ND (0.0063)	ND (0.007)	ND (0.0055)
1,1-Dichloroethene	42	0.058	ND (0.0091)	ND (0.0061)	ND (0.0061)	ND (0.0066)	ND (0.066)	ND (0.006)	ND (0.069)	ND (0.0057)	ND (0.0061)	ND (0.0061)	ND (0.0062)	ND (0.0063)	ND (0.007)	ND (0.0055)
1,1-Dichloropropene 1,2,3-Trichlorobenzene	*	*	ND (0.0091) ND (0.037)	ND (0.0061) ND (0.025)	ND (0.0061) ND (0.025)	ND (0.0066) ND (0.027)	ND (0.066) ND (0.27)	ND (0.006) ND (0.024)	ND (0.069) ND (0.28)	ND (0.0057) ND (0.0057)	ND (0.0061) ND (0.0061)	ND (0.0061) ND (0.0061)	ND (0.0062) ND (0.0062)	ND (0.0063) ND (0.0063)	ND (0.007) ND (0.007)	ND (0.0055) ND (0.0055)
1,2,3-Trichloropenzene	*	*	ND (0.0091)	ND (0.0061)	ND (0.0061)	ND (0.0066)	ND (0.066)	ND (0.004)	ND (0.069)	ND (0.0057)	ND (0.0061)	ND (0.0061)	ND (0.0062)	ND (0.0063)	ND (0.007)	ND (0.0055)
1,2,4-Trichlorobenzene	77	5.3	ND (0.037)	ND (0.025)	ND (0.025)	ND (0.027)	ND (0.27)	ND (0.024)	ND (0.28)	ND (0.023)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.028)	ND (0.022)
1,2,4-Trimethylbenzene	170	2.5	ND (0.037)	ND (0.025)	ND (0.025)	ND (0.027)	ND (0.27)	ND (0.024)	ND (0.28)	ND (0.023)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.028)	ND (0.022)
1,2-Dibromo-3-chloropropane (DBCP)	*	*	ND (0.037)	ND (0.025)	ND (0.025)	ND (0.027)	ND (0.27)	ND (0.024)	ND (0.28)	ND (0.023)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.028)	ND (0.022)
1,2-Dibromoethane (Ethylene Dibromide)	*	*	ND (0.037)	ND (0.025)	ND (0.025)	ND (0.027)	ND (0.27)	ND (0.024)	ND (0.28)	ND (0.0057)	ND (0.0061)	ND (0.0061)	ND (0.0062)	ND (0.0063)	ND (0.007)	ND (0.0055)
1,2-Dichlorobenzene 1,2-Dichloroethane	220 0.15	17 0.024	ND (0.0091) ND (0.0091)	ND (0.0061) ND (0.0061)	ND (0.0061) ND (0.0061)	ND (0.0066) ND (0.0066)	ND (0.066) ND (0.066)	ND (0.006) ND (0.006)	ND (0.069) ND (0.069)	ND (0.0057) ND (0.0057)	ND (0.0061) ND (0.0061)	ND (0.0061) ND (0.0061)	ND (0.0062) ND (0.0062)	ND (0.0063) ND (0.0063)	ND (0.007) ND (0.007)	ND (0.0055) ND (0.0055)
1,2-Dichloropropane	0.15	0.024	ND (0.0091)	ND (0.0061)	ND (0.0061)	ND (0.0066)	ND (0.066)	ND (0.006)	ND (0.069)	ND (0.0057)	ND (0.0061)	ND (0.0061)	ND (0.0062)	ND (0.0063)	ND (0.007)	ND (0.0055)
1,3,5-Trimethylbenzene	68	0.61	ND (0.037)	ND (0.025)	ND (0.025)	ND (0.027)	ND (0.27)	ND (0.024)	ND (0.28)	ND (0.0057)	ND (0.0061)	ND (0.0061)	ND (0.0062)	ND (0.0063)	ND (0.007)	ND (0.0055)
1,3-Dichlorobenzene	2.7	0.2	ND (0.0091)	ND (0.0061)	ND (0.0061)	ND (0.0066)	ND (0.066)	ND (0.006)	ND (0.069)	ND (0.0057)	ND (0.0061)	ND (0.0061)	ND (0.0062)	ND (0.0063)	ND (0.007)	ND (0.0055)
1,3-Dichloropropane	*	*	ND (0.0091)	ND (0.0061)	ND (0.0061)	ND (0.0066)	ND (0.066)	ND (0.006)	ND (0.069)	ND (0.0057)	ND (0.0061)	ND (0.0061)	ND (0.0062)	ND (0.0063)	ND (0.007)	ND (0.0055)
1,4-Dichlorobenzene	3.4	2.2	ND (0.0091)	ND (0.0061)	ND (0.0061)	ND (0.0066)	ND (0.066)	ND (0.006)	ND (0.069)	ND (0.0057)	ND (0.0061)	ND (0.0061)	ND (0.0062)	ND (0.0063)	ND (0.007)	ND (0.0055)
2,2-Dichloropropane 2-Butanone (Methyl Ethyl Ketone)	250	35	ND (0.0091) ND (0.037)	ND (0.0061) ND (0.025)	ND (0.0061) ND (0.025)	ND (0.0066) ND (0.027)	ND (0.066) ND (2.7)	ND (0.006) ND (0.024)	ND (0.069) ND (2.8)	ND (0.0057) ND (0.023) UJ	ND (0.0061) ND (0.025) UJ	ND (0.0061) ND (0.025) UJ	ND (0.0062) ND (0.025) UJ	ND (0.0063) ND (0.025) UJ	ND (0.007) ND (0.028) UJ	ND (0.0055) ND (0.022) UJ
2-Chlorotoluene	*	*	ND (0.037)	ND (0.025)	ND (0.025)	ND (0.027)	ND (0.27)	ND (0.024)	ND (0.28)	ND (0.023)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.028)	ND (0.022)
2-Hexanone	*	*	ND (0.037)	ND (0.025)	ND (0.025)	ND (0.027)	ND (2.7) UJ	ND (0.024)	ND (2.8) UJ	ND (0.023) UJ	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.028) UJ	ND (0.022) UJ
2-Phenylbutane (sec-Butylbenzene)	*	*	ND (0.037)	ND (0.025)	ND (0.025)	ND (0.027)	ND (0.27)	ND (0.024)	ND (0.28)	ND (0.023)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.028)	ND (0.022)
4-Chlorotoluene	*	*	ND (0.037)	ND (0.025)	ND (0.025)	ND (0.027)	ND (0.27)	ND (0.024)	ND (0.28)	ND (0.023)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.028)	ND (0.022)
4-Methyl-2-Pentanone	75	20	NID (0.027)	NID (0.025)	NTD (0.005)	NTD (0.007)	NID (2.7)	NID (0.024)	NID (2.0)	NID (0.022) III	NID (0.005) III	NTD (0.005)	NTD (0.005)	NID (0.00E)	NID (0.020) TH	NID (0.022) III
(Methyl Isobutyl Ketone) Acetone	75 370	20 3.8	ND (0.037) ND (0.091) UJ	ND (0.025) ND (0.061) UJ	ND (0.025) ND (0.061) UJ	ND (0.027) ND (0.066) UJ	ND (2.7) ND (2.7)	ND (0.024) ND (0.06) UJ	ND (2.8) ND (2.8)	ND (0.023) UJ 0.016 J	ND (0.025) UJ ND (0.025)	ND (0.025) ND (0.025) UJ	ND (0.025) ND (0.025) UJ	ND (0.025) ND (0.025) UJ	ND (0.028) UJ ND (0.028)	ND (0.022) UJ ND (0.022)
Benzene	0.35	0.034	ND (0.091)	ND (0.001) C)	ND (0.001) C)	ND (0.0066)	ND (0.066)	ND (0.006)	ND (0.069)	ND (0.0057)	ND (0.025)	ND (0.0061)	ND (0.0062)	ND (0.0063)	ND (0.020)	ND (0.0055)
Bromobenzene	*	*	ND (0.0091)	ND (0.0061)	ND (0.0061)	ND (0.0066)	ND (0.27)	ND (0.006)	ND (0.28)	ND (0.0057)	ND (0.0061)	ND (0.0061)	ND (0.0062)	ND (0.0063)	ND (0.007)	ND (0.0055)
Bromodichloromethane	0.51	0.51	ND (0.0091)	ND (0.0061)	ND (0.0061)	ND (0.0066)	ND (0.066)	ND (0.006)	ND (0.069)	ND (0.0057)	ND (0.0061)	ND (0.0061)	ND (0.0062)	ND (0.0063)	ND (0.007)	ND (0.0055)
Bromoform	2.7	0.6	ND (0.0091) UJ	ND (0.0061) UJ	ND (0.0061) UJ	ND (0.0066) UJ	ND (0.066)	ND (0.006) UJ	ND (0.069)	ND (0.0057)	ND (0.0061)	ND (0.0061)	ND (0.0062)	ND (0.0063)	ND (0.007)	ND (0.0055)
Bromomethane (Methyl Bromide) Carbon disulfide	0.7 82	0.052 10	ND (0.0091) UJ	ND (0.0061) UJ	ND (0.0061) UJ	ND (0.0066) UJ	ND (0.066) UJ	ND (0.006) UJ ND (0.006)	ND (0.069)	ND (0.0057)	ND (0.0061)	ND (0.0061) ND (0.0061)	ND (0.0062) ND (0.0062)	ND (0.0063)	ND (0.007) ND (0.007)	ND (0.0055)
Carbon tetrachloride	0.29	0.066	ND (0.0091) ND (0.0091)	ND (0.0061) ND (0.0061)	ND (0.0061) ND (0.0061)	ND (0.0066) ND (0.0066)	ND (0.066) ND (0.066)	ND (0.006) ND (0.006)	ND (0.069) ND (0.069)	ND (0.0057) ND (0.0057)	ND (0.0061) ND (0.0061)	ND (0.0061) ND (0.0061)	ND (0.0062) ND (0.0062)	ND (0.0063) ND (0.0063)	ND (0.007) ND (0.007)	ND (0.0055) ND (0.0055)
Chlorobenzene	27	1.3	ND (0.0091)	ND (0.0061)	ND (0.0061)	ND (0.0066)	ND (0.066)	ND (0.006)	ND (0.069)	ND (0.0057)	ND (0.0061)	ND (0.0061)	ND (0.0062)	ND (0.0063)	ND (0.007)	ND (0.0055)
Chlorobromomethane	*	*	ND (0.0091)	ND (0.0061)	ND (0.0061)	ND (0.0066)	ND (0.066)	ND (0.006)	ND (0.069)	ND (0.0057)	ND (0.0061)	ND (0.0061)	ND (0.0062)	ND (0.0063)	ND (0.007)	ND (0.0055)
Chloroethane	10	0.65	ND (0.0091)	ND (0.0061) UJ	ND (0.0061) UJ	ND (0.0066) UJ	ND (0.066)	ND (0.006)	ND (0.069)	ND (0.0057)	ND (0.0061)	ND (0.0061)	ND (0.0062)	ND (0.0063)	ND (0.007)	ND (0.0055)
Chloroform (Trichloromethane)	1.2	0.47	ND (0.0091)	ND (0.0061)	ND (0.0061)	ND (0.0066)	ND (0.066)	ND (0.006)	ND (0.069)	ND (0.0057)	ND (0.0061)	ND (0.0061)	ND (0.0062)	ND (0.0063)	ND (0.007)	ND (0.0055)
Chloromethane (Methyl Chloride)			ND (0.0091) 0.41 ^b	ND (0.0061)	ND (0.0061)	ND (0.0066)	ND (0.066)	ND (0.006)	ND (0.069)	ND (0.0057)	ND (0.0061)	ND (0.0061)	ND (0.0062)	ND (0.0063)	ND (0.007)	ND (0.0055)
cis-1,2-Dichloroethene cis-1,3-Dichloropropene	5.8	0.4	ND (0.0091)	0.0033 J ND (0.0061)	0.0029 J ND (0.0061)	ND (0.0066) ND (0.0066)	ND (0.066) ND (0.066)	ND (0.006) ND (0.006)	ND (0.069) ND (0.069)	0.067 ND (0.0057)	0.095 J ND (0.0061) UJ	0.069 ND (0.0061)	0.072 ND (0.0062)	0.028 ND (0.0063)	0.024 ND (0.007)	0.013 ND (0.0055)
Cymene (p-Isopropyltoluene)	*	*	ND (0.037)	ND (0.025)	ND (0.025)	ND (0.027)	ND (0.27)	ND (0.024)	ND (0.28)	ND (0.023)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.028)	ND (0.022)
Dibromochloromethane	*	*	ND (0.0091)	ND (0.0061)	ND (0.0061)	ND (0.0066)	ND (0.066)	ND (0.006)	ND (0.069)	ND (0.0057)	ND (0.0061)	ND (0.0061)	ND (0.0062)	ND (0.0063)	ND (0.007)	ND (0.0055)
Dibromomethane	*	*	ND (0.0091)	ND (0.0061)	ND (0.0061)	ND (0.0066)	ND (0.066)	ND (0.006)	ND (0.069)	ND (0.0057)	ND (0.0061)	ND (0.0061)	ND (0.0062)	ND (0.0063)	ND (0.007)	ND (0.0055)
Dichlorodifluoromethane (CFC-12)	*	*	ND (0.0091)	ND (0.0061)	ND (0.0061)	ND (0.0066)	ND (0.066)	ND (0.006)	ND (0.069)	ND (0.0057)	ND (0.0061)	ND (0.0061)	ND (0.0062)	ND (0.0063)	ND (0.007) UJ	ND (0.0055) UJ
Ethylbenzene Hexachlorobutadiene	160 44	13 16	ND (0.0091) ND (0.037)	ND (0.0061) ND (0.025)	ND (0.0061) ND (0.025)	ND (0.0066) ND (0.027)	ND (0.066) ND (0.27)	ND (0.006) ND (0.024)	ND (0.069) ND (0.28)	ND (0.0057) ND (0.023)	ND (0.0061) ND (0.025)	ND (0.0061) ND (0.025)	ND (0.0062) ND (0.025)	ND (0.0063) ND (0.025)	ND (0.007) ND (0.028)	ND (0.0055) ND (0.022)
Isopropylbenzene	*	*	ND (0.037)	ND (0.025)	ND (0.025)	ND (0.027) ND (0.027)	ND (0.27) ND (0.27)	ND (0.024) ND (0.024)	ND (0.28)	ND (0.023) ND (0.0057)	ND (0.023)	ND (0.023) ND (0.0061)	ND (0.023) ND (0.0062)	ND (0.023) ND (0.0063)	ND (0.028) ND (0.007)	ND (0.022) ND (0.0055)
m&p-Xylene	*	*	ND (0.0091) UJ	ND (0.0061) UJ	ND (0.0061) UJ	ND (0.0066) UJ	ND (0.066)	ND (0.006) UJ	ND (0.069)	ND (0.0057)	ND (0.0061)	ND (0.0061)	ND (0.0062)	ND (0.0063)	ND (0.007)	ND (0.0055)
Methylene chloride	1.8	0.023	ND (0.019)	ND (0.013) UJ	ND (0.013) UJ	ND (0.014) UJ	ND (0.27)	ND (0.012)	ND (0.28)	ND (0.012)	ND (0.013)	ND (0.013)	0.0016 J	ND (0.013)	ND (0.014)	ND (0.011)
Naphthalene	170	0.7	ND (0.037)	ND (0.025)	ND (0.025)	ND (0.027)	ND (0.27) UJ	ND (0.024)	ND (0.28) UJ	ND (0.0057)	ND (0.0061)	ND (0.0061)	ND (0.0062)	ND (0.0063)	ND (0.007)	ND (0.0055)
n-Butylbenzene	*	*	ND (0.037)	ND (0.025)	ND (0.025)	ND (0.027)	ND (0.27)	ND (0.024)	ND (0.28)	ND (0.023)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.028)	ND (0.022)
n-Propylbenzene o-Xylene	*	*	ND (0.037) ND (0.0091) UJ	ND (0.025) ND (0.0061) UJ	ND (0.025) ND (0.0061) UJ	ND (0.027) ND (0.0066) UJ	ND (0.27) ND (0.066)	ND (0.024) ND (0.006) UJ	ND (0.28) ND (0.069)	ND (0.023) ND (0.0057)	ND (0.025) ND (0.0061)	ND (0.025) ND (0.0061)	ND (0.025) ND (0.0062)	ND (0.025) ND (0.0063)	ND (0.028) ND (0.007)	ND (0.022) ND (0.0055)
o-Xylene Styrene	550	3.5	ND (0.0091) UJ ND (0.0091) UJ	ND (0.0061) UJ ND (0.0061) UJ	ND (0.0061) UJ ND (0.0061) UJ	ND (0.0066) UJ	ND (0.066) ND (0.066) UJ	ND (0.006) UJ	ND (0.069) ND (0.069) UJ	ND (0.0057) ND (0.0057)	ND (0.0061) ND (0.0061)	ND (0.0061) ND (0.0061)	ND (0.0062) ND (0.0062)	ND (0.0063) ND (0.0063)	ND (0.007) ND (0.007)	ND (0.0055) ND (0.0055)
tert-Butylbenzene	*	*	ND (0.037)	ND (0.025)	ND (0.025)	ND (0.027)	ND (0.27)	ND (0.024)	ND (0.28)	ND (0.023)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.028)	ND (0.022)
Tetrachloroethene	0.64	0.058	1.5 ^{ab}	4.8 ^{ab}	4.8 ^{ab}	ND (0.0066)	ND (0.066)	0.065 ^b	4.1 ^{ab}	0.0076	0.92 ^{ab}	0.048	0.058	0.039	0.11 ^b	0.0036 J
Toluene	240	12	ND (0.0091)	ND (0.0061)	ND (0.0061)	ND (0.0066)	ND (0.066)	ND (0.006)	ND (0.069)	0.0012 J	ND (0.0061)	ND (0.0061)	ND (0.0062)	ND (0.0063)	ND (0.007)	ND (0.0055)
trans-1,2-Dichloroethene	14	0.68	ND (0.0091)	ND (0.0061)	ND (0.0061)	ND (0.0066)	ND (0.066)	ND (0.006)	ND (0.069)	ND (0.0057)	ND (0.0061)	ND (0.0061)	ND (0.0062)	ND (0.0063)	ND (0.007)	ND (0.0055)
trans-1,3-Dichloropropene	*	*	ND (0.0091)	ND (0.0061)	ND (0.0061)	ND (0.0066)	ND (0.066)	ND (0.006)	ND (0.069)	ND (0.0057)	ND (0.0061)	ND (0.0061)	ND (0.0062)	ND (0.0063)	ND (0.007)	ND (0.0055)
Trichloroethene	0.082	0.057	0.55 ^{ab}	0.021	0.018	ND (0.0066)	ND (0.066)	0.058 ^b	0.093 ^{ab}	2.1 ^{ab}	ND (0.063)	0.14 ^{ab}	0.095 ^{ab}	0.052	0.12 ^{ab}	0.076 ^b
Trichlorofluoromethane (CFC-11) Vinyl chloride	0.013	0.013	ND (0.0091) ND (0.0091)	ND (0.0061) UJ ND (0.0061)	ND (0.0061) UJ ND (0.0061)	ND (0.0066) UJ ND (0.0066)	ND (0.066) ND (0.066)	ND (0.006) ND (0.006)	ND (0.069) ND (0.069)	ND (0.0057) 0.00089 J	ND (0.0061) ND (0.0061)	ND (0.0061) ND (0.0061)	ND (0.0062) ND (0.0062)	ND (0.0063) ND (0.0063)	ND (0.007) ND (0.007)	ND (0.0055) ND (0.0055)
, myr chioriac	0.015	0.013	1412 (0.0091)	(0.0001)	(0.0001)	(0.0000)	112 (0.000)	142 (0.000)	142 (0.009)	0.00009 j	142 (0.0001)	(0.0001)	142 (0.0002)	142 (0.0000)	142 (0.007)	142 (0.0000)

TABLE 4.29 Page 2 of 2

SUMMARY OF DEEP SUBSURFACE SOIL VOC ANALYTICAL DATA - SWMU 11/AOC 2 RADIO MATERIALS CORPORATION ATTICA, INDIANA

Sample Location: Sample ID: Sample Date:	IDEM RISC	IDEM RISC	B-1125 S-090304-MG-087 9/3/2004	B-1126 S-090104-MG-085 9/1/2004	B-1127 S-090104-MG-083 9/1/2004	B-1128 S-091004-MG-107 9/10/2004	B-1129 S-090904-MG-104 9/9/2004	B-1130 S-083104-MG-080 8/31/2004	B-1131 S-083004-MG-075 8/30/2004	B-1132 S-083104-MG-078 8/31/2004	B-1133 S-070505-TP-163 7/5/2005	B-1134 S-070605-TP-165 7/6/2005	B-1135 S-070805-TP-168 7/8/2005	B-1136 S-071105-TP-173 7/11/2005	B-1137 S-071405-TP-184 7/14/2005	B-1138 S-071405-TP-187 7/14/2005
Sample Depth:	IDCL	RDCL	52-54 ft BGS	48-50 ft BGS	55-57 ft BGS	44-46 ft BGS	50-52 ft BGS	52-54 ft BGS	46-48 ft BGS	54-56 ft BGS	42-44 ft BGS	52-54 ft BGS	48-50 ft BGS	48-50 ft BGS	46-48 ft BGS	44-46 ft BGS
	а	ь														
Volatile Organic Compounds (mg/kg) 1,1,1,2-Tetrachloroethane	0.85	0.053	ND (0.006)	ND (0.0062)	ND (0.006)	ND (0.0059)	ND (0.0055)	ND (0.0063)	ND (0.0053)	ND (0.006)	ND (0.0051)	ND (0.0056)	ND (0.0069)	ND (0.0057)	ND (0.0066)	ND (0.0063)
1,1,1-Trichloroethane	280	1.9	ND (0.006)	ND (0.0062)	ND (0.006)	ND (0.0059)	ND (0.0055)	ND (0.0063)	ND (0.0053)	ND (0.006)	ND (0.0051)	ND (0.0056)	ND (0.0069)	ND (0.0057)	ND (0.0066)	ND (0.0063)
1,1,2,2-Tetrachloroethane	0.11	0.007	ND (0.006)	ND (0.0062)	ND (0.006)	ND (0.0059)	ND (0.0055)	ND (0.0063)	ND (0.0053)	ND (0.006)	ND (0.0051)	ND (0.0056)	ND (0.0069)	ND (0.0057)	ND (0.0066)	ND (0.0063)
1,1,2-Trichloroethane 1,1-Dichloroethane	0.3 58	0.03 5.6	ND (0.006) ND (0.006)	ND (0.0062) ND (0.0062)	ND (0.006) ND (0.006)	ND (0.0059) ND (0.0059)	ND (0.0055) ND (0.0055)	ND (0.0063) ND (0.0063)	ND (0.0053) ND (0.0053)	ND (0.006) ND (0.006)	ND (0.0051) ND (0.0051)	ND (0.0056) ND (0.0056)	ND (0.0069) ND (0.0069)	ND (0.0057) ND (0.0057)	ND (0.0066) ND (0.0066)	ND (0.0063) ND (0.0063)
1,1-Dichloroethene	42	0.058	ND (0.006)	ND (0.0062)	ND (0.006)	ND (0.0059)	ND (0.0055)	ND (0.0063)	ND (0.0053)	ND (0.006)	ND (0.0051)	ND (0.0056)	ND (0.0069)	ND (0.0057)	ND (0.0066)	ND (0.0063)
1,1-Dichloropropene	*	*	ND (0.006)	ND (0.0062)	ND (0.006)	ND (0.0059)	ND (0.0055)	ND (0.0063)	ND (0.0053)	ND (0.006)	ND (0.0051)	ND (0.0056)	ND (0.0069)	ND (0.0057)	ND (0.0066)	ND (0.0063)
1,2,3-Trichlorobenzene	*	*	ND (0.006)	ND (0.0062)	ND (0.006)	ND (0.0059)	ND (0.0055)	ND (0.0063)	ND (0.0053)	ND (0.006)	ND (0.0051)	ND (0.0056)	ND (0.0069)	ND (0.0057)	ND (0.0066)	ND (0.0063)
1,2,3-Trichloropropane 1,2,4-Trichlorobenzene	77	5.3	ND (0.006) ND (0.024)	ND (0.0062) ND (0.025)	ND (0.006) ND (0.024)	ND (0.0059) ND (0.024)	ND (0.0055) ND (0.022)	ND (0.0063) ND (0.026)	ND (0.0053) ND (0.022)	ND (0.006) ND (0.024)	ND (0.0051) ND (0.021)	ND (0.0056) ND (0.023)	ND (0.0069) ND (0.028)	ND (0.0057) ND (0.023)	ND (0.0066) ND (0.027)	ND (0.0063) ND (0.025)
1,2,4-Trimethylbenzene	170	2.5	ND (0.024)	ND (0.025)	ND (0.024)	ND (0.024)	ND (0.022)	ND (0.026)	ND (0.022)	ND (0.024)	ND (0.021)	ND (0.023)	ND (0.028)	ND (0.023)	ND (0.027)	ND (0.025)
1,2-Dibromo-3-chloropropane (DBCP)	*	*	ND (0.024)	ND (0.025)	ND (0.024)	ND (0.024)	ND (0.022)	ND (0.026)	ND (0.022)	ND (0.024)	ND (0.021)	ND (0.023)	ND (0.028)	ND (0.023)	ND (0.027)	ND (0.025)
1,2-Dibromoethane (Ethylene Dibromide)	*	*	ND (0.006)	ND (0.0062)	ND (0.006)	ND (0.0059)	ND (0.0055)	ND (0.0063)	ND (0.0053)	ND (0.006)	ND (0.0051)	ND (0.0056)	ND (0.0069)	ND (0.0057)	ND (0.0066)	ND (0.0063)
1,2-Dichlorobenzene 1,2-Dichloroethane	220 0.15	17 0.024	ND (0.006) ND (0.006)	ND (0.0062) ND (0.0062)	ND (0.006) ND (0.006)	ND (0.0059) ND (0.0059)	ND (0.0055) ND (0.0055)	ND (0.0063) ND (0.0063)	ND (0.0053) ND (0.0053)	ND (0.006) ND (0.006)	ND (0.0051) ND (0.0051)	ND (0.0056) ND (0.0056)	ND (0.0069) ND (0.0069)	ND (0.0057) ND (0.0057)	ND (0.0066) ND (0.0066)	ND (0.0063) ND (0.0063)
1,2-Dichloropropane	0.25	0.03	ND (0.006)	ND (0.0062)	ND (0.006)	ND (0.0059)	ND (0.0055)	ND (0.0063)	ND (0.0053)	ND (0.006)	ND (0.0051)	ND (0.0056)	ND (0.0069)	ND (0.0057)	ND (0.0066)	ND (0.0063)
1,3,5-Trimethylbenzene	68	0.61	ND (0.006)	ND (0.0062)	ND (0.006)	ND (0.0059)	ND (0.0055)	ND (0.0063)	ND (0.0053)	ND (0.006)	ND (0.0051)	ND (0.0056)	ND (0.0069)	ND (0.0057)	ND (0.0066)	ND (0.0063)
1,3-Dichlorobenzene	2.7	0.2	ND (0.006)	ND (0.0062)	ND (0.006)	ND (0.0059)	ND (0.0055)	ND (0.0063)	ND (0.0053)	ND (0.006)	ND (0.0051)	ND (0.0056)	ND (0.0069)	ND (0.0057)	ND (0.0066)	ND (0.0063)
1,3-Dichloropropane 1,4-Dichlorobenzene	* 3.4	* 2.2	ND (0.006) ND (0.006)	ND (0.0062) ND (0.0062)	ND (0.006) ND (0.006)	ND (0.0059) ND (0.0059)	ND (0.0055) ND (0.0055)	ND (0.0063) ND (0.0063)	ND (0.0053) ND (0.0053)	ND (0.006) ND (0.006)	ND (0.0051) ND (0.0051)	ND (0.0056) ND (0.0056)	ND (0.0069) ND (0.0069)	ND (0.0057) ND (0.0057)	ND (0.0066) ND (0.0066)	ND (0.0063) ND (0.0063)
2,2-Dichloropropane	*	*	ND (0.006)	ND (0.0062) ND (0.0062)	ND (0.006)	ND (0.0059)	ND (0.0055)	ND (0.0063)	ND (0.0053)	ND (0.006)	ND (0.0051)	ND (0.0056)	ND (0.0069)	ND (0.0057)	ND (0.0066)	ND (0.0063)
2-Butanone (Methyl Ethyl Ketone)	250	35	ND (0.024) UJ	ND (0.025) ÚJ	ND (0.024) UJ	ND (0.024) UJ	ND (0.022) UJ	ND (0.026) UJ	ND (0.022) UJ	ND (0.024) UJ	ND (0.021) ÚJ	ND (0.023) UJ	ND (0.028) UJ	ND (0.023) UJ	ND (0.027) UJ	ND (0.025) UJ
2-Chlorotoluene	*	*	ND (0.024)	ND (0.025)	ND (0.024)	ND (0.024)	ND (0.022)	ND (0.026)	ND (0.022)	ND (0.024)	ND (0.021)	ND (0.023)	ND (0.028)	ND (0.023)	ND (0.027)	ND (0.025)
2-Hexanone 2-Phenylbutane (sec-Butylbenzene)	*	*	ND (0.024) ND (0.024)	ND (0.025) ND (0.025)	ND (0.024) ND (0.024)	ND (0.024) ND (0.024)	ND (0.022) UJ ND (0.022)	ND (0.026) ND (0.026)	ND (0.022) ND (0.022)	ND (0.024) ND (0.024)	ND (0.021) ND (0.021)	ND (0.023) ND (0.023)	ND (0.028) ND (0.028)	ND (0.023) ND (0.023)	ND (0.027) ND (0.027)	ND (0.025) ND (0.025)
4-Chlorotoluene	*	*	ND (0.024) ND (0.024)	ND (0.025)	ND (0.024)	ND (0.024) ND (0.024)	ND (0.022)	ND (0.026)	ND (0.022)	ND (0.024)	ND (0.021) ND (0.021)	ND (0.023)	ND (0.028)	ND (0.023)	ND (0.027)	ND (0.025)
4-Methyl-2-Pentanone			, ,	,	,	,	, ,	, ,	,	,	, ,	,	, ,	,	,	,
(Methyl Isobutyl Ketone)	75	20	ND (0.024)	ND (0.025)	ND (0.024)	ND (0.024)	ND (0.022) UJ	ND (0.026)	ND (0.022)	ND (0.024)	ND (0.021)	ND (0.023)	ND (0.028)	ND (0.023)	ND (0.027)	ND (0.025)
Acetone	370 0.35	3.8 0.034	ND (0.024) ND (0.006)	ND (0.025) ND (0.0062)	ND (0.024) UJ ND (0.006)	ND (0.024) UJ ND (0.0059)	ND (0.022) ND (0.0055)	ND (0.026) UJ ND (0.0063)	ND (0.022) UJ ND (0.0053)	ND (0.024) UJ ND (0.006)	ND (0.021) ND (0.0051)	0.014 J ND (0.0056)	ND (0.028) ND (0.0069)	ND (0.023) ND (0.0057)	ND (0.027) ND (0.0066)	ND (0.025) ND (0.0063)
Benzene Bromobenzene	v.55 *	*	ND (0.006) ND (0.006)	ND (0.0062) ND (0.0062)	ND (0.006) ND (0.006)	ND (0.0059)	ND (0.0055)	ND (0.0063)	ND (0.0053) ND (0.0053)	ND (0.006)	ND (0.0051)	ND (0.0056) ND (0.0056)	ND (0.0069)	ND (0.0057)	ND (0.0066)	ND (0.0063)
Bromodichloromethane	0.51	0.51	ND (0.006)	ND (0.0062)	ND (0.006)	ND (0.0059)	ND (0.0055)	ND (0.0063)	ND (0.0053)	ND (0.006)	ND (0.0051)	ND (0.0056)	ND (0.0069)	ND (0.0057)	ND (0.0066)	ND (0.0063)
Bromoform	2.7	0.6	ND (0.006)	ND (0.0062)	ND (0.006)	ND (0.0059)	ND (0.0055)	ND (0.0063)	ND (0.0053)	ND (0.006)	ND (0.0051)	ND (0.0056)	ND (0.0069)	ND (0.0057)	ND (0.0066)	ND (0.0063)
Bromomethane (Methyl Bromide) Carbon disulfide	0.7 82	0.052 10	ND (0.006) ND (0.006)	ND (0.0062) ND (0.0062)	ND (0.006) ND (0.006)	ND (0.0059) ND (0.0059)	ND (0.0055) ND (0.0055)	ND (0.0063) ND (0.0063)	ND (0.0053) ND (0.0053)	ND (0.006) ND (0.006)	ND (0.0051) ND (0.0051)	ND (0.0056) ND (0.0056)	ND (0.0069) ND (0.0069)	ND (0.0057) UJ ND (0.0057)	ND (0.0066) UJ ND (0.0066)	ND (0.0063) UJ ND (0.0063)
Carbon tetrachloride	0.29	0.066	ND (0.006)	ND (0.0062) ND (0.0062)	ND (0.006)	ND (0.0059)	ND (0.0055)	ND (0.0063)	ND (0.0053)	ND (0.006)	ND (0.0051)	ND (0.0056)	ND (0.0069)	ND (0.0057)	ND (0.0066)	ND (0.0063)
Chlorobenzene	27	1.3	ND (0.006)	ND (0.0062)	ND (0.006)	ND (0.0059)	ND (0.0055)	ND (0.0063)	ND (0.0053)	ND (0.006)	ND (0.0051)	ND (0.0056)	ND (0.0069)	ND (0.0057)	ND (0.0066)	ND (0.0063)
Chlorobromomethane	*	*	ND (0.006)	ND (0.0062)	ND (0.006)	ND (0.0059)	ND (0.0055)	ND (0.0063)	ND (0.0053)	ND (0.006)	ND (0.0051)	ND (0.0056)	ND (0.0069)	ND (0.0057)	ND (0.0066)	ND (0.0063)
Chloroethane Chloroform (Trichloromethane)	10 1.2	0.65 0.47	ND (0.006) ND (0.006)	ND (0.0062) ND (0.0062)	ND (0.006) ND (0.006)	ND (0.0059) ND (0.0059)	ND (0.0055) ND (0.0055)	ND (0.0063) ND (0.0063)	ND (0.0053) ND (0.0053)	ND (0.006) ND (0.006)	ND (0.0051) ND (0.0051)	ND (0.0056) ND (0.0056)	ND (0.0069) ND (0.0069)	ND (0.0057) ND (0.0057)	ND (0.0066) ND (0.0066)	ND (0.0063) ND (0.0063)
Chloromethane (Methyl Chloride)	*	*	ND (0.006)	ND (0.0062) ND (0.0062)	ND (0.006)	ND (0.0059)	ND (0.0055)	ND (0.0063)	ND (0.0053)	ND (0.006)	ND (0.0051)	ND (0.0056)	ND (0.0069)	ND (0.0057)	ND (0.0066)	ND (0.0063)
cis-1,2-Dichloroethene	5.8	0.4	0.014	0.002 J	0.0021 J	ND (0.0059)	ND (0.0055)	ND (0.0063)	ND (0.0053)	ND (0.006)	ND (0.0051)	ND (0.0056)	ND (0.0069)	0.004 J	ND (0.0066)	0.0017 J
cis-1,3-Dichloropropene	*	*	ND (0.006)	ND (0.0062)	ND (0.006)	ND (0.0059)	ND (0.0055) UJ	ND (0.0063)	ND (0.0053)	ND (0.006)	ND (0.0051)	ND (0.0056)	ND (0.0069)	ND (0.0057)	ND (0.0066)	ND (0.0063)
Cymene (p-Isopropyltoluene)	*	*	ND (0.024)	ND (0.025)	ND (0.024)	ND (0.024)	ND (0.022)	ND (0.026)	ND (0.022)	ND (0.024)	ND (0.021)	ND (0.023)	ND (0.028)	ND (0.023)	ND (0.027)	ND (0.025)
Dibromochloromethane Dibromomethane	*	*	ND (0.006) ND (0.006)	ND (0.0062) ND (0.0062)	ND (0.006) ND (0.006)	ND (0.0059) ND (0.0059)	ND (0.0055) ND (0.0055)	ND (0.0063) ND (0.0063)	ND (0.0053) ND (0.0053)	ND (0.006) ND (0.006)	ND (0.0051) ND (0.0051)	ND (0.0056) ND (0.0056)	ND (0.0069) ND (0.0069)	ND (0.0057) ND (0.0057)	ND (0.0066) ND (0.0066)	ND (0.0063) ND (0.0063)
Dichlorodifluoromethane (CFC-12)	*	*	ND (0.006)	ND (0.0062)	ND (0.006)	ND (0.0059)	ND (0.0055)	ND (0.0063)	ND (0.0053)	ND (0.006)	ND (0.0051)	ND (0.0056)	ND (0.0069)	ND (0.0057)	ND (0.0066)	ND (0.0063)
Ethylbenzene	160	13	ND (0.006)	ND (0.0062)	ND (0.006)	ND (0.0059)	ND (0.0055)	ND (0.0063)	ND (0.0053)	ND (0.006)	ND (0.0051)	ND (0.0056)	ND (0.0069)	ND (0.0057)	ND (0.0066)	ND (0.0063)
Hexachlorobutadiene	44	16	ND (0.024)	ND (0.025)	ND (0.024)	ND (0.024)	ND (0.022)	ND (0.026)	ND (0.022)	ND (0.024)	ND (0.021)	ND (0.023)	ND (0.028)	ND (0.023)	ND (0.027)	ND (0.025)
Isopropylbenzene m&p-Xylene	*	*	ND (0.006) ND (0.006)	ND (0.0062) ND (0.0062)	ND (0.006) ND (0.006)	ND (0.0059) ND (0.0059)	ND (0.0055) UJ ND (0.0055)	ND (0.0063) ND (0.0063)	ND (0.0053) ND (0.0053)	ND (0.006) ND (0.006)	ND (0.0051) ND (0.0051)	ND (0.0056) ND (0.0056)	ND (0.0069) ND (0.0069)	ND (0.0057) ND (0.0057)	ND (0.0066) ND (0.0066)	ND (0.0063) ND (0.0063)
Methylene chloride	1.8	0.023	ND (0.012)	ND (0.002)	ND (0.000)	ND (0.012) UJ	ND (0.0033)	ND (0.013)	ND (0.0033)	ND (0.000)	ND (0.0031)	0.0047 J	ND (0.003)	ND (0.0037)	0.0069 J	0.0048 J
Naphthalene	170	0.7	ND (0.006)	ND (0.0062)	ND (0.006)	ND (0.0059)	ND (0.0055)	ND (0.0063)	ND (0.0053)	ND (0.006)	ND (0.0051)	ND (0.0056)	ND (0.0069)	ND (0.0057)	ND (0.0066)	ND (0.0063)
n-Butylbenzene	*	*	ND (0.024)	ND (0.025)	ND (0.024)	ND (0.024)	ND (0.022)	ND (0.026)	ND (0.022)	ND (0.024)	ND (0.021)	ND (0.023)	ND (0.028)	ND (0.023)	ND (0.027)	ND (0.025)
n-Propylbenzene o-Xylene	*	*	ND (0.024) ND (0.006)	ND (0.025) ND (0.0062)	ND (0.024) ND (0.006)	ND (0.024) ND (0.0059)	ND (0.022) ND (0.0055)	ND (0.026) ND (0.0063)	ND (0.022) ND (0.0053)	ND (0.024) ND (0.006)	ND (0.021) ND (0.0051)	ND (0.023) ND (0.0056)	ND (0.028) ND (0.0069)	ND (0.023) ND (0.0057)	ND (0.027) ND (0.0066)	ND (0.025) ND (0.0063)
Styrene	550	3.5	ND (0.006)	ND (0.0062)	ND (0.006)	ND (0.0059)	ND (0.0055)	ND (0.0063)	ND (0.0053)	ND (0.006)	ND (0.0051)	ND (0.0056)	ND (0.0069)	ND (0.0057)	ND (0.0066)	ND (0.0063)
tert-Butylbenzene	*	*	ND (0.024)	ND (0.025)	ND (0.024)	ND (0.024)	ND (0.022)	ND (0.026)	ND (0.022)	ND (0.024)	ND (0.021)	ND (0.023)	ND (0.028)	ND (0.023)	ND (0.027)	ND (0.025)
Tetrachloroethene	0.64	0.058	0.041	0.019	0.0096	ND (0.0059)	0.0027 J	0.00046 J	ND (0.0053)	ND (0.006)	ND (0.0051)	0.0004 J	ND (0.0069)	0.001 J	ND (0.0066)	0.0054 J
Toluene	240	12	0.0013 J	ND (0.0062)	0.0013 J	ND (0.0059)	0.0011 J	ND (0.0063)	ND (0.0053)	ND (0.006)	ND (0.0051)	ND (0.0056)	ND (0.0069)	ND (0.0057)	ND (0.0066)	ND (0.0063)
trans-1,2-Dichloroethene trans-1,3-Dichloropropene	14	0.68	ND (0.006) ND (0.006)	ND (0.0062) ND (0.0062)	ND (0.006) ND (0.006)	ND (0.0059) ND (0.0059)	ND (0.0055) ND (0.0055)	ND (0.0063) ND (0.0063)	ND (0.0053) ND (0.0053)	ND (0.006) ND (0.006)	ND (0.0051) ND (0.0051)	ND (0.0056) ND (0.0056)	ND (0.0069) ND (0.0069)	ND (0.0057) ND (0.0057)	ND (0.0066) ND (0.0066)	ND (0.0063) ND (0.0063)
Trichloroethene	0.082	0.057	0.13 ^{ab}	0.21 ^{ab}	6.2 ^{ab}	0.013	0.17 ^{ab}	0.11 ^{ab}	0.09 ^{ab}	0.034	ND (0.0051)	0.033	0.029	0.016	0.02	0.068 ^b
Trichlorofluoromethane (CFC-11)	*	*	ND (0.006)	ND (0.0062)	ND (0.006)	ND (0.0059)	ND (0.0055)	ND (0.0063)	ND (0.0053)	ND (0.006)	ND (0.0051)	ND (0.0056)	ND (0.0069)	ND (0.0057)	ND (0.0066)	ND (0.0063)
Vinyl chloride	0.013	0.013	ND (0.006)	ND (0.0062)	ND (0.006)	ND (0.0059)	ND (0.0055)	ND (0.0063)	ND (0.0053)	ND (0.006)	ND (0.0051)	ND (0.0056)	ND (0.0069)	ND (0.0057)	ND (0.0066)	ND (0.0063)

Notes:

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RISC - Risk Integrated System of Closure
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TABLE 4.30

SUMMARY OF DEEP SUBSURFACE SOIL METALS ANALYTICAL DATA - SWMU 11/AOC 2 RADIO MATERIALS CORPORATION ATTICA, INDIANA

Sample Location: Sample ID: Sample Date: Sample Depth:	IDEM RISC IDCL a	IDEM RISC RDCL b	Background Subsurface c	B-1106 S-082003-MG-085 8/20/2003 44-47 ft BGS	B-1111 S-092203-MG-324 9/22/2003 54-56 ft BGS	B-1111 S-092203-MG-325 9/22/2003 54-56 ft BGS Duplicate	B-1112 S-092203-MG-326 9/22/2003 54-56 ft BGS	B-1113 S-092403-MG-334 9/24/2003 56-58 ft BGS	B-1114 S-092503-MG-339 9/25/2003 50-52 ft BGS	B-1118 S-092603-MG-341 9/26/2003 52-54 ft BGS
Metals (mg/kg)										
Aluminum	*	*	27784	2310	1860	3090	2580	3580	3050	2140
Antimony	37	5.4	0.253	0.07 J	0.08 J	0.11 J	0.22 J	0.06 J	0.07 J	0.08 J
Arsenic	20	3.9	14.1	3.5	3.4	3.3	5.7 b	4 ^b	5.9 b	4 ^b
Barium	5900	1600	183	12	12.9	13.2	32.5	27.3	18.7	12
Beryllium	2300	63	0.867	0.11	0.109	0.091	0.131	0.09	0.14	0.141
Cadmium	77	7.5	0.343	0.17	0.12	0.14	0.15	0.13	0.17	0.13
Calcium	*	*	149433	101000	110000	138000	66900	107000	91200	112000
Chromium Total	120	38	34.8	6.1	5.3	5.6	3.1	8.6	9.1	6.1
Cobalt	*	*	16.7	ND (2.3)	3.3	4	4.4	4.6	5.2	2.9
Copper	2700	920	24.1	7.5	9.35	8.94	10.2	21.5	9.9	11
Iron	*	*	40266	8930	7870	8450	15000	16000	12900	8470
Lead	230	81	41.1	14	6.77	6.35	9.26	7.79	7.06	6.48
Magnesium	*	*	49338	25900	22900 J	42200 J	20700	48300	31600	30700
Manganese	*	*	1370	357	294	428	307	596	365	433
Mercury	32	2.1	0.097	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)
Nickel	2700	950	38.4	21.5	30.7	31.3	30.6	43.6 °	25.5	26.5
Potassium	*	*	2496	ND (450)	391 J	577	562	747	539	403 J
Selenium	53	5.2	-	ND (1.1)	0.3 J	0.5 J	0.3 J	ND (1.1)	ND (0.9)	0.5 J
Silver	87	31	0.789	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	0.02	ND (0.02)
Sodium	*	*	179	101	77.2	177	67.3	155	90.7	91.7
Thallium	10	2.8	0.412	0.09	0.093	0.087	0.162	0.1	0.23	0.105
Vanadium	*	*	36.6	7.9	6.66	6.57	6.06	10.8	7.5	7.83
Zinc	10000	10000	121	61.2	47.6	37.8	60.6	48	53.3	39.4

Notes:

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TABLE 4.31

SUMMARY OF SURFACE SOIL SVOC ANALYTICAL DATA - AOC 3A RADIO MATERIALS CORPORATION ATTICA, INDIANA

Sample Location:			AOC3A-B-5
Sample ID: Sample Date:	IDEM RISC	IDEM RISC	S-100703-MG-374 10/7/2003
Sample Dute:	IDCL	RDCL	0-0.5 ft BGS
	а	\boldsymbol{b}	,
Semivolatile Organic Compounds (mg/kg)			
1,2,4-Trichlorobenzene	77	5.3	ND (0.31)
1,2-Dichlorobenzene	220	17	ND (0.31)
1,3-Dichlorobenzene	2.7	0.2	ND (0.31)
1,4-Dichlorobenzene 2,2'-oxybis(1-Chloropropane)	3.4	2.2	ND (0.31)
(bis(2-chloroisopropyl) ether)	0.26	0.027	ND (0.31)
2,4,5-Trichlorophenol	690	250	ND (0.31)
2,4,6-Trichlorophenol	0.2	0.07	ND (0.31)
2,4-Dichlorophenol 2,4-Dimethylphenol	3	1.1	ND (0.31)
2,4-Dinitrophenol	25 0.82	9 0.29	ND (0.31) ND (1.9)
2,4-Dinitrotoluene	*	*	ND (0.31)
2,6-Dinitrotoluene	*	*	ND (0.31)
2-Chloronaphthalene	560	42	ND (0.31)
2-Chlorophenol	10	0.75	ND (0.31)
2-Methylnaphthalene 2-Methylphenol	210 39	16 14	ND (0.31) ND (0.31)
2-Nitroaniline	0.036	0.013	ND (1.9)
2-Nitrophenol	*	*	ND (0.31)
3,3'-Dichlorobenzidine	0.21	0.062	ND (1.9)
3-Nitroaniline	*	*	ND (1.9)
4,6-Dinitro-2-methylphenol 4-Bromophenyl phenyl ether	*	*	ND (1.9) ND (0.31)
4-Chloro-3-methylphenol	*	*	ND (0.31)
4-Chloroaniline	2.7	0.97	ND (0.31)
4-Chlorophenyl phenyl ether	*	*	ND (0.31)
4-Methylphenol 4-Nitroaniline	3	1.1	ND (0.31)
4-Nitroannine 4-Nitrophenol	*	*	ND (1.9) ND (1.9)
Acenaphthene	1200	130	ND (0.31)
Acenaphthylene	180	18	ND (0.31)
Aniline	*	*	ND (0.94)
Anthracene	51	51	ND (0.31)
Benzo(a)anthracene Benzo(a)pyrene	15 1.5	5 0.50	0.027 J ND (0.31)
Benzo(b)fluoranthene	15	5	ND (0.31)
Benzo(g,h,i)perylene	16	16	ND (0.31)
Benzo(k)fluoranthene	39	39	ND (0.31)
Benzoic acid	1600	590	ND (1.9)
Benzyl Alcohol bis(2-Chloroethoxy)methane	140	48	ND (0.31) ND (0.31)
bis(2-Chloroethyl)ether	0.012	0.0007	ND (0.31)
bis(2-Ethylhexyl)phthalate	980	300	0.032 J
Butyl benzylphthalate	310	310	ND (0.31)
Chrysene	25	25	0.042 J
Dibenz(a,h)anthracene Dibenzofuran	1.5 65	0.5 4.9	ND (0.31) ND (0.31)
Diethyl phthalate	840	450	ND (0.31)
Dimethyl phthalate	1100	1100	ND (0.31)
Di-n-butylphthalate	760	760	ND (0.31)
Di-n-octyl phthalate Fluoranthene	2000 880	2000	ND (0.31)
Fluorene	1100	880 170	0.096 J ND (0.31)
Hexachlorobenzene	3.9	2.2	ND (0.31)
Hexachlorobutadiene	44	16	ND (0.31)
Hexachlorocyclopentadiene	720	400	ND (0.31)
Hexachloroethane Indeno(1,2,3-cd)pyrene	7.7	2.8	ND (0.31)
Isophorone	3.1 18	3.1 5.3	ND (0.31) ND (0.31)
Naphthalene	170	0.7	ND (0.31)
Nitrobenzene	0.34	0.028	ND (0.31)
N-Nitrosodimethylamine	*	*	ND (1.9)
N-Nitrosodi-n-propylamine	0.002	0.0006	ND (0.31)
N-Nitrosodiphenylamine Pentachlorophenol	3 <u>2</u> 0.66	9.7 0.028	ND (0.31) ND (1.9)
Phenanthrene	170	13	0.087 J
Phenol	160	56	ND (0.31)
Pyrene	570	570	0.086 J

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TABLE 4.32A

AOC 3B SURFACE SOIL ANALYTICAL RESULTS SUMMARY RADIO MATERIALS CORPORATION ATTICA, INDIANA

Sample Location: Sample ID: Sample Date: Sample Depth: Parameters	IDI RISC RDCL	EM RISC IDCL	Background Surface	AOC3B-101 S-100703-MG-370 10/7/2003 (0-0.5) ft BGS	AOC3B-101 S-100703-MG-371 10/7/2003 (0-0.5) ft BGS (Duplicate)	AOC3B-102 S-100703-MG-368 10/7/2003 (0-0.5) ft BGS	AOC3B-103 S-100703-MG-366 10/7/2003 (0-0.5) ft BGS	AOC3B-AOC3B-S-01 S19190-022808-SJ-01 2/28/2008 (0-0.5) ft BGS	AOC3B-S-02 \$19190-022808-SJ-02 2/28/2008 (0-0.5) ft BGS	AOC3B-S-03 S19190-022808-SJ-03 2/28/2008 (0-0.5) ft BGS	AOC3B-S-04 \$19190-022808-SJ-04 2/28/2008 (0-0.5) ft BGS	AOC3B-S-05 S19190-022808-SJ-05 2/28/2008 (0-0.5) ft BGS	AOC3B-S-06 S19190-022808-SJ-06 2/28/2008 (0-0.5) ft BGS	AOC3B-S-07 S19190-022808-SJ-07 2/28/2008 (0-0.5) ft BGS	AOC3B-S-08 \$19190-022808-SJ-08 2/28/2008 (0-0.5) ft BGS
Metals (mg/kg)	а	ь	c												
Aluminum	_	_	17777	7090	8680	9660 J	8800	_	-	_	_	_	_	-	_
Antimony	5.4	37	0.606	2.32 J ^c	2.31 J ^c	19.3 J ^{ac}	6.14 J ^{ac}	_	_	_	_	_	_	_	_
Arsenic	3.9	5.8	17.9	4ª	4.4 ^a	5.2°	6 ^{ab}	_				_			
Barium	1600	10000	897	101	107	879 J	420	-	-	-	-	-	-	-	-
Beryllium	63	2300	0.700	0.19	0.26	0.3	0.38	_	_	_	_	_	_	_	_
Cadmium	7.5	77	0.513	0.81°	0.87^{c}	3.3 ^c	4.35°	_	_	_	_	_	_	_	_
Calcium	-	-	361389	74300	74400	33100 J	10000	-	-	-	-	-	-	-	-
Chromium	38	120	25.0	15.5	18.5	23.1	18.6	-	-	-	-	-	-	-	-
Cobalt	-	-	14.7	6.2	6	8	6.4	-	-	-	-	-	-	-	-
Copper	920	2900	25.1	16.3	18.9	59.1°	170°	-	-	-	-	-	-	-	-
Iron	-	-	22420	14300	14800	18700	16500	-	-	-	-	-	-	-	-
Lead	81	230	48.2	763 ^{abc}	863 ^{abc}	6550 ^{abc}	3290 ^{abc}	30.5	31.9	109 ^{ac}	287 ^{abc}	164 ^{ac}	68.5°	174 ^{ac}	16.7 J
Magnesium	-	-	39600	34500	28500	16300 J	5460	-	-	-	-	-	-	-	-
Manganese	-	-	2276	419	421	588 J	140	-	-	-	-	-	-	-	-
Mercury	2.1	32	0.07	0.04	0.04	0.06	0.11 ^c	-	-	-	-	-	-	-	-
Nickel	950	2700	36.07	17.9	17.4	18.2	17.6	-	-	-	-	-	-	-	-
Potassium	-	-	2338	1300	1750	1410	928	-	-	-	-	-	-	-	-
Selenium	5.2	53	-	ND (0.8)	ND (1)	ND (0.8)	1.5	-	-	-	-	-	-	-	-
Silver	31	87	1.07	11.2°	13.5°	29.1°	59.6 ^{ac}	-	-	-	-	-	-	-	-
Sodium	-	-	153.1	107	103	76.3	52.8	-	-	-	-	-	-	-	-
Thallium	2.8	10	0.38	0.12	0.13	0.18	0.18	-	-	-	-	-	-	-	-
Vanadium	-	-	33.7	10.3	13.2	14.7	19	-	-	-	-	-	-	-	-
Zinc	10000	10000	151	427°	474°	1760°	7120°	-	-	-	-	-	-	-	-

Notes:

IDEM - Indiana Department of Environmental Management
RISC - Risk Integrated System of Closure
IDCL - Industrial Default Closure Level

RDCL - Residential Default Closure Level

* - Criteria not established for this analyte.

-- - Not Analyzed

BGS - below ground surface

mg/kg - milligrams per kilogram
mg/L - milligrams per liter
ND(1.1) - Analyte not detected at quantitation limit in parenthesis.
J - The associated value is an estimated quantity.
UJ - The material was analyzed for, but was not detected. The associated value is an estimate and may be inaccurate or imprecise

TABLE 4.32B

AOC 3B SUBSURFACE SOIL ANALYTICAL RESULTS SUMMARY RADIO MATERIALS CORPORATION ATTICA, INDIANA

Sample Location: Sample ID: Sample Date: Sample Depth:	ID RISC	DEM RISC	Background	AOC3B-101 S-101403-MG-375 10/14/2003 (1-1.5) ft BGS	AOC3B-102 S-100703-MG-369 10/7/2003 (1-1.5) ft BGS	AOC3B-103 S-100703-MG-367 10/7/2003 (1-1.5) ft BGS	3AOC3B-104A SS-090204-MG-023 9/2/2004 (0-1) ft BGS	3AOC3B-104A SS-090204-MG-024 9/2/2004 (0-1) ft BGS (Duplicate)	3AOC3B-104A SS-090204-MG-025 9/2/2004 (1-2) ft BGS	3AOC3B-104B SS-090204-MG-026 9/2/2004 (0-1) ft BGS	3AOC3B-104B SS-090204-MG-027 9/2/2004 (1-2) ft BGS	3AOC3B-104C SS-090204-MG-028 9/2/2004 (0-1) ft BGS	3AOC3B-104C SS-090204-MG-029 9/2/2004 (1-2) ft BGS	3AOC3B-105A SS-090204-MG-032 9/2/2004 (0-1) ft BGS	3AOC3B-105A SS-090204-MG-033 9/2/2004 (1-2) ft BGS	3AOC3B-105B SS-090204-MG-034 9/2/2004 (0-1) ft BGS
Parameters	RDCL a	IDCL h	Subsurface													
Metals (mg/kg)			Ü													
Aluminum	-	-	27562	10100	7770	11500	-	-	-	-	-	-	-	-	-	-
Antimony	5.4	37	0.252	0.39 J ^c	28.2 J ^{ac}	4.13 J ^c	-	-	-	-	-	-	-	-	_	-
Arsenic	3.9	5.8	10.6	6.1 ^{ab}	4.3ª	7.6 ^{ab}	-	-	-	-	-	-	-	-	_	-
_ Barium	1600	10000	181	112	372°	84.7	-	-	-	_	-	-	_	_	_	_
Beryllium	63	2300	0.86	0.38	0.24	0.42	-	-	-	-	-	-	-	-	-	-
Cadmium	7.5	77	0.341	0.37 ^c	3.45°	0.46°	-	-	-	-	-	-	-	-	-	-
Calcium	-	-	147894	30500 J	23400	28100	-	-	-	-	-	-	-	-	-	-
Chromium	38	120	34.6	14.7	46.8 ^{ac}	16.4	-	-	-	-	-	-	-	-	-	-
Cobalt	-	-	16.6	7.4	7.4	8	-	-	-	-	-	-	-	-	-	-
Copper	920	2900	24.0	12.6 J	344°	19.9	-	-	-	-	-	-	-	-	-	-
Iron	-	-	40017	18100	23800	20500	-	-	-	-	-	-	-	-	-	-
Lead	81	230	40.8	117 J ^{ac}	9150 ^{abc}	815 ^{abc}	843 ^{abc}	816 ^{abc}	408^{abc}	712 ^{abc}	222 ^{ac}	568 ^{abc}	614 ^{abc}	82.5 ^{ac}	112 ^{ac}	928 ^{abc}
Magnesium	-	-	48865	12000 J	12600	13800	-	-	-	-	-	-	-	-	-	-
Manganese	-	-	1360	590 J	314	210	-	-	-	-	-	-	-	-	-	-
Mercury	2.1	32	0.101	0.03	0.06	0.02	-	-	-	-	-	-	-	-	-	-
Nickel	950	2700	44.4	18.6 J	13.3	18.6	-	-	-	-	-	-	-	-	-	-
Potassium Selenium	- 5.2	- 53	2479	1470 ND (1)	1080 ND (0.7)	1660 ND (0.9)	-	-	-	-	-	-	-	-	-	-
			- 122	* *	, ,	, ,	-	-	-	-	-	-	-	-	-	-
Silver	31	87	0.132	2.58 J ^c	39.7 ^{ac}	1.2°	-	-	-	-	-	-	-	-	-	-
Sodium Thallium	2.8	10	177 0.41	51 0.27	62.9 0.12	132 0.21	-	-	-	-	-	-	-	-	-	-
Vanadium	2.0	10	36.3	22.2 J	11.7	19.3	-	-	-	-	-	-	-	-	-	-
Zinc	10000	10000	120	131 J ^c	1960°	517°	-	-	-	-	-	-	-	-	-	-

TABLE 4.32B

AOC 3B SUBSURFACE SOIL ANALYTICAL RESULTS SUMMARY RADIO MATERIALS CORPORATION ATTICA, INDIANA

Sample Location: Sample ID: Sample Date: Sample Depth:	ID	DEM .		3AOC3B-105B SS-090204-MG-035 9/2/2004 (1-2) ft BGS	3AOC3B-105C SS-090204-MG-036 9/2/2004 (0-1) ft BGS	3AOC3B-105C SS-090204-MG-037 9/2/2004 (1-2) ft BGS	3AOC3B-106A SS-090204-MG-040 9/2/2004 (0-1) ft BGS	3AOC3B-106A SS-090204-MG-041 9/2/2004 (1-2) ft BGS	3AOC3B-106B SS-090204-MG-042 9/2/2004 (0-1) ft BGS	3AOC3B-106B SS-090204-MG-043 9/2/2004 (1-2) ft BGS	3AOC3B-106C SS-090204-MG-044 9/2/2004 (0-1) ft BGS	3AOC3B-106C SS-090204-MG-045 9/2/2004 (1-2) ft BGS	3AOC3B-107A SS-090204-MG-048 9/2/2004 (0-1) ft BGS	3AOC3B-107A SS-090204-MG-049 9/2/2004 (1-2) ft BGS	3AOC3B-107B SS-090204-MG-050 9/2/2004 (0-1) ft BGS	3AOC3B-107B SS-090204-MG-051 9/2/2004 (1-2) ft BGS
Sumple Deptin	RISC	RISC	Background	(1 2)) 1 2 0 0	(0 1/)1 200	(1 2)) (2 0 0	(0 1)) (2 0 0	(1 2)) 1 2 0 0	(0 1/)1 200	(1 2)) (2 0 0	(0 1)) (2 0 0	(1 2)) 1 2 0 0	(0 1)) (2 0 0	(1 2)) (200	(0 1/)1 200	(1 2/)1 200
Parameters	RDCL	IDCL	Subsurface													
	а	b	c													
Metals (mg/kg)																
Aluminum	-	-	27562	-	-	-	-	-	-	-	-	-	-	-	-	-
Antimony	5.4	37	0.252	-	-	-	-	-	-	-	-	-	-	-	_	-
Arsenic	3.9	5.8	10.6	_	_	-	-	-	_	-	_	_	_	-	_	_
_ Barium	1600	10000	181	_	_	_	_	_	_	_	_	_	_	_	_	_
Beryllium	63	2300	0.86	_	_	-	-	-	_	-	_	_	_	-	_	_
Cadmium	7.5	77	0.341	_	_	_	_	_	_	_		_	_	_	_	_
Calcium	-	-	147894	_	_	_	_	-	_	-	_	_	_	_	_	_
Chromium	38	120	34.6	_	_	_	_	_	_	_		_	_	_	_	_
Cobalt	-	-	16.6	_	_	_	_	-	_	-	_	_	_	_	_	_
Copper	920	2900	24.0	_	_	-	_	_	_	_	_	_	_	_	<u>-</u>	_
Iron	-	2,00	40017	-	_	-	-	-	_	-		_	_	-	_	-
Lead	81	230	40.8	362 ^{abc}	1470 ^{abc}	3020 ^{abc}	31	32.2	1590 ^{abc}	927 ^{abc}	1300 ^{abc}	1100 ^{abc}	25	21.5	20.6	15.6
Magnesium	-	-	48865	-	-	-	-	32.2	-	-	-	-	-	21.5	20.0	-
Manganese	_	_	1360	_	_	-	-	_	_	-	_	_	_	-	_	_
Mercury	2.1	32	0.101	_	_	-	-	_	_	_	_	_	_	-	_	_
Nickel	950	2700	44.4	-	-	-	-	-	-	-	-	-	-	-	-	-
Potassium	-	-	2479	-	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	5.2	53	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Silver	31	87	0.132	-	-	-	-	-	-	-	-	-	-	-	-	-
Sodium	-	-	177	-	-	-	-	-	-	-	-	-	-	-	-	-
Thallium	2.8	10	0.41	-	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium	-	-	36.3	-	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	10000	10000	120	-	-	-	-	-	_	-	-	-	-	-	-	-

TABLE 4.32B Page 3 of 3

AOC 3B SUBSURFACE SOIL ANALYTICAL RESULTS SUMMARY RADIO MATERIALS CORPORATION ATTICA, INDIANA

Sample Location: Sample ID: Sample Date: Sample Depth: Parameters	ID RISC RDCL a	EM RISC IDCL	Background Subsurface	3AOC3B-107C SS-090204-MG-053 9/2/2004 (0-1) ft BGS	3AOC3B-107C SS-090204-MG-054 9/2/2004 (1-2) ft BGS	3AOC3B-108A SS-090204-MG-057 9/2/2004 (0-1) ft BGS	3AOC3B-108A SS-090204-MG-058 9/2/2004 (1-2) ft BGS	3AOC3B-108B SS-090204-MG-059 9/2/2004 (0-1) ft BGS	3AOC3B-108B SS-090204-MG-060 9/2/2004 (1-2) ft BGS	3AOC3B-108B SS-090204-MG-061 9/2/2004 (1-2) ft BGS (Duplicate)	3AOC3B-108C SS-090204-MG-062 9/2/2004 (0-1) ft BGS	3AOC3B-108C SS-090204-MG-063 9/2/2004 (1-2) ft BGS	3AOC3B-109C SS-092404-MG-066 9/24/2004 (0-1) ft BGS	3AOC3B-109C SS-092404-MG-067 9/24/2004 (0-1) ft BGS (Duplicate)
Metals (mg/kg)	и	υ	·											
Aluminum	-	-	27562	-	-	-	-	-	-	-	-	-	-	-
Antimony	5.4	37	0.252	-	-	-	-	-	-	-	-	-	-	-
Arsenic	3.9	5.8	10.6	-	-	-	-	-	-	-	-	-	-	-
Barium	1600	10000	181	-	-	-	-	-	-	-	-	-	-	-
Beryllium	63	2300	0.86	-	-	-	-	-	-	-	-	-	-	-
Cadmium	7.5	77	0.341	-	-	-	-	-	-	-	-	-	-	-
Calcium	-	-	147894	-	-	-	-	-	-	-	-	-	-	-
Chromium	38	120	34.6	-	-	-	-	-	-	-	-	-	-	-
Cobalt	-	-	16.6	-	-	-	-	-	-	-	-	-	-	-
Copper	920	2900	24.0	-	-	-	-	-	-	-	-	-	-	-
Iron	-	-	40017		-	-	-			-	-	-	-	-
Lead	81	230	40.8	87.3 ^{ac}	92.9 ^{ac}	18.9	12.2	112 ^{ac}	157 J ^{ac}	51.8 J ^c	112 ^{ac}	91.1 ^{ac}	319 J ^{abc}	236 J ^{abc}
Magnesium	-	-	48865	-	-	-	-	-	-	-	-	-	-	-
Manganese Mercury	2.1	32	1360 0.101	-	-	-	-	-	-	-	-	-	-	-
Nickel	950	2700	44.4	-	-	-	-	-	-	-	-	-	-	-
Potassium	-	-	2479	-	-	-	-	_	_	_	_	_	_	_
Selenium	5.2	53	-	-	-	-	-	-	-	-	-	-	-	-
Silver	31	87	0.132	-	-	-	-	-	-	-	-	-	-	-
Sodium	-	-	177	-	-	-	-	-	-	-	-	-	-	-
Thallium	2.8	10	0.41	-	-	-	-	-	-	-	-	-	-	-
Vanadium	-	-	36.3	-	-	-	-	-	-	-	-	-	-	-
Zinc	10000	10000	120	-	-	-	-	-	-	-	-	-	-	-

Notes:

IDEM - Indiana Department of Environmental Management
RISC - Risk Integrated System of Closure
IDCL - Industrial Default Closure Level
RDCL - Residential Default Closure Level
* - Criteria not established for this analyte.

-- - Not Analyzed

BGS - below ground surface mg/kg - milligrams per kilogram mg/L - milligrams per liter

ND(1.1) - Analyte not detected at quantitation limit in parenthesis.

J - The associated value is an estimated quantity.

UJ - The material was analyzed for, but was not detected. The associated value is an estimate and may be inaccurate or imprecise

TABLE 4.33

SUMMARY OF RESIDENTIAL SOIL ANALYTICAL DATA - 1009 REIMER STREET RADIO MATERIALS CORPORATION ATTICA, INDIANA

Sample Location: Sample ID:	IDEM	IDEM	RB-1 S-071305-TP-174	RB-2 S-071305-TP-175	RB-3 S-071305-TP-176	RB-3 S-071305-TP-177	RB-4 S-071305-TP-178	RB-5 S-071305-TP-179	RB-6 S-071305-TP-180	RB-7 S-071305-TP-181	VP-8 S-070805-TP-169	VP-9 S-070805-TP-170	VP-10 S-070805-TP-171
Sample Date:	RISC	RISC	7/13/2005	7/13/2005	7/13/2005	7/13/2005	7/13/2005	7/13/2005	7/13/2005	7/13/2005	7/8/2005	7/8/2005	7/8/2005
Sample Depth:	IDCL	RDCL h	6-8 ft BGS	8-10 ft BGS	8-10 ft BGS	8-10 ft BGS	8-10 ft BGS	8-10 ft BGS	8-10 ft BGS	8-10 ft BGS	8-10 ft BGS	8-10 ft BGS	8-10 ft BGS
	а	ь				Duplicate							
Volatile Organic Compounds (mg/kg)													
1,1,1,2-Tetrachloroethane	0.85	0.053	ND (0.0043)	ND (0.0056)	ND (0.0067)	ND (0.0046)	ND (0.0057)	ND (0.0054)	ND (0.0051)	ND (0.004)	ND (0.0049)	ND (0.0053)	ND (0.0052)
1,1,1-Trichloroethane	280	1.9	ND (0.0043)	ND (0.0056)	ND (0.0067)	ND (0.0046)	ND (0.0057)	ND (0.0054)	ND (0.0051)	ND (0.004)	ND (0.0049)	ND (0.0053)	ND (0.0052)
1,1,2,2-Tetrachloroethane	0.11	0.007	ND (0.0043)	ND (0.0056)	ND (0.0067)	ND (0.0046)	ND (0.0057)	ND (0.0054)	ND (0.0051)	ND (0.004)	ND (0.0049)	ND (0.0053)	ND (0.0052)
1,1,2-Trichloroethane	0.3	0.03	ND (0.0043)	ND (0.0056)	ND (0.0067)	ND (0.0046)	ND (0.0057)	ND (0.0054)	ND (0.0051)	ND (0.004)	ND (0.0049)	ND (0.0053)	ND (0.0052)
1,1-Dichloroethane	58	5.6	ND (0.0043)	ND (0.0056)	ND (0.0067)	ND (0.0046)	ND (0.0057)	ND (0.0054)	ND (0.0051)	ND (0.004)	ND (0.0049)	ND (0.0053)	ND (0.0052)
1,1-Dichloroethene	42	0.058	ND (0.0043)	ND (0.0056)	ND (0.0067)	ND (0.0046)	ND (0.0057)	ND (0.0054)	ND (0.0051)	ND (0.004)	ND (0.0049)	ND (0.0053)	ND (0.0052)
1,1-Dichloropropene 1,2,3-Trichlorobenzene	*	*	ND (0.0043) ND (0.0043)	ND (0.0056) ND (0.0056)	ND (0.0067) ND (0.0067)	ND (0.0046) ND (0.0046)	ND (0.0057) ND (0.0057)	ND (0.0054) ND (0.0054)	ND (0.0051) ND (0.0051)	ND (0.004) ND (0.004)	ND (0.0049) ND (0.0049)	ND (0.0053) ND (0.0053)	ND (0.0052) ND (0.0052)
1,2,3-Trichloropenzene	*	*	ND (0.0043)	ND (0.0056)	ND (0.0067)	ND (0.0046)	ND (0.0057)	ND (0.0054)	ND (0.0051)	ND (0.004) ND (0.004)	ND (0.0049)	ND (0.0053)	ND (0.0052)
1,2,4-Trichlorobenzene	77	5.3	ND (0.018)	ND (0.023)	ND (0.027)	ND (0.019)	ND (0.023)	ND (0.022)	ND (0.021)	ND (0.016)	ND (0.02)	ND (0.021)	ND (0.021)
1,2,4-Trimethylbenzene	170	2.5	ND (0.018)	ND (0.023)	ND (0.027)	ND (0.019)	ND (0.023)	ND (0.022)	ND (0.021)	ND (0.016)	ND (0.02)	ND (0.021)	ND (0.021)
1,2-Dibromo-3-chloropropane (DBCP)	*	*	ND (0.018)	ND (0.023)	ND (0.027)	ND (0.019)	ND (0.023)	ND (0.022)	ND (0.021)	ND (0.016)	ND (0.02)	ND (0.021)	ND (0.021)
1,2-Dibromoethane (Ethylene Dibromide)	*	*	ND (0.0043)	ND (0.0056)	ND (0.0067)	ND (0.0046)	ND (0.0057)	ND (0.0054)	ND (0.0051)	ND (0.004)	ND (0.0049)	ND (0.0053)	ND (0.0052)
1,2-Dichlorobenzene	220	17	ND (0.0043)	ND (0.0056)	ND (0.0067)	ND (0.0046)	ND (0.0057)	ND (0.0054)	ND (0.0051)	ND (0.004)	ND (0.0049)	ND (0.0053)	ND (0.0052)
1,2-Dichloroethane	0.15	0.024	ND (0.0043)	ND (0.0056)	ND (0.0067)	ND (0.0046)	ND (0.0057)	ND (0.0054)	ND (0.0051)	ND (0.004)	ND (0.0049)	ND (0.0053)	ND (0.0052)
1,2-Dichloropropane	0.25	0.03	ND (0.0043)	ND (0.0056)	ND (0.0067)	ND (0.0046)	ND (0.0057)	ND (0.0054)	ND (0.0051)	ND (0.004)	ND (0.0049)	ND (0.0053)	ND (0.0052)
1,3,5-Trimethylbenzene	68 2.7	0.61 0.2	ND (0.0043)	ND (0.0056)	ND (0.0067)	ND (0.0046)	ND (0.0057)	ND (0.0054)	ND (0.0051)	ND (0.004)	ND (0.0049)	ND (0.0053)	ND (0.0052)
1,3-Dichlorobenzene 1,3-Dichloropropane	2.7	V.2 *	ND (0.0043) ND (0.0043)	ND (0.0056) ND (0.0056)	ND (0.0067) ND (0.0067)	ND (0.0046) ND (0.0046)	ND (0.0057) ND (0.0057)	ND (0.0054) ND (0.0054)	ND (0.0051) ND (0.0051)	ND (0.004) ND (0.004)	ND (0.0049) ND (0.0049)	ND (0.0053) ND (0.0053)	ND (0.0052) ND (0.0052)
1,4-Dichlorobenzene	3.4	2.2	ND (0.0043) ND (0.0043)	ND (0.0056)	ND (0.0067)	ND (0.0046)	ND (0.0057)	ND (0.0054)	ND (0.0051)	ND (0.004) ND (0.004)	ND (0.0049)	ND (0.0053)	ND (0.0052)
2,2-Dichloropropane	*	*	ND (0.0043)	ND (0.0056)	ND (0.0067)	ND (0.0046)	ND (0.0057)	ND (0.0054)	ND (0.0051)	ND (0.004)	ND (0.0049)	ND (0.0053)	ND (0.0052)
2-Butanone (Methyl Ethyl Ketone)	250	35	ND (0.018) UJ	ND (0.023) UJ	ND (0.027) UJ	ND (0.019) UJ	ND (0.023) UJ	ND (0.022) UJ	ND (0.021) UJ	ND (0.016) UJ	ND (0.02) UJ	ND (0.021) UJ	ND (0.021) UJ
2-Chlorotoluene	*	*	ND (0.018)	ND (0.023)	ND (0.027)	ND (0.019)	ND (0.023)	ND (0.022)	ND (0.021)	ND (0.016)	ND (0.02)	ND (0.021)	ND (0.021)
2-Hexanone	*	*	ND (0.018)	ND (0.023)	ND (0.027)	ND (0.019)	ND (0.023)	ND (0.022)	ND (0.021)	ND (0.016)	ND (0.02)	ND (0.021)	ND (0.021)
2-Phenylbutane (sec-Butylbenzene)	*	*	ND (0.018)	ND (0.023)	ND (0.027)	ND (0.019)	ND (0.023)	ND (0.022)	ND (0.021)	ND (0.016)	ND (0.02)	ND (0.021)	ND (0.021)
4-Chlorotoluene	*	*	ND (0.018)	ND (0.023)	ND (0.027)	ND (0.019)	ND (0.023)	ND (0.022)	ND (0.021)	ND (0.016)	ND (0.02)	ND (0.021)	ND (0.021)
4-Methyl-2-Pentanone			A 1772 (0.040)							ATT (0.010)			
(Methyl Isobutyl Ketone)	75 370	20 3.8	ND (0.018)	ND (0.023) ND (0.023)	ND (0.027)	ND (0.019)	ND (0.023)	ND (0.022) ND (0.022)	ND (0.021)	ND (0.016)	ND (0.02)	ND (0.021)	ND (0.021)
Acetone Benzene	0.35	0.034	ND (0.018) ND (0.0043)	ND (0.023) ND (0.0056)	ND (0.027) ND (0.0067)	ND (0.019) ND (0.0046)	ND (0.023) ND (0.0057)	ND (0.022) ND (0.0054)	ND (0.021) ND (0.0051)	ND (0.016) ND (0.004)	ND (0.02) ND (0.0049)	ND (0.021) ND (0.0053)	ND (0.021) ND (0.0052)
Bromobenzene	*	*	ND (0.0043)	ND (0.0056)	ND (0.0067)	ND (0.0046)	ND (0.0057)	ND (0.0054)	ND (0.0051)	ND (0.004)	ND (0.0049)	ND (0.0053)	ND (0.0052)
Bromodichloromethane	0.51	0.51	ND (0.0043)	ND (0.0056)	ND (0.0067)	ND (0.0046)	ND (0.0057)	ND (0.0054)	ND (0.0051)	ND (0.004)	ND (0.0049)	ND (0.0053)	ND (0.0052)
Bromoform	2.7	0.6	ND (0.0043)	ND (0.0056)	ND (0.0067)	ND (0.0046)	ND (0.0057)	ND (0.0054)	ND (0.0051)	ND (0.004)	ND (0.0049)	ND (0.0053)	ND (0.0052)
Bromomethane (Methyl Bromide)	0.7	0.052	ND (0.0043)	ND (0.0056)	ND (0.0067)	ND (0.0046)	ND (0.0057)	ND (0.0054)	ND (0.0051)	ND (0.004)	ND (0.0049)	ND (0.0053)	ND (0.0052)
Carbon disulfide	82	10	ND (0.0043)	ND (0.0056)	ND (0.0067)	ND (0.0046)	ND (0.0057)	ND (0.0054)	ND (0.0051)	ND (0.004)	ND (0.0049)	ND (0.0053)	ND (0.0052)
Carbon tetrachloride	0.29	0.066	ND (0.0043)	ND (0.0056)	ND (0.0067)	ND (0.0046)	ND (0.0057)	ND (0.0054)	ND (0.0051)	ND (0.004)	ND (0.0049)	ND (0.0053)	ND (0.0052)
Chlorobenzene	27	1.3	ND (0.0043)	ND (0.0056)	ND (0.0067)	ND (0.0046)	ND (0.0057)	ND (0.0054)	ND (0.0051)	ND (0.004)	ND (0.0049)	ND (0.0053)	ND (0.0052)
Chlorobromomethane Chloroethane	10	0.65	ND (0.0043)	ND (0.0056)	ND (0.0067)	ND (0.0046)	ND (0.0057)	ND (0.0054)	ND (0.0051)	ND (0.004)	ND (0.0049)	ND (0.0053)	ND (0.0052)
Chloroform (Trichloromethane)	1.2	0.47	ND (0.0043) ND (0.0043)	ND (0.0056) ND (0.0056)	ND (0.0067) ND (0.0067)	ND (0.0046) ND (0.0046)	ND (0.0057) ND (0.0057)	ND (0.0054) ND (0.0054)	ND (0.0051) ND (0.0051)	ND (0.004) ND (0.004)	ND (0.0049) ND (0.0049)	ND (0.0053) ND (0.0053)	ND (0.0052) ND (0.0052)
Chloromethane (Methyl Chloride)	*	*	ND (0.0043)	ND (0.0056)	ND (0.0067)	ND (0.0046)	ND (0.0057)	ND (0.0054)	ND (0.0051)	ND (0.004)	ND (0.0049)	ND (0.0053)	ND (0.0052)
cis-1,2-Dichloroethene	5.8	0.4	ND (0.0043)	0.0045 J	0.005 J	0.0021 J	ND (0.0057)	ND (0.0054)	ND (0.0051)	0.0027 J	0.014	0.0096	ND (0.0052)
cis-1,3-Dichloropropene	*	*	ND (0.0043)	ND (0.0056)	ND (0.0067)	ND (0.0046)	ND (0.0057)	ND (0.0054)	ND (0.0051)	ND (0.004)	ND (0.0049)	ND (0.0053)	ND (0.0052)
Cymene (p-Isopropyltoluene)	*	*	ND (0.018)	ND (0.023)	ND (0.027)	ND (0.019)	ND (0.023)	ND (0.022)	ND (0.021)	ND (0.016)	ND (0.02)	ND (0.021)	ND (0.021)
Dibromochloromethane	*	*	ND (0.0043)	ND (0.0056)	ND (0.0067)	ND (0.0046)	ND (0.0057)	ND (0.0054)	ND (0.0051)	ND (0.004)	ND (0.0049)	ND (0.0053)	ND (0.0052)
Dibromomethane	*	*	ND (0.0043)	ND (0.0056)	ND (0.0067)	ND (0.0046)	ND (0.0057)	ND (0.0054)	ND (0.0051)	ND (0.004)	ND (0.0049)	ND (0.0053)	ND (0.0052)
Dichlorodifluoromethane (CFC-12)	*	*	ND (0.0043)	ND (0.0056)	ND (0.0067)	ND (0.0046)	ND (0.0057)	ND (0.0054)	ND (0.0051)	ND (0.004)	ND (0.0049)	ND (0.0053)	ND (0.0052)
Ethylbenzene	160	13	ND (0.0043)	ND (0.0056)	ND (0.0067)	ND (0.0046)	ND (0.0057)	ND (0.0054)	ND (0.0051)	ND (0.004)	ND (0.0049)	ND (0.0053)	ND (0.0052)
Hexachlorobutadiene	44	16	ND (0.018) ND (0.0043)	ND (0.023) ND (0.0056)	ND (0.027) ND (0.0067)	ND (0.019) ND (0.0046)	ND (0.023) ND (0.0057)	ND (0.022) ND (0.0054)	ND (0.021) ND (0.0051)	ND (0.016) ND (0.004)	ND (0.02) ND (0.0049)	ND (0.021) ND (0.0053)	ND (0.021) ND (0.0052)
Isopropylbenzene m&p-Xylene	*	*	ND (0.0043) ND (0.0043)	ND (0.0056)	ND (0.0067)	ND (0.0046)	ND (0.0057)	ND (0.0054)	ND (0.0051)	ND (0.004) ND (0.004)	ND (0.0049)	ND (0.0053)	ND (0.0052)
Methylene chloride	1.8	0.023	ND (0.0086)	ND (0.012)	ND (0.014)	ND (0.0092)	ND (0.012)	ND (0.011)	ND (0.011)	ND (0.0079)	ND (0.0098)	ND (0.011)	ND (0.011)
Naphthalene	170	0.7	ND (0.0043)	ND (0.0056)	ND (0.0067)	ND (0.0046)	ND (0.0057)	ND (0.0054)	ND (0.0051)	ND (0.004)	ND (0.0049)	ND (0.0053)	ND (0.0052)
n-Butylbenzene	*	*	ND (0.018)	ND (0.023)	ND (0.027)	ND (0.019)	ND (0.023)	ND (0.022)	ND (0.021)	ND (0.016)	ND (0.02)	ND (0.021)	ND (0.021)
n-Propylbenzene	*	*	ND (0.018)	ND (0.023)	ND (0.027)	ND (0.019)	ND (0.023)	ND (0.022)	ND (0.021)	ND (0.016)	ND (0.02)	ND (0.021)	ND (0.021)
o-Xylene	*	*	ND (0.0043)	ND (0.0056)	ND (0.0067)	ND (0.0046)	ND (0.0057)	ND (0.0054)	ND (0.0051)	ND (0.004)	ND (0.0049)	ND (0.0053)	ND (0.0052)
Styrene	550	3.5	ND (0.0043)	ND (0.0056)	ND (0.0067)	ND (0.0046)	ND (0.0057)	ND (0.0054)	ND (0.0051)	ND (0.004)	ND (0.0049)	ND (0.0053)	ND (0.0052)
tert-Butylbenzene	*	*	ND (0.018)	ND (0.023)	ND (0.027)	ND (0.019)	ND (0.023)	ND (0.022)	ND (0.021)	ND (0.016)	ND (0.02)	ND (0.021)	ND (0.021)
Tetrachloroethene	0.64	0.058	0.00042 J	0.011 NID (0.005()	0.022	0.012	0.0016 J	ND (0.0054)	ND (0.0051)	0.014	0.047	0.056	0.00091 J
Toluene trans-1,2-Dichloroethene	240 14	12 0.68	ND (0.0043) ND (0.0043)	ND (0.0056) ND (0.0056)	ND (0.0067) ND (0.0067)	ND (0.0046) ND (0.0046)	ND (0.0057) ND (0.0057)	ND (0.0054) ND (0.0054)	ND (0.0051) ND (0.0051)	ND (0.004) ND (0.004)	ND (0.0049) ND (0.0049)	ND (0.0053) ND (0.0053)	ND (0.0052) ND (0.0052)
trans-1,2-Dichloropene trans-1,3-Dichloropropene	*	v.00	ND (0.0043) ND (0.0043)	ND (0.0056) ND (0.0056)	ND (0.0067) ND (0.0067)	ND (0.0046) ND (0.0046)	ND (0.0057) ND (0.0057)	ND (0.0054) ND (0.0054)	ND (0.0051) ND (0.0051)	ND (0.004) ND (0.004)	ND (0.0049) ND (0.0049)	ND (0.0053) ND (0.0053)	ND (0.0052) ND (0.0052)
Trichloroethene	0.082	0.057	0.012	0.096 ^{ab}	0.17 ^{ab}	0.077 ^b	0.024	0.0011 J	ND (0.0051)	0.12 ^{ab}	0.00029	0.00027	0.0039 J
Trichlorofluoromethane (CFC-11)	*	0.057 *	ND (0.0043)	ND (0.0056)	ND (0.0067)	ND (0.0046)	ND (0.0057)	ND (0.0054)	ND (0.0051) ND (0.0051)	ND (0.004)	ND (0.0049)	ND (0.0053)	ND (0.0052)
Vinyl chloride	0.013	0.013	ND (0.0043)	ND (0.0056)	ND (0.0067)	ND (0.0046)	ND (0.0057)	ND (0.0054)	ND (0.0051)	ND (0.004)	ND (0.0049)	ND (0.0053)	ND (0.0052)
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Notes:

IDEM - Indiana Department of Environmental Management
RISC - Risk Integrated System of Closure
IDCL - Industrial Default Closure Level
RDCL - Residential Default Closure Level
* - Criteria not established for this analyte.

* - Criteria not established for this analyte.
- - Not Analyzed
BGS - below ground surface
mg/kg - milligrams per kilogram
ND(1.1) - Analyte not detected at quantitation limit in parenthesis.
J - The associated value is an estimated quantity.
UJ - The material was analyzed for, but was not detected. The associated value is an estimate and may be inaccurate or imprecise.

TABLE 4.34

SUMMARY OF ARTESIAN WELL SURFACE SOIL ANALYTICAL DATA RADIO MATERIALS CORPORATION ATTICA, INDIANA

Sample Location: Sample ID: Sample Date:	IDEM RISC	IDEM RISC	AW-1a SE-071405-MG-001 7/14/2005	AW-2a SE-071405-MG-002 7/14/2005	AW-3a SE-071405-MG-003 7/14/2005	AW-1b SS-071405-MG-001 7/14/2005	AW-2b SS-071405-MG-002 7/14/2005	AW-3b SS-071405-MG-003 7/14/2005
Sample Depth:	IDCL a	RDCL b	0-0.5 ft BGS SO					
Volatile Organic Compounds (mg/kg)								
1,1,1,2-Tetrachloroethane	0.85	0.053	ND (0.0066)	ND (0.0059)	ND (0.0086)	ND (0.021)	ND (0.011)	ND (0.0065)
1,1,1-Trichloroethane	280	1.9	ND (0.0066)	ND (0.0059)	ND (0.0086)	ND (0.021)	ND (0.011)	ND (0.0065)
1,1,2,2-Tetrachloroethane	0.11	0.007	ND (0.0066)	ND (0.0059)	ND (0.0086)	ND (0.021)	ND (0.011)	ND (0.0065)
1,1,2-Trichloroethane 1,1-Dichloroethane	0.3 58	0.03 5.6	ND (0.0066) ND (0.0066)	ND (0.0059) ND (0.0059)	ND (0.0086) ND (0.0086)	ND (0.021) ND (0.021)	ND (0.011) ND (0.011)	ND (0.0065) ND (0.0065)
1,1-Dichloroethane	42	0.058	ND (0.0066)	ND (0.0059)	ND (0.0086)	ND (0.021) ND (0.021)	ND (0.011) ND (0.011)	ND (0.0065)
1,1-Dichloropropene	*	*	ND (0.0066)	ND (0.0059)	ND (0.0086)	ND (0.021)	ND (0.011)	ND (0.0065)
1,2,3-Trichlorobenzene	*	*	ND (0.0066)	ND (0.0059)	ND (0.0086)	ND (0.021)	ND (0.011)	ND (0.0065)
1,2,3-Trichloropropane	*	*	ND (0.0066)	ND (0.0059)	ND (0.0086)	ND (0.021)	ND (0.011)	ND (0.0065)
1,2,4-Trichlorobenzene	77	5.3	ND (0.027)	ND (0.024)	ND (0.035)	ND (0.081)	ND (0.043)	ND (0.026)
1,2,4-Trimethylbenzene	170	2.5	ND (0.027)	ND (0.024)	ND (0.035)	ND (0.081)	ND (0.043)	ND (0.026)
1,2-Dibromo-3-chloropropane (DBCP)	*	*	ND (0.027)	ND (0.024)	ND (0.035)	ND (0.081)	ND (0.043)	ND (0.026)
1,2-Dibromoethane (Ethylene Dibromide) 1,2-Dichlorobenzene	220	17	ND (0.0066) ND (0.0066)	ND (0.0059) ND (0.0059)	ND (0.0086) ND (0.0086)	ND (0.021) ND (0.021)	ND (0.011) ND (0.011)	ND (0.0065) ND (0.0065)
1,2-Dichloroethane	0.15	0.024	ND (0.0066)	ND (0.0059)	ND (0.0086)	ND (0.021)	0.0051 J	0.0031 J
1,2-Dichloropropane	0.25	0.03	ND (0.0066)	ND (0.0059)	ND (0.0086)	ND (0.021)	ND (0.011)	ND (0.0065)
1,3,5-Trimethylbenzene	68	0.61	ND (0.0066)	ND (0.0059)	ND (0.0086)	ND (0.021)	ND (0.011)	ND (0.0065)
1,3-Dichlorobenzene	2.7	0.2	ND (0.0066)	ND (0.0059)	ND (0.0086)	ND (0.021)	ND (0.011)	ND (0.0065)
1,3-Dichloropropane	*	*	ND (0.0066)	ND (0.0059)	ND (0.0086)	ND (0.021)	ND (0.011)	ND (0.0065)
1,4-Dichlorobenzene	3.4	2.2	ND (0.0066)	ND (0.0059)	ND (0.0086)	ND (0.021)	ND (0.011)	ND (0.0065)
2,2-Dichloropropane	*	*	ND (0.0066)	ND (0.0059)	ND (0.0086)	ND (0.021)	ND (0.011)	ND (0.0065)
2-Butanone (Methyl Ethyl Ketone) 2-Chlorotoluene	250	35 *	ND (0.027) UJ	ND (0.024) UJ	ND (0.035) UJ	ND (0.081) UJ	ND (0.043) UJ	ND (0.026) UJ
2-Hexanone	*	*	ND (0.027) ND (0.027)	ND (0.024) ND (0.024)	ND (0.035) ND (0.035)	ND (0.081) ND (0.081)	ND (0.043) ND (0.043)	ND (0.026) ND (0.026)
2-Phenylbutane (sec-Butylbenzene)	*	*	ND (0.027)	ND (0.024)	ND (0.035)	ND (0.081)	ND (0.043)	ND (0.026)
4-Chlorotoluene	*	*	ND (0.027)	ND (0.024)	ND (0.035)	ND (0.081)	ND (0.043)	ND (0.026)
4-Methyl-2-Pentanone								
(Methyl Isobutyl Ketone)	75	20	ND (0.027)	ND (0.024)	ND (0.035)	ND (0.081)	ND (0.043)	ND (0.026)
Acetone	370	3.8	ND (0.027) UJ	ND (0.024) UJ	ND (0.035) UJ	ND (0.081) UJ	ND (0.043) UJ	ND (0.026) UJ
Benzene	0.35	0.034	ND (0.0066)	ND (0.0059)	ND (0.0086)	ND (0.021)	ND (0.011)	ND (0.0065)
Bromobenzene Bromodichloromethane	* 0.E1	* 0.E1	ND (0.0066)	ND (0.0059)	ND (0.0086)	ND (0.021)	ND (0.011)	ND (0.0065)
Bromoform	0.51 2.7	0.51 0.6	ND (0.0066) ND (0.0066)	ND (0.0059) ND (0.0059)	ND (0.0086) ND (0.0086)	ND (0.021) ND (0.021)	ND (0.011) ND (0.011)	ND (0.0065) ND (0.0065)
Bromomethane (Methyl Bromide)	0.7	0.052	ND (0.0066)	ND (0.0059)	ND (0.0086)	ND (0.021)	ND (0.011)	ND (0.0065)
Carbon disulfide	82	10	ND (0.0066)	ND (0.0059)	ND (0.0086)	ND (0.021)	ND (0.011)	ND (0.0065)
Carbon tetrachloride	0.29	0.066	ND (0.0066)	ND (0.0059)	ND (0.0086)	ND (0.021)	ND (0.011)	ND (0.0065)
Chlorobenzene	27	1.3	ND (0.0066)	ND (0.0059)	ND (0.0086)	ND (0.021)	ND (0.011)	ND (0.0065)
Chlorobromomethane	*	*	ND (0.0066)	ND (0.0059)	ND (0.0086)	ND (0.021)	ND (0.011)	ND (0.0065)
Chloroethane	10	0.65	ND (0.0066)	ND (0.0059)	ND (0.0086)	ND (0.021)	ND (0.011)	ND (0.0065)
Chloroform (Trichloromethane) Chloromethane (Methyl Chloride)	1.2	0.47	ND (0.0066)	ND (0.0059) ND (0.0059)	ND (0.0086) ND (0.0086)	ND (0.021)	ND (0.011)	ND (0.0065) ND (0.0065)
cis-1,2-Dichloroethene	5.8	0.4	ND (0.0066) 0.021	0.002 J	0.002 J	ND (0.021) ND (0.021)	ND (0.011) ND (0.011)	ND (0.0065) ND (0.0065)
cis-1,3-Dichloropropene	*	*	ND (0.0066)	ND (0.0059)	ND (0.0086)	ND (0.021)	ND (0.011)	ND (0.0065)
Cymene (p-Isopropyltoluene)	*	*	ND (0.027)	ND (0.024)	ND (0.035)	ND (0.081)	ND (0.043)	ND (0.026)
Dibromochloromethane	*	*	ND (0.0066)	ND (0.0059)	ND (0.0086)	ND (0.021)	ND (0.011)	ND (0.0065)
Dibromomethane	*	*	ND (0.0066)	ND (0.0059)	ND (0.0086)	ND (0.021)	ND (0.011)	ND (0.0065)
Dichlorodifluoromethane (CFC-12)	*	*	ND (0.0066)	ND (0.0059)	ND (0.0086)	ND (0.021)	ND (0.011)	ND (0.0065)
Ethylbenzene	160	13	ND (0.0066)	ND (0.0059)	ND (0.0086)	ND (0.021)	ND (0.011)	ND (0.0065)
Hexachlorobutadiene Isopropylbenzene	44	16	ND (0.027) ND (0.0066)	ND (0.024) ND (0.0059)	ND (0.035) ND (0.0086)	ND (0.081) ND (0.021)	ND (0.043) ND (0.011)	ND (0.026) ND (0.0065)
m&p-Xylene	*	*	ND (0.0066)	ND (0.0059)	ND (0.0086)	ND (0.021)	ND (0.011)	ND (0.0065)
Methylene chloride	1.8	0.023	0.022	0.0075 J	0.0092 J	0.049 ^b	0.017 J	0.011 J
Naphthalene	170	0.7	ND (0.0066)	ND (0.0059)	ND (0.0086)	ND (0.021)	ND (0.011)	ND (0.0065)
n-Butylbenzene	*	*	ND (0.027)	ND (0.024)	ND (0.035)	ND (0.081)	ND (0.043)	ND (0.026)
n-Propylbenzene	*	*	ND (0.027)	ND (0.024)	ND (0.035)	ND (0.081)	ND (0.043)	ND (0.026)
o-Xylene	*	*	ND (0.0066)	ND (0.0059)	ND (0.0086)	ND (0.021)	ND (0.011)	ND (0.0065)
Styrene	550	3.5	ND (0.0066)	ND (0.0059)	ND (0.0086)	ND (0.021)	ND (0.011)	ND (0.0065)
tert-Butylbenzene	*	*	ND (0.027)	ND (0.024)	ND (0.035)	ND (0.081)	ND (0.043)	ND (0.026)
Tetrachloroethene	0.64	0.058	ND (0.0066)	ND (0.0059)	ND (0.0086)	ND (0.021)	ND (0.011)	0.00057 J
Toluene trans-1,2-Dichloroethene	240 14	12 0.68	ND (0.0066) 0.0016 J	ND (0.0059) ND (0.0059)	ND (0.0086) ND (0.0086)	ND (0.021) ND (0.021)	ND (0.011) ND (0.011)	ND (0.0065) ND (0.0065)
trans-1,3-Dichloropropene	*	*	ND (0.0066)	ND (0.0059)	ND (0.0086)	ND (0.021) ND (0.021)	ND (0.011) ND (0.011)	ND (0.0065) ND (0.0065)
Trichloroethene	0.082	0.057	0.0015 J	ND (0.0059)	0.00058 J	ND (0.021)	ND (0.011)	0.00057 J
Trichlorofluoromethane (CFC-11)	*	*	ND (0.0066)	ND (0.0059)	ND (0.0086)	ND (0.021)	ND (0.011)	ND (0.0065)
Vinyl chloride	0.013	0.013	ND (0.0066)	ND (0.0059)	ND (0.0086)	ND (0.021)	ND (0.011)	ND (0.0065)

IDEM - Indiana Department of Environmental Management RISC - Risk Integrated System of Closure IDCL - Industrial Default Closure Level

RDCL - Residential Default Closure Level

* - Criteria not established for this analyte.

-- - Not Analyzed

BGS - below ground surface

ng/kg - milligrams per kilogram

ND(1.1) - Analyte not detected at quantitation limit in parenthesis.

J - The associated value is an estimated quantity.

UJ - The material was analyzed for, but was not detected. The associated value is an estimate and may be inaccurate or imprecise.

SUMMARY OF HORIZONTAL HYDRAULIC GRADIENTS RADIO MATERIALS CORPORATION ATTICA, INDIANA

			Fround		r 14, 2003	October	-,		er 24, 2003	Decembe			28, 2004		18, 2004		31, 2004	Novembe		January			27, 2005	Novembe		Februar			24, 2006
RFI-IIB	TO	OC Si	urface	Depth	Water	Depth	Water	Depth	Water	Depth	Water	Depth	Water	Depth	Water	Depth	Water	Depth	Water	Depth	Water	Depth	Water	Depth	Water	Depth	Water	Depth	Water
Well No.	Elev	ation Ele	evation	to Water ³	Elevation	to Water	Elevation	to Water	Elevation	to Water	Elevation	to Water	Elevation	to Water	Elevation	to Water	Elevation	to Water	Elevation	to Water	Elevation	to Water	Elevation	to Water	Elevation	to Water	Elevation	to Water	Elevation
On anhand an I	IA7-II-7D:																												
Overburden V OB-01			558.76	50.22	608.26	50.29	608.19	51.71	606.77	50.77	607.71	49.54	608.94	50.02	608.46	50.49	607.99	51.35	607.13	50	608.48	50.9	607.58	51.5	606.98	51.41	607.07	50.46	608.02
OB-36			596.28	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	13.98	584.78	13.8	584.96	13.95	584.81	14.13	584.63	14.13	584.63	13.64	585.12
			2,150		NA		NA		NA		NA		NA		NA		NA		22.35		23.52		22.77		22.35		22.44		22.9
		Horizontal (NA		NA		NA		NA		NA		NA		NA		1.04E-02		1.09E-02		1.06E-02		1.04E-02		1.04E-02		1.07E-02
OB-16	635	7.31 6	534.86	28.52	608.79	28.62	608.69	28.65	608.66	28.62	608.69	28.21	609.1	28.53	608.78	28.84	608.47	29.6	607.71	27.92	609.39	29.07	608.24	29.6	607.71	29.68	607.63	28.72	608.59
OB-10 OB-31			589.17	11.50	580.66	11.57	580.59	11.1	581.06	11.34	580.82	10.78	581.38	10.95	581.21	9.82	582.34	10.48	581.68	12.02	580.14	11.44	580.72	10.55	581.61	10.44	581.72	10.94	581.22
05 01			1,400	11.00	28.13	11.07	28.10	11.1	27.60	11.01	27.87	10.70	27.72	10.50	27.57	7.02	26.13	10.10	26.03	12.02	29.25		27.52	10.00	26.10	10.11	25.91	10.71	27.37
		Horizontal (2.01E-02		2.01E-02		1.97E-02		1.99E-02		1.98E-02		1.97E-02		1.87E-02		1.86E-02		2.09E-02		1.97E-02		1.86E-02		1.85E-02		1.96E-02
OB-44	568	8.62 5	568.74	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	72.62	496
OB-54	554	4.21 5	554.80	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
			2,050		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
		Horizontal (NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
Bedrock Well:																													
BW-02			562.31	58.62	603.59	56.51	605.70	54.47	607.74	55.98	606.23	55.90	606.31	55.16	607.05	55.51	606.70	55.85	606.36	50.88	611.33	54.02	608.19	57.58	604.63	54.07	608.14	54.23	607.98
BW-07			595.35	9.10	588.65	9.21	588.54	9.04	588.71	9.07	588.68	9.58	588.17	9.58	588.17	9.37	588.38	9.05	588.70	8.90	588.85	9.09	588.66	8.85	588.90	8.57	589.18	9.06	588.69
	∆ L (. ,	1445		14.94		17.16		19.03		17.55		18.14		18.88		18.32		17.66		22.48		19.53		15.73		18.96		19.29
		Horizontal (Gradient		0.010		0.012		0.013		0.012		0.013		0.013		0.013		0.012		0.016		0.014		0.011		0.013		0.013
BW-15	602	12.79 6	500.01	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	16.18	586.61	16.30	586.49	16.36	586.43	16.16	586.63	16.12	586.67	16.02	586.77
BW-16			554.37	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	49.20	508.40	49.32	508.28	51.81	505.79	52.17	505.43	51.10	506.50	50.44	507.16
			895		NA		NA		NA		NA		NA		NA		NA		78.21		78.21		80.64		81.20		80.17		79.61
		Horizontal (NA		NA		NA		NA		NA		NA		NA		0.087		0.087		0.090		0.091		0.090		0.089

SUMMARY OF HORIZONTAL HYDRAULIC GRADIENTS RADIO MATERIALS CORPORATION ATTICA, INDIANA

																									_			
	Ground	May 2	4, 2006	April	9, 2007	August	27, 2007	Septembe	r 17, 2007	October	29, 2007	Januar	21, 2008	4/7/	2008	9/15	/2008	12/2/	2008	3/23	/2009	7/6/	2009	10/26	/2009			
TOC	Surface	Depth	Water	Depth	Water	Depth	Water	Depth	Water	Depth	Water	Depth	Water	Depth	Water	Depth	Water	Depth	Water	Depth	Water	Depth	Water	Depth	Water	Minimum	Maximum	Geometric
Elevation	Elevation	to Water	Elevation	to Water	Elevation	to Water	Elevation	to Water	Elevation	to Water	Elevation	to Water	Elevation	to Water	Elevation	to Water	Elevation	to Water	Elevation	to Water	Elevation	to Water	Elevation	to Water	Elevation	Value	Value	Mean
	_																											
		13.62		13.78		13.99		14.05		14.13		13.97		13.75		13.87		14.01		13.9		13.79		13.89				
. ,																												
Horizoi	ntal Gradient		1.08E-02		1.13E-02		1.05E-02		1.05E-02		1.03E-02		1.07E-02		1.12E-02		1.05E-02		1.03E-02		1.06E-02		1.09E-02		1.03E-02	1.03E-02	1.13E-02	1.06E-02
637 31	634.86	28.61	608.7	28.2	609 11	29.37	607.94	29.46	607.85	29.75	607 56	27.82	609.49	28.04	609.27	29.08	608 23	29 54	607 77	28 94	608 37	28 41	608.9	29.43	607.88			
		10.50		10.00		11.2)		11.01		11.17		10.01		10.00		10.02		11.10		11.20		12.02		10.01				
. ,																										1.85F-02	2 15F-02	1.97E-02
110/120/	iiii Griiiichi		1.501-02		1.751-02		1.55E-02		1.751-02		1.70L-02		1.5512-02		1.741.02		1.71102		2.131-02		1.501-02		2,1112-02		2.07102	1.002-02	2.132-02	1.57 E-02
568.62	568.74	69.91	498.71	66.54	502.08	76.81	491.81	76.08	492.54	77.2	491.42	68.2	500.42	65.71	502.91	76.74	491.88	77.12	491.5	65.7	502.92	72.5	496.12	76.51	492.11			
554.21	554.80	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	57.54	496.67	53.86	500.35	63.74	490.47	64.00	490.21	53.82	500.39	61.00	493.21	62.48	491.73			
∆ L (Feet)	2,050		NA								NA																	
Horizon																										1.85E-04	1.83E-03	8.52E-04
																									-100-2-0-2			
662.21	662.31	53.88	608.33	52.46	609.75	53.76	608.45	57.61	604.60	54.47	607.74	53.75	608.46	52.92	609.29	66.41	595.80	54.12	608.09	54.04	608.17	52.78	609.43	53.46	608.75			
597.75	595.35	8.64	589.11	7.47	590.28	8.15	589.60	8.63	589.12	8.58	589.17	9.16	588.59	7.43	590.32	8.20	589.55	8.40	589.35	8.20	589.55	7.62	590.13	7.96	589.79			
Δ L (Feet)	1445		19.22		19.47		18.85		15.48		18.57		19.87		18.97		6.25		18.74		18.62		19.30		18.96			
Horizoi	ntal Gradient		0.013		0.013		0.013		0.011		0.013		0.014		0.013		0.004		0.013		0.013		0.013		0.013	4.33E-03	1.56E-02	1.22E-02
602.79	600.01	16.12	586.67	15.56	587.23	16.28	586.51	16.44	586.35	16.31	586.48	15.89	586.90	15.60	587.19	16.30	586.49	16.21	586.58	16.13	586.66	15.85	586.94	15.65	587.14			
557.60	554.37	50.90	506.70	50.66	506.94	52.30	505.30	52.30	505.30	52.27	505.33	50.74	506.86	49.46	508.14	51.79	505.81	53.19	504.41	50.76	506.84	51.25	506.35	51.24	506.36			
Δ L (Feet)	895		79.97		80.29		81.21		81.05		81.15		80.04		79.05		80.68		82.17		79.82		80.59		80.78			
Horizoi	ntal Gradient		0.089		0.090		0.091		0.091		0.091		0.089		0.088		0.090		0.092		0.089		0.090		0.090	8.74E-02	9.18E-02	8.97E-02
	Elevation Ills/Piezometer 658.48 598.76 Δ L (Feet) Horizon 637.31 592.16 Δ L (Feet) Horizon 568.62 554.21 Δ L (Feet) Horizon 662.21 597.75 Δ L (Feet) Horizon 602.79 557.60 Δ L (Feet)	TOC Surface Elevation Elevation	TOC Surface Elevation Depth to Water Elevation Elevation to Water 658.48 658.76 50.19 598.76 596.28 13.62 ΔL (Feet) 2.150 13.62 $Horizontal$ Gradient 40.00	TOC Surface Elevation Depth to Water Water Elevation $Ils/Piezometers$ 658.48 658.76 50.19 608.29 598.76 596.28 13.62 585.14 ΔL (Feet) 2,150 23.15 Horizontal Gradient 1.08E-02 637.31 634.86 28.61 608.7 592.16 589.17 10.95 581.21 ΔL (Feet) 1,400 27.49 Horizontal Gradient 1.96E-02 568.62 568.74 69.91 498.71 554.21 554.80 NI NI ΔL (Feet) 2,050 NA ΔL (Feet) 2,050 NA ΔL (Feet) 1445 19.22 ΔL (Feet) 1445 19.22 ΔL (Feet) 1445 19.22 ΔL (Feet) 586.67 557.60 554.37 50.90 506.70 ΔL (Feet) 895 79.97 79.97	TOC Surface Elevation Depth to Water Water Elevation Depth to Water Elevation Elevation to Water Depth to Water Depth to Water Ils/Piezometers 658.48 658.76 50.19 608.29 49.22 598.76 596.28 13.62 585.14 13.78 ΔL (Feet) 2,150 23.15 1.08E-02 637.31 634.86 28.61 608.7 28.2 592.16 589.17 10.95 581.21 10.05 ΔL (Feet) 1,400 27.49 1.96E-02 568.62 568.74 69.91 498.71 66.54 554.21 554.80 NI NI NI ΔL (Feet) 2,050 NA NA Horizontal Gradient NA NA NA 662.21 662.31 53.88 608.33 52.46 597.75 595.35 8.64 589.11 7.47 ΔL (Feet) 1445 19.22 1445 19.22 <	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	TOC Surface Depth Water Depth Water Elevation to Water Elevation	TOC Surface Elevation Depth to Water Water Elevation Depth to Water Elevation to Water Depth to Water Elevation to Water Depth to Water Elevation Depth to Water Depth to Water Elevation Depth to Water Dept	TOC Surface Depth Water Depth Water Levation Levat	TOC Surface Depth Water Depth Depth Water Depth Dept	TOC Surface Elevation Depth to Water Water to Water Depth to Water Water Elevation Depth to Water Elevation Water to Water Elevation Depth to Water Elevation Water Elevation Depth to Water Elevation Water to Water Elevation Depth to Water Elevation Water to Water Elevation Depth to Water Elevation Water Elevation Depth to Water Elevation Water to Water Elevation Depth to Water Elevation Water to Water Elevation Depth to Water Elevation Water to Water Elevation Depth to Water Elevation Depth to Water Elevation Water Elevation Depth to Water Elevation	TOC Surface Elevation Elev	TOC Surface Depth Water Depth Dept	TOC Surface Depth Water Depth Dept	TOC Surface Depth Water Depth Wate	Toc Surface Depth Water Depth Dept	Total Surface Depth Water Depth Water Elevation El	Toc Surface Dorth Water Dorth Water Elevation to Wat	The Tester The	Toc Surface Dogth Water Dogth Dogt	Topic Surface Doptis Water Doptis Water Doptis Water Elevation to Water	Toc Surface Dopth Valor Dopth Valor Elevation Elev	To Surface Dopth Water Dopth Water Elevation to Wate	Figure Depth Water Dep	Processing Pro

 $\label{eq:local_problem} \frac{\text{Notes:}}{\text{TOC} \cdot \text{top of casing}}$ $\label{eq:local_top} \text{TOC elevations are referenced to the Indiana West State Plane}$ $\label{eq:local_top_local_top$

TABLE 5.2 Page 1 of 2

SUMMARY OF VERTICAL GRADIENTS RADIO MATERIALS CORPORATION ATTICA, INDIANA

		_	October 14, 2003	October 20, 2003	November 24, 2003	December 19, 2003	January 28, 2004	February 18, 2004	March 31, 2004	November 30, 2004	January 25, 2005	July 27, 2005	November 7, 2005	February 6, 2006	April 24, 2006
RFI-IIB	Mid-screen	TOC^{1}	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water
Well No.	Elevation	Elevation ²	Elevation	Elevation	Elevation	Elevation	Elevation	Elevation	Elevation	Elevation	Elevation	Elevation	Elevation	Elevation	Elevation
OB-18 ⁵	597.32	611.34	598.62	598.59	598.87	598.74	598.76	598.63	598.47	598.59	598.82	598.34	598.10	598.18	598.50
BW-06 ⁶	565.10	612.60	595.18	595.28	596.35	595.80	595.44	595.64	595.80	596.28	595.99	595.76	595.34	595.52	595.93
	ΔH (feet)	32.220	0.107	0.103	0.078	0.091	0.103	0.093	0.083	0.072	0.088	0.080	0.086	0.083	0.080
OB-19	606.65	619.65	604.70	604.67	604.84	604.80	604.75	604.67	604.46	604.47	604.84	604.60	604.36	604.36	604.66
BW-09	584.33	621.18	604.73	604.80	604.92	604.86	604.93	604.86	604.63	604.57	605.07	604.79	604.46	604.50	604.88
	ΔH (feet)	22.320	-0.001	-0.006	-0.004	-0.003	-0.008	-0.009	-0.008	-0.004	-0.010	-0.009	-0.004	-0.006	-0.010
OB-28	595.09	607.52	596.31	596.08	596.24	596.19	596.14	596.07	595.85	595.96	596.12	595.91	595.83	595.87	595.96
BW-05	571.17	606.15	602.12	602.65	603.03	602.86	601.67	601.89	602.36	602.35	602.69	603.47	601.09	602.72	603.15
	ΔH (feet)	23.920	-0.243	-0.275	-0.284	-0.279	-0.231	-0.243	-0.272	-0.267	-0.275	-0.316	-0.220	-0.286	-0.301
OB-30	577.98	585.23	580.00	579.30	576.31	577.70	579.17	579.11	580.63	580.70	579.30	578.47	578.55	578.92	578.78
BW-04	554.77	584.22	579.42	578.92	580.61	580.10	578.72	578.58	579.67	579.87	578.73	577.66	577.80	578.18	578.43
	ΔH (feet)	23.210	0.018	0.016	-0.185	-0.103	0.019	0.023	0.041	0.036	0.025	0.035	0.032	0.032	0.015
OB-31	568.40	592.16	580.66	580.59	581.06	580.82	581.38	581.21	582.34	581.68	580.14	580.72	581.61	581.72	581.22
BW-03	548.51	592.95	583.61	583.42	584.03	583.76	582.81	582.58	582.95	583.04	583.03	582.40	582.40	582.31	582.77
	ΔH (feet)	19.890	-0.092	-0.142	-0.149	-0.148	-0.072	-0.069	-0.031	-0.068	-0.145	-0.084	-0.040	-0.030	-0.078
OB-01	600.98	658.48	608.26	608.19	606.77	607.71	608.94	608.46	607.99	607.13	608.48	607.58	606.98	607.07	608.02
BW-01	562.98	660.81	604.09	605.59	606.72	606.03	606.17	607.02	606.69	606.46	607.03	608.19	604.52	607.50	607.95
	ΔH (feet)	38.000	0.129	0.068	0.001	0.044	0.073	0.038	0.034	0.017	0.038	-0.016	0.065	-0.011	0.002
OB-07	598.81	656.14	606.09	606.76	606.53	606.45	607.57	607.38	606.55	607.28	607.49	608.01	604.24	606.15	605.92
BW-11	571.86	655.94	NA	NA	NA	NA	NA	NA	NA	606.58	607.14	608.30	604.66	606.10	608.07
	ΔH (feet)	26.950	NA	NA	NA	NA	NA	NA	NA	0.026	0.013	-0.011	-0.016	0.002	-0.080
OB-32	580.76	597.71	585.86	585.84	585.84	585.99	585.86	585.80	585.55	585.56	585.82	585.69	585.49	585.45	585.68
BW-07	560.50	597.75	588.65	588.54	588.71	588.68	588.17	588.17	588.38	588.70	588.85	588.66	588.90	589.18	588.69
	ΔH (feet)	20.260	-0.087	-0.133	-0.142	-0.133	-0.114	-0.117	-0.140	-0.155	-0.150	-0.147	-0.168	-0.184	-0.149
OB-03	607.65	661.93	606.42	606.32	605.88	606.11	607.08	606.69	606.11	605.13	606.63	605.69	605.13	605.16	605.89
BW-02	563.70	662.21	603.59	605.70	607.74	606.23	606.31	607.05	606.70	606.36	611.33	608.19	604.63	608.14	607.98
	ΔH (feet)	43.950	0.088	0.014	-0.042	-0.003	0.017	-0.008	-0.013	-0.028	-0.107	-0.057	0.011	-0.068	-0.048
OB-14	602.26	662.32	603.79	603.66	603.83	603.81	604.43	604.11	603.62	602.27	603.67	602.98	602.12	601.85	604.65
BW-10	569.96	663.88	603.07	605.65	606.00	605.18	606.12	606.12	606.38	606.08	606.68	606.34	607.28	607.13	607.76
	ΔH (feet)	32.30	0.022	-0.062	-0.067	-0.042	-0.052	-0.062	-0.085	-0.118	-0.093	-0.104	-0.160	-0.163	-0.096
OB-34	597.92	663.52	NA	NA	NA	NA	NA	NA	NA	601.91	603.20	602.45	601.68	601.44	602.12
BW-14	567.46	663.04	NA	NA	NA	NA	NA	NA	NA	605.80	606.34	606.85	603.88	604.91	607.62
	ΔH (feet)	30.46	NA	NA	NA	NA	NA	NA	NA	-0.128	-0.103	-0.144	-0.072	-0.114	-0.181
OB-35	612.08	642.66	NA	NA	NA	NA	NA	NA	NA	610.57	611.95	608.37	610.24	610.68	611.55
BW-12	573.19	641.90	NA	NA	NA	NA	NA	NA	NA	605.83	606.48	610.26	603.47	606.96	607.36
	ΔH (feet)	38.89	NA	NA	NA	NA	NA	NA	NA	0.122	0.141	-0.049	0.174	0.096	0.108
OB-38	577.04	602.50	NA	NA	NA	NA	NA	NA	NA	587.16	586.90	586.82	586.82	586.86	587.07
BW-15	549.59	602.79	NA	NA	NA	NA	NA	NA	NA	586.61	586.49	586.43	586.63	586.67	586.77
	ΔH (feet)	27.45	NA	NA	NA	NA	NA	NA	NA	0.020	0.015	0.014	0.007	0.007	0.011
OB-41	603.64	620.64	NA	NA	NA	NA	NA	NA	NA	604.14	605.34	604.66	603.34	602.96	603.63
BW-13	562.40	621.18	NA	NA	NA	NA	NA	NA	NA	606.51	607.08	608.24	604.11	607.55	608.05
	ΔH (feet)	41.24	NA	NA	NA	NA	NA	NA	NA	-0.057	-0.042	-0.087	-0.019	-0.111	-0.107
PZ-06	609.20	659.90	611.15	611.15	611.07	611.09	611.68	611.29	610.59	610.20	611.65	610.81	610.33	610.28	611.09
BW-08	575.50	659.70	610.32	610.30	610.11	610.20	610.84	610.43	610.05	609.27	610.92	609.82	609.19	609.15	611.11
	ΔH (feet)	33.70	0.026	0.025	0.028	0.026	0.025	0.026	0.016	0.028	0.022	0.029	0.034	0.034	-0.001

TABLE 5.2 Page 2 of 2

SUMMARY OF VERTICAL GRADIENTS RADIO MATERIALS CORPORATION ATTICA, INDIANA

		_	May 24, 2006	April 9, 2007	August 27, 2007	September 17, 2007	October 29, 2007	January 21, 2008	April 7, 2008	September 15, 2008	December 2008	March 23, 2009	July 6, 2009	October 1, 2009
RFI-IIB	Mid-screen	TOC1	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water
Well No.	Elevation	Elevation ²	Elevation	Elevation	Elevation	Elevation	Elevation	Elevation	Elevation	Elevation	Elevation	Elevation	Elevation	Elevation
OB-18 ⁵	597.32	611.34	598.59	598.74	598.15	598.10	598.00	598.47	598.78	598.33	598.14	598.46	598.61	598.38
BW-06 ⁶	565.10	612.60	595.93	596.33	595.72	595.33	595.43	595.69	596.30	594.73	595.47	595.78	596.03	607.02
-	ΔH (feet)	32.220	0.083	0.075	0.075	0.086	0.080	0.086	0.077	0.112	0.083	0.083	0.080	-0.268
OB-19	606.65	619.65	604.68	604.82	604.53	604.45	604.30	604.64	604.85	608.40	608.17	608.39	608.52	608.30
BW-09	584.33	621.18	604.94	605.15	604.73	604.61	604.41	604.88	605.19	604.49	604.67	604.88	605.09	604.76
	ΔH (feet)	22.320	-0.012	-0.015	-0.009	-0.007	-0.005	-0.011	-0.015	0.175	0.157	0.157	0.154	0.159
OB-28	595.09	607.52	595.99	597.12	594.78	595.79	595.78	595.88	596.09	595.88	595.79	595.88	595.98	595.92
BW-05	571.17	606.15	603.40	604.30	603.25	601.35	602.62	602.63	602.77	598.66	602.56	602.64	603.79	602.65
	ΔH (feet)	23.920	-0.310	-0.300	-0.354	-0.232	-0.286	-0.282	-0.279	-0.116	-0.283	-0.283	-0.327	-0.281
OB-30	577.98	585.23	579.25	579.26	578.16	578.20	578.47	578.85	587.56	579.82	578.40	578.89	578.62	579.42
BW-04	554.77	584.22	578.67	578.57	577.32	577.35	577.45	578.03	578.81	578.84	577.65	578.11	577.92	578.64
	ΔH (feet)	23.210	0.025	0.030	0.036	0.037	0.044	0.035	0.377	0.042	0.032	0.034	0.030	0.034
OB-31	568.40	592.16	581.21	582.11	580.87	580.85	580.99	581.62	582.11	581.54	577.71	580.93	579.34	578.65
BW-03	548.51	592.95	582.91	582.53	581.79	581.72	581.90	582.62	582.88	582.37	582.49	582.28	582.37	582.73
	ΔH (feet)	19.890	-0.085	-0.021	-0.046	-0.044	-0.046	-0.050	-0.039	-0.042	-0.240	-0.068	-0.152	-0.205
OB-01	600.98	658.48	608.29	609.26	607.27	607.18	606.87	607.81	609.08	607.51	607.00	607.60	608.46	607.09
BW-01	562.98	660.81	608.31	609.73	608.41	604.79	607.75	603.61	609.29	595.85	608.06	608.19	609.52	608.77
	ΔH (feet)	38.000	-0.001	-0.012	-0.030	0.063	-0.023	0.111	-0.006	0.307	-0.028	-0.016	-0.028	-0.044
OB-07	598.81	656.14	605.96	607.96	606.73	606.48	605.98	606.76	607.26	NM		606.58	606.68	NM
BW-11	571.86	655.94	608.43	609.84	608.59	604.86	607.89	605.19	609.41	NM	608.06	608.29	609.63	608.89
	ΔH (feet)	26.950	-0.092	-0.070	-0.069	0.060	-0.071	0.058	-0.080	NA	NA	-0.063	-0.109	NA
OB-32	580.76	597.71	585.73	585.87	585.61	585.59	585.47	585.64	585.88	585.69	585.58	585.67	585.81	585.63
BW-07	560.50	597.75	589.11	590.28	589.60	589.12	589.17	588.59	590.32	589.55	589.35	589.55	590.13	589.79
	ΔH (feet)	20.260	-0.167	-0.218	-0.197	-0.174	-0.183	-0.146	-0.219	-0.191	-0.186	-0.192	-0.213	-0.205
OB-03	607.65	661.93	606.71	607.31	605.40	605.32	605.02	605.73	607.24	605.79		605.74	606.90	605.38
BW-02	563.70	662.21	608.33	609.75	608.45	604.60	607.74	608.46	609.29	595.80	608.09	608.17	609.43	608.75
	ΔH (feet)	43.950	-0.037	-0.056	-0.069	0.016	-0.062	-0.062	-0.047	0.227	NA	-0.055	-0.058	-0.077
OB-14	602.26	662.32	603.06	604.64	602.66	602.48	602.03	602.57	604.30	603.16	602.44	602.70	604.32	602.65
BW-10	569.96	663.88	608.10	609.47	608.24	604.28	607.36	597.36	609.86	603.62	607.77	607.94	609.30	608.48
	ΔH (feet)	32.30	-0.156	-0.150	-0.173	-0.056	-0.165	0.161	-0.172	-0.014	-0.165	-0.162	-0.154	-0.180
OB-34	597.92	663.52	601.51	603.84	602.17	602.01	601.56	602.11	603.60	602.62	602.00	602.22	603.55	609.07
BW-14	567.46	663.04	607.94	609.39	608.21	604.56	607.46	602.56	609.14	595.82	607.91	608.01	609.35	601.71
	ΔH (feet)	30.46	-0.211	-0.182	-0.198	-0.084	-0.194	-0.015	-0.182	0.223	-0.194	-0.190	-0.190	0.242
OB-35	612.08	642.66	611.92	612.17	610.58	610.44	610.12	611.51	612.21	610.87	610.34	611.38	611.51	610.56
BW-12	573.19	641.90	607.75	609.14	607.89	604.81	607.12	606.31	608.72	595.37	607.43	607.61	608.95	NM
	ΔH (feet)	38.89	0.107	0.078	0.069	0.145	0.077	0.134	0.090	0.399	0.075	0.097	0.066	NA
OB-38	577.04	602.50	587.01	587.43	586.75	586.54	586.68	586.78	587.31	586.72	586.72	586.83	587.09	587.25
BW-15	549.59	602.79	586.67	587.23	586.51	586.35	586.48	586.90	587.19	586.49	586.58	586.66	586.94	587.14
	ΔH (feet)	27.45	0.012	0.007	0.009	0.007	0.007	-0.004	0.004	0.008	0.005	0.006	0.005	0.004
OB-41	603.64	620.64	604.33	606.28	604.35	604.08	603.36	603.79	605.66	605.24	603.91	603.89	605.86	604.46
BW-13	562.40	621.18	608.37	609.78	608.55	605.49	607.80	607.29	609.37	595.99	608.09	608.28	609.60	NM
	ΔH (feet)	41.24	-0.098	-0.085	-0.102	-0.034	-0.108	-0.085	-0.090	0.224	-0.101	-0.106	-0.091	NA
PZ-06	609.20	659.90	611.36	611.87	610.65	610.55	610.26	610.88	611.88	610.87	610.46	610.83	611.69	NM
BW-08	575.50	659.70	610.41	611.00	609.52	609.36	608.97	609.91	611.03	609.35	609.29	609.86	610.77	609.47
	ΔH (feet)	33.70	0.028	0.026	0.034	0.035	0.038	0.029	0.025	0.045	0.035	0.029	0.027	NA

Jotes:

OC - top of casing

TOC elevations are referenced to the Indiana West State Plane Coordinates NAVD88, NAD83

Depth to water is provided in feet below the well TOC

OB - Overburden Monitoring Well

NA - Not applicable

BW - Bedrock Monitoring Well

NM - No measurement taken

 $\mbox{--}$ Well was dry; therefore, no water levels or groundwater elevations were recorded

PZ - Piezometer

TABLE 5.3
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Sample Location:			OB-01	OB-01	OB-01	OB-01	OB-01	OB-01	OB-01	OB-01	OB-01	OB-01	OB-01	OB-01	OB-01	OB-01	OB-01	OB-01
Sample ID:				GW-120904-MG-053				GW-021506-MG-050		GW-042407-NH-060			GW-110207-NH-021	GW-013008-NH-054		GW-041508-JP-033	,	,
Sample Date: Sample Type:			10/26/2003	12/9/2004	8/8/2005	11/10/2005	11/10/2005 (Duplicate)	2/15/2006	5/3/2006	4/24/2007	4/24/2007 (Duplicate)	11/2/2007	11/2/2007 (Duplicate)	1/30/2008	1/30/2008 (Duplicate)	4/15/2008	4/15/2008 (Duplicate)	9/26/2008
Sumple Type.	IDEM RISC Defa	ult Closure Levels					(Dupitente)				(Duplicate)		(Вирисии)		(Duplicate)		(Dupitente)	
Parameters	Residential	Industrial																
Volatile Organic Compounds (mg/L)	а	ь																
1,1,1,2-Tetrachloroethane	0.0069	0.11	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)					
1,1,1-Trichloroethane	0.2	29	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)					
1,1,2,2-Tetrachloroethane	0.0009	0.014	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)					
1,1,2-Trichloroethane	0.005	0.05	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)					
1,1-Dichloroethane	0.99	10	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)					
1,1-Dichloroethene 1,1-Dichloropropene	0.007	5.1	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005)					
1,2,3-Trichlorobenzene	*	*	ND (0.0003) ND (0.002)	ND (0.0003) ND (0.002)	ND (0.0003) ND (0.002)	ND (0.0003)	ND (0.0005) ND (0.002)	ND (0.0003) ND (0.002)	ND (0.003)	ND (0.003) ND (0.002)	ND (0.0003) ND (0.002)	ND (0.0003)	ND (0.0003)	ND (0.0003) ND (0.002)	ND (0.002)	ND (0.003) ND (0.002)	ND (0.0003) ND (0.002)	ND (0.0005) ND (0.002)
1,2,3-Trichloropropane	*	*	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)					
1,2,4-Trichlorobenzene	0.07	1	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)					
1,2,4-Trimethylbenzene	0.016	5.1	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)					
1,2-Dibromo-3-chloropropane (DBCP)	*	*	ND (0.002)	ND (0.002) UJ	ND (0.002)	R	R	ND (0.002) UJ										
1,2-Dibromoethane (Ethylene dibromide) 1,2-Dichlorobenzene	0.00005 0.6	0.0014 9.2	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)					
1,2-Dichloroethane	0.005	0.031	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)					
1,2-Dichloropropane	0.005	0.042	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)					
1,3,5-Trimethylbenzene	0.016	5.1	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)					
1,3-Dichlorobenzene	0.08	0.31	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)					
1,3-Dichloropropane 1,4-Dichlorobenzene	0.075	* 0.12	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)					
2,2-Dichloropropane	0.075 *	0.12 *	ND (0.0005) ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) ND (0.0005)
2-Butanone (Methyl ethyl ketone) (MEK)	8.4	61	ND (0.02)	ND (0.02) UJ	ND (0.02) UJ	ND (0.02)	ND (0.02)	ND (0.02) UJ	ND (0.02) UJ	ND (0.02)	ND (0.02)	R	R	R				
2-Chlorotoluene	*	*	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)					
2-Hexanone	*	*	ND (0.02)	ND (0.02) UJ	ND (0.02) UJ	ND (0.02)	R	R	ND (0.02)									
2-Phenylbutane (sec-Butylbenzene)	*	*	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)					
4-Chlorotoluene 4-Methyl-2-pentanone	*	*	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)					
(Methyl isobutyl ketone) (MIBK)	2.2	8.2	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02) UJ	ND (0.02) UJ	ND (0.02) UJ	ND (0.02) UJ	ND (0.02)	R	R	ND (0.02)					
Acetone	6.9	92	ND (0.02)	ND (0.02) UJ	ND (0.02) UJ	ND (0.02)	R	R	R									
Benzene	0.005	0.052	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)					
Bromobenzene	*	*	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)					
Bromodichloromethane	0.08	0.08	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)					
Bromoform Bromomethane (Methyl bromide)	0.08 0.011	0.36 0.14	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005) UJ	ND (0.0005) UJ ND (0.0005)	ND (0.0005) UJ ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.00059) U ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005) UJ	ND (0.0005) ND (0.0005) UJ	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) UJ ND (0.0005)
Carbon disulfide	1.3	10	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) U					
Carbon tetrachloride	0.005	0.022	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)													
Chlorobenzene	0.1	2	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)					
Chlorobromomethane	*	*	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005)					
Chloroethane	0.062 0.08	0.99	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) 0.00006 J					
Chloroform (Trichloromethane) Chloromethane (Methyl chloride)	*	*	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005) U	ND (0.0005) ND (0.0005) U	ND (0.0005)	ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005)	0.0000 J 0.0001 J					
cis-1,2-Dichloroethene	0.07	1	0.00067	0.0015	0.0015	0.0014	0.0015	0.00088	0.00063	0.00014 J	0.00015 J	0.00067	0.00068	0.00042 J	0.00044 J	0.00029 J	0.00032 J	0.00021 J
cis-1,3-Dichloropropene	*	*	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)					
Cymene (p-Isopropyltoluene)	*	*	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)					
Dibromochloromethane	*	*	ND (0.0005)	ND (0.0005)	ND (0.0005) U	ND (0.0005)												
Dibromomethane	*	*	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)					
Dichlorodifluoromethane (CFC-12) Ethylbenzene	0.7	10	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) UJ ND (0.0005)	ND (0.0005) UJ ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) UJ ND (0.0005)	ND (0.0005) UJ ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)					
Hexachlorobutadiene	0.011	0.031	ND (0.002)	ND (0.0003)	ND (0.003)	ND (0.002)	ND (0.0003)	ND (0.0003)	ND (0.003)	ND (0.003)	ND (0.002)	ND (0.003)	ND (0.002)	ND (0.003)	ND (0.002)	ND (0.003)	ND (0.0003)	ND (0.002)
Isopropyl benzene	0.83	10	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)					
m&p-Xylene	*	*	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)					
Methyl tert butyl ether (MTBE)	0.04	0.72	-	-	=	-	-	-	=	=	=	-	-	-	-	-	-	-
Methylene chloride	0.005	0.38	ND (0.002)	ND (0.002)	ND (0.002) U	ND (0.002)												
Naphthalene	0.0083	2	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002) U					
N-Butylbenzene N-Propylbenzene	0.31	4.1	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)					
o-Xylene	*	*	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002) ND (0.0005)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002) ND (0.0005)	ND (0.002)	ND (0.002) ND (0.0005)	ND (0.002)	ND (0.002)	ND (0.002) ND (0.0005)
Styrene	0.1	20	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)					
tert-Butylbenzene	*	*	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)					
Tetrachloroethene	0.005	0.055	ND (0.0005)	0.00027 J	ND (0.0005) U	ND (0.0005) U	ND (0.0005) U	0.0004 J	ND (0.0005) U	ND (0.0005) U	ND (0.0005) U	0.00022 J	0.00022 J	0.00021 J	0.0003 J	ND (0.0005)	0.00021 J	0.00012 J
Toluene	1	8.2	ND (0.0005) U	ND (0.0005)	ND (0.0005)	ND (0.0005) U	ND (0.0005) U	ND (0.0005)	ND (0.0005) U	ND (0.0005)	ND (0.00066) U	ND (0.0005) U	ND (0.0005) U					
trans-1,2-Dichloroethene	0.1	2	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)					
trans-1,3-Dichloropropene		0.0072	ND (0.0005) 0.022 ^{ab}	ND (0.0005) 0.036 ^{ab}	ND (0.0005) 0.047 ^{ab}	ND (0.0005) 0.037 ^{ab}	ND (0.0005) 0.037 ^{ab}	ND (0.0005) UJ 0.03 ^{ab}	ND (0.0005) 0.033 ^{ab}	ND (0.0005) 0.023 ^{ab}	ND (0.0005) 0.024 ^{ab}	ND (0.0005) 0.036 ^{ab}	ND (0.0005) 0.036 ^{ab}	ND (0.0005) 0.029 ^{ab}	ND (0.0005) 0.026 ^{ab}	ND (0.0005) 0.026 ^{ab}	ND (0.0005) 0.027 ^{ab}	ND (0.0005) 0.016 ^{ab}
Trichloroethene Trichlorofluoromethane (CFC-11)	0.005	0.0072 *	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)					
Vinyl chloride	0.002	0.004	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)					
Xylene (total)	10	20	ND (0.0005)	ND (0.0005)	ND (0.0005)	- (0.0003)	ND (0.0005)	ND (0.0005)	- (0.0003)	ND (0.0003)	- (0.0003)	ND (0.0005)	ND (0.0005)	ND (0.0003)	- (0.0003)	ND (0.0005)	ND (0.0005)	- (0.0003)
, ()	10	20	-	-	-	-	-	-	•	-	-	-	-	-	-	-	_	

TABLE 5.3

Sample Location:	OB-01	OB-01	OB-01	OB-01	OB-02	OB-02	OB-02	OB-02	OB-02	OB-02	OB-02	OB-02	OB-02	OB-02	OB-02	OB-02	OB-02	OB-02
Sample ID:	GW-121508-JP-058	,		5 GW-110509-JP-060			GW-080805-TP-068			GW-050306-NRS-055		GW-110207-NH-022		GW-041508-JP-036	,		,	GW-071509-TP-141
Sample Date: Sample Type:	12/15/2008	4/8/2009	7/10/2009	11/5/2009	10/26/2003	12/9/2004	8/8/2005	11/10/2005	2/15/2006	5/3/2006	4/20/2007	11/2/2007	1/30/2008	4/15/2008	9/23/2008	12/16/2008	4/8/2009	7/15/2009
Parameters																		
Volatile Organic Compounds (mg/L) 1.1.1.2-Tetrachloroethane	NTD (0.000E)	NID (0.000E)	NID (0.000E)	NID (0.0005)	NID (0.000F)	NID (0.0005)	NID (0.000E)	NTD (0.000E)	NTD (0.000E)	NID (0.0005)	NID (0.0005)	NID (0.0005)	NTD (0.000E)	NTD (0.0005)	NID (0.0005)	NID (0.000E)	NTD (0.0005)	NID (0.000E)
1,1,1,2-1 etrachioroethane 1,1,1-Trichloroethane	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)
1,1,2,2-Tetrachloroethane	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,1,2-Trichloroethane	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,1-Dichloroethane	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,1-Dichloroethene	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,1-Dichloropropene 1,2,3-Trichlorobenzene	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002) UJ	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)				
1,2,3-Trichloropropane	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.002)	ND (0.005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.005)
1,2,4-Trichlorobenzene	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002) ÚJ	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)				
1,2,4-Trimethylbenzene	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
1,2-Dibromo-3-chloropropane (DBCP)	ND (0.002)	ND (0.002) UJ	R	ND (0.002) UJ	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002) UJ	ND (0.002)	ND (0.002) UJ	ND (0.002)	ND (0.002)	R	ND (0.002) UJ	ND (0.002)	ND (0.002) UJ	R
1,2-Dibromoethane (Ethylene dibromide) 1,2-Dichlorobenzene	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)
1,2-Dichloroethane	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,2-Dichloropropane	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,3,5-Trimethylbenzene	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
1,3-Dichlorobenzene	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)
1,3-Dichloropropane 1,4-Dichlorobenzene	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
2,2-Dichloropropane	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
2-Butanone (Methyl ethyl ketone) (MEK)	R	R	R	R	ND (0.02)	ND (0.02) UJ	ND (0.02) UJ	ND (0.02) UJ	ND (0.02) UJ	ND (0.02) UJ	ND (0.02) UJ	ND (0.02) UJ	ND (0.02)	R	R	R	R	R
2-Chlorotoluene	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
2-Hexanone	ND (0.02) ND (0.002)	ND (0.02)	R ND (0.002)	R ND (0.002)	ND (0.02)	ND (0.02) UJ	ND (0.02) UJ	ND (0.02) UJ	ND (0.02) UJ	ND (0.02) UJ ND (0.002)	ND (0.02) ND (0.002)	ND (0.02) ND (0.002)	ND (0.02)	R ND (0.002)	ND (0.02) ND (0.002)	R ND (0.002)	ND (0.02) ND (0.002)	R ND (0.002)
2-Phenylbutane (sec-Butylbenzene) 4-Chlorotoluene	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)
4-Methyl-2-pentanone	112 (0.002)	112 (0.002)	112 (0.002)	112 (0.002)	142 (0.002)	112 (0.002)	112 (0.002)	112 (0.002)	112 (0.002)	112 (0.002)	112 (0.002)	112 (0.002)	142 (0.002)	142 (0.002)	112 (0.002)	112 (0.002)	112 (0.002)	112 (0.002)
(Methyl isobutyl ketone) (MIBK)	R	ND (0.02)	R	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02) UJ	ND (0.02) UJ	ND (0.02) UJ	ND (0.02)	ND (0.02)	ND (0.02)	R	ND (0.02)	R	ND (0.02)	R
Acetone	R	R	R	0.0036 J	ND (0.02)	ND (0.02) UJ	ND (0.02) UJ	ND (0.02) UJ	ND (0.02) UJ	ND (0.02) UJ	ND (0.02)	ND (0.02)	ND (0.02)	R	R	R	R	0.0037 J
Benzene Bromobenzene	0.00005 J ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	0.00025 J ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005)	ND (0.0005) ND (0.002)				
Bromodichloromethane	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002)	ND (0.002) ND (0.0005)	ND (0.002)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)
Bromoform	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)				
Bromomethane (Methyl bromide)	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)
Carbon disulfide	0.00006 J	ND (0.0005)	ND (0.0005)	0.00025 J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) U	0.00013 J	ND (0.0005)	ND (0.0005)				
Carbon tetrachloride Chlorobenzene	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) UJ ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)
Chlorobromomethane	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Chloroethane	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Chloroform (Trichloromethane)	0.00006 J	ND (0.0005) U	0.00009 J	0.00009 J	0.00021 J	ND (0.0005) U	ND (0.0005)	0.00015 J	0.00016 J	0.00015 J	ND (0.0005)	0.00027 J	ND (0.0005)	ND (0.0005)	0.00006 J	ND (0.0005)	ND (0.0005)	ND (0.0005)
Chloromethane (Methyl chloride)	ND (0.0005) U	ND (0.0005) UJ	ND (0.0005) U	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)	ND (0.0005) UJ	ND (0.0005) U					
cis-1,2-Dichloroethene	0.0002 J	0.00008 J	0.00008 J	0.00039 J	0.006	0.032	0.016	0.029	0.026	0.011	0.0059	0.025	0.01 J	0.0011	0.00012 J	0.00016 J	0.00007 J	ND (0.0005)
cis-1,3-Dichloropropene Cymene (p-Isopropyltoluene)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)
Dibromochloromethane	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.0005)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
Dibromomethane	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Dichlorodifluoromethane (CFC-12)	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ
Ethylbenzene Hexachlorobutadiene	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	0.00011 J ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002) UJ	ND (0.0005) ND (0.002)							
Isopropyl benzene	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002) (0)	ND (0.002)	ND (0.002) ND (0.002)						
m&p-Xylene	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.002)	ND (0.002)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.005)	ND (0.002)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Methyl tert butyl ether (MTBE)		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylene chloride	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002) U	ND (0.002)						
Naphthalene	ND (0.002)	ND (0.002)	ND (0.002) U	ND (0.002) UJ	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)				
N-Butylbenzene	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)
N-Propylbenzene o-Xylene	ND (0.002) ND (0.0005)	ND (0.002)	ND (0.002)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002)	ND (0.002)	ND (0.002) ND (0.0005)	ND (0.002)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)
Styrene	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
tert-Butylbenzene	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
Tetrachloroethene	0.0001 J	0.00012 J	ND (0.0005)	0.0001 J	0.0068 ^a	0.018 ^a	0.005	0.013 ^a	0.017 ^a	0.013 ^a	0.0083 ^a	0.012 ^a	0.011 ^a	0.014 ^a	0.0013	0.00058	0.00077	0.00061
Toluene	0.00007 J	ND (0.0005) U	ND (0.0005)	0.00071	ND (0.0005)	ND (0.0005) U	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) U	ND (0.0005)	0.00008 J	ND (0.0005) U	ND (0.0005) U				
trans-1,2-Dichloroethene trans-1,3-Dichloropropene	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005) UJ	ND (0.0005) ND (0.0005)	0.00041 J ND (0.0005)	0.00025 J ND (0.0005)	0.00052 ND (0.0005)	0.00046 J ND (0.0005) UJ	0.00023 J ND (0.0005)	0.00017 J ND (0.0005)	0.00083 ND (0.0005)	0.00059 J ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)
Trichloroethene	0.014 J ^{ab}	0.011 ^{ab}	0.0093 ^{ab}	0.0065 ^a	0.043 ^{ab}	0.16 ^{ab}	0.15 ^{ab}	0.14 ^{ab}	0.14 ^{ab}	0.088 ^{ab}	0.059 ^{ab}	0.12 ^{ab}	0.069 ^{ab}	0.058 ^{ab}	0.014 ^{ab}	0.01 ^{ab}	0.0055 ^a	0.0058 ^a
Trichlorofluoromethane (CFC-11)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Vinyl chloride	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	0.00005 J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Xylene (total)	-	-	- '	-	-	- '	- '	-	-	- '	- ′	-	- '	-	-	- '	-	-

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C 17 C	OP 02	OP 42	OR 62	OP 42	OP 42	OP 62	OP 02	OP 02	OP 42	OR 02	OP 42	OP 04	OP 04	OP 44	OP 44	OP 04	OP 04	OP 04
Sample Location: Sample ID:	OB-02 GW-110609-JP-066	OB-03 GW-102503-MG-032	OB-03 GW-121304-MG-062	OB-03 2 GW-080205-TP-038	OB-03 GW-111705-MG-073	OB-03 GW-021606-MG-059	OB-03 GW-042806-NRS-033	OB-03 GW-041307-NH-015	OB-03 GW-041307-NH-016	OB-03 GW-071509-TP-145	OB-03 GW-110309-JP-040	OB-04 GW-102703-MG-043	OB-04 GW-121304-MG-063	OB-04 GW-121304-MG-064	OB-04 GW-080805-TP-069	OB-04 GW-111005-MG-030	OB-04 GW-021506-MG-047	OB-04 GW-042806-NRS-032
Sample Date:	11/6/2009	10/25/2003	12/13/2004	8/2/2005	11/17/2005	2/16/2006	4/28/2006	4/13/2007	4/13/2007 (Duplicate)	7/15/2009	11/3/2009	10/27/2003	12/13/2004	12/13/2004 (Duplicate)	8/8/2005	11/10/2005	2/15/2006	4/28/2006
Sample Type:									(Бирисите)					(Duplicate)				
Parameters																		
Volatile Organic Compounds (mg/L)	NTD (0.0005)	NTD (0.010)	NTD (0.040)	NTD (0.005)	NTD (0.010)	ND (0.05)	NID (0.005) III	ND (0.005)	NTD (0.005)	NTD (0.0005)	NTD (0.0005)	NT (0.0005) III	NTD (0.005)	NTD (0.005)	NTD (0.005)	ND (0.005)	NTD (0.0005)	ND (0.005) III
1,1,1,2-Tetrachloroethane 1,1,1-Trichloroethane	ND (0.0005) ND (0.0005)	ND (0.013) ND (0.013)	ND (0.013) ND (0.013)	ND (0.025) ND (0.025)	ND (0.013) ND (0.013)	ND (0.05) ND (0.05)	ND (0.025) UJ ND (0.025) UJ	ND (0.025) ND (0.025)	ND (0.025) ND (0.025)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0025) UJ ND (0.0025)	ND (0.005) ND (0.005)	ND (0.005) ND (0.005)	ND (0.005) ND (0.005)	ND (0.005) ND (0.005)	ND (0.0005) ND (0.0005)	ND (0.005) UJ ND (0.005) UJ
1,1,2,2-Tetrachloroethane	ND (0.0005)	ND (0.013)	ND (0.013)	ND (0.025)	ND (0.013)	ND (0.05)	ND (0.025) UJ	ND (0.025)	ND (0.025)	ND (0.0005)	ND (0.0005)	ND (0.0025)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.0005)	ND (0.005) UJ
1,1,2-Trichloroethane	ND (0.0005)	ND (0.013)	ND (0.013)	ND (0.025)	ND (0.013)	ND (0.05)	ND (0.025) UJ	ND (0.025)	ND (0.025)	ND (0.0005)	ND (0.0005)	ND (0.0025)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.0005)	ND (0.005) UJ
1,1-Dichloroethane 1,1-Dichloroethene	ND (0.0005) ND (0.0005)	ND (0.013) ND (0.013)	ND (0.013) ND (0.013)	ND (0.025) ND (0.025)	ND (0.013) ND (0.013)	ND (0.05) ND (0.05)	ND (0.025) UJ ND (0.025) UJ	ND (0.025) ND (0.025)	ND (0.025) ND (0.025)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0025) ND (0.0025)	ND (0.005) ND (0.005)	ND (0.005) ND (0.005)	ND (0.005) ND (0.005)	ND (0.005) ND (0.005)	ND (0.0005) 0.00025 J	ND (0.005) UJ ND (0.005) UJ
1,1-Dichloropropene	ND (0.0005)	ND (0.013)	ND (0.013)	ND (0.025)	ND (0.013)	ND (0.05)	ND (0.025) UJ	ND (0.025)	ND (0.025)	ND (0.0005)	ND (0.0005)	ND (0.0025)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.0005)	ND (0.005) UJ
1,2,3-Trichlorobenzene	ND (0.002) ÚJ	ND (0.05)	ND (0.05)	ND (0.1)	ND (0.05)	ND (0.2)	ND (0.1) UJ	ND (0.1)	ND (0.1)	ND (0.002)	ND (0.002)	ND (0.01)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.002)	ND (0.02) UJ
1,2,3-Trichloropropane 1,2,4-Trichlorobenzene	ND (0.0005) ND (0.002) UJ	ND (0.013) ND (0.05)	ND (0.013) ND (0.05)	ND (0.025) ND (0.1)	ND (0.013) ND (0.05)	ND (0.05) ND (0.2)	ND (0.025) UJ ND (0.1) UJ	ND (0.025) ND (0.1)	ND (0.025) ND (0.1)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0025) ND (0.01)	ND (0.005) ND (0.02)	ND (0.005) ND (0.02)	ND (0.005) ND (0.02)	ND (0.005) ND (0.02)	ND (0.0005) ND (0.002)	ND (0.005) UJ ND (0.02) UJ
1,2,4-Trichlorobenzene 1,2,4-Trimethylbenzene	ND (0.002) U) ND (0.002)	ND (0.05) ND (0.05)	ND (0.05) ND (0.05)	ND (0.1) ND (0.1)	ND (0.05) ND (0.05)	ND (0.2) ND (0.2)	ND (0.1) UJ	ND (0.1) ND (0.1)	ND (0.1) ND (0.1)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.01) ND (0.01)	ND (0.02) ND (0.02)	ND (0.02) ND (0.02)	ND (0.02) ND (0.02)	ND (0.02) ND (0.02)	ND (0.002) ND (0.002)	ND (0.02) UJ
1,2-Dibromo-3-chloropropane (DBCP)	ND (0.002) UJ	ND (0.05)	ND (0.05)	ND (0.1)	ND (0.05)	ND (0.2) UJ	ND (0.1) UJ	ND (0.1) UJ	ND (0.1) UJ	ND (0.002)	ND (0.002)	ND (0.01)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.002) UJ	ND (0.02) UJ
1,2-Dibromoethane (Ethylene dibromide) 1,2-Dichlorobenzene	ND (0.002) ND (0.0005)	ND (0.05) ND (0.013)	ND (0.05) ND (0.013)	ND (0.1) ND (0.025)	ND (0.05) ND (0.013)	ND (0.2) ND (0.05)	ND (0.1) UJ ND (0.025) UJ	ND (0.1) ND (0.025)	ND (0.1) ND (0.025)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.01) ND (0.0025)	ND (0.02) ND (0.005)	ND (0.02) ND (0.005)	ND (0.02) ND (0.005)	ND (0.02) ND (0.005)	ND (0.002) ND (0.0005)	ND (0.02) UJ ND (0.005) UJ
1,2-Dichloroethane	ND (0.0005)	ND (0.013)	ND (0.013)	ND (0.025)	ND (0.013)	ND (0.05)	ND (0.025) UJ	ND (0.025)	ND (0.025)	ND (0.0005)	ND (0.0005)	ND (0.0025)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	0.00022 J	ND (0.005) UJ
1,2-Dichloropropane	ND (0.0005)	ND (0.013)	ND (0.013)	ND (0.025)	ND (0.013)	ND (0.05)	ND (0.025) UJ	ND (0.025)	ND (0.025)	ND (0.0005)	ND (0.0005)	ND (0.0025)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.0005)	ND (0.005) UJ
1,3,5-Trimethylbenzene 1,3-Dichlorobenzene	ND (0.002) ND (0.0005)	ND (0.05) ND (0.013)	ND (0.05) ND (0.013)	ND (0.1) ND (0.025)	ND (0.05) ND (0.013)	ND (0.2) ND (0.05)	ND (0.1) UJ ND (0.025) UJ	ND (0.1) ND (0.025)	ND (0.1) ND (0.025)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.01) ND (0.0025)	ND (0.02) ND (0.005)	ND (0.02) ND (0.005)	ND (0.02) ND (0.005)	ND (0.02) ND (0.005)	ND (0.002) ND (0.0005)	ND (0.02) UJ ND (0.005) UJ
1,3-Dichloropenzene	ND (0.0005)	ND (0.013)	ND (0.013) ND (0.013)	ND (0.025) ND (0.025)	ND (0.013) ND (0.013)	ND (0.05)	ND (0.025) UJ	ND (0.025) ND (0.025)	ND (0.025) ND (0.025)	ND (0.0005)	ND (0.0005)	ND (0.0025) ND (0.0025)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.0005)	ND (0.005) UJ
1,4-Dichlorobenzene	ND (0.0005)	ND (0.013)	ND (0.013)	ND (0.025)	ND (0.013)	ND (0.05)	ND (0.025) UJ	ND (0.025)	ND (0.025)	ND (0.0005)	ND (0.0005)	ND (0.0025)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.0005)	ND (0.005) UJ
2,2-Dichloropropane 2-Butanone (Methyl ethyl ketone) (MEK)	ND (0.0005) UJ R	ND (0.013)	ND (0.013) ND (0.5)	ND (0.025)	ND (0.013) ND (0.5) UJ	ND (0.05) UJ	ND (0.025) UJ	ND (0.025)	ND (0.025)	ND (0.0005) R	ND (0.0005) R	ND (0.0025)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005) ND (0.2) UJ	ND (0.0005) UJ	ND (0.005) UJ
2-Chlorotoluene	ND (0.002)	ND (0.5) ND (0.05)	ND (0.05)	ND (1) UJ ND (0.1)	ND (0.05) ND (0.05)	ND (2) UJ ND (0.2)	ND (1) UJ ND (0.1) UJ	ND (1) UJ ND (0.1)	ND (1) UJ ND (0.1)	ND (0.002)	ND (0.002)	ND (0.1) ND (0.01)	ND (0.2) ND (0.02)	ND (0.2) ND (0.02)	ND (0.2) UJ ND (0.02)	ND (0.2) UJ ND (0.02)	ND (0.02) UJ ND (0.002)	ND (0.2) UJ ND (0.02) UJ
2-Hexanone	R	ND (0.5)	ND (0.5)	ND (1) ÚJ	ND (0.5) ÚJ	ND (2) ÚJ	ND (1) UJ	ND (1)	ND (1)	R	ND (0.02)	ND (0.1)	ND (0.2)	ND (0.2)	ND (0.2) ÚJ	ND (0.2) ÚJ	ND (0.02) ÚJ	ND (0.2) UJ
2-Phenylbutane (sec-Butylbenzene) 4-Chlorotoluene	ND (0.002) ND (0.002)	ND (0.05) ND (0.05)	ND (0.05) UJ	ND (0.1)	ND (0.05) ND (0.05)	ND (0.2)	ND (0.1) UJ	ND (0.1)	ND (0.1)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.01)	ND (0.02) UJ	ND (0.02) UJ	ND (0.02) ND (0.02)	ND (0.02)	ND (0.002)	ND (0.02) UJ
4-Chlorotofuene 4-Methyl-2-pentanone	ND (0.002)	ND (0.05)	ND (0.05)	ND (0.1)	ND (0.05)	ND (0.2)	ND (0.1) UJ	ND (0.1)	ND (0.1)	ND (0.002)	ND (0.002)	ND (0.01)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.002)	ND (0.02) UJ
(Methyl isobutyl ketone) (MIBK)	ND (0.02)	ND (0.5)	ND (0.5) UJ	ND (1)	ND (0.5) UJ	ND (2) UJ	ND (1) UJ	ND (1)	ND (1)	ND (0.02)	R	ND (0.1)	ND (0.2) UJ	ND (0.2) UJ	ND (0.2)	ND (0.2) UJ	ND (0.02) UJ	ND (0.2) UJ
Acetone	R	ND (0.5)	ND (0.5) UJ	ND (1) UJ	ND (0.5) UJ	ND (2) UJ	ND (1) UJ	ND (1)	ND (1)	ND (0.02)	R ND (0.0005) U	ND (0.1)	ND (0.2) UJ	ND (0.2) UJ	ND (0.2) UJ	ND (0.2) UJ	ND (0.02) UJ	ND (0.2) UJ
Benzene Bromobenzene	ND (0.0005) ND (0.002)	ND (0.013) ND (0.05)	ND (0.013) ND (0.05)	ND (0.025) ND (0.1)	ND (0.013) ND (0.05)	ND (0.05) ND (0.2)	ND (0.025) UJ ND (0.1) UJ	ND (0.025) ND (0.1)	ND (0.025) ND (0.1)	ND (0.0005) ND (0.002)	ND (0.003) U ND (0.002)	ND (0.0025) ND (0.01)	ND (0.005) ND (0.02)	ND (0.005) ND (0.02)	ND (0.005) ND (0.02)	ND (0.005) ND (0.02)	0.00017 J ND (0.002)	ND (0.005) UJ ND (0.02) UJ
Bromodichloromethane	ND (0.0005)	ND (0.013)	ND (0.013)	ND (0.025)	ND (0.013)	ND (0.05)	ND (0.025) UJ	ND (0.025)	ND (0.025)	ND (0.0005)	ND (0.0005)	ND (0.0025)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.0005)	ND (0.005) UJ
Bromoform Bromomethane (Methyl bromide)	ND (0.0005) UJ ND (0.0005) UJ	ND (0.013) ND (0.013)	ND (0.013) ND (0.013)	ND (0.025) ND (0.025)	ND (0.013) ND (0.013)	ND (0.05) ND (0.05)	ND (0.025) UJ ND (0.025) UJ	ND (0.025) ND (0.025) UJ	ND (0.025) ND (0.025) UJ	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0025) ND (0.0025)	ND (0.005) ND (0.005)	ND (0.005) ND (0.005)	ND (0.005) ND (0.005) UJ	ND (0.005) ND (0.005)	ND (0.0005) ND (0.0005)	ND (0.005) UJ ND (0.005) UJ
Carbon disulfide	ND (0.0005) UJ	ND (0.013)	ND (0.013)	ND (0.025)	ND (0.013)	ND (0.05)	ND (0.025) UJ	ND (0.025) UJ	ND (0.025) UJ	ND (0.0005)	ND (0.0005)	ND (0.0025)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.0005)	ND (0.005) UJ
Carbon tetrachloride	ND (0.0005)	ND (0.013)	ND (0.013)	ND (0.025)	ND (0.013) UJ	ND (0.05)	ND (0.025) UJ	ND (0.025)	ND (0.025)	ND (0.0005)	ND (0.0005)	ND (0.0025)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.0005) UJ	ND (0.005) UJ
Chlorobenzene Chlorobromomethane	ND (0.0005) ND (0.0005)	ND (0.013) ND (0.013)	ND (0.013) ND (0.013)	ND (0.025) ND (0.025)	ND (0.013) ND (0.013)	ND (0.05) ND (0.05)	ND (0.025) UJ ND (0.025) UJ	ND (0.025) ND (0.025)	ND (0.025) ND (0.025)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0025) ND (0.0025)	ND (0.005) ND (0.005)	ND (0.005) ND (0.005)	ND (0.005) ND (0.005)	ND (0.005) ND (0.005)	ND (0.0005) ND (0.0005)	ND (0.005) UJ ND (0.005) UJ
Chloroethane	ND (0.0005)	ND (0.013)	ND (0.013)	ND (0.025)	ND (0.013)	ND (0.05)	ND (0.025) UJ	ND (0.025)	ND (0.025)	ND (0.0005)	ND (0.0005)	ND (0.0025)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.0005)	ND (0.005) UJ
Chloroform (Trichloromethane)	ND (0.0005)	ND (0.013)	ND (0.013)	ND (0.025)	ND (0.013)	ND (0.05)	ND (0.025) UJ	ND (0.025)	ND (0.025)	ND (0.0005)	ND (0.0005)	ND (0.0025)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	0.0007	ND (0.005) UJ
Chloromethane (Methyl chloride) cis-1,2-Dichloroethene	ND (0.0005)	ND (0.013) 0.13 ^a	ND (0.013) 0.14 ^a	ND (0.025) UJ 0.17 ^a	ND (0.013) 0.22 ^a	ND (0.05) 0.35 ^a	ND (0.025) UJ 0.25 J ^a	ND (0.025) 0.22 ^a	ND (0.025) 0.22 ^a	ND (0.0005) U 0.0027	ND (0.0005)	ND (0.0025) 0.12 ^a	ND (0.005) 0.07	ND (0.005) 0.066	ND (0.005) 0.094 ^a	ND (0.005) UJ 0.096 ^a	ND (0.0005) 0.11 ^a	ND (0.005) UJ 0.12 J ^a
cis-1,3-Dichloropropene	0.00008 J ND (0.0005)	ND (0.013)	ND (0.013)	ND (0.025)	ND (0.013)	ND (0.05)	ND (0.025) UJ	ND (0.025)	ND (0.025)	ND (0.0027	0.011 ND (0.0005)	ND (0.0025) UJ	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.0005)	ND (0.005) UJ
Cymene (p-Isopropyltoluene)	ND (0.002)	ND (0.05)	ND (0.05)	ND (0.1)	ND (0.05)	ND (0.2)	ND (0.1) UJ	ND (0.1)	ND (0.1)	ND (0.002)	ND (0.002)	ND (0.01)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.002)	ND (0.02) UJ
Dibromochloromethane	ND (0.0005)	ND (0.013)	ND (0.013)	ND (0.025)	ND (0.013)	ND (0.05)	ND (0.025) UJ	ND (0.025)	ND (0.025)	ND (0.0005)	ND (0.0005)	ND (0.0025)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.0005)	ND (0.005) UJ
Dibromomethane Dichlorodifluoromethane (CFC-12)	ND (0.0005) ND (0.0005)	ND (0.013) ND (0.013)	ND (0.013) ND (0.013)	ND (0.025) ND (0.025)	ND (0.013) ND (0.013)	ND (0.05) ND (0.05)	ND (0.025) UJ ND (0.025) UJ	ND (0.025) ND (0.025) UJ	ND (0.025) ND (0.025) UJ	ND (0.0005) ND (0.0005) UJ	ND (0.0005) ND (0.0005)	ND (0.0025) ND (0.0025)	ND (0.005) ND (0.005)	ND (0.005) ND (0.005)	ND (0.005) ND (0.005)	ND (0.005) ND (0.005)	ND (0.0005) ND (0.0005)	ND (0.005) UJ ND (0.005) UJ
Ethylbenzene	ND (0.0005)	ND (0.013)	ND (0.013)	ND (0.025)	ND (0.013)	ND (0.05)	ND (0.025) UJ	ND (0.025)	ND (0.025)	ND (0.0005)	ND (0.0005)	ND (0.0025)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.0005)	ND (0.005) UJ
Hexachlorobutadiene	ND (0.002)	ND (0.05)	ND (0.05)	ND (0.1)	ND (0.05)	ND (0.2)	ND (0.1) UJ	ND (0.1) UJ	ND (0.1) UJ	ND (0.002)	ND (0.002)	ND (0.01)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.002)	ND (0.02) UJ
Isopropyl benzene m&p-Xylene	ND (0.002) ND (0.0005)	ND (0.05) ND (0.013)	ND (0.05) ND (0.013)	ND (0.1) ND (0.025)	ND (0.05) ND (0.013)	ND (0.2) ND (0.05)	ND (0.1) UJ ND (0.025) UJ	ND (0.1) ND (0.025)	ND (0.1) ND (0.025)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.01) ND (0.0025)	ND (0.02) ND (0.005)	ND (0.02) ND (0.005)	ND (0.02) ND (0.005)	ND (0.02) ND (0.005)	ND (0.002) ND (0.0005)	ND (0.02) UJ ND (0.005) UJ
Methyl tert butyl ether (MTBE)	- ′	-		<u> </u>	- '	-	· - / ·	<u> </u>	- '-	· - ´	- ′	- /	`- ′	- ′	-	- /	- ′	-
Methylene chloride	ND (0.002)	ND (0.05)	0.012 J ^a	0.029 J ^a	ND (0.05)	0.027 J ^a	ND (0.1) UJ	0.018 J ^a	0.017 J ^a	ND (0.002)	ND (0.002)	ND (0.01)	0.0045 J	0.0041 J	0.0047 J	0.0025 J	ND (0.002)	ND (0.02) UJ
Naphthalene N-Butylbenzene	ND (0.002) UJ ND (0.002)	ND (0.05) ND (0.05)	ND (0.05) ND (0.05)	ND (0.1) ND (0.1)	ND (0.05) ND (0.05)	ND (0.2) ND (0.2)	ND (0.1) UJ ND (0.1) UJ	ND (0.1) ND (0.1)	ND (0.1) ND (0.1)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.01) ND (0.01)	ND (0.02) ND (0.02)	ND (0.02) ND (0.02)	ND (0.02) ND (0.02)	ND (0.02) ND (0.02)	ND (0.002) ND (0.002)	ND (0.02) UJ ND (0.02) UJ
N-Propylbenzene	ND (0.002)	ND (0.05)	ND (0.05)	ND (0.1)	ND (0.05)	ND (0.2)	ND (0.1) UJ	ND (0.1)	ND (0.1)	ND (0.002)	ND (0.002)	ND (0.01)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.002)	ND (0.02) UJ
o-Xylene	ND (0.0005)	ND (0.013)	ND (0.013)	ND (0.025)	ND (0.013)	ND (0.05)	ND (0.025) UJ	ND (0.025)	ND (0.025)	ND (0.0005)	ND (0.0005)	ND (0.0025)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.0005)	ND (0.005) UJ
Styrene tert-Butylbenzene	ND (0.0005) ND (0.002)	ND (0.013) ND (0.05)	ND (0.013) ND (0.05)	ND (0.025) ND (0.1)	ND (0.013) ND (0.05)	ND (0.05) ND (0.2)	ND (0.025) UJ ND (0.1) UJ	ND (0.025) ND (0.1)	ND (0.025) ND (0.1)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0025) ND (0.01)	ND (0.005) ND (0.02)	ND (0.005) ND (0.02)	ND (0.005) ND (0.02)	ND (0.005) ND (0.02)	ND (0.0005) ND (0.002)	ND (0.005) UJ ND (0.02) UJ
Tetrachloroethene	0.00063	0.46 ^{ab}	0.32 ^{ab}	0.46 ^{ab}	0.31 ^{ab}	0.38 ^{ab}	0.52 J ^{ab}	0.46 ^{ab}	0.45 ^{ab}	0.052 ^a	0.064 ^{ab}	0.1 ^{ab}	0.12 ^{ab}	0.12 ^{ab}	0.081 ^{ab}	0.13 ^{ab}	0.17 ^{ab}	0.17 J ^{ab}
Toluene	ND (0.0005) U	ND (0.013)	ND (0.013)	ND (0.025)	ND (0.013)	ND (0.05)	ND (0.025) UJ	ND (0.025)	ND (0.025)	ND (0.0005) U	ND (0.0005) U	ND (0.0025)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.0005)	ND (0.005) UJ
trans-1,2-Dichloroethene	ND (0.0005)	ND (0.013)	ND (0.013)	ND (0.025)	ND (0.013)	ND (0.05)	ND (0.025) UJ	0.026	0.023 J	0.00011 J	0.00049 J	0.0014 NID (0.0025)	ND (0.005)	ND (0.005)	ND (0.005)	0.002 J	0.00063	ND (0.005) UJ
trans-1,3-Dichloropropene Trichloroethene	ND (0.0005) UJ 0.0052 ^a	ND (0.013) 6.6 ^{ab}	ND (0.013) 5.8 ^{ab}	ND (0.025) 9.2 ^{ab}	ND (0.013) 8.1 ^{ab}	ND (0.05) 11 ^{ab}	ND (0.025) UJ 16 J ^{ab}	ND (0.025) 10 ^{ab}	ND (0.025) 10 ^{ab}	ND (0.0005) 0.16 ^{ab}	ND (0.0005) 0.21 ^{ab}	ND (0.0025) 1.1 ^{ab}	ND (0.005) 2.4 ^{ab}	ND (0.005) 2.3 ^{ab}	ND (0.005) 1.4 ^{ab}	ND (0.005) 3.6 ^{ab}	ND (0.0005) UJ 3.9 ^{ab}	ND (0.005) UJ 3.8 J ^{ab}
Trichlorofluoromethane (CFC-11)	ND (0.0005)	ND (0.013)	ND (0.013)	ND (0.025)	ND (0.013)	ND (0.05)	ND (0.025) UJ	ND (0.025)	ND (0.025)	ND (0.0005)	ND (0.0005)	ND (0.0025)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.0005)	ND (0.005) UJ
Vinyl chloride	ND (0.0005)	ND (0.013)	ND (0.013)	ND (0.025)	ND (0.013)	ND (0.05)	ND (0.025) UJ	ND (0.025)	ND (0.025)	ND (0.0005)	ND (0.0005)	ND (0.0025)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	0.00008 J	ND (0.005) UJ
Xylene (total)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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Sample Location:	OB-04	OB-04	OB-05	OB-05	OB-05	OB-05	OB-05	OB-05	OB-05	OB-05	OB-05	OB-06	OB-06	OB-06	OB-06	OB-06	OB-06	OB-06
Sample ID: Sample Date:	GW-071509-TP-146 7/15/2009	GW-110609-JP-065 11/6/2009	6 GW-102703-MG-044 10/27/2003	GW-120904-MG-051 12/9/2004	GW-080205-TP-039 8/2/2005	GW-080205-TP-040 8/2/2005	GW-111705-MG-074 11/17/2005	4 GW-021606-MG-061 2/16/2006	GW-042806-NRS-037 4/28/2006	GW-071509-TP-144 7/15/2009	GW-110609-JP-068 11/6/2009	GW-102603-MG-039 10/26/2003	GW-120904-MG-055 12/9/2004	5 GW-120904-MG-056 12/9/2004	GW-080805-TP-066 8/8/2005	6 GW-111105-MG-032 11/11/2005	GW-021506-MG-055 2/15/2006	GW-050306-NRS-056 5/3/2006
Sample Type:	1, 13, 2003	11/0/2003	1927,200	12/3/2001	9,4,2005	(Duplicate)	14/1/2005	410,2000	4292000	1, 13, 2003	11/0/2003	19 29 2005	12, 3, 2001	(Duplicate)	9,9,2005	11/11/2000	2,13,2000	3/3/2000
Parameters																		
Volatile Organic Compounds (mg/L)																		
1,1,1,2-Tetrachloroethane 1,1,1-Trichloroethane	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.005) UJ ND (0.005)	ND (0.005) ND (0.005)	ND (0.005) ND (0.005)	ND (0.005) ND (0.005)	ND (0.005) ND (0.005)	ND (0.01) ND (0.01)	ND (0.005) UJ ND (0.005) UJ	ND (0.0005) ND (0.0005)	ND (0.001) ND (0.001)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.005) ND (0.005)	ND (0.001) ND (0.001)	ND (0.005) ND (0.005)
1,1,2,2-Tetrachloroethane	ND (0.0005)	ND (0.0005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.01)	ND (0.005) UJ	ND (0.0005)	ND (0.001)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.005)	ND (0.001)	ND (0.005)
1,1,2-Trichloroethane	ND (0.0005)	ND (0.0005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.01)	ND (0.005) UJ	ND (0.0005)	ND (0.001)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.005)	ND (0.001)	ND (0.005)
1,1-Dichloroethane	ND (0.0005)	ND (0.0005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.01)	ND (0.005) UJ	ND (0.0005)	ND (0.001)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.005) 0.008 ^a	ND (0.001)	ND (0.005) 0.0067
1,1-Dichloroethene 1,1-Dichloropropene	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	0.0035 ND (0.005)	0.0045 J ND (0.005)	0.0039 J ND (0.005)	0.0039 J ND (0.005)	0.0049 J ND (0.005)	0.0066 J ND (0.01)	0.0048 J ND (0.005) UJ	0.00055 ND (0.0005)	0.00066 J ND (0.001)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.005)	0.0011 ND (0.001)	ND (0.005)
1,2,3-Trichlorobenzene	ND (0.002)	ND (0.002) UJ	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.04)	ND (0.02) UJ	ND (0.002)	ND (0.004) UJ	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.02)	ND (0.004)	ND (0.02)
1,2,3-Trichloropropane	ND (0.0005)	ND (0.0005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.01)	ND (0.005) UJ	ND (0.0005)	ND (0.001)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.005)	ND (0.001)	ND (0.005)
1,2,4-Trichlorobenzene 1,2,4-Trimethylbenzene	ND (0.002) ND (0.002)	ND (0.002) UJ ND (0.002)	ND (0.02) ND (0.02)	ND (0.02) ND (0.02)	ND (0.02) ND (0.02)	ND (0.02) ND (0.02)	ND (0.02) ND (0.02)	ND (0.04) ND (0.04)	ND (0.02) UJ ND (0.02) UJ	ND (0.002) ND (0.002)	ND (0.004) UJ ND (0.004)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.02) ND (0.02)	ND (0.004) ND (0.004)	ND (0.02) ND (0.02)
1,2-Dibromo-3-chloropropane (DBCP)	ND (0.002)	ND (0.002) UJ	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.04) UJ	ND (0.02) UJ	ND (0.002)	ND (0.004) UJ	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.02)	ND (0.004) UJ	ND (0.02)
1,2-Dibromoethane (Ethylene dibromide)	ND (0.002)	ND (0.002)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.04)	ND (0.02) UJ	ND (0.002)	ND (0.004)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.02)	ND (0.004)	ND (0.02)
1,2-Dichlorobenzene 1,2-Dichloroethane	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.005) ND (0.005)	ND (0.005) ND (0.005)	ND (0.005) ND (0.005)	ND (0.005) ND (0.005)	ND (0.005) ND (0.005)	ND (0.01) ND (0.01)	ND (0.005) UJ ND (0.005) UJ	ND (0.0005) ND (0.0005)	ND (0.001) ND (0.001)	ND (0.0005) ND (0.0005)	ND (0.0005) UJ ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.005) ND (0.005)	ND (0.001) ND (0.001)	ND (0.005) ND (0.005)
1,2-Dichloropropane	ND (0.0005)	ND (0.0005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.01)	ND (0.005) UJ	ND (0.0005)	ND (0.001)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.005)	ND (0.001)	ND (0.005)
1,3,5-Trimethylbenzene	ND (0.002)	ND (0.002)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.04)	ND (0.02) UJ	ND (0.002)	ND (0.004)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.02)	ND (0.004)	ND (0.02)
1,3-Dichlorobenzene	ND (0.0005)	ND (0.0005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.01)	ND (0.005) UJ	ND (0.0005)	ND (0.001)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.005)	ND (0.001)	ND (0.005)
1,3-Dichloropropane 1,4-Dichlorobenzene	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.005) ND (0.005)	ND (0.005) ND (0.005)	ND (0.005) ND (0.005)	ND (0.005) ND (0.005)	ND (0.005) ND (0.005)	ND (0.01) ND (0.01)	ND (0.005) UJ ND (0.005) UJ	ND (0.0005) ND (0.0005)	ND (0.001) ND (0.001)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.005) ND (0.005)	ND (0.001) ND (0.001)	ND (0.005) ND (0.005)
2,2-Dichloropropane	ND (0.0005)	ND (0.0005) UJ	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.01) UJ	ND (0.005) UJ	ND (0.0005)	ND (0.001) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.005)	ND (0.001) UJ	ND (0.005)
2-Butanone (Methyl ethyl ketone) (MEK)	R	R	ND (0.2)	ND (0.2) UJ	ND (0.2) UJ	ND (0.2) UJ	ND (0.2) UJ	ND (0.4) UJ	ND (0.2) UJ	R	R	ND (0.02)	ND (0.02) UJ	ND (0.02) UJ	ND (0.02) UJ	ND (0.2) UJ	ND (0.04) UJ	ND (0.2) UJ
2-Chlorotoluene	ND (0.002)	ND (0.002)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.04)	ND (0.02) UJ	ND (0.002)	ND (0.004)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.02)	ND (0.004)	ND (0.02)
2-Hexanone 2-Phenylbutane (sec-Butylbenzene)	R ND (0.002)	R ND (0.002)	ND (0.2) ND (0.02)	ND (0.2) UJ ND (0.02)	ND (0.2) UJ ND (0.02)	ND (0.2) UJ ND (0.02)	ND (0.2) UJ ND (0.02)	ND (0.4) UJ ND (0.04)	ND (0.2) UJ ND (0.02) UJ	R ND (0.002)	R ND (0.004)	ND (0.02) ND (0.002)	ND (0.02) UJ ND (0.002)	ND (0.02) UJ ND (0.002)	ND (0.02) UJ ND (0.002)	ND (0.2) UJ ND (0.02)	ND (0.04) UJ ND (0.004)	ND (0.2) UJ ND (0.02)
4-Chlorotoluene	ND (0.002)	ND (0.002)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.04)	ND (0.02) UJ	ND (0.002)	ND (0.004)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.02)	ND (0.004)	ND (0.02)
4-Methyl-2-pentanone																		
(Methyl isobutyl ketone) (MIBK)	ND (0.02)	ND (0.02)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2) UJ	ND (0.4) UJ	ND (0.2) UJ	ND (0.02)	ND (0.04) R	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.2) UJ	ND (0.04) UJ	ND (0.2) UJ
Acetone Benzene	ND (0.02) ND (0.0005)	R ND (0.0005)	ND (0.2) ND (0.005)	ND (0.2) UJ ND (0.005)	ND (0.2) UJ ND (0.005)	ND (0.2) UJ ND (0.005)	ND (0.2) UJ ND (0.005)	ND (0.4) UJ ND (0.01)	ND (0.2) UJ ND (0.005) UJ	0.0044 J ND (0.0005)	ND (0.001)	ND (0.02) 0.00036 J	ND (0.02) UJ 0.00024 J	ND (0.02) UJ ND (0.0005)	ND (0.02) UJ 0.00022 J	ND (0.2) UJ ND (0.005)	ND (0.04) UJ ND (0.001)	ND (0.2) UJ ND (0.005)
Bromobenzene	ND (0.002)	ND (0.002)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.04)	ND (0.02) UJ	ND (0.002)	ND (0.004)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.02)	ND (0.004)	ND (0.02)
Bromodichloromethane	ND (0.0005)	ND (0.0005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.01)	ND (0.005) UJ	ND (0.0005)	ND (0.001)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.005)	ND (0.001)	ND (0.005)
Bromoform Bromomethane (Methyl bromide)	ND (0.0005) ND (0.0005)	ND (0.0005) UJ ND (0.0005) UJ	ND (0.005) ND (0.005)	ND (0.005) ND (0.005)	ND (0.005) ND (0.005) UJ	ND (0.005) ND (0.005) UJ	ND (0.005) ND (0.005)	ND (0.01) ND (0.01)	ND (0.005) UJ ND (0.005) UJ	ND (0.0005) ND (0.0005)	ND (0.001) UJ ND (0.001) UJ	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005) UJ	ND (0.005) ND (0.005)	ND (0.001) ND (0.001)	ND (0.005) ND (0.005)
Carbon disulfide	ND (0.0005)	ND (0.0005) UJ	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.01)	ND (0.005) UJ	ND (0.0005)	ND (0.001) UJ	ND (0.0005) U	0.00034 J	ND (0.0005)	ND (0.0005)	ND (0.005)	ND (0.001)	ND (0.005)
Carbon tetrachloride	ND (0.0005)	ND (0.0005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005) UJ	ND (0.01)	ND (0.005) UJ	ND (0.0005)	ND (0.001)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.005)	ND (0.001) UJ	ND (0.005)
Chlorobenzene	ND (0.0005)	ND (0.0005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.01)	ND (0.005) UJ	ND (0.0005)	ND (0.001)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.005)	ND (0.001)	ND (0.005)
Chlorobromomethane Chloroethane	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.005) ND (0.005)	ND (0.005) ND (0.005)	ND (0.005) ND (0.005)	ND (0.005) ND (0.005)	ND (0.005) ND (0.005)	ND (0.01) ND (0.01)	ND (0.005) UJ ND (0.005) UJ	ND (0.0005) ND (0.0005)	ND (0.001) ND (0.001)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.005) ND (0.005)	ND (0.001) ND (0.001)	ND (0.005) ND (0.005)
Chloroform (Trichloromethane)	ND (0.0005)	ND (0.0005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.01)	ND (0.005) UJ	0.0001 J	ND (0.001)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.005)	ND (0.001)	ND (0.005)
Chloromethane (Methyl chloride)	ND (0.0005) U	ND (0.0005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.01)	ND (0.005) UJ	ND (0.0005) U	ND (0.001)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.005) UJ	ND (0.001)	ND (0.005)
cis-1,2-Dichloroethene	0.0036	0.00097	1.6 ^{ab}	2.4 ^{ab}	2.1 ^{ab}	2.1 ^{ab}	2.6 ^{ab}	3.4 ^{ab}	2.8 J ^{ab}	0.25ª	0.49ª	0.022	0.025	0.022	0.023	5.8 ^{ab}	0.56ª	2.7 ^{ab}
cis-1,3-Dichloropropene	ND (0.0005)	ND (0.0005) ND (0.002)	ND (0.005) UJ	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.01)	ND (0.005) UJ	ND (0.0005)	ND (0.001)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.005)	ND (0.001)	ND (0.005)
Cymene (p-Isopropyltoluene) Dibromochloromethane	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.02) ND (0.005)	ND (0.02) ND (0.005)	ND (0.02) ND (0.005)	ND (0.02) ND (0.005)	ND (0.02) ND (0.005)	ND (0.04) ND (0.01)	ND (0.02) UJ ND (0.005) UJ	ND (0.002) ND (0.0005)	ND (0.004) ND (0.001)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.02) ND (0.005)	ND (0.004) ND (0.001)	ND (0.02) ND (0.005)
Dibromomethane	ND (0.0005)	ND (0.0005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.01)	ND (0.005) UJ	ND (0.0005)	ND (0.001)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.005)	ND (0.001)	ND (0.005)
Dichlorodifluoromethane (CFC-12)	ND (0.0005) UJ	ND (0.0005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.01)	ND (0.005) UJ	ND (0.0005) UJ	ND (0.001)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.005)	ND (0.001)	ND (0.005)
Ethylbenzene Hexachlorobutadiene	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.005) ND (0.02)	ND (0.005) ND (0.02)	ND (0.005) ND (0.02)	ND (0.005) ND (0.02)	ND (0.005) ND (0.02)	ND (0.01) ND (0.04)	ND (0.005) UJ ND (0.02) UJ	ND (0.0005) ND (0.002)	ND (0.001) ND (0.004)	0.00014 J ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.005) ND (0.02)	ND (0.001) ND (0.004)	ND (0.005) ND (0.02)
Isopropyl benzene	ND (0.002)	ND (0.002)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.04)	ND (0.02) UJ	ND (0.002)	ND (0.004)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.02)	ND (0.004)	ND (0.02)
m&p-Xylene	ND (0.0005)	ND (0.0005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.01)	ND (0.005) UJ	ND (0.0005)	ND (0.001)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.005)	ND (0.001)	ND (0.005)
Methyl tert butyl ether (MTBE)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	- 0.000 X	-	-
Methylene chloride Naphthalene	ND (0.002) ND (0.002)	ND (0.002) ND (0.002) UJ	ND (0.02) ND (0.02)	0.0032 J ND (0.02)	ND (0.02) ND (0.02)	ND (0.02) U ND (0.02)	ND (0.02) ND (0.02)	0.0044 J ND (0.04)	ND (0.02) UJ ND (0.02) UJ	ND (0.002) ND (0.002)	ND (0.004) ND (0.004) UJ	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	0.002 J ND (0.02)	ND (0.004) ND (0.004)	ND (0.02) ND (0.02)
N-Butylbenzene	ND (0.002) ND (0.002)	ND (0.002) U) ND (0.002)	ND (0.02) ND (0.02)	ND (0.02)	ND (0.02) ND (0.02)	ND (0.02) ND (0.02)	ND (0.02) ND (0.02)	ND (0.04) ND (0.04)	ND (0.02) UJ	ND (0.002) ND (0.002)	ND (0.004) U)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002)	ND (0.02)	ND (0.004) ND (0.004)	ND (0.02) ND (0.02)
N-Propylbenzene	ND (0.002)	ND (0.002)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.04)	ND (0.02) UJ	ND (0.002)	ND (0.004)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.02)	ND (0.004)	ND (0.02)
o-Xylene	ND (0.0005)	ND (0.0005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.01)	ND (0.005) UJ	ND (0.0005)	ND (0.001)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.005)	ND (0.001)	ND (0.005)
Styrene tert-Butylbenzene	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.005) ND (0.02)	ND (0.005) ND (0.02)	ND (0.005) ND (0.02)	ND (0.005) ND (0.02)	ND (0.005) ND (0.02)	ND (0.01) ND (0.04)	ND (0.005) UJ ND (0.02) UJ	ND (0.0005) ND (0.002)	ND (0.001) ND (0.004)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.005) ND (0.02)	ND (0.001) ND (0.004)	ND (0.005) ND (0.02)
Tetrachloroethene	0.051 ^a	0.025 ^a	0.28 ^{ab}	0.22 ^{ab}	0.18 ^{ab}	0.18 ^{ab}	0.19 ^{ab}	0.3 ^{ab}	0.32 J ^{ab}	0.089 ^{ab}	0.083 ^{ab}	0.0095 ^a	0.0075 ^a	0.01 ^a	0.0039	0.083 ^{ab}	0.014 ^a	0.17 ^{ab}
Toluene	ND (0.0005) U	ND (0.0005) U	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.01)	ND (0.005) UJ	ND (0.0005) U	ND (0.001)	ND (0.0005) U	ND (0.00056) U	ND (0.0005)	ND (0.0006) U	ND (0.005)	0.00036 J	ND (0.005)
trans-1,2-Dichloroethene	ND (0.0005)	ND (0.0005)	0.0059	0.018	0.011	0.013	0.024	0.028	0.023 J	0.0047	0.022	0.00025 J	0.00016 J	ND (0.0005)	ND (0.0005)	0.027	0.0024	0.03
trans-1,3-Dichloropropene	ND (0.0005)	ND (0.0005) UJ	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.01)	ND (0.005) UJ	ND (0.0005)	ND (0.001) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.005)	ND (0.001) UJ	ND (0.005)
Trichloroethene	0.099 ^{ab} ND (0.0005)	0.038 ^{ab}	2.3 ^{ab}	2.5 ^{ab}	2.1 ^{ab}	2 ^{ab}	3.2 ^{ab}	4.9 ^{ab}	3.5 J ^{ab}	0.45 ^{ab}	0.31 ^{ab}	0.078 ^{ab}	0.076 ^{ab}	0.068 ^{ab}	0.045 ^{ab}	2.9 ^{ab}	0.29 ^{ab}	3.3 ^{ab} ND (0.005)
Trichlorofluoromethane (CFC-11) Vinyl chloride	ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.005) ND (0.005)	ND (0.005) ND (0.005)	ND (0.005) ND (0.005)	ND (0.005) ND (0.005)	ND (0.005) 0.0011 J	ND (0.01) 0.0014 J	ND (0.005) UJ 0.0013 J	ND (0.0005) 0.00012 J	ND (0.001) ND (0.001)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.005) 0.0011 J	ND (0.001) 0.00016 J	0.0032 J ^a
Xylene (total)	-	-	-	- (0.000)	- (0.000)	- (0.000)	-	-	-	-	-	-	-	-	-	-	-	-
3 ()																		

TABLE 5.3
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Sample Location:	OB-06	OB-06	OB-06	OB-06	OB-07	OB-07	OB-07	OB-07	OB-07	OB-07	OB-08	OB-08	OB-08	OB-08	OB-08	OB-08	OB-08	OB-08
Sample ID:	GW-042007-NH-050			,	GW-102603-MG-040	GW-120904-MG-050				GW-050306-NRS-059			GW-080805-TP-064		GW-021506-MG-045			
Sample Date: Sample Type:	4/20/2007	11/7/2007	7/14/2009	11/6/2009	10/26/2003	12/9/2004	8/8/2005	11/11/2005	2/15/2006	5/3/2006	10/27/2003	12/13/2004	8/8/2005	11/10/2005	2/15/2006	2/15/2006 (Duplicate)	4/28/2006	4/28/2006 (Duplicate)
																(Suprienc)		(Duplicate)
Parameters																		
Volatile Organic Compounds (mg/L) 1,1,1,2-Tetrachloroethane	ND (0.025)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.0005)	ND (0.0005)	ND (0.013) UJ	ND (0.005)	ND (0.05)	ND (0.005)	ND (0.001)	ND (0.001)	ND (0.013) UJ	ND (0.013) UJ				
1,1,1-Trichloroethane	ND (0.025) ND (0.025)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.0005)	ND (0.0005)	ND (0.013) Uj	ND (0.005)	ND (0.05)	ND (0.005)	ND (0.001)	ND (0.001) ND (0.001)	ND (0.013) UJ	ND (0.013) UJ				
1,1,2,2-Tetrachloroethane	ND (0.025)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.0005)	ND (0.0005)	ND (0.013)	ND (0.005)	ND (0.05)	ND (0.005)	ND (0.001)	ND (0.001)	ND (0.013) UJ	ND (0.013) UJ				
1,1,2-Trichloroethane	ND (0.025)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.0005)	ND (0.0005)	ND (0.013)	ND (0.005)	ND (0.05)	ND (0.005)	ND (0.001)	ND (0.001)	ND (0.013) UJ	ND (0.013) UJ				
1,1-Dichloroethane	ND (0.025)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.0005)	ND (0.0005)	ND (0.013)	ND (0.005)	ND (0.05)	ND (0.005)	ND (0.001)	ND (0.001)	ND (0.013) UJ	ND (0.013) UJ				
1,1-Dichloroethene 1,1-Dichloropropene	0.022 J ^a ND (0.025)	0.0099 ^a ND (0.005)	0.0093 ^a ND (0.005)	0.0061 ND (0.005)	0.00034 J ND (0.0005)	0.00025 J ND (0.0005)	0.00018 J ND (0.0005)	ND (0.0005) ND (0.0005)	0.00026 J ND (0.0005)	0.00024 J ND (0.0005)	ND (0.013) ND (0.013)	0.0032 J ND (0.005)	ND (0.05) ND (0.05)	0.0029 J ND (0.005)	0.0038 ND (0.001)	0.0041 ND (0.001)	0.0033 J ND (0.013) UJ	0.0033 J ND (0.013) UJ
1,2,3-Trichlorobenzene	ND (0.025) ND (0.1)	ND (0.003)	ND (0.003) ND (0.02)	ND (0.003)	ND (0.003)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.003)	ND (0.002)	ND (0.013) ND (0.05)	ND (0.003)	ND (0.03)	ND (0.003) ND (0.02)	ND (0.001)	ND (0.001) ND (0.004)	ND (0.013) UJ	ND (0.013) UJ
1,2,3-Trichloropropane	ND (0.025)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.0005)	ND (0.0005)	ND (0.013)	ND (0.005)	ND (0.05)	ND (0.005)	ND (0.001)	ND (0.001)	ND (0.013) UJ	ND (0.013) UJ				
1,2,4-Trichlorobenzene	ND (0.1)	ND (0.02)	ND (0.02)	ND (0.02) UJ	ND (0.002)	ND (0.002)	ND (0.05)	ND (0.02)	ND (0.2)	ND (0.02)	ND (0.004)	ND (0.004)	ND (0.05) UJ	ND (0.05) UJ				
1,2,4-Trimethylbenzene 1,2-Dibromo-3-chloropropane (DBCP)	ND (0.1) ND (0.1) UJ	ND (0.02) ND (0.02)	ND (0.02) ND (0.02)	ND (0.02) ND (0.02) UJ	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002) UJ	ND (0.002) ND (0.002)	ND (0.05) ND (0.05)	ND (0.02) ND (0.02)	ND (0.2) ND (0.2)	ND (0.02) ND (0.02)	ND (0.004) ND (0.004) UJ	ND (0.004) ND (0.004) UJ	ND (0.05) UJ ND (0.05) UJ	ND (0.05) UJ ND (0.05) UJ
1,2-Dibromoethane (Ethylene dibromide)	ND (0.1)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002) ND (0.002)	ND (0.002)	ND (0.05)	ND (0.02)	ND (0.2)	ND (0.02)	ND (0.004) C)	ND (0.004)	ND (0.05) UJ	ND (0.05) UJ
1,2-Dichlorobenzene	ND (0.025)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.0005)	ND (0.0005)	ND (0.013)	ND (0.005)	ND (0.05)	ND (0.005)	ND (0.001)	ND (0.001)	ND (0.013) UJ	ND (0.013) UJ				
1,2-Dichloroethane	ND (0.025)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.0005)	ND (0.0005)	ND (0.013)	ND (0.005)	ND (0.05)	ND (0.005)	0.0004 J	0.00044 J	ND (0.013) UJ	ND (0.013) UJ				
1,2-Dichloropropane	ND (0.025) ND (0.1)	ND (0.005) ND (0.02)	ND (0.005) ND (0.02)	ND (0.005) ND (0.02)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.013) ND (0.05)	ND (0.005) ND (0.02)	ND (0.05) ND (0.2)	ND (0.005) ND (0.02)	ND (0.001) ND (0.004)	ND (0.001) ND (0.004)	ND (0.013) UJ ND (0.05) UJ	ND (0.013) UJ ND (0.05) UJ				
1,3,5-Trimethylbenzene 1,3-Dichlorobenzene	ND (0.1) ND (0.025)	ND (0.02) ND (0.005)	ND (0.02) ND (0.005)	ND (0.02) ND (0.005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.05) ND (0.013)	ND (0.02) ND (0.005)	ND (0.2) ND (0.05)	ND (0.02) ND (0.005)	ND (0.004) ND (0.001)	ND (0.004) ND (0.001)	ND (0.05) UJ ND (0.013) UJ	ND (0.05) UJ ND (0.013) UJ				
1,3-Dichloropropane	ND (0.025)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.0005)	ND (0.0005)	ND (0.013)	ND (0.005)	ND (0.05)	ND (0.005)	ND (0.001)	ND (0.001)	ND (0.013) UJ	ND (0.013) UJ				
1,4-Dichlorobenzene	ND (0.025)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.0005)	ND (0.0005)	ND (0.013)	ND (0.005)	ND (0.05)	ND (0.005)	ND (0.001)	ND (0.001)	ND (0.013) UJ	ND (0.013) UJ				
2,2-Dichloropropane	ND (0.025)	ND (0.005)	ND (0.005)	ND (0.005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)	ND (0.013)	ND (0.005)	ND (0.05)	ND (0.005)	ND (0.001) UJ	ND (0.001) UJ	ND (0.013) UJ	ND (0.013) UJ
2-Butanone (Methyl ethyl ketone) (MEK) 2-Chlorotoluene	ND (1) UJ ND (0.1)	ND (0.2) ND (0.02)	R ND (0.02) UJ	R ND (0.02)	ND (0.02) ND (0.002)	ND (0.02) UJ ND (0.002)	0.002 J ND (0.002)	0.0051 J ND (0.002)	ND (0.02) UJ ND (0.002)	ND (0.02) UJ ND (0.002)	ND (0.5) ND (0.05)	ND (0.2) ND (0.02)	ND (2) UJ ND (0.2)	ND (0.2) UJ ND (0.02)	ND (0.04) UJ ND (0.004)	ND (0.04) UJ ND (0.004)	ND (0.5) UJ ND (0.05) UJ	ND (0.5) UJ ND (0.05) UJ
2-Hexanone	ND (1)	ND (0.2)	ND (0.2)	R	ND (0.02)	ND (0.02) UJ	ND (0.02) UJ	ND (0.02) UJ	ND (0.02) UJ	ND (0.02) UJ	ND (0.5)	ND (0.2)	ND (2) UJ	ND (0.2) UJ	ND (0.04) UJ	ND (0.04) UJ	ND (0.5) UJ	ND (0.5) UJ
2-Phenylbutane (sec-Butylbenzene)	ND (0.1)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.002)	ND (0.002)	ND (0.05)	ND (0.02) UJ	ND (0.2)	ND (0.02)	ND (0.004)	ND (0.004)	ND (0.05) UJ	ND (0.05) UJ				
4-Chlorotoluene	ND (0.1)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.002)	ND (0.002)	ND (0.05)	ND (0.02)	ND (0.2)	ND (0.02)	ND (0.004)	ND (0.004)	ND (0.05) UJ	ND (0.05) UJ				
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	ND (1)	ND (0.2)	R	ND (0.2)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02) UJ	ND (0.02) UJ	ND (0.02) UJ	ND (0.5)	ND (0.2) UJ	ND (2)	ND (0.2) UJ	ND (0.04) UJ	ND (0.04) UJ	ND (0.5) UJ	ND (0.5) UJ
Acetone	ND (1)	ND (0.2)	R	R	0.0075 J	ND (0.02) UJ	0.0058 J	0.055 J	ND (0.02) UJ	0.0047 J	ND (0.5)	ND (0.2) UJ	ND (2) UJ	ND (0.2) UJ	ND (0.04) UJ	ND (0.04) UJ	ND (0.5) UJ	ND (0.5) UJ
Benzene	ND (0.025)	ND (0.005)	0.0005 J	ND (0.005)	0.00025 J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.013)	ND (0.005)	ND (0.05)	ND (0.005)	0.00036 J	0.00036 J	ND (0.013) UJ	ND (0.013) UJ
Bromobenzene	ND (0.1)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.002)	ND (0.002)	ND (0.05)	ND (0.02)	ND (0.2)	ND (0.02)	ND (0.004)	ND (0.004)	ND (0.05) UJ	ND (0.05) UJ				
Bromodichloromethane Bromoform	ND (0.025) ND (0.025)	ND (0.005) ND (0.005)	ND (0.005) ND (0.005)	ND (0.005) ND (0.005) UJ	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.013) ND (0.013)	ND (0.005) ND (0.005)	ND (0.05) ND (0.05)	ND (0.005) ND (0.005)	ND (0.001) ND (0.001)	ND (0.001) ND (0.001)	ND (0.013) UJ ND (0.013) UJ	ND (0.013) UJ ND (0.013) UJ				
Bromomethane (Methyl bromide)	ND (0.025)	ND (0.005)	ND (0.005)	ND (0.005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.013)	ND (0.005)	ND (0.05) UJ	ND (0.005)	ND (0.001)	ND (0.001)	ND (0.013) UJ	ND (0.013) UJ
Carbon disulfide	ND (0.025)	ND (0.005)	ND (0.005)	ND (0.005) UJ	0.0012	0.00053	ND (0.00051) U	ND (0.0005) U	0.00021 J	0.00021 J	ND (0.013)	ND (0.005)	ND (0.05)	ND (0.005)	ND (0.001)	ND (0.001)	ND (0.013) UJ	ND (0.013) UJ
Carbon tetrachloride	ND (0.025)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)	ND (0.013)	ND (0.005)	ND (0.05)	ND (0.005)	ND (0.001) UJ	ND (0.001) UJ	ND (0.013) UJ	ND (0.013) UJ
Chlorobenzene Chlorobromomethane	ND (0.025) ND (0.025)	ND (0.005) ND (0.005)	ND (0.005) ND (0.005)	ND (0.005) ND (0.005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.013) ND (0.013)	ND (0.005) ND (0.005)	ND (0.05) ND (0.05)	ND (0.005) ND (0.005)	ND (0.001) ND (0.001)	ND (0.001) ND (0.001)	ND (0.013) UJ ND (0.013) UJ	ND (0.013) UJ ND (0.013) UJ				
Chloroethane	ND (0.025) ND (0.025)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.0005)	ND (0.0005)	ND (0.013)	ND (0.005)	ND (0.05)	ND (0.005)	ND (0.001)	ND (0.001)	ND (0.013) UJ	ND (0.013) UJ				
Chloroform (Trichloromethane)	ND (0.025)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.0005)	ND (0.0005)	ND (0.013)	ND (0.005)	ND (0.05)	ND (0.005)	0.00076 J	0.0008 J	ND (0.013) UJ	ND (0.013) UJ				
Chloromethane (Methyl chloride)	ND (0.025)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.013)	ND (0.005)	ND (0.05)	ND (0.005) UJ	ND (0.001)	ND (0.001)	ND (0.013) UJ	ND (0.013) UJ
cis-1,2-Dichloroethene	11 ^{ab}	6.1 ^{ab}	2.9 ^{ab}	2 ^{ab}	0.11ª	0.086ª	0.055	0.031	0.12 ^a	0.098ª	0.37ª	0.91ª	0.59ª	1.6ab	2.1 ^{ab}	2.1 ^{ab}	1.3 J ^{ab}	1.3 J ^{ab}
cis-1,3-Dichloropropene	ND (0.025)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.0005)	ND (0.0005)	ND (0.013) UJ	ND (0.005)	ND (0.05)	ND (0.005)	ND (0.001)	ND (0.001)	ND (0.013) UJ	ND (0.013) UJ				
Cymene (p-Isopropyltoluene) Dibromochloromethane	ND (0.1) ND (0.025)	ND (0.02) ND (0.005)	ND (0.02) ND (0.005)	ND (0.02) ND (0.005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.05) ND (0.013)	ND (0.02) ND (0.005)	ND (0.2) ND (0.05)	ND (0.02) ND (0.005)	ND (0.004) ND (0.001)	ND (0.004) ND (0.001)	ND (0.05) UJ ND (0.013) UJ	ND (0.05) UJ ND (0.013) UJ				
Dibromomethane	ND (0.025)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.0005)	ND (0.0005)	ND (0.013)	ND (0.005)	ND (0.05)	ND (0.005)	ND (0.001)	ND (0.001)	ND (0.013) UJ	ND (0.013) UJ				
Dichlorodifluoromethane (CFC-12)	ND (0.025)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.0005)	ND (0.0005)	ND (0.013)	ND (0.005)	ND (0.05)	ND (0.005)	ND (0.001)	ND (0.001)	ND (0.013) UJ	ND (0.013) UJ				
Ethylbenzene Hexachlorobutadiene	ND (0.025) ND (0.1)	ND (0.005)	ND (0.005) ND (0.02)	ND (0.005) ND (0.02)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005)	ND (0.0005)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.013)	ND (0.005) ND (0.02)	ND (0.05) ND (0.2)	ND (0.005)	ND (0.001) ND (0.004)	ND (0.001)	ND (0.013) UJ	ND (0.013) UJ
Isopropyl benzene	ND (0.1) ND (0.1)	ND (0.02) ND (0.02)	ND (0.02) ND (0.02)	ND (0.02) ND (0.02)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.05) ND (0.05)	ND (0.02) ND (0.02)	ND (0.2) ND (0.2)	ND (0.02) ND (0.02)	ND (0.004) ND (0.004)	ND (0.004) ND (0.004)	ND (0.05) UJ ND (0.05) UJ	ND (0.05) UJ ND (0.05) UJ				
m&p-Xylene	ND (0.025)	ND (0.005)	ND (0.02)	ND (0.005)	ND (0.002)	ND (0.002)	ND (0.013)	ND (0.005)	ND (0.2)	ND (0.005)	ND (0.001)	ND (0.004)	ND (0.013) UJ	ND (0.03) UJ				
Methyl tert butyl ether (MTBE)		`- <i>′</i>	- '	-	-	- ′	- /	`- ′	- '	`- ′	- ′	-		- ·- ·	-	- ′	-	-
Methylene chloride	0.02 J ^a	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.002)	ND (0.002)	ND (0.05)	0.0047 J	0.05 J ^a	0.0023 J	ND (0.004)	ND (0.004)	ND (0.05) UJ	ND (0.05) UJ				
Naphthalene	ND (0.1)	ND (0.02)	ND (0.02)	ND (0.02) UJ	ND (0.002)	ND (0.002)	ND (0.002)	0.00072 J	ND (0.002)	ND (0.002)	ND (0.05)	ND (0.02)	ND (0.2)	ND (0.02)	ND (0.004)	ND (0.004)	ND (0.05) UJ	ND (0.05) UJ
N-Butylbenzene N-Propylbenzene	ND (0.1) ND (0.1)	ND (0.02) ND (0.02)	ND (0.02) ND (0.02) UJ	ND (0.02) ND (0.02)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.05) ND (0.05)	ND (0.02) ND (0.02)	ND (0.2) ND (0.2)	ND (0.02) ND (0.02)	ND (0.004) ND (0.004)	ND (0.004) ND (0.004)	ND (0.05) UJ ND (0.05) UJ	ND (0.05) UJ ND (0.05) UJ				
o-Xylene	ND (0.1) ND (0.025)	ND (0.02) ND (0.005)	ND (0.02) U) ND (0.005)	ND (0.02) ND (0.005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.03)	ND (0.02) ND (0.005)	ND (0.2) ND (0.05)	ND (0.02) ND (0.005)	ND (0.004) ND (0.001)	ND (0.004) ND (0.001)	ND (0.013) UJ	ND (0.03) UJ				
Styrene	ND (0.025)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.0005)	ND (0.0005)	ND (0.013)	ND (0.005)	ND (0.05)	ND (0.005)	ND (0.001)	ND (0.001)	ND (0.013) UJ	ND (0.013) UJ				
tert-Butylbenzene	ND (0.1)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.002)	ND (0.002)	ND (0.05)	ND (0.02)	ND (0.2)	ND (0.02)	ND (0.004)	ND (0.004)	ND (0.05) UJ	ND (0.05) UJ				
Tetrachloroethene	0.35 ^{ab}	0.15 ^{ab}	0.081 ab	0.047ª	0.004	0.0049	0.0036	0.0012	0.0046	0.004	0.46 ^{ab}	0.2 ^{ab}	0.25 ^{ab}	0.19 ^{ab}	0.27 ^{ab}	0.26 ^{ab}	0.33 J ^{ab}	0.32 J ^{ab}
Toluene	ND (0.025)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.0005) U	ND (0.0005) U	ND (0.0005) U	0.00029 J	0.00012 J	ND (0.0005) U	ND (0.013)	ND (0.005)	ND (0.05)	ND (0.005)	ND (0.001)	ND (0.001)	ND (0.013) UJ	ND (0.013) UJ
trans-1,2-Dichloroethene trans-1,3-Dichloropropene	0.045 ND (0.025)	0.019 ND (0.005)	0.027 ND (0.005)	0.019 ND (0.005) UJ	0.0013 ND (0.0005)	0.00076 ND (0.0005)	0.00057 ND (0.0005)	0.00017 J ND (0.0005)	0.00099 ND (0.0005) UJ	0.0012 ND (0.0005)	0.0053 ND (0.013)	0.011 ND (0.005)	ND (0.05) ND (0.05)	0.038 ND (0.005)	0.045 ND (0.001) UJ	0.038 ND (0.001) UJ	0.011 J ND (0.013) UJ	0.011 J ND (0.013) UJ
Trichloroethene	8.5 ^{ab}	2.8 ^{ab}	1.9 ^{ab}	1 ^{ab}	0.13 ^{ab}	0.11 ^{ab}	0.1 ^{ab}	0.012 ^{ab}	0.1 ^{ab}	0.08 ^{ab}	8.6 ^{ab}	2.4 ^{ab}	4.3 ^{ab}	4.1 ^{ab}	4.7 ^{ab}	4.8 ^{ab}	6.5 J ^{ab}	6.3 J ^{ab}
Trichlorofluoromethane (CFC-11)	ND (0.025)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.0005)	ND (0.0005)	ND (0.013)	ND (0.005)	ND (0.05)	ND (0.005)	ND (0.001)	ND (0.001)	ND (0.013) UJ	ND (0.013) UJ				
Vinyl chloride	0.003 J ^a	0.0077 ^{ab}	0.013 ^{ab}	0.0082ab	0.00037 J	0.00028 J	ND (0.0005)	0.00071	0.00052	0.00034 J	ND (0.013)	ND (0.005)	ND (0.05)	0.0005 J	0.00066 J	0.00066 J	ND (0.013) UJ	ND (0.013) UJ
Xylene (total)	-	-	-	-	-	- '	`- ´	-	-	-	- 1	-	-	-	=	-	-	-

TABLE 5.3
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Sample Location:	OB-08	OB-08	OB-08	OB-08	OB-08	OB-08	OB-08	OB-08	OB-08	OB-09	OB-09	OB-09	OB-09	OB-09	OB-09	OB-09	OB-09	OB-09
Sample ID:	GW-041807-NH-035	GW-110207-NH-023	GW-013108-NH-064	4 GW-041408-JP-027	7 GW-092508-JP-055	GW-120908-JP-031	GW-040809-JP-057	GW-071509-TP-143	3 GW-110609-JP-067	GW-102203-MG-007	7 GW-102203-MG-008	GW-121004-MG-059	GW-121004-MG-06	0 GW-072505-TP-003	GW-111805-MG-080	GW-021406-MG-044	$GW\hbox{-}042706\hbox{-}NRS\hbox{-}025$	GW-050906-NRS-084
Sample Date: Sample Type:	4/18/2007	11/2/2007	1/31/2008	4/14/2008	9/25/2008	12/9/2008	4/8/2009	7/15/2009	11/6/2009	10/22/2003	10/22/2003 (Duplicate)	12/10/2004	12/10/2004 (Duplicate)	7/25/2005	11/18/2005	2/14/2006	4/27/2006	5/9/2006
											(Bupileute)		(Dupiteute)					
Parameters																		
Volatile Organic Compounds (mg/L) 1,1,1,2-Tetrachloroethane	ND (0.02)	ND (0.01)	ND (0.013)	ND (0.025)	ND (0.005)	ND (0.0025)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,1,1-Trichloroethane	ND (0.02)	ND (0.01)	ND (0.013)	ND (0.025)	ND (0.005) UJ	ND (0.0025)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ
1,1,2,2-Tetrachloroethane	ND (0.02)	ND (0.01)	ND (0.013)	ND (0.025)	ND (0.005) UJ	ND (0.0025)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,1,2-Trichloroethane	ND (0.02)	ND (0.01)	ND (0.013)	ND (0.025)	ND (0.005)	ND (0.0025)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,1-Dichloroethane 1,1-Dichloroethene	ND (0.02) ND (0.02)	ND (0.01)	ND (0.013)	ND (0.025) ND (0.025)	ND (0.005)	ND (0.0025)	ND (0.001)	ND (0.001) ND (0.001)	ND (0.001)	ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,1-Dichloropropene	ND (0.02)	0.0048 J ND (0.01)	0.0043 J ND (0.013)	ND (0.025) ND (0.025)	ND (0.005) ND (0.005)	ND (0.0025) ND (0.0025)	ND (0.001) ND (0.001)	ND (0.001) ND (0.001)	ND (0.001) ND (0.001)	ND (0.0005) ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)
1,2,3-Trichlorobenzene	ND (0.08)	ND (0.04)	ND (0.05)	ND (0.1)	ND (0.02) UJ	ND (0.01)	ND (0.004)	ND (0.004)	ND (0.004) UJ	ND (0.002) UJ	ND (0.002) UJ	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
1,2,3-Trichloropropane	ND (0.02)	ND (0.01)	ND (0.013)	ND (0.025)	ND (0.005)	ND (0.0025)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,2,4-Trichlorobenzene	ND (0.08)	ND (0.04)	ND (0.05)	ND (0.1)	ND (0.02)	ND (0.01)	ND (0.004)	ND (0.004)	ND (0.004) UJ	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
1,2,4-Trimethylbenzene 1,2-Dibromo-3-chloropropane (DBCP)	ND (0.08) ND (0.08)	ND (0.04) ND (0.04)	ND (0.05) ND (0.05)	ND (0.1) R	ND (0.02) ND (0.02) UJ	ND (0.01) ND (0.01)	ND (0.004) ND (0.004) UJ	ND (0.004) R	ND (0.004) ND (0.004) UJ	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002) UJ	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)
1,2-Dibromoethane (Ethylene dibromide)	ND (0.08)	ND (0.04)	ND (0.05)	ND (0.1)	ND (0.02)	ND (0.01)	ND (0.004)	ND (0.004)	ND (0.004)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
1,2-Dichlorobenzene	ND (0.02)	ND (0.01)	ND (0.013)	ND (0.025)	ND (0.005)	ND (0.0025)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,2-Dichloroethane	ND (0.02)	ND (0.01)	ND (0.013)	ND (0.025)	ND (0.005)	ND (0.0025)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,2-Dichloropropane 1,3,5-Trimethylbenzene	ND (0.02) ND (0.08)	ND (0.01) ND (0.04)	ND (0.013) ND (0.05)	ND (0.025) ND (0.1)	ND (0.005) ND (0.02)	ND (0.0025) ND (0.01)	ND (0.001) ND (0.004)	ND (0.001) ND (0.004)	ND (0.001) ND (0.004)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)
1,3-Dichlorobenzene	ND (0.02)	ND (0.01)	ND (0.013)	ND (0.025)	ND (0.005)	ND (0.0025)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.0005) UJ	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,3-Dichloropropane	ND (0.02)	ND (0.01)	ND (0.013)	ND (0.025)	ND (0.005)	ND (0.0025)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,4-Dichlorobenzene	ND (0.02)	ND (0.01)	ND (0.013)	ND (0.025)	ND (0.005)	ND (0.0025)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
2,2-Dichloropropane 2-Butanone (Methyl ethyl ketone) (MEK)	ND (0.02) ND (0.8)	ND (0.01) ND (0.4) UJ	ND (0.013) ND (0.5)	ND (0.025) R	ND (0.005) R	ND (0.0025) R	ND (0.001) R	ND (0.001) R	ND (0.001) UJ R	ND (0.0005) UJ ND (0.02) UJ	ND (0.0005) UJ ND (0.02) UJ	ND (0.0005) ND (0.02) UJ	ND (0.0005) UJ ND (0.02) UJ	ND (0.0005) ND (0.02) UJ	ND (0.0005) ND (0.02) UJ			
2-Chlorotoluene	ND (0.08)	ND (0.04)	ND (0.05)	ND (0.1)	ND (0.02)	ND (0.01)	ND (0.004)	ND (0.004)	ND (0.004)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.02)	ND (0.02)
2-Hexanone	ND (0.8)	ND (0.4)	ND (0.5)	R	ND (0.2)	ND (0.1)	ND (0.04)	R	R	ND (0.02)	ND (0.02)	ND (0.02) ÚJ	ND (0.02) ÚJ	ND (0.02) ÚJ	ND (0.02) ÚJ	ND (0.02) ÚJ	ND (0.02) ÚJ	ND (0.02)
2-Phenylbutane (sec-Butylbenzene)	ND (0.08)	ND (0.04)	ND (0.05)	ND (0.1)	ND (0.02)	ND (0.01)	ND (0.004)	ND (0.004)	ND (0.004)	ND (0.002) UJ	ND (0.002) UJ	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
4-Chlorotoluene 4-Methyl-2-pentanone	ND (0.08)	ND (0.04)	ND (0.05)	ND (0.1)	ND (0.02)	ND (0.01)	ND (0.004)	ND (0.004)	ND (0.004)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
(Methyl isobutyl ketone) (MIBK)	ND (0.8)	ND (0.4)	ND (0.5)	R	R	ND (0.1)	ND (0.04)	R	ND (0.04)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02) UJ	ND (0.02) UJ	ND (0.02) UJ	ND (0.02) UJ	ND (0.02) UJ
Acetone	ND (0.8)	ND (0.4)	ND (0.5)	R	R	ND (0.1)	R	0.0081 J	R	ND (0.02) UJ	ND (0.02) UJ	ND (0.02) UJ	ND (0.02) UJ	ND (0.02) UJ	ND (0.02) UJ	ND (0.02) UJ	ND (0.02) UJ	ND (0.02) UJ
Benzene	ND (0.02)	ND (0.01)	ND (0.013)	ND (0.025)	ND (0.005)	ND (0.0025)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Bromobenzene Bromodichloromethane	ND (0.08) ND (0.02)	ND (0.04) ND (0.01)	ND (0.05) ND (0.013)	ND (0.1) ND (0.025)	ND (0.02) ND (0.005)	ND (0.01) ND (0.0025)	ND (0.004) ND (0.001)	ND (0.004) ND (0.001)	ND (0.004) ND (0.001)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)
Bromoform	ND (0.02)	ND (0.01) ND (0.01)	ND (0.013)	ND (0.025)	ND (0.005)	ND (0.0025)	ND (0.001)	ND (0.001)	ND (0.001) ND (0.001) UJ	ND (0.0005) UJ	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ
Bromomethane (Methyl bromide)	ND (0.02)	ND (0.01)	ND (0.013)	ND (0.025)	ND (0.005)	ND (0.0025)	ND (0.001) UJ	ND (0.001)	ND (0.001) UJ	ND (0.0005) UJ	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)
Carbon disulfide	ND (0.02)	ND (0.01)	ND (0.013)	ND (0.025)	ND (0.005)	ND (0.0025)	ND (0.001)	ND (0.001)	ND (0.001) UJ	ND (0.0005) UJ	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Carbon tetrachloride Chlorobenzene	ND (0.02) ND (0.02)	ND (0.01) ND (0.01)	ND (0.013) ND (0.013)	ND (0.025) ND (0.025)	ND (0.005) UJ ND (0.005)	ND (0.0025) ND (0.0025)	ND (0.001) ND (0.001)	ND (0.001) ND (0.001)	ND (0.001) ND (0.001)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) UJ ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) UJ ND (0.0005)
Chlorobromomethane	ND (0.02)	ND (0.01) ND (0.01)	ND (0.013)	ND (0.025)	ND (0.005)	ND (0.0025)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Chloroethane	ND (0.02)	ND (0.01)	ND (0.013)	ND (0.025)	ND (0.005)	ND (0.0025)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Chloroform (Trichloromethane)	ND (0.02)	ND (0.01)	ND (0.013)	ND (0.025)	ND (0.005)	ND (0.0025)	ND (0.001) U	ND (0.001)	0.00016 J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Chloromethane (Methyl chloride)	ND (0.02)	ND (0.01) 2 ^{ab}	ND (0.013) 2 ^{ab}	ND (0.025)	ND (0.005)	ND (0.0025)	ND (0.001) UJ	ND (0.001)	ND (0.001)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
cis-1,2-Dichloroethene cis-1,3-Dichloropropene	ND (0.02)	ND (0.01)	ND (0.013)	0.36 ^a ND (0.025)	0.13 ^a ND (0.005)	0.27 ^a ND (0.0025)	0.17 ^a ND (0.001)	0.031 ND (0.001)	0.13 ^a ND (0.001)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	0.00014 J ND (0.0005)	0.00026 J ND (0.0005)	0.00055 ND (0.0005)	0.0059 ND (0.0005)
Cymene (p-Isopropyltoluene)	ND (0.02) ND (0.08)	ND (0.01) ND (0.04)	ND (0.013)	ND (0.025) ND (0.1)	ND (0.003)	ND (0.0025) ND (0.01)	ND (0.001)	ND (0.001) ND (0.004)	ND (0.001) ND (0.004)	ND (0.0003)	ND (0.003) ND (0.002)	ND (0.003)	ND (0.0003)	ND (0.0005) ND (0.002)	ND (0.0003)	ND (0.0003)	ND (0.0003) ND (0.002)	ND (0.0005) ND (0.002)
Dibromochloromethane	ND (0.02)	ND (0.01)	ND (0.013)	ND (0.025)	ND (0.005)	ND (0.0025) UJ	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Dibromomethane	ND (0.02)	ND (0.01)	ND (0.013)	ND (0.025)	ND (0.005)	ND (0.0025)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Dichlorodifluoromethane (CFC-12) Ethylbenzene	ND (0.02) ND (0.02)	ND (0.01) ND (0.01)	ND (0.013) ND (0.013)	ND (0.025) ND (0.025)	ND (0.005) ND (0.005)	ND (0.0025) ND (0.0025)	ND (0.001) ND (0.001)	ND (0.001) UJ ND (0.001)	ND (0.001) ND (0.001)	ND (0.0005) UJ ND (0.0005)	ND (0.0005) UJ ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) UJ ND (0.0005)	ND (0.0005) UJ ND (0.0005)
Hexachlorobutadiene	ND (0.08)	ND (0.01)	ND (0.05)	ND (0.1)	ND (0.003)	ND (0.0025)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.0003)	ND (0.002)	ND (0.002)	ND (0.003)	ND (0.003)	ND (0.002)
Isopropyl benzene	ND (0.08)	ND (0.04)	ND (0.05)	ND (0.1)	ND (0.02)	ND (0.01)	ND (0.004)	ND (0.004)	ND (0.004)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
m&p-Xylene	ND (0.02)	ND (0.01)	ND (0.013)	ND (0.025)	ND (0.005)	ND (0.0025)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Methyl tert butyl ether (MTBE)	0.013 J ^a	1	- NID (0.05)	- NID (0.1)	- NID (0.00)	- NID (0.01)	NTD (0.004)	- NTD (0.004)	- NTD (0.004)	- NID (0.002)	- NID (0.002)	- NID (0.000)	- NTD (0.000)	- NID (0.000)	- NTD (0.002)	- NID (0.000)	- NTD (0.002)	- NID (0.002)
Methylene chloride Naphthalene	ND (0.08)	ND (0.04) ND (0.04)	ND (0.05) ND (0.05)	ND (0.1) ND (0.1)	ND (0.02) ND (0.02) UJ	ND (0.01) ND (0.01) UJ	ND (0.004) ND (0.004)	ND (0.004) ND (0.004)	ND (0.004) ND (0.004) UJ	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)
N-Butylbenzene	ND (0.08)	ND (0.04)	ND (0.05)	ND (0.1) ND (0.1)	ND (0.02) ND (0.02)	ND (0.01) C)	ND (0.004)	ND (0.004)	ND (0.004) C)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002) ND (0.002)	ND (0.002)	ND (0.002)
N-Propylbenzene	ND (0.08)	ND (0.04)	ND (0.05)	ND (0.1)	ND (0.02)	ND (0.01)	ND (0.004)	ND (0.004)	ND (0.004)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
o-Xylene	ND (0.02)	ND (0.01)	ND (0.013)	ND (0.025)	ND (0.005)	ND (0.0025)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Styrene tert-Butylbenzene	ND (0.02) ND (0.08)	ND (0.01) ND (0.04)	ND (0.013) ND (0.05)	ND (0.025) ND (0.1)	ND (0.005) ND (0.02)	ND (0.0025) ND (0.01)	ND (0.001) ND (0.004)	ND (0.001) ND (0.004)	ND (0.001) ND (0.004)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)
Tetrachloroethene	0.56 ^{ab}	0.25 ^{ab}	0.36 ^{ab}	0.65 ^{ab}	0.22 ^{ab}	0.11 ^{ab}	0.097 ^{ab}	0.077 ^{ab}	0.087 ^{ab}	0.0025	0.0025	0.0021	0.0021	0.0018	0.0024	0.0037	0.0044	ND (0.002) ND (0.0005)
Toluene	ND (0.02)	ND (0.01)	ND (0.013)	ND (0.025)	ND (0.005)	ND (0.0025)	ND (0.001) U	ND (0.001) U	ND (0.001) U	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) U	ND (0.0005)	0.00012 J	0.0041
trans-1,2-Dichloroethene	0.006 J	0.029	0.031	ND (0.025)	0.0054	0.024	0.0057	0.00084 J	0.0035	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	0.00019 J
trans-1,3-Dichloropropene	ND (0.02)	ND (0.01)	ND (0.013)	ND (0.025)	ND (0.005)	ND (0.0025)	ND (0.001)	ND (0.001)	ND (0.001) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)
Trichloroethene	11 ^{ab}	4.1 ^{ab}	9.7 ^{ab}	18 ^{ab}	1.5ab	1.1ab	0.82 ^{ab}	0.4ªb	0.62 ^{ab}	0.0049	0.0051 ^a	0.0039	0.0039	0.0019	0.0042	0.0081 ^{ab}	0.012 ^{ab}	0.00024 J
Trichlorofluoromethane (CFC-11)	ND (0.02)	ND (0.01)	ND (0.013)	ND (0.025)	ND (0.005) UJ	ND (0.0025)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ
Vinyl chloride Xylene (total)	ND (0.02)	0.001 J	ND (0.013)	ND (0.025)	ND (0.005)	ND (0.0025)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	0.0006
Ayretic (total)	-	-	-	-	-	-	-	-	-	=	-	-	-	=	-	-	-	-

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SUMMARY OF PHASE IIB RFI GROUNDWATER VOC ANALYTICAL DATA - OVERBURDEN WELLS RADIO MATERIALS CORPORATION ATTICA. INDIANA

OB-09 OB-09 OB-09 OB-09 OB-09 OB-09 OB-10 OB-10 OB-10 OB-11 Sample Location OB-09 OB-09 OB-09 OB-10 OB-10 OB-10 OB-11 OB-11 Sample ID: GW-041807-NH-034 GW-110707-NH-042 GW-012808-NH-044 GW-041508-IP-031 GW-092508-IP-054 GW-102403-MG-026 GW-102109-IP-039 GW-102703-MG-048 GW-111005-MG-050 GW-021506-MG-052 GW-042706-NRS-021 GW-04203-MG-026 GW-102403-MG-027 GW-1121004-MG-069 GW-080505-TP-062 GW-0111005-MG-069 GW-021506-MG-052 GW-042706-NRS-021 11/10/2005 1/28/2008 12/9/2008 4/6/2009 7/10/2009 10/24/2003 Sample Date: 4/18/2007 11/7/2007 4/15/2008 9/25/2008 11/3/2009 10/27/2003 12/14/2004 8/5/2005 2/15/2006 4/27/2006 10/24/2003 12/13/2004 Sample Type: (Duplicate) Parameters Volatile Organic Compounds (mg/L) 1,1,1,2-Tetrachloroethane ND (0.0005) UI ND (0.0005) ND (0.0005) ND (0.0005) ND (0.0005) ND (0.0005) ND (0.0005 ND (0.0005) ND (0.0005) 1.1.1-Trichloroethan ND (0.0005) ND (0.0005 ND (0.0005) ND (0.0005) ND (0.0005) UI ND (0.0005) ND (0.0005 ND (0.0005 ND (0.0005) ND (0.0005) ND (0.0005) ND (0.0005) ND (0.0005) ND (0.0005 ND (0.0005 ND (0.0005 ND (0.0005) ND (0.0005 1,1,2,2-Tetrachloroethan ND (0.0005) ND (0.0005 ND (0.0005) ND (0.0005) ND (0.0005) U ND (0.0005) ND (0.0005) ND (0.0005) ND (0.0005) ND (0.0005) ND (0.0005) ND (0.0005 ND (0.0005) ND (0.0005) ND (0.0005) ND (0.0005) ND (0.0005) ND (0.0005 1.1.2-Trichloroethane ND (0.0005) ND (0.0005 ND (0.0005) ND (0.0005) ND (0.0005) ND (0.0005) ND (0.0005) ND (0.0005 1.1-Dichloroethane ND (0.0005) 1.1-Dichloroethene ND (0.0005) ND (0.0005 ND (0.0005) ND (0.0005) ND (0.0005) ND (0.0005 ND (0.0005) ND (0.0005) ND (0.0005) ND (0.0005) ND (0.0005) ND (0.0005 ND (0.0005) ND (0.0005) ND (0.0005) ND (0.0005 ND (0.0005) ND (0.0005 1,1-Dichloropropene ND (0.0005) ND (0.0005 ND (0.0005) ND (0.0005 ND (0.0005) ND (0.0005 ND (0.0005) ND (0.0005 ND (0.0005) ND (0.0005 1,2,3-Trichlorobenzen ND (0.002) ND (0.002) U ND (0.002) ND (0.002) U ND (0.002) UI ND (0.002) ND (0.002) ND (0.002) ND (0.002) ND (0.002) ND (0.002 ND (0.002) ND (0.002) ND (0.002) ND (0.002) ND (0.002 ND (0.002) ND (0.002) 1 2.3-Trichloropropar ND (0.0005) ND (0.0005 ND (0.0005) 1.2.4-Trichlorobenzene ND (0.002) 1.2.4-Trimethylbenzene ND (0.002) 1.2-Dibromo-3-chloropropane (DBCP) ND (0.002) ND (0.002) U ND (0.002) ND (0.002) ND (0.002) ND (0.002) ND (0.002) ND (0.002) U ND (0.002) 1,2-Dibromoethane (Ethylene dibromide) ND (0.002) 1.2-Dichlorobenzene ND (0.0005) ND (0.0005 ND (0.0005) ND (0.0005) ND (0.0005 ND (0.0005 ND (0.0005) ND (0.0005) ND (0.0005) ND (0.0005) ND (0.0005) ND (0.0005 ND (0.0005) ND (0.0005) ND (0.0005) ND (0.0005 ND (0.0005) ND (0.0005 1.2-Dichloroethane ND (0.0005) ND (0.0005 ND (0.0005) ND (0.0005) ND (0.0005) ND (0.0005) ND (0.0005) ND (0.0005) ND (0.0005 ND (0.0005 ND (0.0005) ND (0.0005) ND (0.0005 ND (0.0005 ND (0.0005 ND (0.0005) ND (0.0005) ND (0.0005 1,2-Dichloropropane ND (0.0005) 1.3.5-Trimethylbenzene ND (0.002) ND (0.002 NID (0.002) ND (0.002) ND (0.002) ND (0.002) 1.3-Dichlorobenzene ND (0.0005) U ND (0.0005) UI ND (0.0005) 1,3-Dichloropropane ND (0.0005) 1.4-Dichlorobenzene ND (0.0005) ND (0.0005 ND (0.0005) 2,2-Dichloropropane ND (0.0005) ND (0.0005 ND (0.0005) ND (0.0005 ND (0.0005) ND (0.0005) U ND (0.0005 ND (0.0005) U ND (0.0005) U ND (0.0005 2-Butanone (Methyl ethyl ketone) (MEK) ND (0.02) ND (0.02) ND (0.02) ND (0.02) ND (0.02) U ND (0.02) UI ND (0.02) U ND (0.002) ND (0.002) ND (0.002) ND (0.002) ND (0.002) ND (0.002) 2-Chlorotoluene ND (0.002) ND (0.002) ND (0.002) ND (0.002 ND (0.002) ND (0.002) ND (0.002) ND (0.002 ND (0.002) ND (0.002) ND (0.002) ND (0.002) 2-Hexanone ND (0.02) U ND (0.02) UI ND (0.02) UI ND (0.02) UI ND (0.02) UI ND (0.02) U ND (0.02) UI ND (0.02) U 2-Phenylbutane (sec-Butylbenzene) ND (0.002) III ND (0.002) LII ND (0.002) 4-Chlorotoluene ND (0.002) UI ND (0.002) UI ND (0.002) 4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK) ND (0.02) UI ND (0.02) U ND (0.02) U ND (0.02) UI ND (0.02) UJ ND (0.02) UJ ND (0.02) U ND (0.02) UI ND (0.02) UI ND (0.02) UJ ND (0.02) U Acetone Benzene ND (0.0005) ND (0.0005 ND (0.0005) ND (0.0005) ND (0.0005) U ND (0.0005 ND (0.0005) ND (0.0005) ND (0.0005) U ND (0.0005) ND (0.0005) ND (0.0005 ND (0.0005) ND (0.0005 ND (0.0005) ND (0.0005) ND (0.0005) ND (0.0005 Bromohenzen ND (0.002) ND (0.002 ND (0.002) ND (0.002) ND (0.002) ND (0.002) ND (0.002) Bromodichloromethane ND (0.0005) Bromoform ND (0.0005) U ND (0.0005) UI ND (0.0005) ND (0.0005) Bromomethane (Methyl bromide) ND (0.0005) UI ND (0.0005) U ND (0.0005) UI Carbon disulfide ND (0.0005) ND (0.0005 ND (0.0005) ND (0.0005) ND (0.0005) ND (0.0005 0.00009 J ND (0.0005) U ND (0.0005) UJ ND (0.0005) Carbon tetrachloride ND (0.0005) ND (0.0005 ND (0.0005) ND (0.0005) ND (0.0005) U ND (0.0005) ND (0.0005 ND (0.0005) UI ND (0.0005) ND (0.0005) ND (0.0005) ND (0.0005 Chlorobenzene ND (0.0005) ND (0.0005 ND (0.0005) ND (0.0005) ND (0.0005) ND (0.0005 ND (0.0005 ND (0.0005) ND (0.0005) ND (0.0005) ND (0.0005) ND (0.0005 ND (0.0005) ND (0.0005) ND (0.0005) ND (0.0005 ND (0.0005) ND (0.0005 Chlorobromomethan ND (0.0005) ND (0.0005 ND (0.0005) ND (0.0005) ND (0.0005) ND (0.0005 ND (0.0005 ND (0.0005) ND (0.0005) ND (0.0005) ND (0.0005) ND (0.0005 ND (0.0005) ND (0.0005) ND (0.0005) ND (0.0005 ND (0.0005) ND (0.0005) Chloroethane ND (0.0005) Chloroform (Trichloromethane) ND (0.0005) UI ND (0.0005) ND (0.0005) ND (0.0005) ND (0.0005) ND (0.0005) U ND (0.0005) ND (0.0005) U ND (0.0005) Chloromethane (Methyl chloride) ND (0.0005) cis-1 2-Dichloroethen ND (0.0005) 0.00097 0.00085 ND (0.0005) cis-1,3-Dichloropropene ND (0.0005) ND (0.0005 ND (0.0005) UI ND (0.0005) Cymene (p-Isopropyltoluene) ND (0.002) Dibromochloromethane ND (0.0005) Dibromomethane ND (0.0005) Dichlorodifluoromethane (CFC-12) ND (0.0005) UJ ND (0.0005) U ND (0.0005) ND (0.0005 ND (0.0005 ND (0.0005) ND (0.0005 ND (0.0005 ND (0.0005 ND (0.0005) ND (0.0005) ND (0.0005) ND (0.0005) ND (0.0005 ND (0.0005) ND (0.0005 ND (0.0005) ND (0.0005 ND (0.0005) ND (0.0005 Hexachlorobutadien ND (0.002) ND (0.002 ND (0.002) ND (0.002) ND (0.002) ND (0.002) ND (0.002) Isopropyl benzene ND (0.002) ND (0.002) ND (0.002) ND (0.002 ND (0.002) ND (0.002) ND (0.002) ND (0.002) ND (0.002 ND (0.002) ND (0.002) ND (0.002) ND (0.002 ND (0.002) ND (0.002) ND (0.002) ND (0.002) ND (0.0005) ND (0.0005 ND (0.0005) m&p-Xylene Methyl tert butyl ether (MTBE) Methylene chloride ND (0.002) ND (0.002) ND (0.002) ND (0.002) ND (0.002) ND (0.002 ND (0.002) ND (0.002 ND (0.002) ND (0.002) ND (0.002) ND (0.002) Naphthalene ND (0.002) ND (0.002) ND (0.002) ND (0.002) ND (0.002) U ND (0.002) U ND (0.002) ND (0.002 ND (0.002) ND (0.002) ND (0.002) ND (0.002) ND (0.002) N-Butvlbenzene ND (0.002) ND (0.002 ND (0.002) ND (0.002) ND (0.002) ND (0.002) N-Propylbenzene ND (0.002) o-Xylene ND (0.0005) ND (0.0005 ND (0.0005) ND (0.0005 ND (0.0005) Styrene tert-Butylbenzene ND (0.002) Tetrachloroethene 0.0026 0.003 0.0031 0.0022 0.0013 0.0012 0.0015 0.0008 0.00096 ND (0.0005) 0.00013.1 0.0002 I 0.00028.1 0.0012 0.001 0.0015 0.0014 0.00043.1 ND (0.0005) ND (0.0005) ND (0.0005) ND (0.0005) L ND (0.0005) I ND (0.0005) U 0.00077 ND (0.0005) ND (0.0005) L ND (0.0005) ND (0.0005) ND (0.0005) ND (0.0005) IJ ND (0.0005) 0.000161 ND (0.0005) L ND (0.0005) LI ND (0.0005) Toluene trans-1.2-Dichloroethene ND (0.0005) ND (0.0005 ND (0.0005) ND (0.0005) U ND (0.0005) trans-1,3-Dichloropropene ND (0.0005 ND (0.0005) 0.053^{al} Trichloroethene 0.0026 0.00072 0.001 0.0007 0.00074 0.001 0.0031 0.0052a 0.0047 0.014^{al} 0.034 0.048 0.059° 0.038^{a} 0.0012 0.0011 0.00032 I Trichlorofluoromethane (CFC-11) ND (0.0005) ND (0.0005 ND (0.0005) ND (0.0005) ND (0.0005) UJ ND (0.0005) ND (0.0005) ND (0.0005 ND (0.0005) ND (0.000 ND (0.0005 ND (0.000 ND (0.0005 ND (0.0005 ND (0.0005 ND (0.0005) ND (0.0005) ND (0.0005) ND (0.0005) Vinyl chloride ND (0.0005) ND (0.0005)

Xvlene (total)

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Sample Location:	OB-11	OB-11	OB-11	OB-11	OB-11	OB-11	OB-11	OB-11	OB-11	OB-11	OB-11	OB-11	OB-11	OB-11	OB-12	OB-12	OB-12	OB-12
Sample ID:	GW-080405-TP-058							GW-012808-NH-045		GW-092508-JP-057	,	,	GW-071009-TP-118	,	GW-102703-MG-046			
Sample Date: Sample Type:	8/4/2005	11/11/2005	2/16/2006	2/16/2006 (Duplicate)	4/28/2006	4/12/2007	11/6/2007	1/28/2008	4/15/2008	9/25/2008	12/16/2008	4/8/2009	7/10/2009	11/5/2009	10/27/2003	12/13/2004	8/8/2005	11/10/2005
Parameters				(= 14)														
Volatile Organic Compounds (mg/L)																		
1,1,1,2-Tetrachloroethane	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,1,1-Trichloroethane	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,1,2,2-Tetrachloroethane	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,1,2-Trichloroethane 1,1-Dichloroethane	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) UJ ND (0.0005) UJ	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)
1,1-Dichloroethene	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,1-Dichloropropene	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,2,3-Trichlorobenzene	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002) UJ	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002) UJ	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002) UJ	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
1,2,3-Trichloropropane	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,2,4-Trichlorobenzene 1,2,4-Trimethylbenzene	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) UJ ND (0.002) UJ	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) UJ ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)
1,2-Dibromo-3-chloropropane (DBCP)	ND (0.002)	ND (0.002)	ND (0.002) UJ	ND (0.002) UJ	ND (0.002) UJ	ND (0.002) UJ	ND (0.002)	ND (0.002)	R	ND (0.002) UJ	ND (0.002)	ND (0.002) UJ	R	ND (0.002) UJ	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
1,2-Dibromoethane (Ethylene dibromide)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002) UJ	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
1,2-Dichlorobenzene	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,2-Dichloroethane 1,2-Dichloropropane	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) UJ ND (0.0005) UJ	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) UJ ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)
1,3,5-Trimethylbenzene	ND (0.003)	ND (0.002)	ND (0.003)	ND (0.003)	ND (0.0003) UJ	ND (0.003)	ND (0.003)	ND (0.003)	ND (0.003)	ND (0.0003)	ND (0.003)	ND (0.0003)	ND (0.0003)	ND (0.003)	ND (0.003)	ND (0.003)	ND (0.0003)	ND (0.0003)
1,3-Dichlorobenzene	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,3-Dichloropropane	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,4-Dichlorobenzene 2,2-Dichloropropane	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) UJ ND (0.0005) UJ	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005) UJ	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)
2-Butanone (Methyl ethyl ketone) (MEK)	ND (0.003) ND (0.02) UJ	ND (0.0003)	ND (0.003)	ND (0.003) ND (0.02) UJ	ND (0.003) UJ	ND (0.003)	ND (0.003)	ND (0.003)	R (0.0003)	R (0.0005)	R (0.0003)	R (0.0003)	R (0.0003)	R (0.0005) C)	ND (0.003)	ND (0.003)	ND (0.0003)	ND (0.0003)
2-Chlorotoluene	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002) UJ	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
2-Hexanone	ND (0.02) UJ	ND (0.02)	ND (0.02)	ND (0.02)	R	ND (0.02) UJ	R	ND (0.02)	R	R	ND (0.02)	ND (0.02) UJ	ND (0.02) UJ	ND (0.02) UJ				
2-Phenylbutane (sec-Butylbenzene)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002) UJ	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
4-Chlorotoluene 4-Methyl-2-pentanone	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002) UJ	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
(Methyl isobutyl ketone) (MIBK)	ND (0.02)	ND (0.02) UJ	ND (0.02) UJ	ND (0.02) UJ	ND (0.02) UJ	ND (0.02)	ND (0.02)	ND (0.02)	R	R	R	ND (0.02)	R	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02) UJ
Acetone	ND (0.02) UJ	ND (0.02)	ND (0.02)	ND (0.02)	R	R	R	R	0.0038 J	R	ND (0.02)	ND (0.02) UJ	ND (0.02) UJ	ND (0.02) UJ				
Benzene	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) U	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Bromobenzene Bromodichloromethane	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) UJ ND (0.0005) UJ	ND (0.002) 0.00014 J	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)
Bromoform	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ	ND (0.0005) UJ	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Bromomethane (Methyl bromide)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)
Carbon disulfide	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	0.00012 J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Carbon tetrachloride	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Chlorobenzene Chlorobromomethane	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) UJ ND (0.0005) UJ	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)
Chloroethane	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Chloroform (Trichloromethane)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Chloromethane (Methyl chloride)	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	0.00009 J	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ
cis-1,2-Dichloroethene	ND (0.0005)	ND (0.0005)	0.00062	0.00061	ND (0.0005) UJ	0.013	ND (0.0005)	0.002	0.00015 J	0.00009 J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	0.0018	0.0016	0.001	0.0014
cis-1,3-Dichloropropene Cymene (p-Isopropyltoluene)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) UJ ND (0.002) UJ	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) UJ ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)
Dibromochloromethane	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002) UJ	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
Dibromomethane	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Dichlorodifluoromethane (CFC-12)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Ethylbenzene Hexachlorobutadiene	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) UJ ND (0.002) UJ	ND (0.0005) ND (0.002) UJ	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)
Isopropyl benzene	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) UJ	ND (0.002) UJ ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002)	ND (0.002) ND (0.002)	ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002)	ND (0.002) ND (0.002)
m&p-Xylene	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Methyl tert butyl ether (MTBE)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	=	-	-	-
Methylene chloride	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002) UJ	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
Naphthalene N-Butylbenzene	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) UJ ND (0.002) UJ	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) UJ ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) U ND (0.002)	ND (0.002) UJ ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)
N-Propylbenzene	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) UJ	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002)	ND (0.002) ND (0.002)	ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002)	ND (0.002) ND (0.002)
o-Xylene	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Styrene	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
tert-Butylbenzene	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002) UJ	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
Tetrachloroethene	0.00023 J	0.0002 J	0.00094 NID (0.0005)	0.00082	0.0004 J	0.013 ^a	ND (0.0005)	0.0029	0.00043 J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	0.0002 J	0.074 ^{ab}	0.075 ^{ab}	0.035 ^a	0.057 ^{ab}
Toluene trans-1,2-Dichloroethene	ND (0.0005) ND (0.0005)	0.00019 J ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	0.00011 J ND (0.0005) UJ	ND (0.0005) 0.0004 J	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) U ND (0.0005)	ND (0.0005) ND (0.0005)	0.00006 J ND (0.0005)	ND (0.0005) U ND (0.0005)	ND (0.0005) ND (0.0005)	0.0004 J ND (0.0005)	ND (0.0005) U ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) U ND (0.0005)	ND (0.0005) U ND (0.0005)
trans-1,3-Dichloropropene	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Trichloroethene	ND (0.0005)	0.00023 J	0.00065	0.00064	0.00069 J	0.017 ^{ab}	ND (0.0005)	0.0021	0.00072	0.00014 J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	0.19 ^{ab}	0.088ab	0.052 J ^{ab}	0.098ab
Trichlorofluoromethane (CFC-11)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Vinyl chloride																		A TEN (0.000 E)
Xylene (total)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)

TABLE 5.3

Sample Location:	OB-12	OB-12	OB-13	OB-13	OB-13	OB-13	OB-13	OB-13	OB-14	OB-14	OB-14	OB-14	OB-14	OB-14	OB-14	OB-14	OB-14	OB-14
Sample ID:		GW-042706-NRS-022	GW-102703-MG-047				GW-021606-MG-060			GW-120704-MG-037	GW-072505-TP-004	GW-111605-MG-061	GW-021706-MG-066	GW-042706-NRS-023	GW-041107-NH-007	GW-110707-NH-040		GW-041108-JP-022
Sample Date: Sample Type:	2/15/2006	4/27/2006	10/27/2003	12/13/2004	8/4/2005	11/11/2005	2/16/2006	4/25/2006	10/27/2003	12/7/2004	7/25/2005	11/16/2005	2/17/2006	4/27/2006	4/11/2007	11/7/2007	1/25/2008	4/11/2008
Parameters																		
Volatile Organic Compounds (mg/L) 1,1,1,2-Tetrachloroethane	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,1,1-Trichloroethane	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,1,2,2-Tetrachloroethane	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,1,2-Trichloroethane	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,1-Dichloroethane 1,1-Dichloroethene	ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,1-Dichloropene	ND (0.0005) ND (0.0005)	ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)
1,2,3-Trichlorobenzene	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
1,2,3-Trichloropropane	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,2,4-Trichlorobenzene	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
1,2,4-Trimethylbenzene 1,2-Dibromo-3-chloropropane (DBCP)	ND (0.002) ND (0.002) UJ	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002) UJ	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) R
1,2-Dibromoethane (Ethylene dibromide)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
1,2-Dichlorobenzene	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,2-Dichloroethane	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,2-Dichloropropane 1,3,5-Trimethylbenzene	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)
1,3-Dichlorobenzene	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002)	ND (0.002) ND (0.0005)	ND (0.002)	ND (0.002)	ND (0.002) ND (0.0005)	ND (0.002)	ND (0.002)	ND (0.002) ND (0.0005)	ND (0.002)	ND (0.002)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002)	ND (0.002)
1,3-Dichloropropane	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,4-Dichlorobenzene	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
2,2-Dichloropropane 2-Butanone (Methyl ethyl ketone) (MEK)	ND (0.0005) UJ ND (0.02) UJ	ND (0.0005) ND (0.02) UJ	ND (0.0005) ND (0.02)	ND (0.0005) ND (0.02) UJ	ND (0.0005) ND (0.02) UJ	ND (0.0005) ND (0.02) UJ	ND (0.0005) UJ ND (0.02) UJ	ND (0.0005) ND (0.02) UJ	ND (0.0005) ND (0.02)	ND (0.0005) ND (0.02) UJ	ND (0.0005) ND (0.02) UJ	ND (0.0005) ND (0.02) UJ	ND (0.0005) ND (0.02) UJ	ND (0.0005) ND (0.02) UJ	ND (0.0005) ND (0.02)	ND (0.0005) ND (0.02)	ND (0.0005) ND (0.02)	ND (0.0005) R
2-Chlorotoluene	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.02) C)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.02)	ND (0.002)
2-Hexanone	ND (0.02) ÚJ	ND (0.02) ÚJ	ND (0.02)	ND (0.02) ÚJ	ND (0.02) ÚJ	ND (0.02) ÚJ	ND (0.02) ÚJ	ND (0.02) ÚJ	ND (0.02)	ND (0.02) ÚJ	ND (0.02) ÚJ	ND (0.02) ÚJ	ND (0.02) ÚJ	ND (0.02) ÚJ	ND (0.02)	ND (0.02)	ND (0.02)	R
2-Phenylbutane (sec-Butylbenzene)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
4-Chlorotoluene 4-Methyl-2-pentanone	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
(Methyl isobutyl ketone) (MIBK)	ND (0.02) UJ	ND (0.02) UJ	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02) UJ	ND (0.02) UJ	ND (0.02) UJ	ND (0.02)	ND (0.02)	ND (0.02) UJ	ND (0.02) UJ	ND (0.02)	ND (0.02) UJ	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)
Acetone	ND (0.02) UJ	ND (0.02) UJ	ND (0.02)	ND (0.02) UJ	ND (0.02) UJ	ND (0.02) UJ	ND (0.02) UJ	ND (0.02) UJ	ND (0.02)	ND (0.02) UJ	ND (0.02) UJ	ND (0.02) UJ	ND (0.02) UJ	ND (0.02) UJ	ND (0.02)	ND (0.02)	ND (0.02)	R
Benzene	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Bromobenzene	ND (0.002)	ND (0.002) ND (0.0005)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
Bromodichloromethane Bromoform	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005) UJ	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)
Bromomethane (Methyl bromide)	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ
Carbon disulfide	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Carbon tetrachloride	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Chlorobenzene Chlorobromomethane	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)
Chloroethane	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Chloroform (Trichloromethane)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Chloromethane (Methyl chloride)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	0.00017 J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
cis-1,2-Dichloroethene	0.0014	0.00086	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
cis-1,3-Dichloropropene Cymene (p-Isopropyltoluene)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) UJ ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) UJ ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)
Dibromochloromethane	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Dibromomethane	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Dichlorodifluoromethane (CFC-12) Ethylbenzene	ND (0.0005) ND (0.0005)	ND (0.0005) UJ ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) UJ ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) UJ ND (0.0005)	ND (0.0005) ND (0.0005)
Hexachlorobutadiene	ND (0.003)	ND (0.003)	ND (0.002)	ND (0.003)	ND (0.003)	ND (0.003)	ND (0.0003)	ND (0.002)	ND (0.003)	ND (0.002)	ND (0.002)	ND (0.003)	ND (0.0003)	ND (0.003)	ND (0.002)	ND (0.002)	ND (0.0003)	ND (0.003)
Isopropyl benzene	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
m&p-Xylene	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Methyl tert butyl ether (MTBE)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylene chloride Naphthalene	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002)	ND (0.002) 0.00049 J	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) U ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)
N-Butylbenzene	ND (0.002) ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002) ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
N-Propylbenzene	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
o-Xylene	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Styrene	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
tert-Butylbenzene Totrachloroothopo	ND (0.002) 0.07 ^{ab}	ND (0.002) 0.075 ^{ab}	ND (0.002) ND (0.0005)	ND (0.002) 0.00019 J	ND (0.002) 0.00035 J	ND (0.002) 0.00018 J	ND (0.002) 0.00018 J	ND (0.002) 0.00017 J	ND (0.002) 0.00012 J	ND (0.002) 0.0002 J	ND (0.002) 0.00013 J	ND (0.002) 0.00022 J	ND (0.002) 0.00013 J	ND (0.002) 0.00019 J	ND (0.002) 0.00018 J	ND (0.002) ND (0.0005)	ND (0.002) 0.00028 J	ND (0.002)
Tetrachloroethene Toluene	ND (0.0005)	0.00011 J	ND (0.0005) ND (0.0005)	ND (0.0005)	ND (0.0005) U	0.00018 J 0.00018 J	ND (0.0005)	0.00017 J 0.00014 J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) U	ND (0.0005)	0.00019 J 0.00012 J	ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005)	ND (0.0005) ND (0.0005)
trans-1,2-Dichloroethene	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
trans-1,3-Dichloropropene	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Trichloroethene	0.097 ^{ab}	0.088 ^{ab}	0.017 ^{ab}	0.0091 ^{ab}	0.0075 ^{ab}	0.006 ^a	0.0078 ^{ab}	0.0093 ^{ab}	0.014 ^{ab}	0.0052 ^a	0.0048	0.0044	0.005	0.0047	0.0036	0.0048	0.0058 ^a	0.0075 ^{ab}
Trichlorofluoromethane (CFC-11)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Vinyl chloride	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Xylene (total)	=	=	-	=	=	=	=	-	-	-	-	=	=	=	-	=	=	-

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SUMMARY OF PHASE IIB RFI GROUNDWATER VOC ANALYTICAL DATA - OVERBURDEN WELLS RADIO MATERIALS CORPORATION ATTICA. INDIANA

OB-14 OB-14 OB-14 OB-14 OB-15 OB-15 OB-15 OB-15 OB-15 Sample Location OB-14 OB-14 OB-15 OB-15 OB-15 OB-16 OB-16 OB-16 OB-16 Sample ID: GW-092508-IP-052 GW-120908-IP-052 GW-021506-MG-051 GW-02109-IP-052 GW-071009-IP-052 GW-071009-IP-052 GW-071009-IP-052 GW-071009-IP-070 GW-102203-MG-012 GW-10203-MG-012 GW-10203-MG-036 GW-080405-TP-057 GW-111005-MG-046 GW-080505-TP-060 GW-080505-TP-061 GW-111005-MG-051 GW-080505-TP-067 GW-111005-MG-080-MG-081 GW-111005-MG-081 GW-111 12/7/2004 12/9/2008 7/10/2009 11/10/2005 Sample Date: 9/25/2008 4/7/2009 7/10/2009 10/29/2009 10/22/2003 12/7/2004 8/5/2005 8/5/2005 2/15/2006 4/27/2006 10/21/2003 12/1/2004 8/4/2005 11/15/2005 Sample Type: (Duplicate (Duplicate (Duplicate) Parameters Volatile Organic Compounds (mg/L, 1,1,1,2-Tetrachloroethane ND (0.0005) ND (0.0005 ND (0.0005) ÚJ 1.1.1-Trichloroethan ND (0.0005) ND (0.0005) ND (0.0005) ND (0.0005) ND (0.0005) ND (0.0005 ND (0.0005 ND (0.0005) ND (0.0005) ND (0.0005) ND (0.0005) ND (0.0005) ND (0.0005 ND (0.0005 ND (0.0005) ND (0.0005) ND (0.0005) 1,1,2,2-Tetrachloroethar ND (0.0005) UJ ND (0.0005) ND (0.0005) ND (0.0005) ND (0.0005) ND (0.0005 ND (0.0005) ND (0.0005 ND (0.0005 ND (0.0005) 1.1.2-Trichloroethane ND (0.0005) ND (0.0005) ND (0.0005) ND (0.0005) ND (0.0005) ND (0.0005) ND (0.0005 ND (0.0005 ND (0.0005) 1.1-Dichloroethane ND (0.0005) 1.1-Dichloroethene ND (0.0005) ND (0.0005) ND (0.0005) ND (0.0005) ND (0.0005 ND (0.0005) ND (0.0005 ND (0.0005 ND (0.0005) 1,1-Dichloropropene ND (0.0005) ND (0.0005) ND (0.0005) ND (0.0005) ND (0.0005 ND (0.0005) ND (0.0005 ND (0.0005 ND (0.0005 ND (0.0005) ND (0.0005) ND (0.0005) ND (0.0005) ND (0.0005 ND (0.0005) ND (0.0005) ND (0.0005) ND (0.0005) 1,2,3-Trichlorobenzen ND (0.002) UJ ND (0.002) ND (0.002) UJ ND (0.002) ND (0.002) ND (0.002) ND (0.002) ND (0.002) U ND (0.002) ND (0.002) ND (0.002) ND (0.002) ND (0.002) ND (0.002) ND (0.002 ND (0.002) ND (0.002) ND (0.002) 1 2.3-Trichloropropar ND (0.0005) 1.2.4-Trichlorobenzene ND (0.002) 1.2.4-Trimethylbenzene ND (0.002) 1.2-Dibromo-3-chloropropane (DBCP) ND (0.002) UI ND (0.002) ND (0.002) ND (0.002) ND (0.002) ND (0.002) UI ND (0.002 ND (0.002) ND (0.002 ND (0.002) ND (0.002) ND (0.002) 1,2-Dibromoethane (Ethylene dibromide) ND (0.002) ND (0.002) ND (0.002) ND (0.002) ND (0.002) ND (0.002) ND (0.002 ND (0.002) ND (0.002) 1.2-Dichlorobenzene ND (0.0005 ND (0.0005) ND (0.0005 ND (0.0005) ND (0.0005 ND (0.0005) ND (0.0005 ND (0.0005 ND (0.0005 ND (0.0005) ND (0.0005) ND (0.0005) ND (0.0005) ND (0.0005 ND (0.0005) ND (0.0005 ND (0.0005 ND (0.0005 1.2-Dichloroethane ND (0.0005) ND (0.0005) ND (0.0005) ND (0.0005 ND (0.0005 ND (0.0005) ND (0.0005) ND (0.0005) ND (0.0005) ND (0.0005 ND (0.0005) 1,2-Dichloropropane ND (0.0005) 1.3.5-Trimethylbenzene ND (0.002) ND (0.002 NID (0.002) ND (0.002) ND (0.002) NID (0.002) 1.3-Dichlorobenzene ND (0.0005) UI ND (0.0005) UI ND (0.0005) ND (0.0005) ND (0.0005) 1,3-Dichloropropane ND (0.0005) 1.4-Dichlorobenzene ND (0.0005) 2,2-Dichloropropane ND (0.0005) U ND (0.0005 ND (0.0005 ND (0.0005) ND (0.0005) ND (0.0005) ND (0.0005) UI ND (0.0005 ND (0.0005) UI ND (0.0005 ND (0.0005) ND (0.0005) U 2-Butanone (Methyl ethyl ketone) (MEK) ND (0.02) U ND (0.02) U ND (0.02) UI ND (0.02) U ND (0.02) UI ND (0.02) U ND (0.02) U ND (0.02) U ND (0.02) ND (0.02) U ND (0.02) UI ND (0.02) UI ND (0.002) ND (0.002) ND (0.002) ND (0.002) ND (0.002) ND (0.002) 2-Chlorotoluene ND (0.002) ND (0.002) ND (0.002) ND (0.002) ND (0.002) ND (0.002 ND (0.002) ND (0.002 ND (0.002) ND (0.002) ND (0.002) ND (0.002) 2-Hexanone ND (0.02) ND (0.02) ND (0.02) ND (0.02) ND (0.02) ND (0.02) UI ND (0.02) UI ND (0.02) U ND (0.02) UI ND (0.02) U ND (0.02) U ND (0.02) UI ND (0.02) ND (0.02) U ND (0.02) UI ND (0.02) U 2-Phenylbutane (sec-Butylbenzene) ND (0.002) III ND (0.002) LII ND (0.002) ND (0.002) ND (0.002) 4-Chlorotoluene ND (0.002) 4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK) ND (0.02) U ND (0.02) U ND (0.02) U ND (0.02) ND (0.02) ND (0.02) ND (0.02) U ND (0.02) ND (0.02) U ND (0.02) UI ND (0.02) UJ ND (0.02) UI ND (0.02) UJ ND (0.02) UI ND (0.02) U ND (0.02) U ND (0.02) UI ND (0.02) U ND (0.02) UJ ND (0.02) U Acetone Benzene ND (0.0005) U ND (0.0005) ND (0.0005) ND (0.0005) ND (0.0005) ND (0.0005) U ND (0.0005 ND (0.0005 ND (0.0005 ND (0.0005) ND (0.0005) ND (0.0005) ND (0.0005) ND (0.0005 ND (0.0005) ND (0.0005) ND (0.0005) ND (0.0005 ND (0.002) Bromohenzen ND (0.002) ND (0.002 ND (0.002) ND (0.002) ND (0.002) ND (0.002) Bromodichloromethane ND (0.0005) Bromoform ND (0.0005) U ND (0.0005) ND (0.0005) ND (0.0005) ND (0.0005) ND (0.0005) U ND (0.0005) ND (0.0005) ND (0.0005) UI ND (0.0005) ND (0.0005) ND (0.0005) Bromomethane (Methyl bromide) ND (0.0005) ND (0.0005) ND (0.0005) UI ND (0.0005) ND (0.0005) ND (0.0005) ND (0.0005) ND (0.0005) ND (0.0005) UI ND (0.0005) ND (0.0005) ND (0.0005) ND (0.0005) ND (0.0005) ND (0.0005) UJ ND (0.0005) UI ND (0.0005) ND (0.0005) Carbon disulfide ND (0.0005) UJ ND (0.0005 ND (0.0005) UJ ND (0.0005) ND (0.0005) ND (0.0005) Carbon tetrachloride ND (0.0005) UI ND (0.0005) ND (0.0005) ND (0.0005) ND (0.0005) ND (0.0005) ND (0.0005) ND (0.0005 ND (0.0005) ND (0.0005) ND (0.0005) ND (0.0005) ND (0.0005) UI ND (0.0005 ND (0.0005) ND (0.0005) ND (0.0005) ND (0.0005) U Chlorobenzene ND (0.0005) ND (0.0005) ND (0.0005 ND (0.0005) ND (0.0005 ND (0.0005) ND (0.0005 ND (0.0005 ND (0.0005 ND (0.0005) ND (0.0005 Chlorobromomethan ND (0.0005) ND (0.0005) ND (0.0005) U ND (0.0005) ND (0.0005) ND (0.0005) ND (0.0005 ND (0.0005 ND (0.0005) Chloroethane ND (0.0005) Chloroform (Trichloromethane) ND (0.0005) U ND (0.0005) U ND (0.0005) Chloromethane (Methyl chloride) 0.00009 I 0.00009 I ND (0.0005) ND (0.0005) ND (0.0005) cis-1 2-Dichloroethen ND (0.0005) ND (0.0005) 0.00005 I ND (0.0005) cis-1,3-Dichloropropene ND (0.0005) ND (0.002) Cymene (p-Isopropyltoluene) Dibromochloromethane ND (0.0005) ND (0,0005) UI ND (0.0005) Dibromomethane ND (0.0005) Dichlorodifluoromethane (CFC-12) ND (0.0005) U ND (0.0005) UJ ND (0.0005) UJ ND (0.0005) ND (0.0005) ND (0.0005) ND (0.0005) ND (0.0005) ND (0.0005) UJ ND (0.0005) ND (0.0005) ND (0.0005) ND (0.0005 ND (0.0005) ND (0.0005 ND (0.0005) ND (0.0005) ND (0.0005) ND (0.0005) ND (0.0005 ND (0.0005 ND (0.0005) ND (0.0005 Hexachlorobutadien ND (0.002) ND (0.002 ND (0.002) ND (0.002 ND (0.002) ND (0.002) ND (0.002) ND (0.002) ND (0.002) Isopropyl benzene ND (0.002) ND (0.002 ND (0.002) ND (0.002) ND (0.002) ND (0.002 ND (0.002) ND (0.002) ND (0.002) ND (0.002) ND (0.0005) m&p-Xylene Methyl tert butyl ether (MTBE) Methylene chloride ND (0.002) ND (0.002 ND (0.002) ND (0.002 ND (0.002) ND (0.002) ND (0.002) ND (0.002) ND (0.002) UJ ND (0.002) UJ ND (0.002) U Naphthalene ND (0.002) UJ ND (0.002) ND (0.002 ND (0.002) ND (0.002 ND (0.002) ND (0.002) ND (0.002) N-Butvlbenzene ND (0.002) ND (0.002 ND (0.002) ND (0.002) ND (0.002) ND (0.002) N-Propylbenzene ND (0.002) o-Xylene ND (0.0005) Styrene tert-Butylbenzene ND (0.002) ND (0.002 ND (0.002) ND (0.002) ND (0.002) ND (0.002) ND (0.002) Tetrachloroethene NID (0.0005) ND (0.0005) ND (0.0005) NID (0.0005) NID (0.0005) NID (0.0005) ND (0.0005) 0.0002 I 0.00015 I 0.00021.1 0.000171 NID (0.0005) L 0.00021 I 0.00014 I NID (0.0005) NID (0.0005) 0.00017 I NID (0.0005) ND (0.0005) 0.00011 I 0.00021 I ND (0.0005) ND (0.0005) ND (0.0005) LI ND (0.0005) ND (0.0005 ND (0.0005) ND (0.0005) I ND (0.0005) I ND (0.0005) LI ND (0.0005) 0.00011 I ND (0.0005) LI ND (0.0005) ND (0.0005) ND (0.0005) Toluene trans-1.2-Dichloroethene ND (0.0005) ND (0.0005 ND (0.0005) ND (0.0005 ND (0.0005) ND (0.0005 ND (0.0005) ND (0.0005 ND (0.0005 ND (0.0005) ND (0.0005) ND (0.0005) UI ND (0.0005) trans-1,3-Dichloropropene ND (0.0005) ND (0.0005) ND (0.0005) ND (0.0005) ND (0.0005) ND (0.0005) Trichloroethene 0.0073al 0.00612 0.0061^a 0.0052° 0.0051a 0.0064a 0.0085 0.0057 0.0059a 0.0051a 0.0047 0.0042 0.0065a 0.0099 ND (0.0005) ND (0.0005) ND (0.0005) ND (0.0005)

Trichlorofluoromethane (CFC-11)

Vinyl chloride

Xvlene (total)

ND (0.0005) U

ND (0.0005)

ND (0.0005

ND (0.0005)

ND (0.0005)

ND (0.000)

ND (0.0005)

ND (0.0005

ND (0.0005)

ND (0.0005) U

ND (0.0005)

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ND (0.0005)

ND (0.0005)

ND (0.0005)

ND (0.0005

ND (0.0005)

ND (0.0005

ND (0.0005)

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Sample Location:	OB-16	OB-16	OB-16	OB-16	OB-16	OB-16	OB-16	OB-16	OB-16	OB-16	OB-16	OB-16	OB-16	OB-17	OB-17	OB-17	OB-17	OB-17
Sample ID:	GW-021006-MG-027	GW-042506-NRS-010	GW-041207-NH-008	GW-110607-NH-034	GW-012808-NH-041	GW-012808-NH-042	GW-041508-JP-038	GW-092608-JP-059	GW-121108-JP-048	GW-040209-JP-038	GW-071009-TP-116	GW-071009-TP-117	GW-110509-JP-054	GW-102103-MG-002	GW-120104-MG-004	GW-080405-TP-056	GW-111405-MG-045	GW-021006-MG-028
Sample Date: Sample Type:	2/10/2006	4/25/2006	4/12/2007	11/6/2007	1/28/2008	1/28/2008 (Duplicate)	4/15/2008	9/26/2008	12/11/2008	4/2/2009	7/10/2009	7/10/2009	11/5/2009	10/21/2003	12/1/2004	8/4/2005	11/14/2005	2/10/2006
Parameters						•												
Volatile Organic Compounds (mg/L) 1,1,1,2-Tetrachloroethane	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,1,1-Trichloroethane	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,1,2,2-Tetrachloroethane 1,1,2-Trichloroethane	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)
1,1-Dichloroethane	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,1-Dichloroethene	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,1-Dichloropropene 1,2,3-Trichlorobenzene	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002) UJ	ND (0.0005) ND (0.002) UJ	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)
1,2,3-Trichloropropane	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,2,4-Trichlorobenzene	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002) UJ	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
1,2,4-Trimethylbenzene 1,2-Dibromo-3-chloropropane (DBCP)	ND (0.002) ND (0.002) UJ	ND (0.002) ND (0.002)	ND (0.002) ND (0.002) UJ	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) R	ND (0.002) ND (0.002) UJ	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) R	ND (0.002) R	ND (0.002) ND (0.002) UJ	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002) UJ
1,2-Dibromoethane (Ethylene dibromide)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
1,2-Dichlorobenzene 1,2-Dichloroethane	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)
1,2-Dichloropropane	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,3,5-Trimethylbenzene	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
1,3-Dichlorobenzene 1,3-Dichloropropane	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) UJ ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)
1,4-Dichlorobenzene	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
2,2-Dichloropropane 2-Butanone (Methyl ethyl ketone) (MEK)	ND (0.0005) UJ ND (0.02) UJ	ND (0.0005) ND (0.02) UJ	ND (0.0005) ND (0.02) UJ	ND (0.0005) ND (0.02)	ND (0.0005) ND (0.02)	ND (0.0005) ND (0.02)	ND (0.0005) R	ND (0.0005) R	ND (0.0005) R	ND (0.0005) R	ND (0.0005) R	ND (0.0005)	ND (0.0005) UJ R	ND (0.0005) UJ ND (0.02)	ND (0.0005) ND (0.02) UJ	ND (0.0005) ND (0.02) UJ	ND (0.0005) UJ ND (0.02) UJ	ND (0.0005) UJ ND (0.02) UJ
2-Chlorotoluene	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
2-Hexanone	ND (0.02) UJ	ND (0.02) UJ	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	R	ND (0.02)	ND (0.02)	ND (0.02)	R	R	R	ND (0.02)	ND (0.02) UJ	ND (0.02) UJ	ND (0.02) UJ	ND (0.02) UJ
2-Phenylbutane (sec-Butylbenzene) 4-Chlorotoluene	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) U ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) UJ ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)
4-Methyl-2-pentanone	, ,	, ,	,	, ,	, ,	, ,	(,	` '		(****)	, ,	,	` '		, ,		` ,	
(Methyl isobutyl ketone) (MIBK) Acetone	ND (0.02) UJ ND (0.02) UJ	ND (0.02) UJ ND (0.02) UJ	ND (0.02) ND (0.02)	ND (0.02) ND (0.02)	ND (0.02) ND (0.02)	ND (0.02) ND (0.02)	R	ND (0.02)	ND (0.02) ND (0.02)	R R	R R	R	ND (0.02) R	ND (0.02) ND (0.02) UJ	ND (0.02) ND (0.02) UJ	ND (0.02) ND (0.02) UJ	ND (0.02) UJ ND (0.02) UJ	ND (0.02) UJ ND (0.02) UJ
Benzene	ND (0.0005)	ND (0.0005)	ND (0.005)	ND (0.0005)	ND (0.005)	ND (0.005)	ND (0.0005)	ND (0.0005)	ND (0.005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)				
Bromobenzene	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
Bromodichloromethane Bromoform	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	0.00013 J 0.00036 J	ND (0.0005) ND (0.0005) UJ	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005) UJ	ND (0.0005) ND (0.0005) UJ	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)				
Bromomethane (Methyl bromide)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)
Carbon disulfide Carbon tetrachloride	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) UJ ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) UJ ND (0.0005)	ND (0.0005) UJ ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005) UJ	ND (0.0005) ND (0.0005)
Chlorobenzene	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Chlorobromomethane	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Chloroethane Chloroform (Trichloromethane)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)
Chloromethane (Methyl chloride)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) U	ND (0.0005) U	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
cis-1,2-Dichloroethene	ND (0.0005)	0.009	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	0.00032 J	ND (0.0005)	ND (0.0005)	ND (0.0005)	0.00027 J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
cis-1,3-Dichloropropene Cymene (p-Isopropyltoluene)	ND (0.0005) UJ ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) UJ ND (0.002)
Dibromochloromethane	ND (0.0005)	ND (0.0005)	0.00025 J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)				
Dibromomethane Dichlorodifluoromethane (CFC-12)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005) UJ	ND (0.0005) ND (0.0005) UJ	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)
Ethylbenzene	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Hexachlorobutadiene	ND (0.002)	ND (0.002)	ND (0.002) UJ	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)				
Isopropyl benzene m&p-Xylene	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)
Methyl tert butyl ether (MTBE)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylene chloride	ND (0.002)	ND (0.002)	0.00026 J	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)				
Naphthalene N-Butylbenzene	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) U ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) UJ ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) UJ ND (0.002)	ND (0.002) ND (0.002)
N-Propylbenzene	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
o-Xylene	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Styrene tert-Butylbenzene	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)
Tetrachloroethene	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	0.00013 J	0.00014 J	0.00013 J	ND (0.0005)	0.0002 J	ND (0.0005) U	ND (0.0005)	ND (0.0005)	0.00024 J	0.01 ^a	0.0009	0.0018	0.00065	0.001
Toluene	ND (0.0005)	0.00013 J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) U	ND (0.0005) U	0.00013 J	ND (0.0005) U	ND (0.0005)	ND (0.0005)	ND (0.0005) U	ND (0.0005) U	ND (0.0005)	ND (0.0005)	ND (0.0005) U	ND (0.0005)
trans-1,2-Dichloroethene trans-1,3-Dichloropropene	ND (0.0005) ND (0.0005) UJ	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005) UJ	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005) UJ
Trichloroethene	ND (0.0005)	0.00021 J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	0.00054	ND (0.0005)	ND (0.0005)	ND (0.0005)	0.0002 J	ND (0.0005) U	ND (0.0005)	ND (0.0005) U	0.00021 J	ND (0.0005)
Trichlorofluoromethane (CFC-11)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Vinyl chloride	ND (0.0005)	0.00085	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Xylene (total)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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Sample Location:	OB-17	OB-18	OB-18	OB-18	OB-18	OB-18	OB-18	OB-18	OB-18	OB-18	OB-18	OB-18	OB-18	OB-18	OB-18	OB-18	OB-18	OB-18
Sample ID:	GW-042506-NRS-011	1 GW-102303-MG-013	GW-120704-MG-030	GW-072805-TP-012	GW-110805-MG-011	GW-020706-MG-014	GW-050306-NRS-061	GW-050306-NRS-062	GW-041207-NH-010	GW-103107-NH-009	GW-012208-NH-006	GW-040908-JP-008	GW-091808-JP-010	GW-091808-JP-011	GW-120208-JP-004	GW-040209-JP-037	GW-070909-TP-110	GW-110509-JP-050
Sample Date: Sample Type:	4/25/2006	10/23/2003	12/7/2004	7/28/2005	11/8/2005	2/7/2006	5/3/2006	5/3/2006 (Duplicate)	4/12/2007	10/31/2007	1/22/2008	4/9/2008	9/18/2008	9/18/2008 (Duplicate)	12/2/2008	4/2/2009	7/9/2009	11/5/2009
Parameters								•						•				
Volatile Organic Compounds (mg/L) 1,1,1,2-Tetrachloroethane	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,1,1-Trichloroethane	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,1,2,2-Tetrachloroethane	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,1,2-Trichloroethane 1,1-Dichloroethane	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)
1,1-Dichloroethene	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,1-Dichloropropene	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,2,3-Trichlorobenzene	ND (0.002)	ND (0.002) UJ	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002) UJ	ND (0.002)	ND (0.002)	ND (0.002)
1,2,3-Trichloropropane 1,2,4-Trichlorobenzene	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)
1,2,4-Trimethylbenzene	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
1,2-Dibromo-3-chloropropane (DBCP)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002) ÚJ	ND (0.002) UJ	ND (0.002)	ND (0.002)	ND (0.002) UJ	ND (0.002)	ND (0.002)	R	ND (0.002) UJ	ND (0.002) UJ	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
1,2-Dibromoethane (Ethylene dibromide)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
1,2-Dichlorobenzene 1,2-Dichloroethane	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005) UJ	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)
1,2-Dichloropropane	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,3,5-Trimethylbenzene	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
1,3-Dichlorobenzene	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,3-Dichloropropane 1,4-Dichlorobenzene	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)
2,2-Dichloropropane	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ
2-Butanone (Methyl ethyl ketone) (MEK)	ND (0.02) UJ	ND (0.02) UJ	ND (0.02) ÚJ	ND (0.02) ÚJ	ND (0.02) ÚJ	ND (0.02) UJ	ND (0.02) ÚJ	ND (0.02) ÚJ	ND (0.02) ÚJ	ND (0.02)	ND (0.02)	R	R	R	R	R	R	R
2-Chlorotoluene	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
2-Hexanone 2-Phenylbutane (sec-Butylbenzene)	ND (0.02) UJ ND (0.002)	ND (0.02) ND (0.002) UJ	ND (0.02) UJ ND (0.002)	ND (0.02) UJ ND (0.002)	ND (0.02) UJ ND (0.002)	ND (0.02) UJ ND (0.002)	ND (0.02) UJ ND (0.002)	ND (0.02) UJ ND (0.002)	ND (0.02) ND (0.002)	ND (0.02) ND (0.002)	ND (0.02) ND (0.002)	R ND (0.002)	ND (0.02) ND (0.002)	ND (0.02) ND (0.002)	ND (0.02) ND (0.002)	ND (0.02) ND (0.002) U	ND (0.02) ND (0.002)	R ND (0.002)
4-Chlorotoluene	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
4-Methyl-2-pentanone																		
(Methyl isobutyl ketone) (MIBK)	ND (0.02) UJ	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02) UJ	ND (0.02) UJ	ND (0.02) UJ	ND (0.02) UJ	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	R	R	R	ND (0.02)
Acetone Benzene	ND (0.02) UJ ND (0.0005)	ND (0.02) UJ ND (0.0005)	ND (0.02) UJ ND (0.0005)	ND (0.02) UJ ND (0.0005)	ND (0.02) UJ ND (0.0005)	ND (0.02) UJ ND (0.0005)	ND (0.02) UJ ND (0.0005)	ND (0.02) UJ ND (0.0005)	ND (0.02) ND (0.0005)	ND (0.02) ND (0.0005)	ND (0.02) ND (0.0005)	R ND (0.0005)	R ND (0.0005)	ND (0.0005)	R 0.00005 J	ND (0.0005)	R ND (0.0005)	R ND (0.0005)
Bromobenzene	ND (0.002)	ND (0.003)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.003)	ND (0.002)
Bromodichloromethane	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Bromoform	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005)	0.00063	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Bromomethane (Methyl bromide) Carbon disulfide	ND (0.0005) ND (0.0005)	ND (0.0005) UJ ND (0.0005) UJ	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) UJ ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005) UJ	ND (0.0005) ND (0.0005)	ND (0.0005) UJ ND (0.0005)
Carbon tetrachloride	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Chlorobenzene	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Chlorothoro	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) UJ ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)
Chloroethane Chloroform (Trichloromethane)	ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Chloromethane (Methyl chloride)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) U	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	0.0001 J	ND (0.0005)	ND (0.0005) U	ND (0.0005)
cis-1,2-Dichloroethene	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
cis-1,3-Dichloropropene	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Cymene (p-Isopropyltoluene) Dibromochloromethane	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) 0.00028 J	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)
Dibromomethane	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Dichlorodifluoromethane (CFC-12)	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) ÚJ	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Ethylbenzene	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Hexachlorobutadiene Isopropyl benzene	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) UJ ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)
m&p-Xylene	ND (0.0005)	ND (0.005)	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ	ND (0.002)	ND (0.005)	ND (0.005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Methyl tert butyl ether (MTBE)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylene chloride	ND (0.002)	ND (0.002)	0.0002 J	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	0.00026 J	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
Naphthalene	ND (0.002) ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002) ND (0.002)	ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002)	ND (0.002)	0.00014 J ND (0.002)	ND (0.002)	ND (0.002) UJ ND (0.002)	ND (0.002)	ND (0.002) U ND (0.002)	ND (0.002)
N-Butylbenzene N-Propylbenzene	ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002)	ND (0.002) ND (0.002)
o-Xylene	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Styrene	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
tert-Butylbenzene	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
Tetrachloroethene Toluene	0.0036 0.00013 J	0.00043 J ND (0.0005) U	0.00052 ND (0.0005)	ND (0.0005) U ND (0.0005) U	ND (0.0005) U 0.00014 J	0.00038 J ND (0.0005)	ND (0.0005) U ND (0.0005) U	ND (0.0005) U ND (0.0005) U	0.00032 J ND (0.0005)	0.00037 J ND (0.0005)	0.00055 ND (0.0005)	0.00047 J ND (0.0005)	0.00027 J ND (0.0005)	0.00026 J ND (0.0005)	0.00019 J 0.00006 J	ND (0.0005) U	0.00014 J ND (0.0005)	0.00016 J 0.00041 J
trans-1,2-Dichloroethene	ND (0.0005)	ND (0.0005) U	ND (0.0005) ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) U	ND (0.0005)	ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0014) U ND (0.0005)	ND (0.0005)	ND (0.0005)
trans-1,3-Dichloropropene	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Trichloroethene	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Trichlorofluoromethane (CFC-11)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Vinyl chloride	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Xylene (total)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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Sample Location:	OB-19	OB-19	OB-19	OB-19	OB-19	OB-19	OB-19	OB-19	OB-19	OB-19	OB-19	OB-19	OB-19	OB-19	OB-19	OB-19	OB-20	OB-20
Sample ID:	GW-102303-MG-014	GW-120604-MG-024	GW-072805-TP-013	GW-110905-MG-014	GW-020806-MG-016	GW-050406-NRS-07	5 GW-041607-NH-019	GW-103107-NH-010	GW-012208-NH-008	GW-040908-JP-010	GW-040908-JP-011	GW-091808-JP-009	GW-120208-JP-003	GW-040209-JP-036	GW-070909-TP-109	GW-110509-JP-052	GW-102303-MG-015	GW-120204-MG-014
Sample Date:	10/23/2003	12/6/2004	7/28/2005	11/9/2005	2/8/2006	5/4/2006	4/16/2007	10/31/2007	1/22/2008	4/9/2008	4/9/2008	9/18/2008	12/2/2008	4/2/2009	7/9/2009	11/5/2009	10/23/2003	12/2/2004
Sample Type:											(Duplicate)							
Parameters																		
Volatile Organic Compounds (mg/L)																		
1,1,1,2-Tetrachloroethane	ND (0.013) ND (0.013)	ND (0.005)	ND (0.01)	ND (0.005)	ND (0.0025) ND (0.0025) UJ	ND (0.0025)	ND (0.005)	ND (0.005) ND (0.005)	ND (0.0025)	ND (0.005)	ND (0.005)	ND (0.0025) ND (0.0025)	ND (0.0013)	ND (0.0005)	ND (0.001) ND (0.001)	ND (0.0005)	ND (0.0025) ND (0.0025)	ND (0.0025) ND (0.0025)
1,1,1-Trichloroethane 1,1,2,2-Tetrachloroethane	ND (0.013) ND (0.013)	ND (0.005) ND (0.005)	ND (0.01) ND (0.01)	ND (0.005) ND (0.005)	ND (0.0025) UJ ND (0.0025)	ND (0.0025) ND (0.0025)	ND (0.005) ND (0.005)	ND (0.005) ND (0.005)	ND (0.0025) ND (0.0025)	ND (0.005) ND (0.005)	ND (0.005) ND (0.005)	ND (0.0025)	ND (0.0013) ND (0.0013)	ND (0.0005) ND (0.0005)	ND (0.001) ND (0.001)	ND (0.0005) ND (0.0005)	ND (0.0025) ND (0.0025)	ND (0.0025) ND (0.0025)
1,1,2-Trichloroethane	ND (0.013)	ND (0.005)	ND (0.01)	ND (0.005)	ND (0.0025)	ND (0.0025)	ND (0.005)	ND (0.005)	ND (0.0025)	ND (0.005)	ND (0.005)	ND (0.0025)	ND (0.0013)	ND (0.0005)	ND (0.001)	ND (0.0005)	ND (0.0025)	ND (0.0025)
1,1-Dichloroethane	ND (0.013)	ND (0.005)	ND (0.01)	ND (0.005)	ND (0.0025)	ND (0.0025)	ND (0.005)	ND (0.005)	ND (0.0025)	ND (0.005)	ND (0.005)	ND (0.0025)	ND (0.0013)	ND (0.0005)	ND (0.001)	ND (0.0005)	ND (0.0025) UJ	ND (0.0025)
1,1-Dichloroethene	ND (0.013)	ND (0.005)	ND (0.01)	ND (0.005)	ND (0.0025)	ND (0.0025)	ND (0.005)	ND (0.005)	ND (0.0025)	ND (0.005)	ND (0.005)	ND (0.0025)	ND (0.0013)	ND (0.0005)	ND (0.001)	0.00011 J	ND (0.0025)	ND (0.0025)
1,1-Dichloropropene	ND (0.013)	ND (0.005)	ND (0.01)	ND (0.005)	ND (0.0025)	ND (0.0025)	ND (0.005)	ND (0.005)	ND (0.0025)	ND (0.005)	ND (0.005)	ND (0.0025)	ND (0.0013)	ND (0.0005)	ND (0.001)	ND (0.0005)	ND (0.0025)	ND (0.0025)
1,2,3-Trichlorobenzene	ND (0.05) ÚJ	ND (0.02)	ND (0.04)	ND (0.02)	ND (0.01)	ND (0.01)	ND (0.02)	ND (0.02)	ND (0.01)	ND (0.02)	ND (0.02)	ND (0.01)	ND (0.005)	ND (0.002)	ND (0.004)	ND (0.002)	ND (0.01) ÚJ	ND (0.01)
1,2,3-Trichloropropane	ND (0.013)	ND (0.005)	ND (0.01)	ND (0.005)	ND (0.0025)	ND (0.0025)	ND (0.005)	ND (0.005)	ND (0.0025)	ND (0.005)	ND (0.005)	ND (0.0025)	ND (0.0013)	ND (0.0005)	ND (0.001)	ND (0.0005)	ND (0.0025)	ND (0.0025)
1,2,4-Trichlorobenzene	ND (0.05)	ND (0.02)	ND (0.04)	ND (0.02)	ND (0.01)	ND (0.01)	ND (0.02)	ND (0.02)	ND (0.01)	ND (0.02)	ND (0.02)	ND (0.01)	ND (0.005)	ND (0.002)	ND (0.004)	ND (0.002)	ND (0.01)	ND (0.01)
1,2,4-Trimethylbenzene	ND (0.05)	ND (0.02)	ND (0.04)	ND (0.02)	ND (0.01)	ND (0.01)	ND (0.02)	ND (0.02)	ND (0.01)	ND (0.02)	ND (0.02)	ND (0.01)	ND (0.005)	ND (0.002)	ND (0.004)	ND (0.002)	ND (0.01)	ND (0.01)
1,2-Dibromo-3-chloropropane (DBCP)	ND (0.05) ND (0.05)	ND (0.02) ND (0.02)	ND (0.04) ND (0.04)	ND (0.02) ND (0.02) UJ	ND (0.01) UJ ND (0.01)	ND (0.01) ND (0.01)	ND (0.02) ND (0.02)	ND (0.02) ND (0.02)	ND (0.01) ND (0.01)	R ND (0.02)	R ND (0.02)	ND (0.01) UJ ND (0.01)	ND (0.005) UJ ND (0.005)	ND (0.002) ND (0.002)	ND (0.004) ND (0.004)	ND (0.002) ND (0.002)	ND (0.01) ND (0.01)	ND (0.01) ND (0.01)
1,2-Dibromoethane (Ethylene dibromide) 1,2-Dichlorobenzene	ND (0.03) ND (0.013)	ND (0.02) ND (0.005)	ND (0.04) ND (0.01)	ND (0.005)	ND (0.0025)	ND (0.01) ND (0.0025)	ND (0.02) ND (0.005)	ND (0.02) ND (0.005)	ND (0.0025)	ND (0.02) ND (0.005)	ND (0.02) ND (0.005)	ND (0.01) ND (0.0025)	ND (0.003) ND (0.0013)	ND (0.002) ND (0.0005)	ND (0.004) ND (0.001)	ND (0.002)	ND (0.01) ND (0.0025)	ND (0.01) ND (0.0025)
1,2-Dichloroethane	ND (0.013)	ND (0.005)	ND (0.01)	ND (0.005)	ND (0.0025) UJ	ND (0.0025)	ND (0.005)	ND (0.005)	ND (0.0025)	ND (0.005)	ND (0.005)	ND (0.0025)	ND (0.0013)	ND (0.0005)	ND (0.001)	ND (0.0005)	ND (0.0025)	ND (0.0025)
1,2-Dichloropropane	ND (0.013)	ND (0.005)	ND (0.01)	ND (0.005)	ND (0.0025)	ND (0.0025)	ND (0.005)	ND (0.005)	ND (0.0025)	ND (0.005)	ND (0.005)	ND (0.0025)	ND (0.0013)	ND (0.0005)	ND (0.001)	ND (0.0005)	ND (0.0025) UJ	ND (0.0025)
1,3,5-Trimethylbenzene	ND (0.05)	ND (0.02)	ND (0.04)	ND (0.02)	ND (0.01)	ND (0.01)	ND (0.02)	ND (0.02)	ND (0.01)	ND (0.02)	ND (0.02)	ND (0.01)	ND (0.005)	ND (0.002)	ND (0.004)	ND (0.002)	ND (0.01)	ND (0.01)
1,3-Dichlorobenzene	ND (0.013) UJ	ND (0.005)	ND (0.01)	ND (0.005)	ND (0.0025)	ND (0.0025)	ND (0.005)	ND (0.005)	ND (0.0025)	ND (0.005)	ND (0.005)	ND (0.0025)	ND (0.0013)	ND (0.0005)	ND (0.001)	ND (0.0005)	ND (0.0025) UJ	ND (0.0025)
1,3-Dichloropropane	ND (0.013)	ND (0.005)	ND (0.01)	ND (0.005)	ND (0.0025)	ND (0.0025)	ND (0.005)	ND (0.005)	ND (0.0025)	ND (0.005)	ND (0.005)	ND (0.0025)	ND (0.0013)	ND (0.0005)	ND (0.001)	ND (0.0005)	ND (0.0025)	ND (0.0025)
1,4-Dichlorobenzene	ND (0.013)	ND (0.005)	ND (0.01)	ND (0.005)	ND (0.0025)	ND (0.0025)	ND (0.005)	ND (0.005)	ND (0.0025)	ND (0.005)	ND (0.005)	ND (0.0025)	ND (0.0013)	ND (0.0005)	ND (0.001)	ND (0.0005)	ND (0.0025)	ND (0.0025)
2,2-Dichloropropane	ND (0.013) UJ	ND (0.005)	ND (0.01)	ND (0.005)	ND (0.0025) UJ	ND (0.0025)	ND (0.005)	ND (0.005)	ND (0.0025)	ND (0.005)	ND (0.005)	ND (0.0025)	ND (0.0013)	ND (0.0005)	ND (0.001)	ND (0.0005) UJ	ND (0.0025) UJ	ND (0.0025)
2-Butanone (Methyl ethyl ketone) (MEK) 2-Chlorotoluene	ND (0.5) UJ ND (0.05)	ND (0.2) UJ ND (0.02)	ND (0.4) UJ ND (0.04)	ND (0.2) UJ ND (0.02)	ND (0.1) UJ ND (0.01)	ND (0.1) UJ ND (0.01)	ND (0.2) ND (0.02)	ND (0.2) ND (0.02)	ND (0.1) ND (0.01)	R ND (0.02)	ND (0.02)	R ND (0.01)	R ND (0.005)	R ND (0.002)	R ND (0.004)	R ND (0.002)	ND (0.1) UJ ND (0.01)	ND (0.1) UJ ND (0.01)
2-Hexanone	ND (0.05)	ND (0.02)	ND (0.4) UJ	ND (0.02) ND (0.2) UJ	ND (0.01) ND (0.1) UJ	ND (0.1) UJ	ND (0.02)	ND (0.02)	ND (0.01)	R (0.02)	R (0.02)	ND (0.01)	R (0.003)	ND (0.02)	ND (0.04)	R (0.002)	ND (0.01) ND (0.1) UJ	ND (0.01) ND (0.1) UJ
2-Phenylbutane (sec-Butylbenzene)	ND (0.05) UJ	ND (0.02)	ND (0.04)	ND (0.02)	ND (0.01)	ND (0.01)	ND (0.02)	ND (0.02)	ND (0.01)	ND (0.02)	ND (0.02)	ND (0.01)	ND (0.005)	ND (0.002)	ND (0.004)	ND (0.002)	ND (0.01) UJ	ND (0.01)
4-Chlorotoluene	ND (0.05)	ND (0.02)	ND (0.04)	ND (0.02)	ND (0.01)	ND (0.01)	ND (0.02)	ND (0.02)	ND (0.01)	ND (0.02)	ND (0.02)	ND (0.01)	ND (0.005)	ND (0.002)	ND (0.004)	ND (0.002)	ND (0.01) UJ	ND (0.01)
4-Methyl-2-pentanone																		
(Methyl isobutyl ketone) (MIBK)	ND (0.5)	ND (0.2)	ND (0.4)	ND (0.2) UJ	ND (0.1) UJ	ND (0.1) UJ	ND (0.2)	ND (0.2)	ND (0.1)	ND (0.2)	ND (0.2)	ND (0.1)	R	R	R	ND (0.02)	ND (0.1) UJ	ND (0.1)
Acetone	ND (0.5) U	ND (0.2) UJ	ND (0.4) UJ	ND (0.2) UJ	ND (0.1) UJ	ND (0.1) UJ	ND (0.2)	ND (0.2)	ND (0.1)	R	R	R	R	R	R	R	ND (0.1) U	ND (0.1) UJ
Benzene	ND (0.013)	ND (0.005)	ND (0.01)	ND (0.005)	ND (0.0025)	ND (0.0025)	ND (0.005)	ND (0.005)	ND (0.0025)	ND (0.005)	ND (0.005)	ND (0.0025)	ND (0.0013)	ND (0.0005)	ND (0.001)	ND (0.0005)	ND (0.0025)	ND (0.0025)
Bromobenzene Bromodichloromethane	ND (0.05) ND (0.013)	ND (0.02) ND (0.005)	ND (0.04) ND (0.01)	ND (0.02) ND (0.005)	ND (0.01) ND (0.0025)	ND (0.01) ND (0.0025)	ND (0.02) ND (0.005)	ND (0.02) ND (0.005)	ND (0.01) ND (0.0025)	ND (0.02) ND (0.005)	ND (0.02) ND (0.005)	ND (0.01) ND (0.0025)	ND (0.005) ND (0.0013)	ND (0.002) ND (0.0005)	ND (0.004) ND (0.001)	ND (0.002) ND (0.0005)	ND (0.01) ND (0.0025)	ND (0.01) ND (0.0025)
Bromoform	ND (0.013) ND (0.013) UJ	ND (0.005) ND (0.005)	ND (0.01) ND (0.01)	ND (0.005)	ND (0.0025) ND (0.0025)	ND (0.0025)	ND (0.005)	ND (0.005)	ND (0.0025) ND (0.0025)	ND (0.005)	ND (0.005)	ND (0.0025) ND (0.0025) UJ	ND (0.0013)	ND (0.0005)	ND (0.001) ND (0.001)	ND (0.0005)	ND (0.0025) ND (0.0025) UJ	ND (0.0025) ND (0.0025)
Bromomethane (Methyl bromide)	ND (0.013) UJ	ND (0.005)	ND (0.01)	ND (0.005)	ND (0.0025)	ND (0.0025)	ND (0.005)	ND (0.005)	ND (0.0025)	ND (0.005) UJ	ND (0.005) UJ	ND (0.0025)	ND (0.0013)	ND (0.0005)	ND (0.001)	ND (0.0005) UJ	ND (0.0025) UJ	ND (0.0025)
Carbon disulfide	ND (0.013) UJ	ND (0.005)	ND (0.01)	ND (0.005)	ND (0.0025)	ND (0.0025)	ND (0.005)	ND (0.005)	ND (0.0025)	ND (0.005)	ND (0.005)	ND (0.0025)	ND (0.0013)	ND (0.0005) UJ	ND (0.001)	ND (0.0005)	ND (0.0025) UJ	ND (0.0025)
Carbon tetrachloride	ND (0.013)	ND (0.005)	ND (0.01)	ND (0.005)	ND (0.0025)	ND (0.0025)	ND (0.005)	ND (0.005)	ND (0.0025)	ND (0.005)	ND (0.005)	ND (0.0025)	ND (0.0013)	ND (0.0005)	ND (0.001)	ND (0.0005)	ND (0.0025)	ND (0.0025)
Chlorobenzene	ND (0.013)	ND (0.005)	ND (0.01)	ND (0.005)	ND (0.0025)	ND (0.0025)	ND (0.005)	ND (0.005)	ND (0.0025)	ND (0.005)	ND (0.005)	ND (0.0025)	ND (0.0013)	ND (0.0005)	ND (0.001)	ND (0.0005)	ND (0.0025)	ND (0.0025)
Chlorobromomethane	ND (0.013)	ND (0.005)	ND (0.01)	ND (0.005)	ND (0.0025)	ND (0.0025)	ND (0.005)	ND (0.005)	ND (0.0025)	ND (0.005)	ND (0.005)	ND (0.0025)	ND (0.0013)	ND (0.0005)	ND (0.001)	ND (0.0005)	ND (0.0025)	ND (0.0025)
Chloroethane	ND (0.013)	ND (0.005)	ND (0.01)	ND (0.005)	ND (0.0025)	ND (0.0025)	ND (0.005)	ND (0.005)	ND (0.0025)	ND (0.005)	ND (0.005)	ND (0.0025)	ND (0.0013)	ND (0.0005)	ND (0.001)	ND (0.0005)	ND (0.0025) UJ	ND (0.0025)
Chloroform (Trichloromethane)	ND (0.013) ND (0.013)	ND (0.005) ND (0.005)	ND (0.01) ND (0.01)	ND (0.005) ND (0.005) UJ	ND (0.0025) ND (0.0025)	ND (0.0025) ND (0.0025) UJ	ND (0.005) ND (0.005)	ND (0.005) ND (0.005)	ND (0.0025) ND (0.0025)	ND (0.005) ND (0.005)	ND (0.005) ND (0.005)	ND (0.0025)	ND (0.0013) ND (0.0013)	ND (0.0005) 0.00009 J	ND (0.001)	ND (0.0005) ND (0.0005)	ND (0.0025) ND (0.0025)	ND (0.0025) ND (0.0025)
Chloromethane (Methyl chloride) cis-1,2-Dichloroethene	0.14 ^a	0.14 ^a	0.26 ^a	0.2ª	0.11 ^a	0.2ª	0.13ª	0.1 ^a	0.25 ^a	0.11 ^a	0.1ª	ND (0.0025) 0.023	0.011	0.026	ND (0.001) U 0.052	0.024	0.11 ^a	0.12 ^a
cis-1,3-Dichloropropene	ND (0.013)	ND (0.005)	ND (0.01)	ND (0.005)	ND (0.0025) UJ	ND (0.0025)	ND (0.005)	ND (0.005)	ND (0.0025)	ND (0.005)	ND (0.005)	ND (0.0025)	ND (0.0013)	ND (0.0005)	ND (0.001)	ND (0.0005)	ND (0.0025) UJ	ND (0.0025)
Cymene (p-Isopropyltoluene)	ND (0.05)	ND (0.003)	ND (0.04)	ND (0.003)	ND (0.01)	ND (0.0023)	ND (0.02)	ND (0.003)	ND (0.0025)	ND (0.003)	ND (0.02)	ND (0.0025)	ND (0.0013)	ND (0.003)	ND (0.001)	ND (0.002)	ND (0.0023) C)	ND (0.0023)
Dibromochloromethane	ND (0.013)	ND (0.005)	ND (0.01)	ND (0.005)	ND (0.0025)	ND (0.0025)	ND (0.005)	ND (0.005)	ND (0.0025)	ND (0.005)	ND (0.005)	ND (0.0025)	ND (0.0013)	ND (0.0005)	ND (0.001)	ND (0.0005)	ND (0.0025)	ND (0.0025)
Dibromomethane	ND (0.013)	ND (0.005)	ND (0.01)	ND (0.005)	ND (0.0025)	ND (0.0025)	ND (0.005)	ND (0.005)	ND (0.0025)	ND (0.005)	ND (0.005)	ND (0.0025)	ND (0.0013)	ND (0.0005)	ND (0.001)	ND (0.0005)	ND (0.0025)	ND (0.0025)
Dichlorodifluoromethane (CFC-12)	ND (0.013) UJ	ND (0.005)	ND (0.01)	ND (0.005)	ND (0.0025)	ND (0.0025)	ND (0.005) UJ	ND (0.005)	ND (0.0025)	ND (0.005)	ND (0.005)	ND (0.0025) UJ	ND (0.0013) UJ	ND (0.0005)	ND (0.001)	ND (0.0005)	ND (0.0025) UJ	ND (0.0025)
Ethylbenzene	ND (0.013)	ND (0.005)	ND (0.01)	ND (0.005) UJ	ND (0.0025)	ND (0.0025)	ND (0.005)	ND (0.005)	ND (0.0025)	ND (0.005)	ND (0.005)	ND (0.0025)	ND (0.0013)	ND (0.0005)	ND (0.001)	ND (0.0005)	ND (0.0025)	ND (0.0025)
Hexachlorobutadiene	ND (0.05) ND (0.05)	ND (0.02) ND (0.02)	ND (0.04) ND (0.04)	ND (0.02)	ND (0.01) ND (0.01)	ND (0.01) UJ ND (0.01)	ND (0.02) ND (0.02)	ND (0.02) ND (0.02)	ND (0.01) ND (0.01)	ND (0.02) ND (0.02)	ND (0.02) ND (0.02)	ND (0.01) ND (0.01)	ND (0.005) ND (0.005)	ND (0.002) ND (0.002)	ND (0.004) ND (0.004)	ND (0.002) ND (0.002)	ND (0.01) ND (0.01)	ND (0.01) ND (0.01)
Isopropyl benzene m&p-Xylene	ND (0.05) ND (0.013)	ND (0.02) ND (0.005)	ND (0.04) ND (0.01)	ND (0.02) ND (0.005)	ND (0.001) ND (0.0025)	ND (0.01) ND (0.0025)	ND (0.02) ND (0.005)	ND (0.02) ND (0.005)	ND (0.01) ND (0.0025)	ND (0.02) ND (0.005)	ND (0.02) ND (0.005)	ND (0.01) ND (0.0025)	ND (0.005) ND (0.0013)	ND (0.002) ND (0.0005)	ND (0.004) ND (0.001)	ND (0.002) ND (0.0005)	ND (0.001) ND (0.0025)	ND (0.01) ND (0.0025)
Methyl tert butyl ether (MTBE)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylene chloride	ND (0.05)	ND (0.02)	ND (0.04)	0.0021 J	0.0012 J	ND (0.01)	0.0038 J	ND (0.02)	ND (0.01)	ND (0.02)	ND (0.02)	ND (0.01)	ND (0.005)	ND (0.002)	ND (0.004)	ND (0.002)	0.005	ND (0.01)
Naphthalene	ND (0.05)	ND (0.02)	ND (0.04)	ND (0.02)	ND (0.01)	ND (0.01)	ND (0.02)	ND (0.02)	ND (0.01)	ND (0.02)	ND (0.02)	ND (0.01)	ND (0.005) UJ	ND (0.002)	ND (0.004) U	ND (0.002)	ND (0.01)	ND (0.01)
N-Butylbenzene	ND (0.05)	ND (0.02)	ND (0.04)	ND (0.02)	ND (0.01)	ND (0.01)	ND (0.02)	ND (0.02)	ND (0.01)	ND (0.02)	ND (0.02)	ND (0.01)	ND (0.005)	ND (0.002)	ND (0.004)	ND (0.002)	ND (0.01)	ND (0.01)
N-Propylbenzene	ND (0.05)	ND (0.02)	ND (0.04)	ND (0.02)	ND (0.01)	ND (0.01)	ND (0.02)	ND (0.02)	ND (0.01)	ND (0.02)	ND (0.02)	ND (0.01)	ND (0.005)	ND (0.002)	ND (0.004)	ND (0.002)	ND (0.01)	ND (0.01)
o-Xylene	ND (0.013)	ND (0.005)	ND (0.01)	ND (0.005) UJ	ND (0.0025)	ND (0.0025)	ND (0.005)	ND (0.005)	ND (0.0025)	ND (0.005)	ND (0.005)	ND (0.0025)	ND (0.0013)	ND (0.0005)	ND (0.001)	ND (0.0005)	ND (0.0025)	ND (0.0025)
Styrene	ND (0.013)	ND (0.005)	ND (0.01)	ND (0.005)	ND (0.0025)	ND (0.0025)	ND (0.005)	ND (0.005)	ND (0.0025)	ND (0.005)	ND (0.005)	ND (0.0025)	ND (0.0013)	ND (0.0005)	ND (0.001)	ND (0.0005)	ND (0.0025)	ND (0.0025)
tert-Butylbenzene	ND (0.05)	ND (0.02)	ND (0.04)	ND (0.02)	ND (0.01)	ND (0.01)	ND (0.02)	ND (0.02)	ND (0.01)	ND (0.02)	ND (0.02)	ND (0.01)	ND (0.005)	ND (0.002)	ND (0.004)	ND (0.002)	ND (0.01)	ND (0.01)
Tetrachloroethene	5.3 ^{ab}	2.4 ^{ab}	2.5 ^{ab}	1.9 ^{ab}	1.6 ^{ab}	2.4 ^{ab}	2.6 ^{ab}	1.5 ^{ab}	1.7 ^{ab}	2.1 ^{ab}	2.1 ^{ab}	1 ^{ab}	0.65 ^{ab}	0.48 ^{ab}	0.42 ^{ab}	0.36 ^{ab}	1.1 ^{ab}	1 ^{ab}
Toluene	ND (0.013)	ND (0.005)	ND (0.01)	ND (0.005)	ND (0.0025)	ND (0.0025)	ND (0.005)	ND (0.005)	ND (0.0025)	ND (0.005)	ND (0.005)	ND (0.0025)	ND (0.0013)	ND (0.0005) U	ND (0.001)	ND (0.0005) U	ND (0.0025)	ND (0.0025)
trans-1,2-Dichloroethene trans-1,3-Dichloropropene	ND (0.013) ND (0.013)	ND (0.005) ND (0.005)	ND (0.01) ND (0.01)	0.0022 J ND (0.005)	0.0012 J ND (0.0025) UJ	0.002 J ND (0.0025)	ND (0.005) ND (0.005)	ND (0.005) ND (0.005)	0.0017 J ND (0.0025)	ND (0.005) ND (0.005)	ND (0.005) ND (0.005)	ND (0.0025) ND (0.0025)	ND (0.0013) ND (0.0013)	0.00015 J ND (0.0005)	0.00022 J ND (0.001)	0.0001 J ND (0.0005)	0.0021 ND (0.0025) UJ	0.0015 J ND (0.0025)
	1.9 ^{ab}	1.2 ^{ab}	1.7 ^{ab}	1.4 ^{ab}	0.94 ^{ab}	1.7 ^{ab}	1.1 ^{ab}	1 ^{ab}	1.4 ^{ab}	0.98 ^{ab}	0.98 ^{ab}	0.35 ^{ab}	0.11 ab	0.068ab	0.097 ^{ab}	0.057 ^{ab}	0.57 ^{ab}	0.39 ^{ab}
Trichloroethene Trichlorofluoromethane (CFC-11)		1	1		1	<u> </u>					1	1		l .		1		
Vinyl chloride	ND (0.013)	ND (0.005) ND (0.005)	ND (0.01)	ND (0.005)	ND (0.0025) ND (0.0025)	ND (0.0025) 0.00035 J	ND (0.005)	ND (0.005)	ND (0.0025)	ND (0.005)	ND (0.005)	ND (0.0025)	ND (0.0013)	ND (0.0005) 0.00009 J	ND (0.001) ND (0.001)	ND (0.0005)	ND (0.0025)	ND (0.0025)
Xylene (total)	ND (0.013)	ND (0.005)	ND (0.01)	ND (0.005)	ND (0.0025)	0.00035 J	ND (0.005)	ND (0.005)	ND (0.0025)	ND (0.005)	ND (0.005)	ND (0.0025)	ND (0.0013)	0.00009 J	ND (0.001)	ND (0.0005)	ND (0.0025)	ND (0.0025)
Ayrette (total)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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Sample Location:	OB-20	OB-20	OB-20	OB-20	OB-21	OB-21	OB-21	OB-21	OB-21	OB-21	OB-21	OB-22	OB-22	OB-22	OB-22	OB-22	OB-22	OB-22
Sample ID:		4 GW-110905-MG-013								GW-050406-NRS-073			GW-120604-MG-028			GW-110905-MG-016		
Sample Date:	7/28/2005	11/9/2005	2/7/2006	5/4/2006	10/23/2003	12/3/2004	7/27/2005	11/9/2005	2/8/2006	5/4/2006	5/4/2006	10/22/2003	12/6/2004	7/28/2005	7/28/2005 (Duplicate)	11/9/2005	11/9/2005 (Duplicate)	2/8/2006
Sample Type:											(Duplicate)				(Бирисите)		(Dupticute)	
Parameters																		
Volatile Organic Compounds (mg/L)																		
1,1,1,2-Tetrachloroethane	ND (0.0025)	ND (0.0025)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)					
1,1,1-Trichloroethane	ND (0.0025)	ND (0.0025)	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ					
1,1,2,2-Tetrachloroethane	ND (0.0025)	ND (0.0025)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)					
1,1,2-Trichloroethane 1,1-Dichloroethane	ND (0.0025)	ND (0.0025)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)					
1,1-Dichloroethane	ND (0.0025) ND (0.0025)	ND (0.0025) ND (0.0025)	ND (0.0005) 0.00056	ND (0.0005) 0.00016 J	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005)	ND (0.0005)
1,1-Dichloropropene	ND (0.0025) ND (0.0025)	ND (0.0025) ND (0.0025)	ND (0.0005)	ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)
1,2,3-Trichlorobenzene	ND (0.01)	ND (0.01)	ND (0.002)	ND (0.003)	ND (0.002) UJ	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002) UJ	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
1,2,3-Trichloropropane	ND (0.0025)	ND (0.0025)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)					
1,2,4-Trichlorobenzene	ND (0.01)	ND (0.01)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)					
1,2,4-Trimethylbenzene	ND (0.01)	ND (0.01)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002) UJ	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
1,2-Dibromo-3-chloropropane (DBCP) 1,2-Dibromoethane (Ethylene dibromide)	ND (0.01) ND (0.01)	ND (0.01) ND (0.01) UJ	ND (0.002) UJ ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002) UJ	ND (0.002) UJ ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002) UJ	ND (0.002) ND (0.002) UJ	ND (0.002) UJ ND (0.002)
1,2-Dichlorobenzene	ND (0.0025)	ND (0.0025)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.0005)	ND (0.002)	ND (0.002) C)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002) C)	ND (0.002) O)	ND (0.002)
1,2-Dichloroethane	ND (0.0025)	ND (0.0025)	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ					
1,2-Dichloropropane	ND (0.0025)	ND (0.0025)	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,3,5-Trimethylbenzene	ND (0.01)	ND (0.01)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)					
1,3-Dichlorobenzene 1,3-Dichloropropane	ND (0.0025) ND (0.0025)	ND (0.0025) ND (0.0025)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) UJ ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) UJ ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)
1,3-Dichloropropane 1,4-Dichlorobenzene	ND (0.0025) ND (0.0025)	ND (0.0025) ND (0.0025)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)					
2,2-Dichloropropane	ND (0.0025)	ND (0.0025)	ND (0.0005) UJ	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ
2-Butanone (Methyl ethyl ketone) (MEK)	ND (0.1) UJ	ND (0.1) UJ	ND (0.02) UJ	ND (0.02) UJ	ND (0.02) UJ	ND (0.02) UJ	ND (0.02)	ND (0.02) UJ	ND (0.02) UJ	ND (0.02) UJ	ND (0.02) UJ	ND (0.02) UJ	ND (0.02) UJ					
2-Chlorotoluene	ND (0.01)	ND (0.01)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)					
2-Hexanone	ND (0.1) UJ	ND (0.1) UJ	ND (0.02) UJ	ND (0.02) UJ	ND (0.02) UJ	ND (0.02) UJ	ND (0.02)	ND (0.02) UJ	ND (0.02) UJ	ND (0.02) UJ	ND (0.02) UJ	ND (0.02) UJ	ND (0.02) UJ					
2-Phenylbutane (sec-Butylbenzene) 4-Chlorotoluene	ND (0.01) ND (0.01)	ND (0.01) ND (0.01)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) UJ ND (0.002) UJ	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) UJ ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)
4-Methyl-2-pentanone	ND (0.01)	14D (0.01)	14D (0.002)	14D (0.002)	ND (0.002) C)	ND (0.002)	ND (0.002)	ND (0.002)	14D (0.002)	ND (0.002)	ND (0.002)	14D (0.002)	ND (0.002)	14D (0.002)	14D (0.002)	14D (0.002)	ND (0.002)	14D (0.002)
(Methyl isobutyl ketone) (MIBK)	ND (0.1)	ND (0.1) UJ	ND (0.02) UJ	ND (0.02) UJ	ND (0.02) UJ	ND (0.02)	ND (0.02)	ND (0.02) UJ	ND (0.02) UJ	ND (0.02) UJ	ND (0.02) UJ	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02) UJ	ND (0.02) UJ	ND (0.02) UJ
Acetone	ND (0.1) UJ	ND (0.1) UJ	ND (0.02) UJ	ND (0.02) UJ	ND (0.02) UJ	ND (0.02) UJ	ND (0.02) UJ	ND (0.02) UJ	ND (0.02) UJ	ND (0.02) UJ	ND (0.02) UJ	ND (0.02) UJ	ND (0.02) UJ					
Benzene	ND (0.0025)	ND (0.0025)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)					
Bromobenzene Bromodichloromethane	ND (0.01) ND (0.0025)	ND (0.01) ND (0.0025)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)					
Bromoform	ND (0.0025)	ND (0.0025)	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Bromomethane (Methyl bromide)	ND (0.0025)	ND (0.0025)	ND (0.0005) UJ	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Carbon disulfide	ND (0.0025)	ND (0.0025)	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Carbon tetrachloride	ND (0.0025)	ND (0.0025)	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)				
Chlorobenzene Chlorobromomethane	ND (0.0025) ND (0.0025)	ND (0.0025) ND (0.0025)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)					
Chloroethane	ND (0.0025)	ND (0.0025)	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Chloroform (Trichloromethane)	ND (0.0025)	ND (0.0025)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)					
Chloromethane (Methyl chloride)	ND (0.0025)	ND (0.0025) UJ	0.00015 J	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ	ND (0.0005) UJ	ND (0.0005)	ND (0.0005) UJ	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ	ND (0.0005) UJ	ND (0.0005)
cis-1,2-Dichloroethene	0.11 ^a	0.14ª	0.19 ^a	0.098a	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	0.00035 J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
cis-1,3-Dichloropropene	ND (0.0025)	ND (0.0025)	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ
Cymene (p-Isopropyltoluene)	ND (0.01)	ND (0.01)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002) UJ	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
Dibromochloromethane Dibromomethane	ND (0.0025) ND (0.0025)	ND (0.0025) ND (0.0025)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)					
Dichlorodifluoromethane (CFC-12)	ND (0.0025)	ND (0.0025)	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Ethylbenzene	ND (0.0025)	ND (0.0025) UJ	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ	ND (0.0005) UJ	ND (0.0005)				
Hexachlorobutadiene	ND (0.01)	ND (0.01)	ND (0.002)	ND (0.002) UJ	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002) UJ	ND (0.002) UJ	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
Isopropyl benzene	ND (0.01)	ND (0.01)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)					
m&p-Xylene Methyl tert butyl ether (MTBE)	ND (0.0025)	ND (0.0025)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)					
Methylene chloride	ND (0.01)	0.0011 J	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	0.00021 J	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)					
Naphthalene	ND (0.01)	ND (0.01)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)					
N-Butylbenzene	ND (0.01)	ND (0.01)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002) UJ	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
N-Propylbenzene	ND (0.01)	ND (0.01)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)					
o-Xylene	ND (0.0025)	ND (0.0025) UJ	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ	ND (0.0005) UJ	ND (0.0005)				
Styrene tort Butulbangana	ND (0.0025)	ND (0.0025)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)					
tert-Butylbenzene	ND (0.01)	ND (0.01) 0.83 ^{ab}	ND (0.002) 0.63 ^{ab}	ND (0.002) 0.42 ^{ab}	ND (0.002) 0.18 ^{ab}	ND (0.002) 0.11 ^{ab}	ND (0.002) 0.19 ^{ab}	ND (0.002) 0.068 ^{ab}	ND (0.002) 0.1 ^{ab}	ND (0.002) 0.21 ^{ab}	ND (0.002) 0.21 ^{ab}	ND (0.002) 0.073 ^{ab}	ND (0.002) 0.068 ^{ab}	ND (0.002) 0.067 ^{ab}	ND (0.002) 0.063 ^{ab}	ND (0.002) 0.06 ^{ab}	ND (0.002) 0.059 ^{ab}	ND (0.002) 0.053 ^a
Tetrachloroethene Toluene	ND (0.0025)	ND (0.0025)	ND (0.0005)	ND (0.0005)	ND (0.0005) U	ND (0.0005)	ND (0.0005) U	0.00021 J	ND (0.0005)	0.21 0.00032 J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) U	ND (0.0005) U	0.00017 J	0.00013 J	ND (0.0005)
trans-1,2-Dichloroethene	0.0035	0.0015 J	0.0016	0.0056	ND (0.0005)	ND (0.0005)	ND (0.0005) C	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
trans-1,3-Dichloropropene	ND (0.0025)	ND (0.0025)	ND (0.0005) UJ	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ
Trichloroethene	0.47 ^{ab}	0.39 ^{ab}	0.28 ^{ab}	0.19 ^{ab}	0.0071 a	0.0048	0.0079 ^{ab}	0.0046	0.0063 ^a	0.0096 ^{ab}	0.0098 ^{ab}	0.0042	0.0025	0.0041	0.0043	0.0024	0.0024	0.002
Trichlorofluoromethane (CFC-11)	ND (0.0025)	ND (0.0025)	ND (0.0005)	ND (0.0005)	0.00015 J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	0.00049 J	0.00032 J	0.00026 J	0.00028 J	0.00021 J	0.0002 J	ND (0.0005)
Vinyl chloride	ND (0.0025)	ND (0.0025)	0.00023 J	0.00007 J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Xylene (total)	-	=	-	-	=	=	-	=	=	-	-	=	=	-	=	-	-	=

TABLE 5.3
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Sample Location:			OB-22 GW-050406-NRS-072	OB-23 2 GW-102303-MG-018	OB-23	OB-23 GW-072805-TP-019	OB-23	OB-23	OB-23 GW-050406-NRS-071	OB-24	OB-24 GW-102303-MG-017	OB-24 GW-072805-TP-018	OB-25	OB-25 GW-120104-MG-002	OB-25	OB-25 GW-110905-MG-019	OB-25 GW-020806-MG-020	OB-25
Sample ID: Sample Date:			5/4/2006	10/23/2003	12/7/2004	7/28/2005	11/9/2005	2/8/2006	5/4/2006	8/26/2003	10/23/2003	7/28/2005	10/22/2003	12/1/2004	8/1/2005	11/9/2005	2/8/2006	5/4/2006
Sample Type:																		
Parameters	IDEM RISC Defar Residential a	ult Closure Levels Industrial b																
Volatile Organic Compounds (mg/L)	0.0000	0.11	NTD (0.000E)	0.00012 I	NTD (0.000E)	NTD (0.000E)	NID (0.000E)	NTD (0.000E)	NTD (0.000E)		NTD (0.000E)	NID (0.000E)	NTD (0.000E)	NTD (0.000E)	NTD (0.0005)	NID (0.000E)	NTD (0.000E)	NTD (0.000E)
1,1,1,2-Tetrachloroethane 1,1,1-Trichloroethane	0.0069 0.2	0.11 29	ND (0.0005) ND (0.0005)	0.00012 J ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005) UJ	ND (0.0005) ND (0.0005)	-	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005) UJ	ND (0.0005) ND (0.0005)					
1,1,2,2-Tetrachloroethane	0.0009	0.014	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	-	ND (0.0005)	ND (0.0005)	ND (0.0005)					
1,1,2-Trichloroethane	0.005	0.05	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	-	ND (0.0005)	ND (0.0005)	ND (0.0005)					
1,1-Dichloroethane	0.99	10	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	-	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005)				
1,1-Dichloroethene 1,1-Dichloropropene	0.007	5.1	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	-	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)					
1,2,3-Trichlorobenzene	*	*	ND (0.002)	ND (0.002) UJ	ND (0.002)	ND (0.003)	ND (0.003)	ND (0.002)	ND (0.002)	-	ND (0.002) UJ	ND (0.002)	ND (0.003) UJ	ND (0.003)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
1,2,3-Trichloropropane	*	*	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	-	ND (0.0005)	ND (0.0005)	ND (0.0005)					
1,2,4-Trichlorobenzene	0.07	1	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	-	ND (0.002)	ND (0.002)	ND (0.002)					
1,2,4-Trimethylbenzene 1,2-Dibromo-3-chloropropane (DBCP)	0.016	5.1	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002) UJ	ND (0.002) ND (0.002)	-	ND (0.002) ND (0.002)	ND (0.002) ND (0.002) UJ	ND (0.002) ND (0.002)					
1,2-Dibromoethane (Ethylene dibromide)	0.00005	0.0014	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002) UJ	ND (0.002) ND (0.002)	ND (0.002)	-	ND (0.002)	ND (0.002) ND (0.002)	ND (0.002)					
1,2-Dichlorobenzene	0.6	9.2	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	-	ND (0.0005)	ND (0.0005)	ND (0.0005)					
1,2-Dichloroethane	0.005	0.031	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)	-	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)					
1,2-Dichloropropane 1,3,5-Trimethylbenzene	0.005 0.016	0.042 5.1	ND (0.0005) ND (0.002)	ND (0.0005) UJ ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	-	ND (0.0005) UJ ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)
1,3-Dichlorobenzene	0.016	0.31	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005) UJ	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	-	ND (0.002) ND (0.0005) UJ	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005) UJ	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)
1,3-Dichloropropane	*	*	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	-	ND (0.0005)	ND (0.0005)	ND (0.0005)					
1,4-Dichlorobenzene	0.075	0.12	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	-	ND (0.0005)	ND (0.0005)	ND (0.0005)					
2,2-Dichloropropane	*	*	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)	-	ND (0.0005) UJ	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)
2-Butanone (Methyl ethyl ketone) (MEK) 2-Chlorotoluene	8.4	61 *	ND (0.02) UJ ND (0.002)	ND (0.02) UJ ND (0.002)	ND (0.02) UJ ND (0.002)	ND (0.02) UJ ND (0.002)	ND (0.02) UJ ND (0.002)	ND (0.02) UJ ND (0.002)	ND (0.02) UJ ND (0.002)	-	ND (0.02) UJ ND (0.002)	ND (0.02) UJ ND (0.002)	ND (0.02) ND (0.002)	ND (0.02) UJ ND (0.002)	ND (0.02) UJ ND (0.002)	ND (0.02) UJ ND (0.002)	ND (0.02) UJ ND (0.002)	ND (0.02) UJ ND (0.002)
2-Hexanone	*	*	ND (0.02) UJ	ND (0.02) UJ	ND (0.02) UJ	ND (0.02) UJ	ND (0.02) UJ	ND (0.02) UJ	ND (0.02) UJ	-	ND (0.02) UJ	ND (0.02) UJ	ND (0.02)	ND (0.02) UJ	ND (0.02) UJ	ND (0.02) UJ	ND (0.02) UJ	ND (0.02) UJ
2-Phenylbutane (sec-Butylbenzene)	*	*	ND (0.002)	ND (0.002) UJ	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	-	ND (0.002) UJ	ND (0.002)	ND (0.002) UJ	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
4-Chlorotoluene	*	*	ND (0.002)	ND (0.002) UJ	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	-	ND (0.002) UJ	ND (0.002)	ND (0.002)	ND (0.002)				
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	2.2	8.2	ND (0.02) UJ	ND (0.02) UJ	ND (0.02)	ND (0.02)	ND (0.02) UJ	ND (0.02) UJ	ND (0.02) UJ	-	ND (0.02) UJ	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02) UJ	ND (0.02) UJ	ND (0.02) UJ
Acetone	6.9	92	ND (0.02) UJ	ND (0.02) UJ	ND (0.02)	ND (0.02)	ND (0.02) UJ	ND (0.02) UJ	ND (0.02) UJ	-	ND (0.02) UJ	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02) UJ	ND (0.02) UJ	ND (0.02) UJ
Benzene	0.005	0.052	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.001)	ND (0.0005)	ND (0.0005)	ND (0.0005)					
Bromobenzene	*	*	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	-	ND (0.002)	ND (0.002)	ND (0.002)					
Bromodichloromethane Bromoform	0.08 0.08	0.08 0.36	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005) UJ	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	-	ND (0.0005) ND (0.0005) UJ	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005) UJ	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)
Bromomethane (Methyl bromide)	0.011	0.14	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	-	ND (0.0005) UJ	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005)
Carbon disulfide	1.3	10	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	-	ND (0.0005) UJ	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Carbon tetrachloride	0.005	0.022	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	-	ND (0.0005)	ND (0.0005)	ND (0.0005)					
Chlorobenzene Chlorobromomethane	0.1	2	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	-	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005)	ND (0.0005)
Chloroethane	0.062	0.99	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005) UJ	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005)	ND (0.0005)	-	ND (0.0005) ND (0.0005) UJ	ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)
Chloroform (Trichloromethane)	0.08	1	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	-	ND (0.0005)	ND (0.0005)	ND (0.0005)					
Chloromethane (Methyl chloride)	*	*	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ	0.00015 J	ND (0.0005) UJ	-	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)				
cis-1,2-Dichloroethene	0.07	1	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	0.0018	0.00024 J	ND (0.0005)	-	ND (0.0005)	ND (0.0005)	ND (0.0005)					
cis-1,3-Dichloropropene	*	*	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)	-	ND (0.0005) UJ	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)				
Cymene (p-Isopropyltoluene) Dibromochloromethane	*	*	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	-	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)					
Dibromomethane	*	*	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	-	ND (0.0005)	ND (0.0005)	ND (0.0005)					
Dichlorodifluoromethane (CFC-12)	*	*	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)		ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005)				
Ethylbenzene	0.7 0.011	10 0.031	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.001)	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)				
Hexachlorobutadiene Isopropyl benzene	0.011	10	ND (0.002) UJ ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) UJ ND (0.002)	-	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)					
m&p-Xylene	*	*	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	-	ND (0.0005)	ND (0.002)	ND (0.0005)	ND (0.0005)				
Methyl tert butyl ether (MTBE)	0.04	0.72	-	-	-	-	-	-	-	ND (0.005)	-	-	-	-	-	-	-	-
Methylene chloride	0.005	0.38	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	-	ND (0.002)	ND (0.002)	ND (0.002)					
Naphthalene N-Butylbenzene	0.0083	2	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	0.00035 J ND (0.002)	0.00037 J ND (0.002)	ND (0.002) ND (0.002)	-	ND (0.002) ND (0.002)	0.00033 J ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)
N-Propylbenzene	0.31	4.1	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	-	ND (0.002)	ND (0.002)	ND (0.002)					
o-Xylene	*	*	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	-	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)				
Styrene	0.1	20	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	-	ND (0.0005)	ND (0.0005)	ND (0.0005)					
tert-Butylbenzene			ND (0.002) 0.05 ^a	ND (0.002) 0.061 ^{ab}	ND (0.002) 0.065 ^{ab}	ND (0.002) 0.062 ^{ab}	ND (0.002) 0.051 ^a	ND (0.002) 0.039 ^a	ND (0.002) 0.042 ^a	- 1	ND (0.002) 0.037 ^a	ND (0.002) 0.025 ^a	ND (0.002) 0.018 ^a	ND (0.002) 0.017 ^a	ND (0.002) 0.014 ^a	ND (0.002) 0.015 ^a	ND (0.002) 0.02 ^a	ND (0.002) 0.022 ^a
Tetrachloroethene Toluene	0.005	0.055 8.2	0.00014 J	ND (0.0005) U	ND (0.0005)	ND (0.0005) U	0.0018 J	ND (0.0005)	0.0015 J	- ND (0.001)	ND (0.0005) U	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) U	0.00017 J	ND (0.0005)	ND (0.0005)
trans-1,2-Dichloroethene	0.1	2	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	- (0.001)	ND (0.0005)	ND (0.0005)	ND (0.0005)					
trans-1,3-Dichloropropene	*	*	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)	-	ND (0.0005) UJ	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)				
Trichloroethene	0.005	0.0072	0.0016	0.0036	0.0025	0.0034	0.0022	0.0018	0.0015	-	0.0037	0.0027	0.0063 ^a	0.0059 ^a	0.0058 ^a	0.0058 ^a	0.0069 ^a	0.0054 ^a
Trichlorofluoromethane (CFC-11)	*	*	0.00023 J	0.00031 J	0.00018 J	0.00014 J	0.00017 J	ND (0.0005)	0.00016 J	-	0.0017	0.00045 J	0.00082	0.00081	0.00078	0.0013	0.0015	0.0016
Vinyl chloride	0.002	0.004	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	- NID (0.002)	ND (0.0005)	ND (0.0005)	ND (0.0005)					
Xylene (total)	10	20	=	=	=	=	=	=	=	ND (0.002)	=	-	-	=	=	-	=	-

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Sample Location:			OB-25	OB-25	OB-25	OB-25	OB-25	OB-25	OB-25	OB-25	OB-25	OB-25	OB-26	OB-26	OB-26	OB-26	OB-26	OB-26
Sample ID:			GW-041007-NH-003 4/10/2007	GW-103107-NH-011 10/31/2007	GW-103107-NH-012 10/31/2007	GW-012308-NH-016 1/23/2008	GW-040908-JP-013 4/9/2008	GW-091708-JP-004 9/17/2008	GW-121108-JP-047 12/11/2008	GW-040209-JP-035 4/2/2009	GW-070809-TP-101 7/8/2009	GW-110509-JP-057 11/5/2009	GW-102103-MG-003 10/21/2003	GW-110703-MG-061 11/7/2003	GW-120304-MG-015 12/3/2004	GW-072705-TP-009 7/27/2005	GW-072705-TP-010 7/27/2005	GW-110805-MG-006 11/8/2005
Sample Date: Sample Type:			4/10/2007	10/31/2007	(Duplicate)	1/23/2008	4/9/2008	9/17/2008	12/11/2008	4/2/2009	7/8/2009	11/3/2009	10/21/2003	11///2005	12/3/2004	//2//2003	(Duplicate)	11/8/2003
	IDEM RISC Defa	ult Closure Levels			(= <i>n</i> p ,												(= 117 11 11 11 11 11 11 11 11 11 11 11 11	
Parameters	Residential	Industrial b																
Volatile Organic Compounds (mg/L)	и	b																
1,1,1,2-Tetrachloroethane	0.0069	0.11	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,1,1-Trichloroethane	0.2	29	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,1,2,2-Tetrachloroethane	0.0009	0.014	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,1,2-Trichloroethane 1,1-Dichloroethane	0.005 0.99	0.05 10	0.00049 J ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)
1,1-Dichloroethene	0.007	5.1	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,1-Dichloropropene	*	*	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,2,3-Trichlorobenzene	*	*	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002) ÚJ	ND (0.002) ÚJ	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
1,2,3-Trichloropropane	*	*	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,2,4-Trichlorobenzene	0.07	1	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002) UJ	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
1,2,4-Trimethylbenzene	0.016	5.1 *	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002) R	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002) UJ	ND (0.002)
1,2-Dibromo-3-chloropropane (DBCP) 1,2-Dibromoethane (Ethylene dibromide)	0.00005	0.0014	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002)	ND (0.002) UJ ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) UJ ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) UJ ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) UJ ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) UJ ND (0.002)
1,2-Dichlorobenzene	0.6	9.2	ND (0.0005)	ND (0.005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,2-Dichloroethane	0.005	0.031	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,2-Dichloropropane	0.005	0.042	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,3,5-Trimethylbenzene	0.016	5.1	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
1,3-Dichlorobenzene	0.08	0.31	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,3-Dichloropropane 1,4-Dichlorobenzene	0.075	0.12	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)
2,2-Dichloropropane	v.u/5 *	U.1∠ *	ND (0.0005)	ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005)	ND (0.0005) ND (0.0005) UJ	ND (0.0005) ND (0.0005) UJ	ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
2-Butanone (Methyl ethyl ketone) (MEK)	8.4	61	ND (0.003)	ND (0.003)	ND (0.003)	ND (0.0003) ND (0.02)	R (0.0003)	R (0.0003)	R (0.0003)	R (0.0003)	R (0.0003)	R (0.0003) (1)	ND (0.003) C) ND (0.02)	ND (0.003)	ND (0.003)	ND (0.0003)	ND (0.003)	ND (0.0005)
2-Chlorotoluene	*	*	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
2-Hexanone	*	*	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	R	ND (0.02)	ND (0.02)	ND (0.02)	R	R	ND (0.02)	ND (0.02) ÚJ	ND (0.02) ÚJ	ND (0.02) ÚJ	ND (0.02) ÚJ	ND (0.02) ÚJ
2-Phenylbutane (sec-Butylbenzene)	*	*	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002) U	ND (0.002)	ND (0.002)	ND (0.002) UJ	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
4-Chlorotoluene	*	*	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	2.2	8.2	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	R	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	NTD (0.02)	NID (0.02) I II
Acetone (With Retorie)	6.9	92	ND (0.02)	ND (0.02) ND (0.02)	ND (0.02) ND (0.02)	ND (0.02) ND (0.02)	ND (0.02) R	ND (0.02) R	ND (0.02)	R	ND (0.02) ND (0.02)	ND (0.02) R	ND (0.02) ND (0.02) UJ	ND (0.02) ND (0.02) UJ	ND (0.02) ND (0.02) UJ	ND (0.02) ND (0.02) UJ	ND (0.02) ND (0.02) UJ	ND (0.02) UJ ND (0.02) UJ
Benzene	0.005	0.052	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Bromobenzene	*	*	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
Bromodichloromethane	0.08	0.08	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Bromoform	0.08	0.36	0.0003 J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ
Bromomethane (Methyl bromide)	0.011	0.14	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)
Carbon disulfide Carbon tetrachloride	1.3 0.005	10 0.022	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) UJ ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) UJ ND (0.0005)	ND (0.0005) UJ	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005)	ND (0.0005) ND (0.0005)
Carbon tetrachioride Chlorobenzene	0.005	2	ND (0.0005)	ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005)
Chlorobromomethane	*	*	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ
Chloroethane	0.062	0.99	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Chloroform (Trichloromethane)	0.08	1	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Chloromethane (Methyl chloride)	*	*	ND (0.0005)	ND (0.00071) U	ND (0.0005) U	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) U	ND (0.0005)	ND (0.0005) U	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ	ND (0.0005) UJ	ND (0.0005)
cis-1,2-Dichloroethene	0.07	1	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	0.00008 J	0.00006 J	ND (0.0005)	0.00007 J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
cis-1,3-Dichloropropene	*	*	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Cymene (p-Isopropyltoluene)	*	*	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002) U	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002) UJ	ND (0.002)
Dibromochloromethane Dibromomethane	*	*	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)
Dichlorodifluoromethane (CFC-12)	*	*	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Ethylbenzene	0.7	10	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ
Hexachlorobutadiene	0.011	0.031	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
Isopropyl benzene	0.83	10	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
m&p-Xylene	*	*	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ
Methyl tert butyl ether (MTBE) Methylene chloride	0.04 0.005	0.72	NID (0.000) II	- NID (0.002)	NID (0.002)	- NID (0.002)	- NTD (0.002)	NID (0.000)	- ND (0.002)	- NID (0.002)	- NID (0.002)	- NID (0.002)	NID (0.002)	NID (0.002)	- NID (0.002)	- ND (0.002)	- NID (0.002)	NID (0.002)
Metnylene chioride Naphthalene	0.0083	0.38 2	ND (0.002) U ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) 0.00017 J	0.00011 J	ND (0.002) ND (0.002)	ND (0.002) ND (0.002) U	ND (0.002) 0.00014 J	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) 0.0004 J	ND (0.002) ND (0.002)
N-Butylbenzene	v.0063 *	*	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002) UJ	ND (0.002)
N-Propylbenzene	0.31	4.1	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002) U	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
o-Xylene	*	*	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ
Styrene	0.1	20	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
tert-Butylbenzene	*	*	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
Tetrachloroethene	0.005	0.055	0.011 ^a	0.012 ^a	0.012 ^a	0.017 ^a	0.013 ^a	0.011 ^a	0.012 ^a	0.016 ^a	0.014ª	0.012 ^a	0.028ª	0.02 ^a	0.023 ^a	0.015ª	0.019ª	0.019ª
Toluene	1	8.2	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) U	ND (0.0005)	ND (0.0005) U	ND (0.0005) U	0.00016 J	ND (0.0005)	ND (0.0005) U	ND (0.0005) U	0.00023 J
rans-1,2-Dichloroethene	0.1	2	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
rans-1,3-Dichloropropene	0.005		ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Trichloroethene Trichlorofluoromethane (CFC-11)	0.005	0.0072	0.0035 0.00089	0.0049 0.0011	0.0049 0.0011	0.0045 0.00092	0.0029 0.00056	0.0038 0.00036 J	0.0046 0.00073	0.0037 0.0011	0.003 0.00043 J	0.003 0.00055	0.0039 0.00092	0.0037 0.00062	0.0045 0.00048 J	0.0029 0.00064	0.0032 0.00078	0.004 0.00097
Vinyl chloride	0.002	0.004	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)

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SUMMARY OF PHASE IIB RFI GROUNDWATER VOC ANALYTICAL DATA - OVERBURDEN WELLS RADIO MATERIALS CORPORATION ATTICA, INDIANA

Sample Location:			OB-26	OB-26	OB-26	OB-27	OB-27	OB-27	OB-27	OB-27	OB-27	OB-27	OB-27	OB-27	OB-27	OB-27	OB-27	OB-27
Sample ID:			GW-020806-MG-018		GW-050406-NRS-068	GW-102403-MG-022		GW-072805-TP-015			GW-050306-NRS-063			GW-012308-NH-020		GW-091708-JP-006	GW-121008-JP-035	
Sample Date:			2/8/2006	2/8/2006	5/4/2006	10/24/2003	12/3/2004	7/28/2005	11/8/2005	2/7/2006	5/3/2006	4/10/2007	10/30/2007	1/23/2008	4/8/2008	9/17/2008	12/10/2008	4/2/2009
Sample Type:				(Duplicate)														
Devenuetoria	IDEM RISC Defai Residential	ult Closure Levels Industrial																
Parameters	Residential	inaustriai b																
Volatile Organic Compounds (mg/L)		Ü																
1,1,1,2-Tetrachloroethane	0.0069	0.11	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0025)	ND (0.0013)	ND (0.0025)	ND (0.001)	ND (0.0005)	ND (0.0005)	ND (0.001)	ND (0.001)	ND (0.0005)	ND (0.0005)	ND (0.001)	ND (0.0005)	ND (0.0005)
1,1,1-Trichloroethane	0.2	29	ND (0.0005) UJ	ND (0.0005) UJ	ND (0.0005)	ND (0.0025)	ND (0.0013)	ND (0.0025)	ND (0.001)	ND (0.0005)	ND (0.0005)	ND (0.001)	ND (0.001)	ND (0.0005)	ND (0.0005)	ND (0.001)	ND (0.0005)	ND (0.0005)
1,1,2,2-Tetrachloroethane	0.0009	0.014	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0025)	ND (0.0013)	ND (0.0025)	ND (0.001)	ND (0.0005)	ND (0.0005)	ND (0.001)	ND (0.001)	ND (0.0005)	ND (0.0005)	ND (0.001)	ND (0.0005)	ND (0.0005)
1,1,2-Trichloroethane 1,1-Dichloroethane	0.005 0.99	0.05 10	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0025) ND (0.0025) UJ	ND (0.0013) ND (0.0013)	ND (0.0025) ND (0.0025)	ND (0.001) ND (0.001)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.001) ND (0.001)	ND (0.001) ND (0.001)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.001) ND (0.001)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)
1,1-Dichloroethene	0.007	5.1	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0025)	ND (0.0013)	ND (0.0025)	ND (0.001)	0.00023 J	ND (0.0005)	ND (0.001)	ND (0.001)	ND (0.0005)	ND (0.0005)	ND (0.001)	0.00011 J	0.00011 J
1,1-Dichloropropene	*	*	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0025)	ND (0.0013)	ND (0.0025)	ND (0.001)	ND (0.0005)	ND (0.0005)	ND (0.001)	ND (0.001)	ND (0.0005)	ND (0.0005)	ND (0.001)	ND (0.0005)	ND (0.0005)
1,2,3-Trichlorobenzene	*	*	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.01) ÚJ	ND (0.005)	ND (0.01)	ND (0.004)	ND (0.002)	ND (0.002)	ND (0.004)	ND (0.004)	ND (0.002)	ND (0.002)	ND (0.004)	ND (0.002)	ND (0.002)
1,2,3-Trichloropropane	*	*	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0025)	ND (0.0013)	ND (0.0025)	ND (0.001)	ND (0.0005)	ND (0.0005)	ND (0.001)	ND (0.001)	ND (0.0005)	ND (0.0005)	ND (0.001)	ND (0.0005)	ND (0.0005)
1,2,4-Trichlorobenzene	0.07	1	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.01)	ND (0.005)	ND (0.01)	ND (0.004)	ND (0.002)	ND (0.002)	ND (0.004)	ND (0.004)	ND (0.002)	ND (0.002)	ND (0.004)	ND (0.002)	ND (0.002)
1,2,4-Trimethylbenzene 1,2-Dibromo-3-chloropropane (DBCP)	0.016	5.1 *	ND (0.002) ND (0.002) UJ	ND (0.002) ND (0.002) UJ	ND (0.002) ND (0.002)	ND (0.01) ND (0.01)	ND (0.005) ND (0.005)	ND (0.01) ND (0.01)	ND (0.004) ND (0.004) UJ	ND (0.002) ND (0.002) UJ	ND (0.002) ND (0.002)	ND (0.004) ND (0.004)	ND (0.004) ND (0.004)	ND (0.002) ND (0.002)	ND (0.002) R	ND (0.004) ND (0.004) UJ	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)
1,2-Dibromoethane (Ethylene dibromide)	0.00005	0.0014	ND (0.002) ND (0.002)	ND (0.002)	ND (0.002)	ND (0.01)	ND (0.005)	ND (0.01)	ND (0.004) C)	ND (0.002) ND (0.002)	ND (0.002)	ND (0.004)	ND (0.004)	ND (0.002)	ND (0.002)	ND (0.004) C)	ND (0.002)	ND (0.002)
1,2-Dichlorobenzene	0.6	9.2	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0025)	ND (0.0013)	ND (0.0025)	ND (0.001)	ND (0.0005)	ND (0.0005)	ND (0.001)	ND (0.001)	ND (0.0005)	ND (0.0005)	ND (0.001)	ND (0.0005)	ND (0.0005)
1,2-Dichloroethane	0.005	0.031	ND (0.0005) UJ	ND (0.0005) UJ	ND (0.0005)	ND (0.0025)	ND (0.0013)	ND (0.0025)	ND (0.001)	ND (0.0005)	ND (0.0005)	ND (0.001)	ND (0.001)	ND (0.0005)	ND (0.0005)	ND (0.001)	ND (0.0005)	ND (0.0005)
1,2-Dichloropropane	0.005	0.042	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0025)	ND (0.0013)	ND (0.0025)	ND (0.001)	ND (0.0005)	ND (0.0005)	ND (0.001)	ND (0.001)	ND (0.0005)	ND (0.0005)	ND (0.001)	ND (0.0005)	ND (0.0005)
1,3,5-Trimethylbenzene	0.016	5.1	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.01)	ND (0.005)	ND (0.01)	ND (0.004)	ND (0.002)	ND (0.002)	ND (0.004)	ND (0.004)	ND (0.002)	ND (0.002)	ND (0.004)	ND (0.002)	ND (0.002)
1,3-Dichlorobenzene 1,3-Dichloropropane	0.08	0.31	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0025) UJ ND (0.0025)	ND (0.0013) ND (0.0013)	ND (0.0025) ND (0.0025)	ND (0.001) ND (0.001)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.001) ND (0.001)	ND (0.001) ND (0.001)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.001) ND (0.001)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)
1,4-Dichlorobenzene	0.075	0.12	ND (0.0005) ND (0.0005)	ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0025)	ND (0.0013) ND (0.0013)	ND (0.0025) ND (0.0025)	ND (0.001)	ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.001) ND (0.001)	ND (0.001) ND (0.001)	ND (0.0005)	ND (0.0005)	ND (0.001) ND (0.001)	ND (0.0005)	ND (0.0005)
2,2-Dichloropropane	*	*	ND (0.0005) UJ	ND (0.0005) UJ	ND (0.0005)	ND (0.0025) UJ	ND (0.0013)	ND (0.0025)	ND (0.001)	ND (0.0005) UJ	ND (0.0005)	ND (0.001)	ND (0.001)	ND (0.0005)	ND (0.0005)	ND (0.001)	ND (0.0005)	ND (0.0005)
2-Butanone (Methyl ethyl ketone) (MEK)	8.4	61	ND (0.02) UJ	ND (0.02) UJ	ND (0.02) UJ	ND (0.1)	ND (0.05) UJ	ND (0.1) UJ	ND (0.04) UJ	ND (0.02) UJ	ND (0.02) UJ	ND (0.04)	ND (0.04)	ND (0.02)	R	R	R	R
2-Chlorotoluene	*	*	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.01)	ND (0.005)	ND (0.01)	ND (0.004)	ND (0.002)	ND (0.002)	ND (0.004)	ND (0.004)	ND (0.002)	ND (0.002)	ND (0.004)	ND (0.002)	ND (0.002)
2-Hexanone	*	*	ND (0.02) UJ	ND (0.02) UJ	ND (0.02) UJ	ND (0.1)	ND (0.05) UJ	ND (0.1) UJ	ND (0.04) UJ	ND (0.02) UJ	ND (0.02) UJ	ND (0.04)	ND (0.04)	ND (0.02)	R	ND (0.04)	ND (0.02)	ND (0.02)
2-Phenylbutane (sec-Butylbenzene)	*	*	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.01) UJ	ND (0.005)	ND (0.01)	ND (0.004)	ND (0.002)	ND (0.002)	ND (0.004)	ND (0.004)	ND (0.002)	ND (0.002)	ND (0.004)	ND (0.002)	ND (0.002)
4-Chlorotoluene 4-Methyl-2-pentanone			ND (0.002)	ND (0.002)	ND (0.002)	ND (0.01) UJ	ND (0.005)	ND (0.01)	ND (0.004)	ND (0.002)	ND (0.002)	ND (0.004)	ND (0.004)	ND (0.002)	ND (0.002)	ND (0.004)	ND (0.002)	ND (0.002)
(Methyl isobutyl ketone) (MIBK)	2.2	8.2	ND (0.02) UJ	ND (0.02) UJ	ND (0.02) UI	ND (0.1)	ND (0.05)	ND (0.1)	ND (0.04) UJ	ND (0.02) UJ	ND (0.02) UJ	ND (0.04)	ND (0.04)	ND (0.02)	ND (0.02)	ND (0.04)	ND (0.02)	R
Acetone	6.9	92	ND (0.02) UJ	ND (0.02) UJ	ND (0.02) UJ	ND (0.1) UJ	ND (0.05) UJ	ND (0.1) UJ	ND (0.04) UJ	ND (0.02) UJ	ND (0.02) UJ	ND (0.04)	ND (0.04)	ND (0.02)	R	R	ND (0.02)	R
Benzene	0.005	0.052	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0025)	ND (0.0013)	ND (0.0025)	ND (0.001)	ND (0.0005)	ND (0.0005)	ND (0.001)	ND (0.001)	ND (0.0005)	ND (0.0005)	ND (0.001)	ND (0.0005)	ND (0.0005)
Bromobenzene	*	*	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.01)	ND (0.005)	ND (0.01)	ND (0.004)	ND (0.002)	ND (0.002)	ND (0.004)	ND (0.004)	ND (0.002)	ND (0.002)	ND (0.004)	ND (0.002)	ND (0.002)
Bromodichloromethane	0.08	0.08	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0025)	ND (0.0013)	ND (0.0025)	ND (0.001)	ND (0.0005)	ND (0.0005)	ND (0.001)	ND (0.001)	ND (0.0005)	ND (0.0005)	ND (0.001)	ND (0.0005)	ND (0.0005)
Bromoform	0.08 0.011	0.36 0.14	ND (0.0005) ND (0.0005)	ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0025) UJ ND (0.0025) UJ	ND (0.0013)	ND (0.0025) ND (0.0025)	ND (0.001) UJ ND (0.001)	ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.001)	ND (0.001)	ND (0.0005) ND (0.0005) UJ	ND (0.0005) ND (0.0005) UJ	ND (0.001) UJ ND (0.001)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)
Bromomethane (Methyl bromide) Carbon disulfide	1.3	10	ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005)	ND (0.0025) UJ	ND (0.0013) ND (0.0013)	ND (0.0025)	ND (0.001)	ND (0.0005) UJ ND (0.0005)	ND (0.0005)	ND (0.001) ND (0.001)	ND (0.001) UJ ND (0.001)	ND (0.0005) UJ ND (0.0005)	ND (0.0005) UJ ND (0.0005)	ND (0.001) ND (0.001)	ND (0.0005)	ND (0.0005) ND (0.0005) UJ
Carbon tetrachloride	0.005	0.022	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0025)	ND (0.0013)	ND (0.0025)	ND (0.001)	ND (0.0005) UJ	ND (0.0005)	ND (0.001)	ND (0.001)	ND (0.0005)	ND (0.0005)	ND (0.001)	ND (0.0005)	ND (0.0005)
Chlorobenzene	0.1	2	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0025)	ND (0.0013)	ND (0.0025)	ND (0.001)	ND (0.0005)	ND (0.0005)	ND (0.001)	ND (0.001)	ND (0.0005)	ND (0.0005)	ND (0.001)	ND (0.0005)	ND (0.0005)
Chlorobromomethane	*	*	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0025)	ND (0.0013)	ND (0.0025)	ND (0.001) UJ	ND (0.0005)	ND (0.0005)	ND (0.001)	ND (0.001)	ND (0.0005)	ND (0.0005)	ND (0.001)	ND (0.0005)	ND (0.0005)
Chloroethane	0.062	0.99	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0025)	ND (0.0013)	ND (0.0025)	ND (0.001)	ND (0.0005)	ND (0.0005)	ND (0.001)	ND (0.001)	ND (0.0005)	ND (0.0005)	ND (0.001)	ND (0.0005)	ND (0.0005)
Chloroform (Trichloromethane) Chloromethane (Methyl chloride)	0.08	1	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005) UJ	ND (0.0025) ND (0.0025)	ND (0.0013) ND (0.0013)	ND (0.0025) ND (0.0025)	ND (0.001) ND (0.001)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.001) ND (0.001)	ND (0.001)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.001) ND (0.001)	ND (0.0005) 0.00007 J	ND (0.0005) ND (0.0005)
cis-1,2-Dichloroethene	0.07	1	ND (0.0005)	ND (0.0005)	ND (0.0005)	0.038	0.022	0.033	0.041	0.056	0.034	0.029	ND (0.001) U 0.036	0.027	0.037	0.02	0.0007	0.026
cis-1,3-Dichloropropene	*	*	ND (0.0005) UJ	ND (0.0005) UJ	ND (0.0005)	ND (0.0025)	ND (0.0013)	ND (0.0025)	ND (0.001)	ND (0.0005)	ND (0.0005)	ND (0.001)	ND (0.001)	ND (0.0005)	ND (0.0005)	ND (0.001)	ND (0.0005)	ND (0.0005)
Cymene (p-Isopropyltoluene)	*	*	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.01)	ND (0.0015)	ND (0.01)	ND (0.004)	ND (0.002)	ND (0.002)	ND (0.004)	ND (0.004)	ND (0.003)	ND (0.002)	ND (0.004)	ND (0.002)	ND (0.002)
Dibromochloromethane	*	*	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0025)	ND (0.0013)	ND (0.0025)	ND (0.001)	ND (0.0005)	ND (0.0005)	ND (0.001)	ND (0.001)	ND (0.0005)	ND (0.0005)	ND (0.001)	ND (0.0005) UJ	ND (0.0005)
Dibromomethane	*	*	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0025)	ND (0.0013)	ND (0.0025)	ND (0.001)	ND (0.0005)	ND (0.0005)	ND (0.001)	ND (0.001)	ND (0.0005)	ND (0.0005)	ND (0.001)	ND (0.0005)	ND (0.0005)
Dichlorodifluoromethane (CFC-12)	*	*	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0025)	ND (0.0013)	ND (0.0025)	ND (0.001)	ND (0.0005)	ND (0.0005)	ND (0.001)	ND (0.001)	ND (0.0005)	ND (0.0005)	ND (0.001)	ND (0.0005)	ND (0.0005)
Ethylbenzene Hexachlorobutadiene	0.7 0.011	10 0.031	ND (0.0005) ND (0.002)	ND (0.0005)	ND (0.0005)	ND (0.0025)	ND (0.0013)	ND (0.0025)	ND (0.001) UJ	ND (0.0005) ND (0.002)	ND (0.0005)	ND (0.001)	ND (0.001) ND (0.004)	ND (0.0005)	ND (0.0005) ND (0.002)	ND (0.001) ND (0.004)	ND (0.0005)	ND (0.0005)
Isopropyl benzene	0.83	10	ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) UJ ND (0.002)	ND (0.01) ND (0.01)	ND (0.005) ND (0.005)	ND (0.01) ND (0.01)	ND (0.004) ND (0.004)	ND (0.002)	ND (0.002) ND (0.002)	ND (0.004) ND (0.004)	ND (0.004) ND (0.004)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.004)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)
m&p-Xylene	*	*	ND (0.0005)	ND (0.002)	ND (0.005)	ND (0.0025)	ND (0.0013)	ND (0.0025)	ND (0.001) UJ	ND (0.0005)	ND (0.0005)	ND (0.001)	ND (0.001)	ND (0.0005)	ND (0.0005)	ND (0.001)	ND (0.0005)	ND (0.0005)
Methyl tert butyl ether (MTBE)	0.04	0.72	- '	- '	- /	- '	- '	- '	- , ,	- '	- /	- /	-	- /	- /	-	-	- /
Methylene chloride	0.005	0.38	ND (0.002)	ND (0.002)	ND (0.002)	0.0015	ND (0.005)	ND (0.01) U	0.00054 J	ND (0.002)	ND (0.002)	ND (0.004) U	0.00066 J	ND (0.002)	ND (0.002)	ND (0.004)	ND (0.002)	ND (0.002)
Naphthalene	0.0083	2	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.01)	ND (0.005)	ND (0.01)	ND (0.004)	ND (0.002)	ND (0.002)	ND (0.004)	ND (0.004)	ND (0.002)	ND (0.002)	ND (0.004)	ND (0.002) UJ	ND (0.002)
N-Butylbenzene	*	*	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.01)	ND (0.005)	ND (0.01)	ND (0.004)	ND (0.002)	ND (0.002)	ND (0.004)	ND (0.004)	ND (0.002)	ND (0.002)	ND (0.004)	ND (0.002)	ND (0.002)
N-Propylbenzene o-Xylene	0.31	4.1 *	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.01) ND (0.0025)	ND (0.005) ND (0.0013)	ND (0.01) ND (0.0025)	ND (0.004) ND (0.001) UJ	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.004) ND (0.001)	ND (0.004) ND (0.001)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.004) ND (0.001)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)
Styrene	0.1	20	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0025)	ND (0.0013)	ND (0.0025)	ND (0.001) C)	ND (0.0005)	ND (0.0005)	ND (0.001) ND (0.001)	ND (0.001)	ND (0.0005)	ND (0.0005)	ND (0.001) ND (0.001)	ND (0.0005)	ND (0.0005)
tert-Butylbenzene	*	*	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.01)	ND (0.005)	ND (0.01)	ND (0.004)	ND (0.002)	ND (0.002)	ND (0.004)	ND (0.004)	ND (0.002)	ND (0.002)	ND (0.004)	ND (0.002)	ND (0.002)
Tetrachloroethene	0.005	0.055	0.025a	0.025a	0.03 ^a	0.86 ^{ab}	0.51 ^{ab}	0.72ab	0.51 ^{ab}	0.42ab	0.35 ^{ab}	0.4ab	0.42 ^{ab}	0.23 ^{ab}	0.36 ^{ab}	0.34 ^{ab}	0.27 ^{ab}	0.19 ^{ab}
Toluene	1	8.2	ND (0.0005)	ND (0.0005)	0.00053	ND (0.0025)	ND (0.0013)	ND (0.0025)	ND (0.001)	ND (0.0005)	ND (0.0005) U	ND (0.001)	ND (0.001)	ND (0.0005)	ND (0.0005)	ND (0.001)	ND (0.0005)	ND (0.00072) U
trans-1,2-Dichloroethene	0.1	2	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0025)	0.00045 J	ND (0.0025)	0.00064 J	0.00045 J	0.00096	ND (0.001)	0.00042 J	0.00022 J	0.00035 J	0.00022 J	0.00021 J	0.00015 J
trans-1,3-Dichloropropene	*	*	ND (0.0005) UJ	ND (0.0005) UJ	ND (0.0005)	ND (0.0025)	ND (0.0013)	ND (0.0025)	ND (0.001)	ND (0.0005) UJ	ND (0.0005)	ND (0.001)	ND (0.001)	ND (0.0005)	ND (0.0005)	ND (0.001)	ND (0.0005)	ND (0.0005)
Trichloroethene	0.005	0.0072	0.0037	0.0038	0.0031	0.42 ^{ab}	0.19 ^{ab}	0.32 ^{ab}	0.24 ^{ab}	0.22 ^{ab}	0.18 ^{ab}	0.27 ^{ab}	0.2 ^{ab}	0.12 ^{ab}	0.24 ^{ab}	0.15 ^{ab}	0.15 ^{ab}	0.098 ^{ab}
Trichlorofluoromethane (CFC-11)	*	*	0.00041 J	0.00038 J	0.00028 J	ND (0.0025)	ND (0.0013)	ND (0.0025)	ND (0.001)	ND (0.0005)	ND (0.0005)	ND (0.001)	ND (0.001)	ND (0.0005)	ND (0.0005)	ND (0.001)	ND (0.0005)	ND (0.0005)
Vinyl chloride	0.002	0.004	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0025)	ND (0.0013)	ND (0.0025)	ND (0.001)	ND (0.0005)	ND (0.0005)	ND (0.001)	ND (0.001)	ND (0.0005)	ND (0.0005)	ND (0.001)	ND (0.0005)	ND (0.0005)

Xylene (total)

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Sample Location:			OB-27	OB-27	OB-28	OB-28	OB-28	OB-28	OB-28	OB-28	OB-28	OB-28	OB-28	OB-28	OB-28	OB-28	OB-28	OB-28
Sample ID:				GW-110509-JP-056							GW-041607-NH-021			,		5 GW-121008-JP-033	,	
Sample Date: Sample Type:			7/9/2009	11/5/2009	10/23/2003	12/6/2004	7/28/2005	11/8/2005	2/7/2006	5/4/2006	4/16/2007	10/30/2007	1/22/2008	4/8/2008	9/17/2008	12/10/2008	4/2/2009	7/9/2009
зитри 1 уре.	IDEM RISC Defa	ult Closure Levels																
Parameters	Residential	Industrial																
Volatile Organic Compounds (mg/L)	а	Ь																
1,1,1,2-Tetrachloroethane	0.0069	0.11	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,1,1-Trichloroethane	0.2	29	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,1,2,2-Tetrachloroethane	0.0009	0.014	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,1,2-Trichloroethane	0.005 0.99	0.05	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,1-Dichloroethane 1,1-Dichloroethene	0.99	10 5.1	ND (0.0005) ND (0.0005)	ND (0.0005) 0.00009 J	ND (0.0005) UJ ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)
1,1-Dichloropropene	0.007 *	5.1 *	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,2,3-Trichlorobenzene	*	*	ND (0.002)	ND (0.002) UJ	ND (0.002) UJ	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.0003)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.003)	ND (0.002)	ND (0.0003)	ND (0.0003)	ND (0.0003)	ND (0.003)
1,2,3-Trichloropropane	*	*	ND (0.0005)	ND (0.002) C)	ND (0.0005)	ND (0.0005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.002)
1,2,4-Trichlorobenzene	0.07	1	ND (0.002)	ND (0.002) UJ	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
1,2,4-Trimethylbenzene	0.016	5.1	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
1,2-Dibromo-3-chloropropane (DBCP)	*	*	ND (0.002)	ND (0.002) UJ	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002) UJ	ND (0.002) UJ	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	R	ND (0.002) UJ	ND (0.002)	ND (0.002)	ND (0.002)
1,2-Dibromoethane (Ethylene dibromide)	0.00005	0.0014	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
1,2-Dichlorobenzene	0.6	9.2	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,2-Dichloroethane	0.005	0.031	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,2-Dichloropropane	0.005	0.042	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,3,5-Trimethylbenzene	0.016	5.1	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
1,3-Dichlorobenzene	0.08	0.31	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,3-Dichloropropane	*	*	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,4-Dichlorobenzene	0.075	0.12	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
2,2-Dichloropropane	0.4		ND (0.0005)	ND (0.0005) UJ R	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)	ND (0.0005) R	ND (0.0005) R	ND (0.0005)					
2-Butanone (Methyl ethyl ketone) (MEK) 2-Chlorotoluene	8.4	61 *	ND (0.002)	ND (0.002)	ND (0.02) UJ ND (0.002)	ND (0.02) UJ ND (0.002)	ND (0.02) UJ ND (0.002)	ND (0.02) UJ ND (0.002)	ND (0.02) UJ ND (0.002)	ND (0.02) UJ ND (0.002)	ND (0.02) ND (0.002)	ND (0.02) ND (0.002)	ND (0.02) ND (0.002)	R ND (0.002)	R ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
2-Hexanone	*	*	ND (0.002)	R (0.002)	ND (0.002)	ND (0.002) ND (0.02) UJ	ND (0.002)	ND (0.02)	ND (0.02) ND (0.02) UJ	ND (0.002) ND (0.02) UJ	ND (0.002)	ND (0.02)	ND (0.02)	RD (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
2-Phenylbutane (sec-Butylbenzene)	*	*	ND (0.002)	ND (0.002)	ND (0.002) UJ	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
4-Chlorotoluene	*	*	ND (0.002)	ND (0.002)	ND (0.002) UJ	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
4-Methyl-2-pentanone			()	()	())	()	()	()	()	()	()	()	()	()	()	()	()	()
(Methyl isobutyl ketone) (MIBK)	2.2	8.2	ND (0.02)	ND (0.02)	ND (0.02) UJ	ND (0.02)	ND (0.02)	ND (0.02) UJ	ND (0.02) UJ	ND (0.02) UJ	ND (0.02)	R	ND (0.02)					
Acetone	6.9	92	ND (0.02)	R	ND (0.02) UJ	ND (0.02) ÚJ	ND (0.02) UJ	ND (0.02) UJ	ND (0.02) UJ	ND (0.02) UJ	ND (0.02)	ND (0.02)	ND (0.02)	R	R	ND (0.02)	R	ND (0.02)
Benzene	0.005	0.052	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Bromobenzene	*	*	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
Bromodichloromethane	0.08	0.08	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Bromoform	0.08	0.36	ND (0.0005)	ND (0.0005) UJ	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005)					
Bromomethane (Methyl bromide)	0.011	0.14	ND (0.0005)	ND (0.0005) UJ	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Carbon disulfide	1.3	10	ND (0.0005)	ND (0.0005) UJ	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)
Carbon tetrachloride	0.005	0.022	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005)						
Chlorobenzene Chlorobromomethane	0.1	2	ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005)	ND (0.0005)
Chloroethane	0.062	0.99	ND (0.0005) ND (0.0005)	ND (0.0005)	ND (0.0005) ND (0.0005) UJ	ND (0.0005) ND (0.0005)	ND (0.0005)	ND (0.0005) UJ ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)
Chloroform (Trichloromethane)	0.08	0.99	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Chloromethane (Methyl chloride)	*	*	ND (0.0005) U	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)	ND (0.0005) U	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) U
cis-1,2-Dichloroethene	0.07	1	0.017	0.014	0.014	0.0069	0.0038	0.0099	0.013	0.012	0.002	0.0058	0.0067	0.0034	0.0019	0.0037	0.0027	0.00074
cis-1,3-Dichloropropene	*	*	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Cymene (p-Isopropyltoluene)	*	*	ND (0.0003)	ND (0.003) ND (0.002)	ND (0.0003) UJ ND (0.002)	ND (0.0003)	ND (0.003)	ND (0.003)	ND (0.0003)	ND (0.0003)	ND (0.0003)	ND (0.003) ND (0.002)	ND (0.003)	ND (0.003)	ND (0.003)	ND (0.002)	ND (0.0003)	ND (0.003)
Dibromochloromethane	*	*	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002) ND (0.0005)	ND (0.002)	ND (0.002)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005) UJ	ND (0.002)	ND (0.002)
Dibromomethane	*	*	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Dichlorodifluoromethane (CFC-12)	*	*	ND (0.0005) UJ	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ				
Ethylbenzene	0.7	10	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005)							
Hexachlorobutadiene	0.011	0.031	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002) UJ	ND (0.002)	ND (0.002)	ND (0.002)					
Isopropyl benzene	0.83	10	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
m&p-Xylene	*	*	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005)							
Methyl tert butyl ether (MTBE)	0.04	0.72	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylene chloride	0.005	0.38	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002) U	ND (0.002)	ND (0.002)	ND (0.002)				
Naphthalene	0.0083	2	ND (0.002) U	ND (0.002) UJ	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	0.0001 J	ND (0.002) UJ	ND (0.002)	ND (0.002)
N-Butylbenzene	*	*	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
N-Propylbenzene	0.31	4.1	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
o-Xylene		*	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005)							
Styrene	0.1	20	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
tert-Butylbenzene			ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
Tetrachloroethene	0.005	0.055	0.18 ^{ab}	0.16 ^{ab}	0.24 ^{ab}	0.22 ^{ab}	0.22 ^{ab}	0.26 ^{ab}	0.3ab	0.25 ^{ab}	0.14 ^{ab}	0.19 ^{ab}	0.17 ^{ab}	0.11 ^{ab}	0.14 ^{ab}	0.13 ^{ab}	0.12 ^{ab}	0.077 ^{ab}
Toluene	1	8.2	ND (0.0005)	ND (0.0005) U	ND (0.0005) U	ND (0.0005)	ND (0.0005) U	0.00016 J	ND (0.0005)	0.00012 J	ND (0.0005)	0.00014 J	ND (0.00084) U	ND (0.0005)				
trans-1,2-Dichloroethene	0.1	2	0.00015 J	0.00024 J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
trans-1,3-Dichloropropene	*	*	ND (0.0005)	ND (0.0005) UJ	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005)						
Trichloroethene	0.005	0.0072	0.08 ^{ab}	0.079 ^{ab}	0.037 ^{ab}	0.031 ab	0.037 ^{ab}	0.052 ^{ab}	0.08 ^{ab}	0.078 ^{ab}	0.024 ^{ab}	0.043 ^{ab}	0.036 ^{ab}	0.03 ^{ab}	0.02 ^{ab}	0.026 ^{ab}	0.022 ^{ab}	0.0091 ^{ab}
Trichlorofluoromethane (CFC-11)			ND (0.0005)	ND (0.0005)	0.0002 J	0.00017 J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	0.00016 J	ND (0.0005)	ND (0.0005)	ND (0.0005)	0.00012 J	ND (0.0005)	ND (0.0005)	ND (0.0005)
Vinyl chloride	0.002	0.004	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Xylene (total)	10	20	-	_	-	-	=	-	-	_	-	_	_	_	_	-	_	-

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Sample Location:			OB-28	OB-29	OB-29	OB-29	OB-29	OB-29	OB-29	OB-29	OB-29	OB-30	OB-30	OB-30	OB-30	OB-30	OB-30	OB-30
Sample ID:			,		GW-102303-MG-020						GW-050406-NRS-070					GW-020606-MG-003		
Sample Date:			11/4/2009	10/23/2003	10/23/2003	12/3/2004	8/3/2005	11/17/2005	11/17/2005	2/8/2006	5/4/2006	10/24/2003	12/8/2004	7/28/2005	11/8/2005	2/6/2006	5/4/2006	4/17/2007
Sample Type:	IDEM RISC Defe	ault Closure Levels			(Duplicate)				(Duplicate)									
Parameters	Residential	Industrial																
	а	b																
Volatile Organic Compounds (mg/L) 1,1,1,2-Tetrachloroethane	0.0069	0.11	NID (0.000E)	ND (0.0005)	ND (0.0005)	NTD (0.000E)	NID (0.000E)	NID (0.000E)	NID (0.000E)	NID (0.000E)	NID (0.000E)	NID (0.001)	ND (0.0005)	NTD (0.000E)	NID (0.000E)	ND (0.0005)	ND (0.0005)	NID (0.000E)
1,1,1-Trichloroethane	0.0069	29	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005) UJ	ND (0.0005) ND (0.0005)	ND (0.001) ND (0.001)	ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) ND (0.0005)
1,1,2,2-Tetrachloroethane	0.0009	0.014	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.001)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,1,2-Trichloroethane	0.005	0.05	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.001)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,1-Dichloroethane	0.99	10	ND (0.0005)	ND (0.0005) UJ	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.001) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)				
1,1-Dichloroethene	0.007	5.1	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	0.0014	ND (0.0005)	0.00059	0.0006	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,1-Dichloropropene	*	*	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.001)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,2,3-Trichlorobenzene	*	*	ND (0.002)	ND (0.002) UJ ND (0.0005)	ND (0.002) UJ ND (0.0005)	ND (0.002)	ND (0.002)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002)	ND (0.002)	ND (0.004) UJ	ND (0.002) ND (0.0005)	ND (0.002)	ND (0.002)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002)
1,2,3-Trichloropropane 1,2,4-Trichlorobenzene	0.07	1	ND (0.0005) ND (0.002)	ND (0.003) ND (0.002)	ND (0.0003)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0003)	ND (0.0003) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.001) ND (0.004)	ND (0.003)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.002)	ND (0.003) ND (0.002)	ND (0.0005) ND (0.002)
1,2,4-Trimethylbenzene	0.016	5.1	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.004)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
1,2-Dibromo-3-chloropropane (DBCP)	*	*	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002) UJ	ND (0.002)	ND (0.004)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002) UJ	ND (0.002)	ND (0.002)
1,2-Dibromoethane (Ethylene dibromide)		0.0014	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.004)	ND (0.002)	ND (0.002)	ND (0.002) UJ	ND (0.002)	ND (0.002)	ND (0.002)
1,2-Dichlorobenzene	0.6	9.2	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.001)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,2-Dichloroethane	0.005	0.031	ND (0.0005)	0.0003 J	0.00027 J	0.0002 J	0.00024 J	0.00031 J	0.00029 J	0.00031 J	0.00034 J	ND (0.001)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,2-Dichloropropane 1,3,5-Trimethylbenzene	0.005 0.016	0.042 5.1	ND (0.0005) ND (0.002)	ND (0.0005) UJ ND (0.002)	ND (0.0005) UJ ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.001) ND (0.004)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)				
1,3-Dichlorobenzene	0.016	0.31	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005) UJ	ND (0.002) ND (0.0005) UJ	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.004) ND (0.001) UJ	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)				
1,3-Dichloropropane	*	*	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.001)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,4-Dichlorobenzene	0.075	0.12	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.001)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
2,2-Dichloropropane	*	*	ND (0.0005)	ND (0.0005) UJ	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)	ND (0.001) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)
2-Butanone (Methyl ethyl ketone) (MEK)	8.4	61	R	ND (0.02) UJ	ND (0.02) UJ	ND (0.02) UJ	ND (0.02) UJ	ND (0.02) UJ	ND (0.02) UJ	ND (0.02) UJ	ND (0.02) UJ	ND (0.04)	ND (0.02) UJ	ND (0.02) UJ	ND (0.02) UJ	ND (0.02) UJ	ND (0.02) UJ	ND (0.02) UJ
2-Chlorotoluene	*	*	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.004)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
2-Hexanone 2-Phenylbutane (sec-Butylbenzene)	*	*	ND (0.02) ND (0.002)	ND (0.02) UJ ND (0.002) UJ	ND (0.02) UJ ND (0.002) UJ	ND (0.02) UJ ND (0.002)	ND (0.02) UJ ND (0.002)	ND (0.04) ND (0.004) UJ	ND (0.02) UJ ND (0.002)	ND (0.02) UJ ND (0.002)	ND (0.02) UJ ND (0.002)	ND (0.02) UJ ND (0.002)	ND (0.02) UJ ND (0.002)	ND (0.02) ND (0.002)				
4-Chlorotoluene	*	*	ND (0.002)	ND (0.002) UJ	ND (0.002) UJ	ND (0.002)	ND (0.002)	ND (0.004) UJ	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)				
4-Methyl-2-pentanone			1415 (0.002)	14D (0.002) C)	140 (0.002) 0)	140 (0.002)	14D (0.002)	1415 (0.002)	142 (0.002)	14D (0.002)	1415 (0.002)	14D (0.004) 0)	140 (0.002)	14D (0.002)	1415 (0.002)	1415 (0.002)	140 (0.002)	142 (0.002)
(Methyl isobutyl ketone) (MIBK)	2.2	8.2	R	ND (0.02) UJ	ND (0.02) UJ	ND (0.02)	ND (0.02)	ND (0.02) UJ	ND (0.02) UJ	ND (0.02) UJ	ND (0.02) UJ	ND (0.04)	ND (0.02)	ND (0.02)	ND (0.02) UJ	ND (0.02) UJ	ND (0.02) UJ	ND (0.02)
Acetone	6.9	92	R	ND (0.02) UJ	ND (0.02) UJ	ND (0.02) UJ	ND (0.02) UJ	ND (0.02) UJ	ND (0.02) UJ	ND (0.02) UJ	ND (0.02) UJ	ND (0.04) UJ	ND (0.02) UJ	ND (0.02) UJ	ND (0.02) UJ	ND (0.02) UJ	ND (0.02) UJ	ND (0.02)
Benzene	0.005	0.052	ND (0.0005) U	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.001)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Bromobenzene	*	*	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.004)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
Bromodichloromethane Bromoform	0.08 0.08	0.08 0.36	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005) UJ	ND (0.0005) ND (0.0005) UJ	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.001)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)				
Bromomethane (Methyl bromide)	0.011	0.14	ND (0.0005)	ND (0.0005) UJ	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.001) UJ ND (0.001) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)				
Carbon disulfide	1.3	10	ND (0.0005)	ND (0.0005) UJ	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.001) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)				
Carbon tetrachloride	0.005	0.022	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.001)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)
Chlorobenzene	0.1	2	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.001)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Chlorobromomethane	*	*	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.001)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Chloroethane	0.062	0.99	ND (0.0005)	ND (0.0005) UJ	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.001)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)				
Chloroform (Trichloromethane)	0.08	1	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.001)	ND (0.0005)	ND (0.0005)	ND (0.0005)	0.00022 J	ND (0.0005)	ND (0.0005)
Chloromethane (Methyl chloride) cis-1,2-Dichloroethene	0.07	1	ND (0.0005) 0.0018	ND (0.0005) 0.0023	ND (0.0005) 0.0022	ND (0.0005) 0.0017	ND (0.0005) UJ 0.002	ND (0.0005) 0.0027	ND (0.0005) 0.0027	0.00014 J 0.0028	ND (0.0005) UJ 0.003	ND (0.001) 0.3 ^a	ND (0.0005) 0.045	ND (0.0005) 0.17 ^a	ND (0.0005) UJ 0.17 ^a	ND (0.0005)	ND (0.0005) UJ 0.035	ND (0.0005) 0.0022
cis-1,3-Dichloropropene	*	*	ND (0.0005)	ND (0.0005) UJ	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.005)	ND (0.005)	ND (0.0005) UJ	ND (0.0005)	ND (0.001)	ND (0.0005)	ND (0.0005)	ND (0.0005)	0.012 ND (0.0005)	ND (0.0005)	ND (0.0005)
Cymene (p-Isopropyltoluene)	*	*	ND (0.002)	ND (0.0003) C)	ND (0.002)	ND (0.003)	ND (0.002)	ND (0.003)	ND (0.003)	ND (0.002)	ND (0.002)	ND (0.001) ND (0.004)	ND (0.002)	ND (0.003)	ND (0.003)	ND (0.002)	ND (0.002)	ND (0.003)
Dibromochloromethane	*	*	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.001)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
Dibromomethane	*	*	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.001)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Dichlorodifluoromethane (CFC-12)	*	*	ND (0.0005)	ND (0.0005) UJ	ND (0.0005) ÚJ	ND (0.0005)	ND (0.0005)	ND (0.001)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)				
Ethylbenzene	0.7	10	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.001)	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005)
Hexachlorobutadiene	0.011	0.031	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002) UJ	ND (0.004)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002) UJ	ND (0.002)
Isopropyl benzene m&p-Xylene	0.83	10	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.004)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
Methyl tert butyl ether (MTBE)	0.04	0.72	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.001)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Methylene chloride	0.005	0.38	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	0.00074	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002) U
Naphthalene	0.0083	2	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.004)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
N-Butylbenzene	*	*	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.004)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
N-Propylbenzene	0.31	4.1	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.004)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
o-Xylene	*	*	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.001)	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005)
Styrene tort Butulbangana	0.1	20	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.001)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
tert-Butylbenzene	0.005		ND (0.002) 0.083 ^{ab}	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.004) 0.084 ^{ab}	ND (0.002) 0.02 ^a	ND (0.002) 0.078 ^{ab}	ND (0.002) 0.06 ^{ab}	ND (0.002) 0.019 ^a	ND (0.002) 0.028 ^a	ND (0.002)
Tetrachloroethene	0.005	0.055		0.0011 ND (0.0005) 11	0.0011 ND (0.0005) II	0.0015	0.0015 ND (0.0005)	0.0011 ND (0.0005)	0.0011 ND (0.0005)	0.0013 ND (0.0005)	ND (0.0005) U						1	0.0031 ND (0.0005)
Toluene trans-1,2-Dichloroethene	1 0.1	8.2 2	ND (0.0005) U ND (0.0005)	ND (0.0005) U 0.00072	ND (0.0005) U 0.00072	ND (0.0005) 0.00048 J	ND (0.0005) 0.00044 J	ND (0.0005) 0.00067	ND (0.0005) 0.0006	ND (0.0005) 0.00064	0.00013 J 0.0007	ND (0.001) 0.0014	ND (0.0005) ND (0.0005)	ND (0.0005) U 0.00081	0.00017 J 0.00092	ND (0.0005) ND (0.0005)	ND (0.0005) 0.00015 J	ND (0.0005) ND (0.0005)
trans-1,2-Dichloroperne trans-1,3-Dichloropropene	*	*	ND (0.0005)	ND (0.0005) UJ	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)	ND (0.001)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) ND (0.0005) UJ	ND (0.0005)	ND (0.0005)
Trichloroethene	0.005	0.0072	0.011 ^{ab}	0.0073 ab	0.0073 ab	0.0069 ^a	0.0073 ^{ab}	0.0088 ^{ab}	0.0088 ^{ab}	0.0093 ^{ab}	0.0088 ^{ab}	0.28 ^{ab}	0.048 ^{ab}	0.14 ^{ab}	0.15 ^{ab}	0.022 ^{ab}	0.041 ^{ab}	0.0034
Trichlorofluoromethane (CFC-11)	*	*	ND (0.0005)	0.00023 J	0.00024 J	0.00025 J	0.00024 J	0.00017 J	0.00017 J	0.00017 J	ND (0.0005)	ND (0.001)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Vinyl chloride	0.002	0.004	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.001)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Xylene (total)	10	20	-	-	- ()	- ()	- ()	- ()	- ()	-	-	-	- ()	-	- ()	-	- ()	- ()

TABLE 5.3
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SUMMARY OF PHASE IIB RFI GROUNDWATER VOC ANALYTICAL DATA - OVERBURDEN WELLS RADIO MATERIALS CORPORATION ATTICA, INDIANA

Sample Location: Sample ID:			OB-30	OB-30 GW-012208-NH-010	OB-30	OB-30	OB-30 GW-121108-JP-046	OB-30	OB-30	OB-30 3 GW-110409-JP-042	OB-30 GW-110409-JP-043	OB-31	OB-31 GW-120804-MG-039	OB-31 GW-080305-TP-051	OB-31 GW-110805-MG-009	OB-31 GW-020706-MG-010	OB-31	OB-31 5 GW-041707-NH-025
Sample 1D: Sample Date:			10/30/2007	1/22/2008	4/8/2008	9/17/2008	12/11/2008	3/31/2009	7/8/2009	11/4/2009	11/4/2009	10/24/2003	12/8/2004	8/3/2005	11/8/2005	2/7/2006	5/4/2006	4/17/2007
Sample Type:											(Duplicate)							
Demonstruc	IDEM RISC Defa Residential	ult Closure Levels																
Parameters	Restuentiut	Industrial b																
Volatile Organic Compounds (mg/L)																		
1,1,1,2-Tetrachloroethane	0.0069	0.11	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,1,1-Trichloroethane 1,1,2,2-Tetrachloroethane	0.2 0.0009	29 0.014	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)
1,1,2-Trichloroethane	0.005	0.05	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,1-Dichloroethane	0.99	10	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,1-Dichloroethene	0.007	5.1	0.0007	ND (0.0005)	ND (0.0005)	0.0011	0.00078	0.00013 J	0.00028 J	ND (0.0005)	0.00008 J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	0.00014 J
1,1-Dichloropropene 1,2,3-Trichlorobenzene	*	*	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002) UJ	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)
1,2,3-Trichloropropane	*	*	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,2,4-Trichlorobenzene	0.07	1	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
1,2,4-Trimethylbenzene	0.016	5.1	ND (0.002)	ND (0.002)	ND (0.002) R	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
1,2-Dibromo-3-chloropropane (DBCP) 1,2-Dibromoethane (Ethylene dibromide)	0.00005	0.0014	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002)	ND (0.002) UJ ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) UJ ND (0.002)	ND (0.002) UJ ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)
1,2-Dichlorobenzene	0.6	9.2	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,2-Dichloroethane	0.005	0.031	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,2-Dichloropropane	0.005 0.016	0.042	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,3,5-Trimethylbenzene 1,3-Dichlorobenzene	0.016	5.1 0.31	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005) UJ	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)
1,3-Dichloropropane	*	*	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,4-Dichlorobenzene	0.075	0.12	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
2,2-Dichloropropane 2-Butanone (Methyl ethyl ketone) (MEK)	* 8.4	* 61	ND (0.0005) ND (0.02)	ND (0.0005) ND (0.02)	ND (0.0005) R	ND (0.0005) R	ND (0.0005) R	ND (0.0005) R	ND (0.0005) R	ND (0.0005) R	ND (0.0005) R	ND (0.0005) UJ ND (0.02) UJ	ND (0.0005) ND (0.02) UJ	ND (0.0005) ND (0.02) UJ	ND (0.0005) ND (0.02) UJ	ND (0.0005) UJ ND (0.02) UJ	ND (0.0005) ND (0.02) UJ	ND (0.0005) ND (0.02) UJ
2-Chlorotoluene	*	*	ND (0.02)	ND (0.02) ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.02) C)	ND (0.02) C)	ND (0.02) C)	ND (0.002)	ND (0.02) C)	ND (0.002)	ND (0.002) ND (0.002)
2-Hexanone	*	*	ND (0.02)	ND (0.02)	R	ND (0.02)	ND (0.02)	ND (0.02) UJ	R	ND (0.02)	ND (0.02)	ND (0.02) UJ	ND (0.02) UJ	ND (0.02) UJ	ND (0.02) UJ	ND (0.02) UJ	ND (0.02) ÚJ	ND (0.02)
2-Phenylbutane (sec-Butylbenzene)	*	*	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002) UJ	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
4-Chlorotoluene 4-Methyl-2-pentanone	*	*	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002) UJ	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
(Methyl isobutyl ketone) (MIBK)	2.2	8.2	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	R	ND (0.02)	R	R	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02) UJ	ND (0.02) UJ	ND (0.02) UJ	ND (0.02)
Acetone	6.9	92	ND (0.02)	ND (0.02)	R	R	ND (0.02)	R	ND (0.02)	R	R	ND (0.02) UJ	ND (0.02) UJ	ND (0.02) UJ	ND (0.02) UJ	ND (0.02) UJ	ND (0.02) UJ	ND (0.02)
Benzene Bromobenzene	0.005	0.052	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) U	ND (0.0005) U ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)
Bromodichloromethane	0.08	0.08	ND (0.002)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002)	ND (0.002) ND (0.0005)
Bromoform	0.08	0.36	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) ÚJ	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005)
Bromomethane (Methyl bromide)	0.011	0.14	ND (0.0005) UJ	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)
Carbon disulfide Carbon tetrachloride	1.3 0.005	10 0.022	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005) UJ	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) UJ ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005) UJ	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)
Chlorobenzene	0.1	2	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Chlorobromomethane	*	*	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005)
Chloroftone (Trichloromethers)	0.062	0.99	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Chloroform (Trichloromethane) Chloromethane (Methyl chloride)	0.08	*	ND (0.0005) ND (0.0005) U	0.00019 J ND (0.0005)	ND (0.0005) ND (0.0005)	0.00006 J ND (0.0005)	0.00006 J ND (0.0005) U	0.00008 J ND (0.0005)	ND (0.0005) ND (0.0005) U	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005) UJ	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)
cis-1,2-Dichloroethene	0.07	1	0.26a	0.0085	0.0072	0.3ª	0.22ª	0.038	0.07	0.021	0.028	0.021	0.0078	0.0016	0.0039	0.0097	0.0048	0.031
cis-1,3-Dichloropropene	*	*	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Cymene (p-Isopropyltoluene)	*	*	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
Dibromochloromethane Dibromomethane	*	*	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)
Dichlorodifluoromethane (CFC-12)	*	*	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Ethylbenzene	0.7	10	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005)
Hexachlorobutadiene	0.011 0.83	0.031	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)
Isopropyl benzene m&p-Xylene	v.65	*	ND (0.002)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005) UJ	ND (0.002) ND (0.0005)	ND (0.002)	ND (0.002) ND (0.0005)
Methyl tert butyl ether (MTBE)	0.04	0.72	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylene chloride	0.005	0.38	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
Naphthalene N-Butylbenzene	0.0083	*	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)
N-Propylbenzene	0.31	4.1	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
o-Xylene	*	*	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005)
Styrene tert-Butylbenzene	0.1	20	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)
Tetrachloroethene	0.005	0.055	0.091 ^{ab}	0.011 ^a	0.0063 ^a	0.078 ^{ab}	0.062 ^{ab}	0.018 ^a	0.03 ^a	0.0089 ^a	0.011 ^a	0.027 ^a	0.021 ^a	0.0053 ^a	0.013 ^a	0.021 ^a	0.011 ^a	0.021 ^a
Toluene	1	8.2	ND (0.0005)	ND (0.0005)	0.00012 J	ND (0.0005)	ND (0.0005)	ND (0.0005) U	ND (0.0005)	ND (0.0005) U	ND (0.0005) U	ND (0.0005) U	ND (0.0005)	ND (0.0005)	0.00021 J	ND (0.0005)	0.00012 J	ND (0.0005)
trans-1,2-Dichloroethene	0.1	2	0.0012	ND (0.0005)	ND (0.0005)	0.0013	0.00093	0.00017 J	0.00054	ND (0.0005)	0.00011 J	0.00032 J	0.00024 J	ND (0.0005)	ND (0.0005)	0.00019 J	ND (0.0005)	0.00022 J
trans-1,3-Dichloropropene	*	*	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)
Trichloroethene Trichlorofluoromethane (CFC-11)	0.005	0.0072	0.23 ^{ab}	0.017 ^{ab}	0.0086 ^{ab}	0.22 ^{ab}	0.2 ^{ab}	0.045 ^{ab}	0.064 ^{ab}	0.022 ^{ab}	0.029 ^{ab}	0.028 ^{ab}	0.014 ^{ab}	0.0033 ND (0.0005)	0.0092 ^{ab} ND (0.0005)	0.018 ^{ab}	0.009 ^{ab}	0.038 ^{ab}
Vinyl chloride	0.002	0.004	ND (0.0005) 0.0001 J	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) 0.0001 J	ND (0.0005) 0.00024 J	ND (0.0005) UJ ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)
V I (L. I)	10	0.004	0.0001 j	1412 (0.0003)	145 (0.0003)	0.0001 j	0.00024 J	1112 (0.0003)	1112 (0.0003)	1117 (0.0003)	1112 (0.0003)	1112 (0.0003)	(0.0003)	1412 (0.0003)	1412 (0.0003)	1412 (0.0003)	112 (0.0003)	1412 (0.0003)

Xylene (total)

TABLE 5.3
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Sample Location:			OB-31	OB-31	OB-31	OB-31	OB-31	OB-31	OB-31	OB-31	OB-31	OB-32	OB-32	OB-32	OB-32	OB-32	OB-32	OB-32
Sample ID:			GW-110107-NH-016	GW-012208-NH-012	GW-012208-NH-013	GW-040908-JP-014	GW-091808-JP-012	GW-121108-JP-041	GW-033109-JP-022	GW-070909-TP-112	GW-110409-JP-047	GW-102403-MG-024	GW-120604-MG-020	GW-072605-TP-006	GW-110805-MG-002	GW-020706-MG-004	GW-050506-NRS-077	7 GW-041907-NH-03
Sample Date:			11/1/2007	1/22/2008	1/22/2008	4/9/2008	9/18/2008	12/11/2008	3/31/2009	7/9/2009	11/4/2009	10/24/2003	12/6/2004	7/26/2005	11/8/2005	2/7/2006	5/5/2006	4/19/2007
Sample Type:	IDEM RISC Defat	ult Clasuma I amala			(Duplicate)													
Parameters	Residential	Industrial																
	а	b																
/olatile Organic Compounds (mg/L) ,1,1,2-Tetrachloroethane	0.0069	0.11	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
,1,1-Trichloroethane	0.0069	29	ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,2,2-Tetrachloroethane	0.0009	0.014	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
,1,2-Trichloroethane	0.005	0.05	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
,1-Dichloroethane	0.99	10	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
,1-Dichloroethene	0.007	5.1	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	0.00017 J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) ND (0.0005)
1-Dichloropropene 2,3-Trichlorobenzene	*	*	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002) UJ	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0003)
2,3-Trichloropropane	*	*	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
2,4-Trichlorobenzene	0.07	1	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
2,4-Trimethylbenzene	0.016	5.1	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
2-Dibromo-3-chloropropane (DBCP)	*	*	ND (0.002)	ND (0.002)	ND (0.002)	R	ND (0.002) UJ	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002) UJ	ND (0.002) UJ	ND (0.002)	ND (0.002)
2-Dibromoethane (Ethylene dibromide) 2-Dichlorobenzene	0.00005 0.6	0.0014 9.2	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)
2-Dichloroethane	0.005	0.031	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
2-Dichloropropane	0.005	0.042	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
3,5-Trimethylbenzene	0.016	5.1	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
3-Dichlorobenzene	0.08	0.31	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
3-Dichloropropane	* 0.075	* 0.12	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
4-Dichlorobenzene 2-Dichloropropane	0.0/5 *	0.12	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) UJ ND (0.0005) UJ	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005) UJ	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)
-Butanone (Methyl ethyl ketone) (MEK)	8.4	61	ND (0.003)	ND (0.003)	ND (0.02)	R	R	R	R	R	R	ND (0.003)	ND (0.02) UJ	ND (0.02) UJ	ND (0.000)	ND (0.02) UJ	ND (0.02) UJ	ND (0.003)
-Chlorotoluene	*	*	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
Hexanone	*	*	ND (0.02)	ND (0.02)	ND (0.02)	R	ND (0.02)	ND (0.02)	ND (0.02) UJ	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02) UJ	ND (0.02) UJ	ND (0.02) UJ	ND (0.02) UJ	ND (0.02)	ND (0.02)
Phenylbutane (sec-Butylbenzene)	*	*	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002) UJ	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
-Chlorotoluene -Methyl-2-pentanone	•	•	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002) UJ	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
(Methyl isobutyl ketone) (MIBK)	2.2	8.2	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	R	R	R	ND (0.02)	ND (0.02)	ND (0.02) UJ	ND (0.02) UJ	ND (0.02) UJ	ND (0.02) UJ	ND (0.02)
cetone	6.9	92	ND (0.02)	ND (0.02)	ND (0.02)	R	R	ND (0.02)	R	R	R	ND (0.02) UJ	ND (0.02) UJ	ND (0.02) UJ	ND (0.02) UJ	ND (0.02) UJ	ND (0.02) UJ	ND (0.02)
enzene	0.005	0.052	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) U	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
romobenzene	*	*	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
romodichloromethane	0.08 0.08	0.08 0.36	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
omoform omomethane (Methyl bromide)	0.08	0.36	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005) UJ	ND (0.0005) UJ ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) UJ ND (0.0005) UJ	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005) UJ	ND (0.0005) UJ ND (0.0005)	ND (0.0005) ND (0.0005) UJ	ND (0.0005) UJ ND (0.0005)	ND (0.0005) ND (0.0005)
arbon disulfide	1.3	10	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
arbon tetrachloride	0.005	0.022	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) ÚJ	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) ÚJ	ND (0.0005) UJ	ND (0.0005)
hlorobenzene	0.1	2	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
hlorobromomethane	*	0.99	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005)
'hloroethane 'hloroform (Trichloromethane)	0.062 0.08	0.99	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)
hloromethane (Methyl chloride)	*	*	ND (0.00052) U	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) U	ND (0.0005)	ND (0.0005) U	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
s-1,2-Dichloroethene	0.07	1	0.01	0.011	0.012	0.035	0.013	0.033	0.061	0.0053	0.017	0.0045	0.0031	0.0044	0.0029	0.002	0.0091	0.0055
s-1,3-Dichloropropene	*	*	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
ymene (p-Isopropyltoluene)	*	*	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
ibromochloromethane	*	*	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)
ibromomethane ichlorodifluoromethane (CFC-12)	*	*	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005) UJ	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005) UJ	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)
chlorodifluoromethane (CFC-12) hylbenzene	0.7	10	ND (0.0005) ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) UJ ND (0.0005)	ND (0.0005)	ND (0.0005) UJ ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005) UJ	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005)
exachlorobutadiene	0.011	0.031	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.0003)	ND (0.002)	ND (0.002)	ND (0.003)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.0003)	ND (0.002)	ND (0.002)
opropyl benzene	0.83	10	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
&p-Xylene	*	*	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005)
ethyl tert butyl ether (MTBE) ethylene chloride	0.04 0.005	0.72 0.38	- ND (0.002)	NID (0.002)	- ND (0.002)	ND (0.002)	- NID (0.002)	ND (0.002)	- ND (0.002)	ND (0.002)	ND (0.002)	- NID (0.002)	ND (0.002)	ND (0.002)	- ND (0.002)	- ND (0.002)	- ND (0.002)	- ND (0.002) U
etnylene chioride aphthalene	0.0083	0.38	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	0.00013 J	ND (0.002) ND (0.002)	ND (0.002) ND (0.002) U	0.0001 J	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) U ND (0.002)
Butylbenzene	*	*	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002) C	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
Propylbenzene	0.31	4.1	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
lylene	*	*	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005)
rene	0.1	20	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
-Butylbenzene	*		ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002) 0.026 ^a	ND (0.002)	ND (0.002)
trachloroethene	0.005	0.055	0.018 ^a	0.018 ^a	0.019 ^a	0.016 ^a	0.016 ^a	0.023 ^a	0.023 ^a	0.013 ^a	0.015 ^a	0.027 ^a	0.028 ^a	0.03ª	0.031 ^a		0.032 ^a	0.036 ^a
uene ns-1,2-Dichloroethene	1 0.1	8.2 2	ND (0.0005) 0.00017 J	ND (0.0005) 0.00015 J	ND (0.0005) 0.00016 J	ND (0.0005) 0.00021 J	ND (0.0005) 0.00018 J	ND (0.0005) U 0.00022 J	ND (0.00072) U 0.0013	ND (0.0005) 0.00019 J	ND (0.0005) U 0.00023 J	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	0.00015 J ND (0.0005)	0.0003 J ND (0.0005)	ND (0.0005) ND (0.0005)	0.00017 J 0.00046 J	ND (0.0005) 0.00018 J
ns-1,3-Dichloropropene	*	*	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)
chloroethene	0.005	0.0072	0.016 ^{ab}	0.016 ^{ab}	0.017 ^{ab}	0.034 ^{ab}	0.018 ^{ab}	0.036 ^{ab}	0.064 ^{ab}	0.011 ^{ab}	0.023 ^{ab}	0.024 ^{ab}	0.033 ^{ab}	0.042 ^{ab}	0.04 ^{ab}	0.031 ^{ab}	0.035 ^{ab}	0.029 ^{ab}
ichlorofluoromethane (CFC-11)	*	*	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	0.00009 J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
inyl chloride	0.002	0.004	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	0.00023 J	0.00005 J
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TABLE 5.3

SUMMARY OF PHASE IIB RFI GROUNDWATER VOC ANALYTICAL DATA - OVERBURDEN WELLS RADIO MATERIALS CORPORATION ATTICA. INDIANA

OB-32 OB-32 OB-32 OB-32 OB-32 OB-32 OB-32 OB-32 OB-33 OB-33 OB-33 OB-33 OB-33 Sample Location OB-33 OB-33 OB-33 $GW\text{-}103107\text{-}NH\text{-}007 \quad GW\text{-}012208\text{-}NH\text{-}001 \quad GW\text{-}012208\text{-}NH\text{-}001 \quad GW\text{-}049098\text{-}|P\text{-}007 \quad GW\text{-}091608\text{-}|P\text{-}003 \quad GW\text{-}104097\text{-}NH\text{-}031 \quad GW\text{-}110607\text{-}NH\text{-}031 \quad$ Sample ID: 4/9/2008 9/16/2008 12/9/2008 4/1/2009 12/14/2004 7/29/2005 2/16/2006 11/6/2007 Sample Date: 10/31/2007 1/22/2008 7/8/2009 11/3/2009 11/11/2005 4/25/2006 4/12/2007 11/6/2007 Sample Type: (Duplicate) IDEM RISC Default Closure Levels Parameters Residential Industria Volatile Organic Compounds (mg/L) 1,1,1,2-Tetrachloroethane 0.0069 0.11 ND (0.0005) ND (0.0005 ND (0.0005) ND (0.0005) ND (0.0005) ND (0.0005) ND (0.0005) ND (0.0005) 1.1.1-Trichloroethane ND (0.0005 ND (0.0005) ND (0.0005) ND (0.0005) ND (0.0005) ND (0.0005 ND (0.0005) ND (0.0005) ND (0.0005 ND (0.0005) ND (0.0005) ND (0.0005) ND (0.0005) ND (0.0005) 1,1,2,2-Tetrachloroethan ND (0.0005) ND (0.0005) 0.0009 0.014 ND (0.0005) ND (0.0005) ND (0.0005 ND (0.0005) ND (0.0005 ND (0.0005) ND (0.0005) ND (0.0005 ND (0.0005) ND (0.0005 ND (0.0005) ND (0.0005) ND (0.0005) ND (0.0005) 1.1.2-Trichloroethane 0.005 0.05 ND (0.0005) ND (0.0005) ND (0.0005) ND (0.0005) ND (0.0005) ND (0.0005) ND (0.0005 ND (0.0005) ND (0.0005) ND (0.0005 ND (0.0005) ND (0.0005) ND (0.0005) ND (0.0005) ND (0.0005) ND (0.0005) 1.1-Dichloroethane 0.99 ND (0.0005) 1.1-Dichloroethene 0.007 5.1 ND (0.0005) 1.1-Dichloropropene ND (0.0005) 1.2.3-Trichlorobenzene ND (0.002) 1,2,3-Trichloropropane ND (0.0005 ND (0.0005) ND (0.0005 ND (0.0005) ND (0.0005) ND (0.0005) ND (0.0005 ND (0.0005) ND (0.0005) ND (0.0005 ND (0.0005) ND (0.0005 ND (0.0005) ND (0.0005 ND (0.0005) ND (0.0005) 1,2,4-Trichlorobenzen 0.07 ND (0.002) ND (0.002 ND (0.002) 1,2,4-Trimethylbenzene 0.016 5.1 ND (0.002) ND (0.002 ND (0.002) 1,2-Dibromo-3-chloropropane (DBCP) ND (0.002) ND (0.002) ND (0.002) UI ND (0.002) UI ND (0.002) ND (0.002) UI ND (0.002) ND (0.002) 0.0014 ND (0.002) 1.2-Dibromoethane (Ethylene dibromide) 0.00005 ND (0.002) 1,2-Dichlorobenzene 0.6 9.2 ND (0.0005) ND (0.0005 ND (0.0005) ND (0.0005) ND (0.0005) 1.2-Dichloroethane 0.005 0.031 ND (0.0005) 1,2-Dichloropropane 0.005 0.042 ND (0.0005) ND (0.0005) ND (0.0005) ND (0.0005) ND (0.0005) ND (0.0005) ND (0.0005 ND (0.0005) 1,3,5-Trimethylbenzen 0.016 ND (0.002) ND (0.002 ND (0.002) ND (0.002) ND (0.002) ND (0.002) ND (0.002) ND (0.002) 1,3-Dichlorobenzene 0.08 0.31 ND (0.0005) ND (0.0005) ND (0.0005 ND (0.0005 ND (0.0005) ND (0.0005) ND (0.0005 ND (0.0005) ND (0.0005) ND (0.0005 ND (0.0005) ND (0.0005 ND (0.0005) ND (0.0005) ND (0.0005) ND (0.0005) 1,3-Dichloropropane ND (0.0005) 1.4-Dichlorobenzene 0.075 0.12 ND (0.0005) 2.2-Dichloropropane ND (0.0005) ND (0.0005) ND (0.0005) ND (0.0005) ND (0.0005) ND (0.0005) UI ND (0.0005) ND (0.0005) ND (0.0005) ND (0.0005) ND (0.0005) ND (0.0005) UI ND (0.0005) ND (0.0005) ND (0.0005) ND (0.0005) 2-Butanone (Methyl ethyl ketone) (MEK) 8.4 61 ND (0.02) ND (0.02) U ND (0.02) U ND (0.02) UJ ND (0.02) UI ND (0.02) UJ ND (0.02) U ND (0.02) ND (0.02) ND (0.02) ND (0.002) 2-Chlorotoluene ND (0.002) 2-Hexanone ND (0.02) U ND (0.02) U ND (0.02) U ND (0.02) U ND (0.02) UI ND (0.02) ND (0.02) ND (0.02) ND (0.002) 2-Phenylbutane (sec-Butylbenzene) ND (0.002) 4-Chlorotoluene ND (0.002) 4-Methyl-2-pentanon (Methyl isobutyl ketone) (MIBK) 2.2 8.2 ND (0.02) UI ND (0.02) UI ND (0.02) UI ND (0.02) U ND (0.02) UI ND (0.02) UI ND (0.02) U ND (0.02) UI ND (0.02) ND (0.02) Acetone 69 ND (0.02) ND (0.02) 0.005 0.052 ND (0.0005) ND (0.0005) ND (0.0005) ND (0.0005) ND (0.0005) ND (0.0005) ND (0.0005 ND (0.0005) U ND (0.0005) Benzene ND (0.002) ND (0.002 ND (0.002) ND (0.002) ND (0.002) ND (0.002) ND (0.002) ND (0.002) Bromodichloromethan 0.08 0.08 ND (0.0005) ND (0.0005) ND (0.0005) ND (0.0005) ND (0.0005 ND (0.0005) ND (0.0005) ND (0.0005) ND (0.0005) ND (0.0005) ND (0.0005) ND (0.0005 ND (0.0005) ND (0.0005) ND (0.0005) ND (0.0005) Bromoform 0.08 0.36 ND (0.0005) ND (0.0005) ND (0.0005) ND (0.0005) UI ND (0.0005) 0.000381 ND (0.0005) ND (0.0005) Bromomethane (Methyl bromide) 0.011 0.14 ND (0.0005) ND (0.0005) ND (0.0005) U ND (0.0005) NID (0.0005) ND (0.0005) UI ND (0.0005) ND (0.0005) ND (0.0005) ND (0.0005 NID (0.0005) NID (0.0005) ND (0.0005) ND (0.0005) NID (0.0005) NID (0.0005) Carbon disulfide 1.3 ND (0.0005) Carbon tetrachloride 0.005 0.022 ND (0.0005) ND (0.0005 ND (0.0005) Chlorobenzene 0.1 Chlorobromomethan ND (0.0005 ND (0.0005) ND (0.0005) ND (0.0005 ND (0.0005) ND (0.0005 ND (0.0005 ND (0.0005) ND (0.0005) ND (0.0005) ND (0.0005) ND (0.0005 ND (0.0005) ND (0.0005 ND (0.0005) ND (0.0005) Chloroethane 0.062 0.99 ND (0.0005) ND (0.0005) ND (0.0005 ND (0.0005 ND (0.0005) ND (0.0005 ND (0.0005) ND (0.0005) ND (0.0005) ND (0.0005) Chloroform (Trichloromethane) ND (0.0005) ND (0.0005) 0.08 ND (0.0005) ND (0.0005) ND (0.0005 ND (0.0005) ND (0.0005 ND (0.0005) ND (0.0005) ND (0.0005 ND (0.0005) ND (0.0005) ND (0.0005) ND (0.0005) ND (0.0005) ND (0.0005) Chloromethane (Methyl chloride) ND (0.0005) U ND (0.0005) ND (0.0005) ND (0.0005) ND (0.0005) ND (0.0005) ND (0.0005) U ND (0.0005) ND (0.0005) ND (0.0005) ND (0.0005) U ND (0.0005) U ND (0.0005) ND (0.0005) ND (0.0005) ND (0.0005) cis-1,2-Dichloroethene 0.07 0.0024 0.0023 0.0083 0.0017 0.00097 0.0014 0.0014 0.00066 ND (0.0005) ND (0.0005 ND (0.0005) ND (0.0005) ND (0.0005) ND (0.0005) ND (0.0005) ND (0.0005) cis-1,3-Dichloropropene ND (0.0005 ND (0.0005) ND (0.0005 ND (0.0005) ND (0.0005 ND (0.0005) ND (0.0005) ND (0.0005) ND (0.0005) Cymene (p-Isopropyltoluene) ND (0.002) ND (0.002 ND (0.002) ND (0.002) ND (0.002) ND (0.002) ND (0.002) ND (0.002) ND (0.0005) ND (0.0005) ND (0.0005 ND (0.0005 ND (0.0005) ND (0.0005 ND (0.0005 ND (0.0005) ND (0.0005) ND (0.0005 ND (0.0005) ND (0.0005 ND (0.0005) 0.00017 ND (0.0005) ND (0.0005) Dibromochloromethan ND (0.0005) Dibromomethane Dichlorodifluoromethane (CFC-12) ND (0.0005) Ethylbenzene 0.7 ND (0.0005) Hexachlorobutadiene 0.011 0.031 ND (0.002) U ND (0.002) Isopropyl benzene 0.83 10 ND (0.002) ND (0.002) ND (0.002) ND (0.002) m&p-Xylene ND (0.0005) ND (0.0005) ND (0.0005) ND (0.0005 ND (0.0005) ND (0.0005 ND (0.0005 ND (0.0005) ND (0.0005) ND (0.0005 ND (0.0005) ND (0.0005 ND (0.0005) ND (0.0005 ND (0.0005) ND (0.0005) Methyl tert butyl ether (MTBE) 0.04 0.72 Methylene chloride 0.005 0.38 ND (0.002) 0.00022 I ND (0.002) ND (0.002) Naphthalene 0.0083 ND (0.002) ND (0.002) ND (0.002) 0.00012 I ND (0.002) U ND (0.002) U ND (0.002) U ND (0.002) N-Butvlbenzene ND (0.002) 0.31 4.1 ND (0.002) N-Propylbenzene ND (0.002) ND (0.0005) o-Xvlene ND (0.0005) ND (0.0005 ND (0.0005) ND (0.0005 ND (0.0005 ND (0.0005 ND (0.0005) ND (0.0005 ND (0.0005) ND (0.0005 ND (0.0005) ND (0.0005 ND (0.0005) ND (0.0005) Styrene tert-Butylbenzer ND (0.002) ND (0.002 ND (0.002) ND (0.002) ND (0.002) ND (0.002) ND (0.002) ND (0.002) 0.055 ND (0.0005) U 0.005 ND (0.0005) 0.00021 J 0.00015 J 0.00014 J 0.00023] 0.00014 J ND (0.0005) Tetrachloroethene ND (0.0005) ND (0.0005) ND (0.0005 ND (0.0005 ND (0.0005) U ND (0.0005) U ND (0.0005 ND (0.00054) U ND (0.0005) ND (0.0005) U 0.0002 J ND (0.0005) 0.00011 J ND (0.0005) ND (0.0005) ND (0.0005) Toluene 8.2 trans-1.2-Dichloroethene 0.000341 ND (0.0005) trans-1,3-Dichloropropene ND (0.0005 ND (0.00 ND (0.0005 ND (0.0005 ND (0.000 ND (0.0005 ND (0.0005 ND (0.0005 ND (0.0005 ND (0.0005 ND (0.0005 ND (0.000 ND (0.0005) 0.033al 0.029a 0.027al 0.033^{al} 0.034 at 0.038al 0.035at 0.042al 0.0058 0.0077° 0.0076ab 0.0078^{al} 0.01 ab 0.0091a 0.0066 0.0065 Trichloroethene 0.005 0.0072 Trichlorofluoromethane (CFC-11) ND (0.0005) ND (0.0005) ND (0.0005 ND (0.0005) ND (0.0005 ND (0.0005 ND (0.0005 ND (0.0005) UI ND (0.0005) ND (0.0005 ND (0.0005) ND (0.0005 ND (0.0005) ND (0.0005 ND (0.0005) ND (0.0005) Vinyl chloride 0.002 0.004 ND (0.0005) ND (0.0005 ND (0.0005)

Xylene (total)

TABLE 5.3 Page 23 of 44

Sample Location:			OB-33	OB-33	OB-33	OB-33	OB-33	OB-33	OB-33	OB-34	OB-34	OB-34	OB-34	OB-34	OB-34	OB-34	OB-34	OB-34
Sample ID:				GW-041108-JP-021	,	,	2 GW-040709-JP-055		GW-110209-JP-03			GW-111805-MG-078						6 GW-013008-NH-061
Sample Date: Sample Type:			1/29/2008	4/11/2008	9/25/2008	12/15/2008	4/7/2009	7/13/2009	11/2/2009	12/10/2004	7/29/2005	11/18/2005	11/18/2005 (Duplicate)	2/20/2006	4/27/2006	4/20/2007	11/8/2007	1/30/2008
Sumple Type.	IDEM RISC Defa	ult Closure Levels											(Dupitente)					
Parameters	Residential	Industrial																
Volatile Organic Compounds (mg/L)	а	b																
1,1,1,2-Tetrachloroethane	0.0069	0.11	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0025)	ND (0.005)	ND (0.0025)	ND (0.0025)	ND (0.005)	ND (0.01)	ND (0.005)	ND (0.0025)	ND (0.005)
1,1,1-Trichloroethane	0.2	29	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0025)	ND (0.005)	ND (0.0025)	ND (0.0025)	ND (0.005)	ND (0.01)	ND (0.005)	ND (0.0025)	ND (0.005)
1,1,2,2-Tetrachloroethane	0.0009	0.014	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0025)	ND (0.005)	ND (0.0025)	ND (0.0025)	ND (0.005)	ND (0.01)	ND (0.005)	ND (0.0025)	ND (0.005)
1,1,2-Trichloroethane	0.005	0.05	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0025)	ND (0.005)	ND (0.0025)	ND (0.0025)	ND (0.005)	ND (0.01)	ND (0.005)	ND (0.0025)	ND (0.005)
1,1-Dichloroethane	0.99	10	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0025)	ND (0.005)	ND (0.0025)	ND (0.0025)	ND (0.005)	ND (0.01)	ND (0.005)	ND (0.0025)	ND (0.005)
1,1-Dichloroethene	0.007	5.1	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0025)	ND (0.005)	ND (0.0025)	ND (0.0025)	ND (0.005)	ND (0.01)	ND (0.005)	ND (0.0025)	ND (0.005)
1,1-Dichloropropene 1,2,3-Trichlorobenzene	*	*	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002) UJ	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0025) ND (0.01)	ND (0.005) ND (0.02)	ND (0.0025) ND (0.01)	ND (0.0025) ND (0.01)	ND (0.005) ND (0.02)	ND (0.01) ND (0.04)	ND (0.005) ND (0.02)	ND (0.0025) ND (0.01)	ND (0.005) ND (0.02)
1,2,3-Trichloropropane	*	*	ND (0.002)	ND (0.002)	ND (0.002) C)	ND (0.0005)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.0025)	ND (0.005)	ND (0.0025)	ND (0.0025)	ND (0.02)	ND (0.01)	ND (0.005)	ND (0.0025)	ND (0.005)
1,2,4-Trichlorobenzene	0.07	1	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.01)	ND (0.02)	ND (0.01)	ND (0.01)	ND (0.02)	ND (0.04)	ND (0.02)	ND (0.01)	ND (0.02)
1,2,4-Trimethylbenzene	0.016	5.1	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.01)	ND (0.02)	ND (0.01)	ND (0.01)	ND (0.02)	ND (0.04)	ND (0.02)	ND (0.01)	ND (0.02)
1,2-Dibromo-3-chloropropane (DBCP)	*	*	ND (0.002)	R	ND (0.002) UJ	ND (0.002)	ND (0.002)	R	ND (0.002)	ND (0.01)	ND (0.02)	ND (0.01)	ND (0.01)	ND (0.02)	ND (0.04)	ND (0.02) UJ	ND (0.01)	ND (0.02)
1,2-Dibromoethane (Ethylene dibromide)	0.00005	0.0014	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.01)	ND (0.02)	ND (0.01)	ND (0.01)	ND (0.02)	ND (0.04)	ND (0.02)	ND (0.01)	ND (0.02)
1,2-Dichlorobenzene	0.6	9.2	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0025)	ND (0.005)	ND (0.0025)	ND (0.0025)	ND (0.005)	ND (0.01)	ND (0.005)	ND (0.0025)	ND (0.005)
1,2-Dichloroethane 1,2-Dichloropropane	0.005 0.005	0.031 0.042	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0025) ND (0.0025)	ND (0.005) ND (0.005)	ND (0.0025) ND (0.0025)	ND (0.0025) ND (0.0025)	ND (0.005) ND (0.005)	ND (0.01) ND (0.01)	ND (0.005) ND (0.005)	ND (0.0025) ND (0.0025)	ND (0.005) ND (0.005)
1,3,5-Trimethylbenzene	0.005	0.042 5.1	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0025) ND (0.01)	ND (0.005) ND (0.02)	ND (0.0025) ND (0.01)	ND (0.0025) ND (0.01)	ND (0.005) ND (0.02)	ND (0.01) ND (0.04)	ND (0.005) ND (0.02)	ND (0.0025) ND (0.01)	ND (0.005) ND (0.02)
1,3-Dichlorobenzene	0.08	0.31	ND (0.005)	ND (0.005)	ND (0.002)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.002)	ND (0.0025)	ND (0.005)	ND (0.0025)	ND (0.0025)	ND (0.005)	ND (0.01)	ND (0.005)	ND (0.0025)	ND (0.005)
1,3-Dichloropropane	*	*	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0025)	ND (0.005)	ND (0.0025)	ND (0.0025)	ND (0.005)	ND (0.01)	ND (0.005)	ND (0.0025)	ND (0.005)
1,4-Dichlorobenzene	0.075	0.12	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0025)	ND (0.005)	ND (0.0025)	ND (0.0025)	ND (0.005)	ND (0.01)	ND (0.005)	ND (0.0025)	ND (0.005)
2,2-Dichloropropane	*	*	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0025)	ND (0.005)	ND (0.0025)	ND (0.0025)	ND (0.005) UJ	ND (0.01)	ND (0.005)	ND (0.0025)	ND (0.005)
2-Butanone (Methyl ethyl ketone) (MEK)	8.4	61	ND (0.02)	R	R	R	R	R	R	ND (0.1) UJ	ND (0.2) UJ	ND (0.1) UJ	ND (0.1) UJ	ND (0.2) UJ	ND (0.4) UJ	ND (0.2) UJ	ND (0.1)	ND (0.2)
2-Chlorotoluene 2-Hexanone	*	*	ND (0.002) ND (0.02)	ND (0.002) R	ND (0.002) ND (0.02)	ND (0.002) ND (0.02)	ND (0.002) ND (0.02)	ND (0.002) R	ND (0.002) ND (0.02)	ND (0.01) ND (0.1) UJ	ND (0.02) ND (0.2) UJ	ND (0.01) ND (0.1) UJ	ND (0.01) ND (0.1) UJ	ND (0.02) ND (0.2) UJ	ND (0.04) ND (0.4) UJ	ND (0.02) ND (0.2)	ND (0.01) ND (0.1)	ND (0.02) ND (0.2)
2-Phenylbutane (sec-Butylbenzene)	*	*	ND (0.02)	ND (0.002)	ND (0.02)	ND (0.02)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.1) (0) ND (0.01)	ND (0.02)	ND (0.1) (0)	ND (0.1) (0)	ND (0.2) (0.02)	ND (0.4) (0)	ND (0.2)	ND (0.1)	ND (0.2)
4-Chlorotoluene	*	*	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.01)	ND (0.02)	ND (0.01)	ND (0.01)	ND (0.02)	ND (0.04)	ND (0.02)	ND (0.01)	ND (0.02)
4-Methyl-2-pentanone			, ,	` ,	,	()	,	,	, ,	, ,	,	, ,	,	` ,	, ,	, ,	,	, ,
(Methyl isobutyl ketone) (MIBK)	2.2	8.2	ND (0.02)	ND (0.02)	R	R	R	R	R	ND (0.1)	ND (0.2)	ND (0.1) UJ	ND (0.1) UJ	ND (0.2)	ND (0.4) UJ	ND (0.2)	ND (0.1)	ND (0.2)
Acetone	6.9	92	ND (0.02)	R	R	R	R	R	R	ND (0.1) UJ	ND (0.2) UJ	ND (0.1) UJ	ND (0.1) UJ	ND (0.2) UJ	ND (0.4) UJ	ND (0.2)	ND (0.1)	ND (0.2)
Benzene	0.005	0.052	ND (0.0005)	ND (0.0005)	ND (0.0005) U	0.00005 J	0.00005 J	ND (0.0005)	ND (0.0005) U	ND (0.0025)	ND (0.005)	ND (0.0025)	ND (0.0025)	ND (0.005)	ND (0.01)	ND (0.005)	ND (0.0025)	ND (0.005)
Bromobenzene Bromodichloromethane	0.08	0.08	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.01) ND (0.0025)	ND (0.02) ND (0.005)	ND (0.01) ND (0.0025)	ND (0.01) ND (0.0025)	ND (0.02) ND (0.005)	ND (0.04) ND (0.01)	ND (0.02) ND (0.005)	ND (0.01) ND (0.0025)	ND (0.02) ND (0.005)
Bromoform	0.08	0.36	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0025)	ND (0.005)	ND (0.0025)	ND (0.0025)	ND (0.005)	ND (0.01)	ND (0.005)	ND (0.0025)	ND (0.005)
Bromomethane (Methyl bromide)	0.011	0.14	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0025)	ND (0.005)	ND (0.0025)	ND (0.0025)	ND (0.005)	ND (0.01)	ND (0.005)	ND (0.0025)	ND (0.005)
Carbon disulfide	1.3	10	ND (0.0005)	ND (0.0005)	ND (0.0005)	0.00008 J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0025)	ND (0.005)	ND (0.0025)	ND (0.0025)	ND (0.005)	ND (0.01)	ND (0.005)	ND (0.0025)	ND (0.005)
Carbon tetrachloride	0.005	0.022	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0025)	ND (0.005)	ND (0.0025) UJ	ND (0.0025) UJ	ND (0.005)	ND (0.01)	ND (0.005)	ND (0.0025)	ND (0.005)
Chlorobenzene	0.1	2	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0025)	ND (0.005)	ND (0.0025)	ND (0.0025)	ND (0.005)	ND (0.01)	ND (0.005)	ND (0.0025)	ND (0.005)
Chlorobromomethane	*	*	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0025)	ND (0.005)	ND (0.0025)	ND (0.0025)	ND (0.005)	ND (0.01)	ND (0.005)	ND (0.0025)	ND (0.005)
Chloroethane Chloroform (Trichloromethane)	0.062 0.08	0.99	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0025) ND (0.0025)	ND (0.005) ND (0.005)	ND (0.0025) ND (0.0025)	ND (0.0025) ND (0.0025)	ND (0.005) ND (0.005)	ND (0.01) ND (0.01)	ND (0.005) ND (0.005)	ND (0.0025) ND (0.0025)	ND (0.005) ND (0.005)
Chloromethane (Methyl chloride)	v.uo *	*	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) ND (0.0005) U	ND (0.0005)	ND (0.0005) ND (0.0005) U	ND (0.0005)	ND (0.0025) ND (0.0025)	ND (0.005)	ND (0.0025)	ND (0.0025)	ND (0.005) ND (0.005)	ND (0.01) ND (0.01)	ND (0.005)	ND (0.0025) ND (0.0025)	ND (0.005)
cis-1,2-Dichloroethene	0.07	1	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	0.14 ^a	0.16 ^a	0.16 ^a	0.15 ^a	0.17 ^a	0.26ª	0.18 ^a	0.13 ^a	0.25 J ^a
cis-1,3-Dichloropropene	*	*	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0025)	ND (0.005)	ND (0.0025)	ND (0.0025)	ND (0.005)	ND (0.01)	ND (0.005)	ND (0.0025)	ND (0.005)
Cymene (p-Isopropyltoluene)	*	*	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.01)	ND (0.02)	ND (0.01)	ND (0.01)	ND (0.02)	ND (0.04)	ND (0.02)	ND (0.01)	ND (0.02)
Dibromochloromethane	*	*	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0025)	ND (0.005)	ND (0.0025)	ND (0.0025)	ND (0.005)	ND (0.01)	ND (0.005)	ND (0.0025)	ND (0.005)
Dibromomethane	*	*	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0025)	ND (0.005)	ND (0.0025)	ND (0.0025)	ND (0.005)	ND (0.01)	ND (0.005)	ND (0.0025)	ND (0.005)
Dichlorodifluoromethane (CFC-12)	*	*	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)	ND (0.0025)	ND (0.005)	ND (0.0025)	ND (0.0025)	ND (0.005)	ND (0.01) UJ	ND (0.005)	ND (0.0025)	ND (0.005)
Ethylbenzene Hayashlarahutadiana	0.7 0.011	10	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0025)	ND (0.005)	ND (0.0025)	ND (0.0025)	ND (0.005)	ND (0.01)	ND (0.005)	ND (0.0025)	ND (0.005)
Hexachlorobutadiene Isopropyl benzene	0.011	0.031 10	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.01) ND (0.01)	ND (0.02) ND (0.02)	ND (0.01) ND (0.01)	ND (0.01) ND (0.01)	ND (0.02) ND (0.02)	ND (0.04) ND (0.04)	ND (0.02) ND (0.02)	ND (0.01) ND (0.01)	ND (0.02) ND (0.02)
m&p-Xylene	*	*	ND (0.002) ND (0.0005)	ND (0.002)	ND (0.002)	ND (0.0005)	ND (0.002)	ND (0.0005)	ND (0.002)	ND (0.0025)	ND (0.02) ND (0.005)	ND (0.0025)	ND (0.0025)	ND (0.005)	ND (0.04) ND (0.01)	ND (0.02)	ND (0.0025)	ND (0.005)
Methyl tert butyl ether (MTBE)	0.04	0.72	- (0.0000)	-	- (0.0000)	-	-	-	-	-	- (0.000)	- (0.0020)	- (0.0020)	- (0.000)	(0.01)	- (0.000)	-	-
Methylene chloride	0.005	0.38	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.01)	ND (0.02)	ND (0.01)	ND (0.01)	0.0027 J	ND (0.04)	0.0044 J	ND (0.01)	ND (0.02)
Naphthalene	0.0083	2	ND (0.002)	ND (0.002)	ND (0.002) UJ	ND (0.002)	ND (0.002) UJ	ND (0.002)	ND (0.002)	ND (0.01)	ND (0.02)	ND (0.01)	ND (0.01)	ND (0.02)	ND (0.04)	ND (0.02)	ND (0.01)	ND (0.02)
N-Butylbenzene	*	*	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.01)	ND (0.02)	ND (0.01)	ND (0.01)	ND (0.02)	ND (0.04)	ND (0.02)	ND (0.01)	ND (0.02)
N-Propylbenzene	0.31	4.1	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.01)	ND (0.02)	ND (0.01)	ND (0.01)	ND (0.02)	ND (0.04)	ND (0.02)	ND (0.01)	ND (0.02)
o-Xylene Styrene	0.1	20	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0025) ND (0.0025)	ND (0.005) ND (0.005)	ND (0.0025) ND (0.0025)	ND (0.0025) ND (0.0025)	ND (0.005) ND (0.005)	ND (0.01) 0.0022 J	ND (0.005) ND (0.005)	ND (0.0025) ND (0.0025)	ND (0.005) ND (0.005)
tert-Butylbenzene	*	*	ND (0.003)	ND (0.003) ND (0.002)	ND (0.0003) ND (0.002)	ND (0.0003) ND (0.002)	ND (0.0003) ND (0.002)	ND (0.0003) ND (0.002)	ND (0.003)	ND (0.0023) ND (0.01)	ND (0.005)	ND (0.0025) ND (0.01)	ND (0.0025) ND (0.01)	ND (0.005) ND (0.02)	ND (0.04)	ND (0.003) ND (0.02)	ND (0.0025) ND (0.01)	ND (0.003)
Tetrachloroethene	0.005	0.055	0.00023 J	0.00023 J	ND (0.005)	0.00008 J	0.00009 I	0.00018 J	0.0001 J	0.089 ^{ab}	0.092 ^{ab}	0.082 ^{ab}	0.079 ^{ab}	0.094 ^{ab}	0.17 ^{ab}	0.095 ^{ab}	0.084 ^{ab}	0.14 ^{ab}
Toluene	1	8.2	ND (0.0005)	ND (0.0005)	ND (0.0005) U	0.00009 J	0.00032 J	ND (0.0005)	ND (0.0005) U	ND (0.0025)	ND (0.005)	ND (0.0025)	ND (0.0025)	ND (0.005)	ND (0.01)	ND (0.005)	ND (0.0025)	ND (0.005)
trans-1,2-Dichloroethene	0.1	2	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	0.0017 J	0.0037 J	0.0032	0.003	0.0025 J	0.0032 J	0.0061	0.011	0.008 J
trans-1,3-Dichloropropene	*	*	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0025)	ND (0.005)	ND (0.0025)	ND (0.0025)	ND (0.005)	ND (0.01)	ND (0.005)	ND (0.0025)	ND (0.005)
Trichloroethene	0.005	0.0072	0.0079 ^{ab}	0.01 ^{ab}	0.014 ^{ab}	0.015 ^{ab}	0.018 ^{ab}	0.018 ^{ab}	0.015 ^{ab}	1.3 ^{ab}	1.8 ^{ab}	2 ^{ab}	2.1 ^{ab}	2.8 ^{ab}	5.5 ^{ab}	1.9 ^{ab}	1.4 ^{ab}	4.4 ^{ab}
Trichlorofluoromethane (CFC-11)	*	*	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ	ND (0.0025)	ND (0.005)	ND (0.0025)	ND (0.0025)	ND (0.005)	ND (0.01)	ND (0.005)	ND (0.0025)	ND (0.005)
Vinyl chloride	0.002	0.004	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0025)	ND (0.005)	ND (0.0025)	ND (0.0025)	ND (0.005)	ND (0.01)	ND (0.005)	ND (0.0025)	0.0063 ^{ab}

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SUMMARY OF PHASE IIB RFI GROUNDWATER VOC ANALYTICAL DATA - OVERBURDEN WELLS RADIO MATERIALS CORPORATION ATTICA, INDIANA

Sample Location:			OB-34	OB-34	OB-34	OB-34	OB-34	OB-34	OB-34	OB-35	OB-35	OB-35	OB-35	OB-35	OB-35	OB-35	OB-35	OB-36	OB-36
Sample ID: Sample Date:			GW-041008-JP-019 4/10/2008	GW-092508-JP-049 9/25/2008	GW-121508-JP-055 12/15/2008	GW-121508-JP-056 12/15/2008	GW-040609-JP-049 4/6/2009	GW-071509-TP-138 7/15/2009	GW-103009-JP-027 10/30/2009	GW-120204-MG-008 12/2/2004	GW-080305-TP-043 8/3/2005	GW-111605-MG-059 11/16/2005	2/14/2006	GW-050106-NRS-044 5/1/2006	GW-071309-TP-121 7/13/2009	GW-102909-JP-021 10/29/2009	GW-102909-JP-022 10/29/2009	GW-120604-MG-023 12/6/2004	GW-072605-TP-008 7/26/2005
Sample Type:			410,2000	3,23,2000	12/15/2000	(Duplicate)	492000	1,13,2003	19,59,2005	1442001	cy	14142000	2,1,12000	3, 1, 2000	7,13,2003	10, 23, 2003	(Duplicate)	12,0,2001	7,20,2000
Danasartana	IDEM RISC Defau Residential	ult Closure Levels Industrial																	
Parameters	a	maustriai b																	
Volatile Organic Compounds (mg/L)																			
1,1,1,2-Tetrachloroethane 1,1,1-Trichloroethane	0.0069 0.2	0.11 29	ND (0.005) ND (0.005)	ND (0.0025) ND (0.0025) UJ	ND (0.0025) ND (0.0025)	ND (0.0025) ND (0.0025)	ND (0.0013) ND (0.0013)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)
1,1,2,2-Tetrachloroethane	0.0009	0.014	ND (0.005)	ND (0.0025) UJ	ND (0.0025)	ND (0.0025)	ND (0.0013)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,1,2-Trichloroethane	0.005	0.05	ND (0.005)	ND (0.0025)	ND (0.0025)	ND (0.0025)	ND (0.0013)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,1-Dichloroethane	0.99	10	ND (0.005)	ND (0.0025)	ND (0.0025)	ND (0.0025)	ND (0.0013)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,1-Dichloroethene 1,1-Dichloropropene	0.007	5.1 *	ND (0.005) ND (0.005)	ND (0.0025) ND (0.0025)	ND (0.0025) ND (0.0025)	ND (0.0025) ND (0.0025)	ND (0.0013) ND (0.0013)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)
1,2,3-Trichlorobenzene	*	*	ND (0.02)	ND (0.01) UJ	ND (0.01)	ND (0.01)	ND (0.005)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
1,2,3-Trichloropropane	*	*	ND (0.005)	ND (0.0025)	ND (0.0025)	ND (0.0025)	ND (0.0013)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,2,4-Trichlorobenzene	0.07	1	ND (0.02)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.005)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
1,2,4-Trimethylbenzene 1,2-Dibromo-3-chloropropane (DBCP)	0.016	5.1 *	ND (0.02) R	ND (0.01) ND (0.01) UJ	ND (0.01) ND (0.01)	ND (0.01) ND (0.01)	ND (0.005) R	ND (0.002) R	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002) UJ	ND (0.002) ND (0.002)	ND (0.002) R	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)
1,2-Dibromoethane (Ethylene dibromide)	0.00005	0.0014	ND (0.02)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.005)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
1,2-Dichlorobenzene	0.6	9.2	ND (0.005)	ND (0.0025)	ND (0.0025)	ND (0.0025)	ND (0.0013)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,2-Dichloroethane	0.005	0.031	ND (0.005)	ND (0.0025)	ND (0.0025)	ND (0.0025)	ND (0.0013)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,2-Dichloropropane 1,3,5-Trimethylbenzene	0.005 0.016	0.042 5.1	ND (0.005) ND (0.02)	ND (0.0025) ND (0.01)	ND (0.0025) ND (0.01)	ND (0.0025) ND (0.01)	ND (0.0013) ND (0.005)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)
1,3-Dichlorobenzene	0.08	0.31	ND (0.005)	ND (0.0025)	ND (0.0025)	ND (0.0025)	ND (0.003)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.005)
1,3-Dichloropropane	*	*	ND (0.005)	ND (0.0025)	ND (0.0025)	ND (0.0025)	ND (0.0013)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,4-Dichlorobenzene	0.075	0.12	ND (0.005)	ND (0.0025)	ND (0.0025)	ND (0.0025)	ND (0.0013)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
2,2-Dichloropropane 2-Butanone (Methyl ethyl ketone) (MEK)	8.4	61	ND (0.005)	ND (0.0025) R	ND (0.0025) R	ND (0.0025) R	ND (0.0013) R	ND (0.0005) R	ND (0.0005) R	ND (0.0005) ND (0.02) UJ	ND (0.0005) ND (0.02) UJ	ND (0.0005) ND (0.02) UJ	ND (0.0005) UJ ND (0.02) UJ	ND (0.0005) ND (0.02) UJ	ND (0.0005) R	ND (0.0005) R	ND (0.0005) R	ND (0.0005) ND (0.02) UJ	ND (0.0005) ND (0.02) UJ
2-Chlorotoluene	*	*	ND (0.02)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.005)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
2-Hexanone	*	*	R	ND (0.1)	ND (0.1)	ND (0.1)	R	R	ND (0.02)	ND (0.02) ÚJ	ND (0.02) ÚJ	ND (0.02) ÚJ	ND (0.02) ÚJ	ND (0.02)	R	ND (0.02)	ND (0.02)	ND (0.02) ÚJ	ND (0.02) ÚJ
2-Phenylbutane (sec-Butylbenzene)	*	*	ND (0.02)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.005)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
4-Chlorotoluene 4-Methyl-2-pentanone	•	•	ND (0.02)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.005)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
(Methyl isobutyl ketone) (MIBK)	2.2	8.2	ND (0.2)	R	R	R	R	R	R	ND (0.02)	ND (0.02)	ND (0.02) UJ	ND (0.02) UJ	ND (0.02) UJ	R	R	R	ND (0.02)	ND (0.02) UJ
Acetone	6.9	92	R	R	R	R	R	R	R	ND (0.02) UJ	ND (0.02) UJ	ND (0.02) UJ	ND (0.02) UJ	ND (0.02) UJ	R	R	R	ND (0.02) UJ	ND (0.02) UJ
Benzene	0.005	0.052	ND (0.005)	ND (0.0025) U	ND (0.0025)	0.00025 J	ND (0.0013)	ND (0.0005)	ND (0.0005) U	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) U	ND (0.0005) U	ND (0.0005)	ND (0.0005)
Bromobenzene Bromodichloromethane	0.08	0.08	ND (0.02) ND (0.005)	ND (0.01) ND (0.0025)	ND (0.01) ND (0.0025)	ND (0.01) ND (0.0025)	ND (0.005) ND (0.0013)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)
Bromoform	0.08	0.36	ND (0.005)	ND (0.0025)	ND (0.0025)	ND (0.0025)	ND (0.0013)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Bromomethane (Methyl bromide)	0.011	0.14	ND (0.005) UJ	ND (0.0025)	ND (0.0025)	ND (0.0025)	ND (0.0013)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ
Carbon disulfide	1.3 0.005	10 0.022	ND (0.005)	ND (0.0025)	ND (0.0025) UJ	ND (0.0025) UJ	ND (0.0013)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) U	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Carbon tetrachloride Chlorobenzene	0.005	0.022	ND (0.005) ND (0.005)	ND (0.0025) UJ ND (0.0025)	ND (0.0025) ND (0.0025)	ND (0.0025) ND (0.0025)	ND (0.0013) ND (0.0013)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) UJ ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)
Chlorobromomethane	*	*	ND (0.005)	ND (0.0025)	ND (0.0025)	ND (0.0025)	ND (0.0013)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Chloroethane	0.062	0.99	ND (0.005)	ND (0.0025)	ND (0.0025)	ND (0.0025)	ND (0.0013)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Chloroform (Trichloromethane)	0.08	1	ND (0.005)	ND (0.0025)	ND (0.0025)	ND (0.0025)	ND (0.0013)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Chloromethane (Methyl chloride) cis-1,2-Dichloroethene	0.07	1	ND (0.005) 0.78 ^a	ND (0.0025) 0.14 ^a	ND (0.0025) 0.07	ND (0.0025) 0.07	ND (0.0013) 0.042	ND (0.0005) U 0.012	ND (0.0005) 0.01	ND (0.0005) ND (0.0005)	ND (0.0005) UJ ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) U ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) 0.012	ND (0.0005) 0.013
cis-1,3-Dichloropropene	*	*	ND (0.005)	ND (0.0025)	ND (0.0025)	ND (0.0025)	ND (0.0013)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Cymene (p-Isopropyltoluene)	*	*	ND (0.02)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.005)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
Dibromochloromethane	*	*	ND (0.005)	ND (0.0025)	ND (0.0025)	ND (0.0025)	ND (0.0013)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Dibromomethane Dichlorodifluoromethane (CFC-12)	*	*	ND (0.005) ND (0.005)	ND (0.0025) ND (0.0025)	ND (0.0025) ND (0.0025)	ND (0.0025) ND (0.0025)	ND (0.0013) ND (0.0013)	ND (0.0005) ND (0.0005) UJ	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005) UJ	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)
Ethylbenzene	0.7	10	ND (0.005)	ND (0.0025)	ND (0.0025)	ND (0.0025)	ND (0.0013)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Hexachlorobutadiene	0.011	0.031	ND (0.02)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.005)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
Isopropyl benzene	0.83	10	ND (0.02)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.005)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
m&p-Xylene Methyl tert butyl ether (MTBE)	0.04	0.72	ND (0.005)	ND (0.0025)	ND (0.0025)	ND (0.0025)	ND (0.0013)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Methylene chloride	0.005	0.72	0.0022 J	ND (0.01)	0.0022 J	0.002 J	ND (0.005)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
Naphthalene	0.0083	2	ND (0.02)	ND (0.01) UJ	ND (0.01)	ND (0.01)	ND (0.005)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
N-Butylbenzene	*	*	ND (0.02)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.005)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
N-Propylbenzene o-Xylene	0.31	4.1	ND (0.02) ND (0.005)	ND (0.01) ND (0.0025)	ND (0.01) ND (0.0025)	ND (0.01) ND (0.0025)	ND (0.005) ND (0.0013)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)
Styrene	0.1	20	ND (0.005)	ND (0.0025)	ND (0.0025)	ND (0.0025)	ND (0.0013)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
tert-Butylbenzene	*	*	ND (0.02)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.005)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
Tetrachloroethene	0.005	0.055	0.14 ^{ab}	0.091 ^{ab}	0.076 ^{ab}	0.077 ^{ab}	0.065 ^{ab}	0.063 ^{ab}	0.068 ^{ab}	0.00048 J	0.0007	0.00047 J	0.00063	0.00061	0.00024 J	0.00035 J	0.00041 J	0.098 ^{ab}	0.088 ^{ab}
Toluene	1	8.2	ND (0.005)	ND (0.0025)	ND (0.0025)	ND (0.0025)	0.00053 J	ND (0.0005) U	0.00066	0.00022 J	ND (0.0005) U	ND (0.0005) U	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) U	ND (0.0005) U	ND (0.0005)	0.00013 J
trans-1,2-Dichloroethene trans-1,3-Dichloropropene	0.1	2	0.023 ND (0.005)	0.0067 ND (0.0025)	0.0043 ND (0.0025)	0.005 ND (0.0025)	0.0022 ND (0.0013)	0.00027 J ND (0.0005)	0.00014 J ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005) UJ	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)
Trichloroethene	0.005	0.0072	2.7 ^{ab}	1 ^{ab}	0.86 ^{ab}	0.88 ^{ab}	0.68 ^{ab}	0.34 ^{ab}	0.31 ^{ab}	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	0.031 ^{ab}	0.043 ^{ab}
Trichlorofluoromethane (CFC-11)	*	*	ND (0.005)	ND (0.0025) UJ	ND (0.0025)	ND (0.0025)	ND (0.0013)	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)
Vinyl chloride	0.002	0.004	0.0008 J	ND (0.0025)	ND (0.0025)	ND (0.0025)	ND (0.0013)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)

Xylene (total)

TABLE 5.3
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Sample Location:			OB-36	OB-36	OB-36	OB-36	OB-36	OB-36	OB-36	OB-36	OB-36	OB-36	OB-36	OB-36	OB-36	OB-37	OB-37	OB-37
Sample ID:					GW-020706-MG-007		GW-041907-NH-038			GW-040808-JP-006	,	,	,	0 GW-070809-TP-104	,		9 GW-072605-TP-007	
Sample Date: Sample Type:			11/8/2005	2/7/2006	2/7/2006 (Duplicate)	5/5/2006	4/19/2007	10/31/2007	1/22/2008	4/8/2008	9/16/2008	12/2/2008	4/2/2009	7/8/2009	10/29/2009	12/6/2004	7/26/2005	11/8/2005
oumpie Type.	IDEM RISC Defa	ult Closure Levels			(Dupitente)													
Parameters	Residential	Industrial																
Volatile Organic Compounds (mg/L)	и	ь																
1,1,1,2-Tetrachloroethane	0.0069	0.11	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,1,1-Trichloroethane	0.2	29	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,1,2,2-Tetrachloroethane	0.0009	0.014	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,1,2-Trichloroethane 1,1-Dichloroethane	0.005 0.99	0.05 10	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)
1.1-Dichloroethane	0.007	5.1	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,1-Dichloropropene	*	*	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,2,3-Trichlorobenzene	*	*	ND (0.002)	ND (0.002)	0.00096 J	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002) UJ	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
1,2,3-Trichloropropane	*	*	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,2,4-Trichlorobenzene	0.07	1	ND (0.002)	ND (0.002)	0.00049 J	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
1,2,4-Trimethylbenzene	0.016	5.1	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
1,2-Dibromo-3-chloropropane (DBCP)	*	*	ND (0.002) UJ	ND (0.002) UJ	ND (0.002) UJ	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	R	ND (0.002) UJ	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002) UJ
1,2-Dibromoethane (Ethylene dibromide)	0.00005	0.0014	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
1,2-Dichlorobenzene	0.6	9.2	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,2-Dichloroethane 1,2-Dichloropropane	0.005 0.005	0.031 0.042	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)
1,3,5-Trimethylbenzene	0.016	5.1	ND (0.003)	ND (0.0005) ND (0.002)	ND (0.003)	ND (0.003) ND (0.002)	ND (0.0003) ND (0.002)	ND (0.0003) ND (0.002)	ND (0.0003) ND (0.002)	ND (0.003) ND (0.002)	ND (0.0003) ND (0.002)	ND (0.003)	ND (0.003) ND (0.002)	ND (0.0003) ND (0.002)	ND (0.003) ND (0.002)	ND (0.003) ND (0.002)	ND (0.0003) ND (0.002)	ND (0.003)
1,3-Dichlorobenzene	0.08	0.31	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
1,3-Dichloropropane	*	*	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,4-Dichlorobenzene	0.075	0.12	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
2,2-Dichloropropane	*	*	ND (0.0005)	ND (0.0005) UJ	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
2-Butanone (Methyl ethyl ketone) (MEK)	8.4	61	ND (0.02) UJ	ND (0.02) UJ	ND (0.02) UJ	ND (0.02) UJ	ND (0.02)	ND (0.02)	ND (0.02)	R	R	R	R	R	R	ND (0.02) UJ	ND (0.02) UJ	ND (0.02) UJ
2-Chlorotoluene	*	*	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
2-Hexanone	*	*	ND (0.02) UJ	ND (0.02) UJ	ND (0.02) UJ	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	R	ND (0.02)	ND (0.02)	ND (0.02)	R	ND (0.02)	ND (0.02) UJ	ND (0.02) UJ	ND (0.02) UJ
2-Phenylbutane (sec-Butylbenzene) 4-Chlorotoluene	*	*	ND (0.002) ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002)	ND (0.002) ND (0.002)	ND (0.002)
4-Methyl-2-pentanone			ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
(Methyl isobutyl ketone) (MIBK)	2.2	8.2	ND (0.02) UJ	ND (0.02) UJ	ND (0.02) UJ	ND (0.02) UJ	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	R	R	ND (0.02)	R	ND (0.02)	ND (0.02) UJ	ND (0.02) UJ
Acetone	6.9	92	ND (0.02) UJ	ND (0.02) UJ	ND (0.02) UJ	ND (0.02) UJ	ND (0.02)	ND (0.02)	ND (0.02)	R	R	R	R	ND (0.02)	R	ND (0.02) UI	ND (0.02) UJ	ND (0.02) UJ
Benzene	0.005	0.052	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) U	ND (0.0005)	ND (0.0005)	ND (0.0005) U	ND (0.0005)	ND (0.0005)	ND (0.0005)
Bromobenzene	*	*	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
Bromodichloromethane	0.08	0.08	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	0.0003 J	0.00038 J	0.00029 J	0.00042 J	0.0012	0.0011	0.00032 J	0.00045 J	ND (0.0005)	ND (0.0005)	ND (0.0005)
Bromoform	0.08	0.36	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ	0.00042 J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ
Bromomethane (Methyl bromide)	0.011	0.14	ND (0.0005)	ND (0.0005) UJ	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)
Carbon disulfide	1.3	10 0.022	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005)	0.0002 J	ND (0.0005)
Carbon tetrachloride Chlorobenzene	0.005 0.1	0.022	ND (0.0005) ND (0.0005)	ND (0.0005) UJ ND (0.0005)	ND (0.0005) UJ ND (0.0005)	ND (0.0005) UJ ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)
Chlorobromomethane	*	*	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	0.00013 J	0.00021 J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ
Chloroethane	0.062	0.99	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Chloroform (Trichloromethane)	0.08	1	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	0.00041 J	0.00046 J	0.00028 J	0.00074	0.0014	0.0011	0.00041 J	0.00091	ND (0.0005)	ND (0.0005)	ND (0.0005)
Chloromethane (Methyl chloride)	*	*	ND (0.0005)	ND (0.0005)	0.00014 J	ND (0.0005)	ND (0.0005)	ND (0.0005) U	ND (0.0005)	ND (0.0005)	ND (0.0005)	0.00009 J	ND (0.0005)	ND (0.0005) U	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
cis-1,2-Dichloroethene	0.07	1	0.016	0.021	0.02	0.014	0.0097	0.0074	0.0054	0.0055	0.0038	0.0032	0.0027	0.0025	0.0014	ND (0.0005)	ND (0.0005)	ND (0.0005)
cis-1,3-Dichloropropene	*	*	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Cymene (p-Isopropyltoluene)	*	*	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
Dibromochloromethane	*	*	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ	0.00022 J	ND (0.0005)	0.00012 J	0.00016 J	ND (0.0005)	0.00023 J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Dibromomethane	*	*	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	0.00017 J	0.00017 J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Dichlorodifluoromethane (CFC-12)	*	*	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Ethylbenzene Hexachlorobutadiene	0.7 0.011	10 0.031	ND (0.0005) UJ	ND (0.0005)	ND (0.0005) ND (0.002) U	ND (0.0005)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002) UJ	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005)	ND (0.0005) UJ
Isopropyl benzene	0.011	10	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) U ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) UJ ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)
m&p-Xylene	*	*	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002) ND (0.0005)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002) ND (0.0005)	ND (0.002)	ND (0.002)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005) UJ
Methyl tert butyl ether (MTBE)	0.04	0.72	-	-	-	- (5.0000)	-	-	-	- (0.0000)	-	-	-	-	-	-	-	-
Methylene chloride	0.005	0.38	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002) U	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	0.00017 J	0.00039 J	ND (0.002)	ND (0.002)	ND (0.002)
Naphthalene	0.0083	2	ND (0.002)	ND (0.002)	0.00073 J	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	0.00013 J	ND (0.002) UJ	ND (0.002)	ND (0.002) U	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
N-Butylbenzene	*	*	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
N-Propylbenzene	0.31	4.1	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
o-Xylene	*	*	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ
Styrene tart Butylbanzona	0.1	20	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
tert-Butylbenzene		0.055	ND (0.002) 0.088 ^{ab}	ND (0.002)	ND (0.002) 0.091 ^{ab}	ND (0.002) 0.079 ^{ab}	ND (0.002) 0.1 ^{ab}	ND (0.002) 0.098 ^{ab}	ND (0.002) 0.084 ab	ND (0.002) 0.075 ^{ab}	ND (0.002) 0.097 ^{ab}	ND (0.002) 0.08 ^{ab}	ND (0.002) 0.093 ^{ab}	ND (0.002) 0.084 ^{ab}	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
Tetrachloroethene	0.005	0.055		0.093 ^{ab}					<u> </u>		<u> </u>				0.081 ^{ab}	0.00066	0.0019	0.0017
Toluene trans-1,2-Dichloroethene	1 0.1	8.2 2	0.00016 J 0.00015 J	ND (0.0005) 0.00017 J	ND (0.0005) 0.00017 J	0.00016 J ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) 0.00007 J	ND (0.0005) U ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) U ND (0.0005)	ND (0.0005) ND (0.0005)	0.00011 J ND (0.0005)	0.00015 J ND (0.0005)
trans-1,3-Dichloropropene	*	*	ND (0.0005)	ND (0.0005) UJ	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Trichloroethene	0.005	0.0072	0.043 ^{ab}	0.043 ^{ab}	0.041 ^{ab}	0.033 ^{ab}	0.034 ^{ab}	0.026 ^{ab}	0.02 ^{ab}	0.023 ^{ab}	0.022 ^{ab}	0.019 ^{ab}	0.015 ^{ab}	0.023 ^{ab}	0.016 ^{ab}	0.0017	0.0095 ^{ab}	0.0053 ^a
Trichlorofluoromethane (CFC-11)	*	*	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005)
Vinyl chloride	0.002	0.004	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Xylene (total)	10	20		ND (0.0005)				1412 (0.0003)		ND (0.0005)		ND (0.0005)	1412 (0.0003)	1412 (0.0003)		1412 (0.0003)		110 (0.0003)
Ayiene (total)	10	20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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Sample Location: Sample ID: Sample Date:			OB-37 GW-110805-MG-0 11/8/2005	OB-37 04 GW-020706-MG-005 2/7/2006	OB-37 GW-050506-NRS-076 5/5/2006	OB-37 6 GW-041007-NH-001 4/10/2007	OB-37 GW-103107-NH-006 10/31/2007	OB-37 GW-012208-NH-002 1/22/2008	OB-37 GW-040808-JP-005 4/8/2008	OB-37 GW-091608-JP-002 9/16/2008	OB-37 2 GW-120208-JP-001 12/2/2008	OB-37 GW-040209-JP-039 4/2/2009	OB-37 GW-070809-TP-10: 7/8/2009	OB-37 5 GW-070809-TP-106 7/8/2009	OB-37 GW-102909-JP-016 10/29/2009	OB-38 GW-120804-MG-04 12/8/2004	OB-38 42 GW-080305-TP-048 8/3/2005	OB-38 GW-110905-MG-020 11/9/2005
Sample Type:			(Duplicate)	4,7=	9,4,=	4-4	-4-4	7-7	4,4,=	4-4	-44	44	7,7,====	(Duplicate)	,,	, -,	4,4,=***	, -,
		ult Closure Levels	•															
Parameters	Residential	Industrial 1-																
Volatile Organic Compounds (mg/L)	а	b																
1,1,1,2-Tetrachloroethane	0.0069	0.11	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,1,1-Trichloroethane	0.2	29	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,1,2,2-Tetrachloroethane	0.0009	0.014	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,1,2-Trichloroethane 1,1-Dichloroethane	0.005 0.99	0.05 10	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)
1,1-Dichloroethene	0.007	5.1	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,1-Dichloropropene	*	*	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,2,3-Trichlorobenzene	*	*	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002) ÚJ	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
1,2,3-Trichloropropane	*	*	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,2,4-Trichlorobenzene	0.07	1	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
1,2,4-Trimethylbenzene 1,2-Dibromo-3-chloropropane (DBCP)	0.016	5.1	ND (0.002) ND (0.002) UJ	ND (0.002) ND (0.002) UJ	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) R	ND (0.002) ND (0.002) UJ	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)
1,2-Dibromoethane (Ethylene dibromide)	0.00005	0.0014	ND (0.002) U)	ND (0.002) U)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002) U)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002) ND (0.002) UJ
1,2-Dichlorobenzene	0.6	9.2	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,2-Dichloroethane	0.005	0.031	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,2-Dichloropropane	0.005	0.042	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,3,5-Trimethylbenzene	0.016	5.1	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
1,3-Dichlorobenzene 1,3-Dichloropropane	0.08	0.31	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)
1,4-Dichlorobenzene	0.075	0.12	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
2,2-Dichloropropane	*	*	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
2-Butanone (Methyl ethyl ketone) (MEK)	8.4	61	ND (0.02) ÚJ	ND (0.02) UJ	ND (0.02) ÚJ	ND (0.02)	ND (0.02)	ND (0.02)	R	R	R	R	R	R	R	ND (0.02) ÚJ	ND (0.02) ÚJ	ND (0.02) ÚJ
2-Chlorotoluene	*	*	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
2-Hexanone	*	*	ND (0.02) UJ	ND (0.02) UJ	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	R	ND (0.02)	ND (0.02)	ND (0.02)	R	R	ND (0.02)	ND (0.02) UJ	ND (0.02) UJ	ND (0.02) UJ
2-Phenylbutane (sec-Butylbenzene) 4-Chlorotoluene	*	*	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)
4-Methyl-2-pentanone			ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
(Methyl isobutyl ketone) (MIBK)	2.2	8.2	ND (0.02) UJ	ND (0.02) UJ	ND (0.02) UJ	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	R	R	ND (0.02)	ND (0.02)	R	ND (0.02)	ND (0.02)	ND (0.02) UJ
Acetone	6.9	92	ND (0.02) UJ	ND (0.02) UJ	ND (0.02) UJ	0.0043 J	ND (0.02)	ND (0.02)	R	R	R	R	ND (0.02)	ND (0.02)	R	ND (0.02) UJ	ND (0.02) UJ	ND (0.02) UJ
Benzene	0.005	0.052	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) U	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) U	ND (0.0005)	ND (0.0005)	ND (0.0005)
Bromobenzene	0.08	*	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
Bromodichloromethane Bromoform	0.08	0.08 0.36	ND (0.0005) ND (0.0005) UJ	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005) UJ	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005) UJ	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)
Bromomethane (Methyl bromide)	0.011	0.14	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Carbon disulfide	1.3	10	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Carbon tetrachloride	0.005	0.022	ND (0.0005)	ND (0.0005) UJ	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Chlorobenzene	0.1	2	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Chlorobromomethane Chloroethane	0.062	0.99	ND (0.0005) UJ ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)
Chloroform (Trichloromethane)	0.08	1	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Chloromethane (Methyl chloride)	*	*	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.00052) U	ND (0.0005)	ND (0.0005)	0.00006 J	0.00013 J	ND (0.0005)	ND (0.0005) U	ND (0.0005) U	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ	ND (0.0005) UJ
cis-1,2-Dichloroethene	0.07	1	0.00012 J	ND (0.0005)	ND (0.0005)	ND (0.0005)	0.00053	ND (0.0005)	ND (0.0005)	0.00024 J	0.00037 J	0.0001 J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
cis-1,3-Dichloropropene	*	*	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Cymene (p-Isopropyltoluene)	*	*	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
Dibromochloromethane Dibromomethane	*	*	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) UJ ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)
Dichlorodifluoromethane (CFC-12)	*	*	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) ND (0.0005)
Ethylbenzene	0.7	10	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ
Hexachlorobutadiene	0.011	0.031	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002) ÚJ	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
Isopropyl benzene	0.83	10	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
m&p-Xylene	0.04	0.72	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Methyl tert butyl ether (MTBE) Methylene chloride	0.005	0.38	ND (0.002)	ND (0.002)	- ND (0.002)	- ND (0.002) U	- ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	- ND (0.002)	ND (0.002)	ND (0.002)	- ND (0.002)	ND (0.002)	ND (0.002)	- ND (0.002)
Naphthalene	0.0083	2	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002) UJ	ND (0.002)	ND (0.002) U	ND (0.002) U	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
N-Butylbenzene	*	*	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
N-Propylbenzene	0.31	4.1	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
o-Xylene	*	*	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ
Styrene tert-Butylbenzene	0.1	20	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)
Tetrachloroethene	0.005	0.055	0.0017	0.00028 J	0.00033 J	0.00052	0.0035	0.00069	0.00063	0.0022	0.0019	ND (0.002) ND (0.00092) U	0.002	0.0017	0.00071	ND (0.002)	ND (0.002) ND (0.0005)	0.00033 J
Toluene	1	8.2	0.0017 0.00015 J	ND (0.0005)	0.00033 J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.00092) U	ND (0.0005)	ND (0.0005)	0.00071 0.00033 J	ND (0.0005)	ND (0.0005)	0.00033 J 0.00012 J
trans-1,2-Dichloroethene	0.1	2	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
trans-1,3-Dichloropropene	*	*	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Trichloroethene	0.005	0.0072	0.0054ª	0.00029 J	0.00085	0.0019	0.012 ^{ab}	0.001	0.0015	0.0089 ^{ab}	0.0076 ^{ab}	0.0034	0.0099 ^{ab}	0.0081 ^{ab}	0.0019	ND (0.0005)	ND (0.0005)	ND (0.0005)
Trichlorofluoromethane (CFC-11)	*	*	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005)
Vinyl chloride	0.002	0.004	ND (0.0005)	ND (0.0005)	0.00005 J	ND (0.0005)	0.00006 J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	0.021 ^{ab}	0.019 ^{ab}	0.02 ^{ab}
Xylene (total)	10	20	-	-	-	-	-	-	-	_	-	_	-	-	-	-	-	-

TABLE 5.3 Page 27 of 44

Page	Sample Location:			OB-38	OB-38	OB-38	OB-38	OB-38	OB-38	OB-38	OB-38	OB-38	OB-38	OB-38	OB-39	OB-39	OB-39	OB-39	OB-39
Part	Sample ID:								,	,	,	,		,					
The control of the co				2/6/2006	4/24/2006	4/17/2007	11/1/2007	1/23/2008	4/10/2008	9/18/2008	12/10/2008	4/1/2009	7/9/2009	11/4/2009	8/3/2005	11/10/2005	2/15/2006	5/3/2006	4/20/2007
Part	затрие Туре.	IDEM RISC Defa	ult Closure Levels																
March Marc	Parameters	Residential																	
1. 1. 1. 1. 1. 1. 1. 1.	Volatile Organic Compounds (mg/L)	а	ь																
1.57 Landstandam (16) (16) (17) (17) (17) (17) (17) (17) (17) (17	1,1,1,2-Tetrachloroethane	0.0069	0.11	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1.55 1.55	1,1,1-Trichloroethane				ND (0.0005)	ND (0.0005)	' '	ND (0.0005)	ND (0.0005)	, ,	, ,	, ,	, ,	ND (0.0005)		ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Second S				` /	` /	` ,	' '	' '	' '		, ,	, ,	, ,	, ,		, ,	` ,	, ,	, ,
Second Column Col				` /	` ,	, ,	,	,	' '		, ,	, ,	,	, ,	, ,	,	` ,	, ,	, ,
Marting Part Part Marting					` ,	` ,	' '	' '	' '	, ,	, ,	, ,	, ,	, ,	, ,	, ,	` ,	, ,	,
1	1,1-Dichloropropene	*		, ,	` ,	, ,	,	,	` '	, ,	, ,	, ,	,	, ,	, ,	,	` ,	, ,	, ,
1.5 1.5	1,2,3-Trichlorobenzene	*	*	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
1.		*	*	` /				' '	' '		, ,	, ,	, ,	, ,	' '	, ,	\ /	' '	, ,
1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1			1	, ,	, ,	, ,			, ,		, ,	, ,		, ,				, ,	, ,
Manuscrophisphore Manu		0.016 *		\ /		, ,			, ,		` /	, ,						, ,	
Processor Proc	1,2-Dibromoethane (Ethylene dibromide)	0.00005	0.0014	, , ,	, ,	, ,						, ,						, ,	. , .
December Control Con	1,2-Dichlorobenzene	0.6	9.2	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1.5. 1.5.	1,2-Dichloroethane																	' '	
1.5. Line Marchanes	1,2-Dichloropropane																		
1.																			
1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-	1,3-Dichloropropane																		
	1,4-Dichlorobenzene	0.075	0.12																
1	2,2-Dichloropropane	*	*	, ,	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	, ,	ND (0.0005)	ND (0.0005) UJ	, ,	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)	, ,
1	2-Butanone (Methyl ethyl ketone) (MEK)	8.4	61																
2-May-plane proces high-freework 4 50 plane 50 pl		*	*						, ,										
Control Appendix Control App		*	*																
**************************************		*	*			, ,			` /										, ,
Author 69 95 NP joint 37 NP jo	4-Methyl-2-pentanone			()	()	()	11= (0100=)	()	()	112 (01002)	()	()	()	()	()	11= (0100=)	()	()	()
	(Methyl isobutyl ketone) (MIBK)	2.2			ND (0.02) UJ	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	R	R		ND (0.02) UJ	ND (0.02) UJ	ND (0.02) UJ	ND (0.02)
	Acetone									R							, , ,	, , ,	, ,
Base		0.005		` /	` ,		' '	' '	' '	' '	, ,		, ,			, ,	\ /	, ,	,
		0.08		(/	, ,	, ,	` /		` /		` /		` ,	, ,			` /	, ,	` ,
Calson Standarform 1.5	Bromoform			` /	` ,	` ,	' '	' '	' '	, ,	, ,	, ,	, ,	, ,	, ,	, ,	` ,	, ,	,
Carbon ternate-inclanded Carbon Services	Bromomethane (Methyl bromide)	0.011	0.14		, ,	, ,	ND (0.0005)	ND (0.0005) UJ	, ,	. , .	, ,		ND (0.0005)	ND (0.0005)	, ,	, , ,	, ,	ND (0.0005)	, ,
Charlespeechesses	Carbon disulfide				, ,	, ,													, ,
Chlosophamomethane								' '	' '		, ,		, ,	, ,		, ,		' '	, ,
Chloreshame Gale					, ,	, ,		' '					, ,			, ,		' '	, ,
Choromethane Chor	Chloroethane	0.062	0.99	` /	, ,	, ,		' '	' '		, ,		, ,	, ,		, ,	` ,	, ,	,
cis_1_3_1_5_6_1_6_6_6_6_6_6_6_6_6_6_6_6_6_6_6_6	Chloroform (Trichloromethane)		1	, ,	, ,	, ,	, ,	, ,	, ,	, ,	, ,	, ,	, ,	, ,	, ,	, ,	, ,	, ,	, ,
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	Chloromethane (Methyl chloride)	*	*	0.00016 J	ND (0.0005)	0.00033 J	ND (0.0005) U	ND (0.0005)	ND (0.0005)	ND (0.0005)	0.00011 J	ND (0.0005)	ND (0.0005) U	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
	cis-1,2-Dichloroethene	0.07	1	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	, ,	ND (0.0005)	ND (0.0005)	, ,	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
	cis-1,3-Dichloropropene	*	*	` /				' '			, ,			, ,			\ /	' '	,
		*	*														` /		' '
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $		*	*			, ,												, ,	, ,
$ [hylsname] 0.7 \\ [hylsname] 0.7 \\ [hylsname] 0.7 \\ [hylsname] 0.1 \\ [hylsname$	Dichlorodifluoromethane (CFC-12)	*	*					' '										' '	, ,
Septical plane Sep	Ethylbenzene	0.7		, ,	, ,	, ,	, ,	, ,	, ,	ND (0.0005)	, ,	, ,	, ,	, ,	, ,	, ,		, ,	, ,
nkp - k k k k k k k k k k	Hexachlorobutadiene			\ /			` /		` /		` /	` /	` ,	, ,		' '	` /	` /	' '
		0.83		· /	, ,	` /	` ,	, ,	` /	` /	` /	, ,	` '	, ,	,	, ,	` /	, ,	` /
$\begin{tabular}{ c c c c c c c c c c c c c c c c c c c$		0.04		ND (0.0005)	ND (0.0005)					ND (0.0005)	ND (0.0005)				ND (0.0005)	ND (0.0005)		ND (0.0005)	ND (0.0005)
	Methylene chloride			ND (0.002)	ND (0.002)					ND (0.002)	ND (0.002)				ND (0.002)	ND (0.002)		ND (0.002)	ND (0.002) U
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	Naphthalene			, ,	, ,	, ,	, ,		, ,		, ,	, ,	. ,	, ,		, ,	, ,	, ,	, ,
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	N-Butylbenzene			ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)		ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
	N-Propylbenzene		4.1	, ,	, ,	, ,				, ,							, ,	, ,	, ,
	2		*	, ,	, ,		, ,	, ,			, ,						, ,	, ,	, ,
				, ,	, ,	, ,	, ,	, ,	, ,		, ,	, ,	, ,	, ,		, ,	, ,	, ,	, ,
Toluene 1 8.2 ND (0.0005) N		0.005	0.055																
		1		, ,	, ,		, ,		, ,		, ,		, ,	, ,				, ,	, ,
Trichloroethene 0.005 0.0072 ND (0.0005)	trans-1,2-Dichloroethene	0.1		, ,	•	, ,	, ,	, ,	-	, ,	, ,	, ,	, ,	ND (0.0005)	, ,	, ,	, ,	, ,	. ,
Trichlorofluoromethane (CFC-11) * * ND (0.0005) ND $(0.$	trans-1,3-Dichloropropene	*	*	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)
$Vinyl \ chloride \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\$	Trichloroethene			, ,	, ,	, ,	, ,			, ,	, ,	, ,	, ,	, ,	, ,	-	-		
	Trichlorofluoromethane (CFC-11)														` ′	, ,	, ,	, ,	
Xylene (total) 10 20	Vinyl chloride			0.02	0.029 ^{ab}	0.025	0.018 ^{ab}	0.018	0.016 ^{ab}	0.022	0.023	0.018 ^{ab}	0.016	0.02	ND (0.0005)	, ,	` '	ND (0.0005)	ND (0.0005)
	Xylene (total)	10	20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

TABLE 5.3 Page 28 of 44

SUMMARY OF PHASE IIB RFI GROUNDWATER VOC ANALYTICAL DATA - OVERBURDEN WELLS RADIO MATERIALS CORPORATION ATTICA. INDIANA

OB-39 OB-39 OB-39 OB-39 OB-39 OB-39 OB-39 OB-39 OB-40 OB-40 Sample Location OB-40 OB-40 OB-40 OB-40 OB-40 OB-40 $GW-110707-NH-037 \quad GW-012408-NH-030 \quad GW-041508-[P-037 \quad GW-091908-[P-019 \quad GW-012089-[P-019 \quad GW-012098-P-019 \quad GW-01$ Sample ID: 4/15/2008 9/19/2008 12/8/2008 4/6/2009 8/3/2005 11/8/2005 2/7/2006 5/5/2006 4/20/2007 Sample Date: 11/7/2007 1/24/2008 7/13/2009 10/29/2009 10/31/2007 1/22/2008 4/10/2008 Sample Type: IDEM RISC Default Closure Levels Parameters Residential Industria Volatile Organic Compounds (mg/L) 1,1,1,2-Tetrachloroethane 0.0069 0.11 ND (0.0005) ND (0.0005 ND (0.0005) ND (0.0005) 1.1.1-Trichloroethane ND (0.0005) ND (0.0005 ND (0.0005) ND (0.0005) 1,1,2,2-Tetrachloroethan ND (0.0005) ND (0.0005) 0.0009 0.014 ND (0.0005) ND (0.0005) ND (0.0005) ND (0.0005 ND (0.0005) ND (0.0005 ND (0.0005 ND (0.0005) ND (0.0005 ND (0.0005) ND (0.0005) ND (0.0005 ND (0.0005) ND (0.0005) 1.1.2-Trichloroethane 0.005 0.05 ND (0.0005) ND (0.0005) ND (0.0005) 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9.2 ND (0.0005) ND (0.0005) ND (0.0005) ND (0.0005) ND (0.0005) ND (0.0005) U ND (0.0005) 1.2-Dichloroethane 0.005 0.031 ND (0.0005) ND (0.0005 ND (0.0005) ND (0.0005) ND (0.0005) 1,2-Dichloropropane 0.005 0.042 ND (0.0005) ND (0.0005) ND (0.0005) ND (0.0005) ND (0.0005) ND (0.0005) ND (0.0005 ND (0.0005) ND (0.0005) ND (0.0005 ND (0.0005) ND (0.0005 ND (0.0005) ND (0.0005 ND (0.0005) ND (0.0005) 1,3,5-Trimethylbenzen 0.016 ND (0.002) 1,3-Dichlorobenzene 0.08 0.31 ND (0.0005) ND (0.0005) ND (0.0005 ND (0.0005 ND (0.0005 ND (0.0005 ND (0.0005 ND (0.0005 ND (0.0005) ND (0.0005 ND (0.0005) ND (0.0005) ND (0.0005) ND (0.0005 ND (0.0005) ND (0.0005 1,3-Dichloropropane ND (0.0005) 1.4-Dichlorobenzene 0.075 0.12 ND (0.0005) 2.2-Dichloropropane ND (0.0005) UI ND (0.0005) ND (0.0005) ND (0.0005) ND (0.0005) ND (0.0005) 2-Butanone (Methyl ethyl ketone) (MEK) ND (0.02) UI ND (0.02) UI ND (0.02) UJ ND (0.02) UI ND (0.02) UI ND (0.02) ND (0.02) ND (0.02) ND (0.02) 2-Chlorotoluene ND (0.002) 2-Hexanone ND (0.02 ND (0.02) ND (0.02) ND (0.02) ND (0.02) ND (0.02) ND (0.02) UI ND (0.02) U ND (0.02) U ND (0.02) ND (0.02) ND (0.02) ND (0.02) ND (0.002) 2-Phenylbutane (sec-Butylbenzene) ND (0.002) ND (0.002 ND (0.002) ND (0.002) 4-Chlorotoluene ND (0.002) 4-Methyl-2-pentanon (Methyl isobutyl ketone) (MIBK) 2.2 8.2 ND (0.02) ND (0.02) ND (0.02) ND (0.02) R ND (0.02) ND (0.02) UI ND (0.02) UI ND (0.02) UI ND (0.02) UI ND (0.02) UI ND (0.02) UI ND (0.02) UI ND (0.02) ND (0.02) Acetone 69 ND (0.02) ND (0.02) 0.005 0.052 ND (0.0005) U ND (0.0005) Benzene ND (0.002) Bromodichloromethan 0.08 0.08 ND (0.0005) ND (0.0005) ND (0.0005) ND (0.0005) ND (0.0005 ND (0.0005) ND (0.0005 ND (0.0005) ND (0.0005 Bromoform 0.08 0.36 ND (0.0005) ND (0.0005) ND (0.0005) ND (0.0005) UJ ND (0.0005) ND (0.0005) ND (0.0005) ND (0.0005) ND (0.0005) ND (0.0005) U ND (0.0005) ND (0.0005) UI ND (0.0005) ND (0.0005) ND (0.0005) ND (0.0005) Bromomethane (Methyl bromide) 0.011 0.14 ND (0.0005) ND (0.0005) ND 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0.00007 I ND (0.0005) ND (0.0005) U ND (0.0005) ND (0.0005) UI ND (0.0005 ND (0.0005) ND (0.0005) ND (0.0005) ND (0.0006) U ND (0.0005) ND (0.0005) cis-1,2-Dichloroethene 0.00012 J ND (0.0005) ND (0.0005 ND (0.0005) ND (0.0005) ND (0.0005) ND (0.0005) ND (0.0005) ND (0.0005) cis-1,3-Dichloropropene ND (0.0005) ND (0.0005) ND (0.0005) ND (0.0005) ND (0.0005) ND (0.0005) ND (0.0005 ND (0.0005) ND (0.0005) ND (0.0005 ND (0.0005) ND (0.0005) ND (0.0005) ND (0.0005 ND (0.0005) ND (0.0005) Cymene (p-Isopropyltoluene) ND (0.002) ND (0.0005) ND (0.0005) ND (0.0005 ND (0.0005) ND (0.0005) ND (0.0005 ND (0.0005 ND (0.0005) ND (0.0005) ND (0.0005 ND (0.0005) ND (0.0005) U ND (0.0005) ND (0.0005 ND (0.0005) ND (0.0005) Dibromochloromethan ND (0.0005) Dibromomethane Dichlorodifluoromethane (CFC-12) ND (0.0005) ND (0.0005) UI ND (0.0005) ND (0.0005) UI ND (0.0005) ND (0.0005) UI ND (0.0005) U ND (0.0005) Ethylbenzene 0.7 ND (0.0005) U ND (0.0005) ND (0.0005) ND (0.0005) ND (0.0005) ND (0.0005) ND (0.0005) Hexachlorobutadiene 0.011 0.031 ND (0.002) Isopropyl benzene 0.83 ND (0.002) ND (0.002) ND (0.002) ND (0.002) ND (0.002) m&p-Xylene ND (0.0005) ND (0.0005) ND (0.0005 ND (0.0005) ND (0.0005) ND (0.0005 ND (0.0005 ND (0.0005) ND (0.0005) ND (0.0005) U ND (0.0005) ND (0.0005) ND (0.0005) ND (0.0005 ND (0.0005) ND (0.0005) Methyl tert butyl ether (MTBE) 0.04 0.72 Methylene chloride 0.005 0.38 ND (0.002) LI ND (0.002) ND (0.002) ND (0.002) Naphthalene 0.0083 ND (0.002) ND (0.002) ND (0.002) ND (0.002) ND (0.002) UI ND (0.002) UI ND (0.002) N-Butvlbenzene ND (0.002) 0.31 4.1 ND (0.002) ND (0.002) ND (0.002) ND (0.002) ND (0.002) N-Propylbenzene ND (0.002) ND (0.0005) ND (0.0005) ND (0.0005) ND (0.0005) ND (0.0005) ND (0.0005) UJ ND (0.0005) ND (0.0005) ND (0.0005 o-Xylene ND (0.0005) ND (0.0005) ND (0.0005) ND (0.0005) ND (0.0005) ND (0.0005 ND (0.0005) ND (0.0005 ND (0.0005) ND (0.0005 ND (0.0005 ND (0.0005) ND (0.0005 ND (0.0005 ND (0.0005) ND (0.0005) ND (0.0005) ND (0.0005) ND (0.0005) ND (0.0005 ND (0.0005) ND (0.0005) Styrene tert-Butylbenzer ND (0.002) ND (0.002 ND (0.002) ND (0.002) 0.055 ND (0.0005) ND (0.0005) U ND (0.0005) 0.005 0.00014 J 0.00023 J 0.00045 J ND (0.0005) ND (0.0005) ND (0.0005) ND (0.0005) ND (0.0005) ND (0.0005) U 0.00018 J 0.00015 J 0.0003 J 0.00016 J Tetrachloroethene ND (0.0005) ND (0.0005) 0.00032 J ND (0.0005) ND (0.0005) L ND (0.0005) ND (0.0005) U 0.00027 J ND (0.0005) ND (0.0005) U ND (0.0005) 0.00019 J ND (0.0005) 0.0002 J ND (0.0005) ND (0.0005) Toluene 8.2 trans-1.2-Dichloroethene ND (0.0005 ND (0.0005) ND (0.0005 ND (0.0005) ND (0.0005) ND (0.0005) ND (0.0005) ND (0.0005) ND (0.0005) trans-1,3-Dichloropropene ND (0.0005 ND (0.0005) UI ND (0.0005) ND (0.0005) ND (0.0005 ND (0.0005) ND (0.0005) ND (0.0005) ND (0.0005) ND (0.0005) Trichloroethene 0.005 0.0072 0.00039 I 0.0012 0.0032 0.00054 0.00023 I 0.00015 I 0.00011 I ND (0.0005) ND (0.0005) ND (0.0005) ND (0.0005) ND (0.0005) ND (0.0005) Trichlorofluoromethane (CFC-11) ND (0.0005) UI ND (0.0005) Vinyl chloride 0.002 0.004 ND (0.0005) ND (0.0005)

Xylene (total)

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Sample Location:			OB-40	OB-40	OB-40	OB-40	OB-40	OB-40	OB-41	OB-41	OB-41	OB-41	OB-41	OB-41	OB-41	OB-43D	OB-43D	OB-43D
Sample ID:			,	GW-121208-JP-051	,	GW-070809-TP-108	,	,	GW-120204-MG-009					GW-071309-TP-122	,			2 GW-021706-MG-06
Sample Date: Sample Type:			9/18/2008	12/12/2008	4/7/2009	7/9/2009	11/2/2009	11/2/2009 (Duplicate)	12/2/2004	8/3/2005	11/9/2005	2/7/2006	5/5/2006	7/13/2009	10/29/2009	8/22/2005	11/15/2005	2/17/2006
зитри 1 уре.	IDEM RISC Defa	ult Closure Levels						(Duplicate)										
Parameters	Residential	Industrial																
Volatile Organic Compounds (mg/L)	а	ь																
1,1,1,2-Tetrachloroethane	0.0069	0.11	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,1,1-Trichloroethane	0.2	29	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,1,2,2-Tetrachloroethane	0.0009	0.014	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,1,2-Trichloroethane	0.005	0.05	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,1-Dichloroethane	0.99	10	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,1-Dichloroethene	0.007	5.1	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,1-Dichloropropene	*	*	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,2,3-Trichlorobenzene 1,2,3-Trichloropropane	*	*	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)
1,2,4-Trichlorobenzene	0.07	1	ND (0.0003)	ND (0.003)	ND (0.0003)	ND (0.0003)	ND (0.003)	ND (0.0003)	ND (0.003)	ND (0.003)	ND (0.003)	ND (0.002)	ND (0.003)	ND (0.003)	ND (0.0003)	ND (0.003)	ND (0.003)	ND (0.003)
1,2,4-Trimethylbenzene	0.016	5.1	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
1,2-Dibromo-3-chloropropane (DBCP)	*	*	ND (0.002) UJ	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002) UJ	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
1,2-Dibromoethane (Ethylene dibromide)	0.00005	0.0014	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002) UJ	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
1,2-Dichlorobenzene	0.6	9.2	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,2-Dichloroethane	0.005	0.031	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,2-Dichloropropane	0.005	0.042	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,3,5-Trimethylbenzene	0.016	5.1	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
1,3-Dichlorobenzene 1,3-Dichloropropane	0.08	0.31	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)
1,3-Dichloropropane 1,4-Dichlorobenzene	0.075	0.12	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)
2,2-Dichloropropane	*	*	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
2-Butanone (Methyl ethyl ketone) (MEK)	8.4	61	R	R	R	R	R	R	ND (0.02) UJ	R	R	ND (0.02) UJ	ND (0.02) UJ	ND (0.02) UJ				
2-Chlorotoluene	*	*	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002) UJ	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
2-Hexanone	*	*	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02) ÚJ	ND (0.02) ÚJ	ND (0.02) ÚJ	ND (0.02) ÚJ	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02) ÚJ	ND (0.02)	ND (0.02) ÚJ
2-Phenylbutane (sec-Butylbenzene)	*	*	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
4-Chlorotoluene	*	*	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
4-Methyl-2-pentanone																		
(Methyl isobutyl ketone) (MIBK)	2.2	8.2	ND (0.02)	ND (0.02)	R	R	R	R	ND (0.02)	ND (0.02)	ND (0.02) UJ	ND (0.02) UJ	ND (0.02) UJ	R	R	ND (0.02)	ND (0.02) UJ	ND (0.02)
Acetone	6.9 0.005	92 0.052	K	ND (0.02) ND (0.0005)	R ND (0.0005)	R ND (0.0005)	R ND (0.0005) U	R	ND (0.02) UJ	R ND (0.0005) U	R	ND (0.02) UJ	ND (0.02) UJ	ND (0.02) UJ				
Benzene Bromobenzene	0.005 *	0.05Z *	ND (0.0005) ND (0.002)	ND (0.0003) ND (0.002)	ND (0.0003) ND (0.002)	ND (0.0003) ND (0.002)	ND (0.003) U	ND (0.0005) U ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.003) U	ND (0.0005) U ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)
Bromodichloromethane	0.08	0.08	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.0005)	ND (0.002)	ND (0.002)
Bromoform	0.08	0.36	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Bromomethane (Methyl bromide)	0.011	0.14	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)
Carbon disulfide	1.3	10	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Carbon tetrachloride	0.005	0.022	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)
Chlorobenzene	0.1	2	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Chlorobromomethane	*	*	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Chloroethane	0.062	0.99	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Chloroform (Trichloromethane)	0.08	1	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Chloromethane (Methyl chloride)	0.07		ND (0.0005)	ND (0.0005) U	ND (0.0005)	ND (0.0005) U	ND (0.0005)	0.00006 J	ND (0.0005)	ND (0.0005) UJ	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005) U	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)	0.00015 J
cis-1,2-Dichloroethene	0.07	1	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	0.0018	0.0019	0.00026 J
cis-1,3-Dichloropropene Cymene (p-Isopropyltoluene)	*	*	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002) UJ	ND (0.0005) ND (0.002)
Dibromochloromethane	*	*	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005) UJ	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) UJ ND (0.0005)	ND (0.002) ND (0.0005)
Dibromomethane	*	*	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Dichlorodifluoromethane (CFC-12)	*	*	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)
Ethylbenzene	0.7	10	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Hexachlorobutadiene	0.011	0.031	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002) ÚJ	ND (0.002)
Isopropyl benzene	0.83	10	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
m&p-Xylene	*	*	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Methyl tert butyl ether (MTBE)	0.04	0.72	- NID (0.000)	- NID (0.000)	- NID (0.000)	- NID (0.000)	- NID (0.000)	- NID (0.000)	- NID (0.000)	- NID (0.002)	- NID (0.000)	- NTD (0.000)	- NID (0.000)	- NID (0.002)	- NID (0.000)	- NID (0.002)	- NID (0.002)	- NID (0.000)
Methylene chloride	0.005	0.38	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002) ND (0.002)	ND (0.002)	ND (0.002) ND (0.002)
Naphthalene N-Butylbenzene	0.0083	2	0.0001 J ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) UJ ND (0.002)	ND (0.002) U ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) UJ ND (0.002) UJ	ND (0.002) ND (0.002)
N-Butylbenzene N-Propylbenzene	0.31	4.1	ND (0.002)	ND (0.002) ND (0.002)	ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002) UJ	ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) U) ND (0.002)	ND (0.002)
o-Xylene	*	*	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002) C)	ND (0.002)	ND (0.0005)	ND (0.002)	ND (0.002)
tyrene	0.1	20	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
ert-Butylbenzene	*	*	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
l'etrachloroethene	0.005	0.055	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	0.00019 J	0.00021 J	0.00028 J	0.00032 J	0.0003 J	0.00011 J	0.00013 J	0.00013 J	0.00019 J	0.00021 J
Гoluene	1	8.2	ND (0.0005)	ND (0.0005)	0.00025 J	ND (0.0005)	ND (0.0005) U	ND (0.0005) U	ND (0.0005)	ND (0.0005)	0.00012 J	ND (0.0005)	0.00025 J	ND (0.0005)	ND (0.0005) U	ND (0.0005) U	0.00011 J	ND (0.0005)
trans-1,2-Dichloroethene	0.1	2	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
trans-1,3-Dichloropropene	*	*	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) ÚJ	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Trichloroethene	0.005	0.0072	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	0.0071a	0.0068 ^a	0.0078 ^{ab}
Trichlorofluoromethane (CFC-11)	*	*	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ				
Vinyl chloride	0.002	0.004	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
viriyi ciliofide	0.002		1412 (0.0000)	1412 (0.0000)			1412 (0.0000)		1412 (0.0000)									

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Sample Location:			OB-43D	OB-43D	OB-43D	OB-43D	OB-43D	OB-43D	OB-43D	OB-43D	OB-43D	OB-43D	OB-43D	OB-43D	OB-43D	OB-43S	OB-43S	OB-43S
Sample ID:				GW-050206-NRS-048		GW-110807-NH-053		GW-041608-JP-042	,	,	GW-120808-JP-019			4 GW-102809-JP-011			GW-111505-MG-053	
Sample Date:			2/17/2006	5/2/2006	4/24/2007	11/8/2007	1/25/2008	4/16/2008	4/16/2008	9/22/2008	12/8/2008	3/30/2009	7/9/2009	10/28/2009	10/28/2009	8/16/2005	11/15/2005	2/17/2006
Sample Type:	IDEM RISC Defau	ılt Closure Levels	(Duplicate)						(Duplicate)						(Duplicate)			
Parameters	Residential a	Industrial h																
Volatile Organic Compounds (mg/L)		v																
1,1,1,2-Tetrachloroethane	0.0069	0.11	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,1,1-Trichloroethane	0.2	29	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,1,2,2-Tetrachloroethane 1,1,2-Trichloroethane	0.0009 0.005	0.014 0.05	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)
1,1-Dichloroethane	0.99	10	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,1-Dichloroethene	0.007	5.1	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,1-Dichloropropene	*	*	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,2,3-Trichlorobenzene	*	*	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
1,2,3-Trichloropropane	*	*	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,2,4-Trichlorobenzene 1,2,4-Trimethylbenzene	0.07 0.016	1 5.1	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)
1,2-Dibromo-3-chloropropane (DBCP)	*	*	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	R (0.002)	R (0.002)	ND (0.002) ND (0.002) UJ	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
1,2-Dibromoethane (Ethylene dibromide)	0.00005	0.0014	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
1,2-Dichlorobenzene	0.6	9.2	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,2-Dichloroethane	0.005	0.031	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,2-Dichloropropane 1,3,5-Trimethylbenzene	0.005 0.016	0.042 5.1	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)
1,3-Dichlorobenzene	0.016	0.31	ND (0.002) ND (0.0005)	ND (0.002)	ND (0.002) ND (0.0005)	ND (0.002)	ND (0.002) ND (0.0005)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)
1,3-Dichloropropane	*	*	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,4-Dichlorobenzene	0.075	0.12	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
2,2-Dichloropropane	*	*	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
2-Butanone (Methyl ethyl ketone) (MEK) 2-Chlorotoluene	8.4	61	ND (0.02) UJ ND (0.002)	ND (0.02) UJ ND (0.002)	ND (0.02) ND (0.002)	ND (0.02) ND (0.002)	ND (0.02) ND (0.002)	R ND (0.002)	R ND (0.002)	R ND (0.002)	R ND (0.002)	R ND (0.002)	R ND (0.002)	R ND (0.002)	R ND (0.002)	ND (0.02) UJ ND (0.002)	ND (0.02) UJ ND (0.002)	ND (0.02) UJ
2-Hexanone	*	*	ND (0.002) ND (0.02) UJ	ND (0.002) ND (0.02)	ND (0.002) ND (0.02)	ND (0.002) ND (0.02)	ND (0.002) ND (0.02)	ND (0.002) R	ND (0.002) R	ND (0.002) ND (0.02) UJ	ND (0.002) ND (0.02)	ND (0.002) ND (0.02)	ND (0.002) ND (0.02)	ND (0.002) R	ND (0.002) R	ND (0.002) ND (0.02) UJ	ND (0.002) ND (0.02)	ND (0.002) ND (0.02) UJ
2-Phenylbutane (sec-Butylbenzene)	*	*	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
4-Chlorotoluene	*	*	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
4-Methyl-2-pentanone								_					_					
(Methyl isobutyl ketone) (MIBK)	2.2 6.9	8.2 92	ND (0.02) ND (0.02) UJ	ND (0.02) UJ ND (0.02) UJ	ND (0.02) ND (0.02)	ND (0.02) ND (0.02)	ND (0.02) ND (0.02)	R R	R R	R 0.0032 J	ND (0.02) ND (0.02)	ND (0.02) R	R R	ND (0.02) R	ND (0.02) R	ND (0.02) UJ ND (0.02) UJ	ND (0.02) UJ ND (0.02) UJ	ND (0.02) ND (0.02) UJ
Acetone Benzene	0.005	0.052	ND (0.02) U) ND (0.0005)	ND (0.005)	ND (0.02) ND (0.0005)	ND (0.005)	ND (0.005)	ND (0.0005)	ND (0.0005)	0.0005 J	ND (0.005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.005)	ND (0.005)	ND (0.005)
Bromobenzene	*	*	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
Bromodichloromethane	0.08	0.08	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Bromoform	0.08	0.36	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Bromomethane (Methyl bromide)	0.011 1.3	0.14 10	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) UJ ND (0.0005)	ND (0.0005) UJ ND (0.0005)	ND (0.0005) UJ ND (0.0005)	ND (0.0005) UJ ND (0.0005)	ND (0.0005) ND (0.0005)
Carbon disulfide Carbon tetrachloride	0.005	0.022	ND (0.0005)	ND (0.0005) ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005) UJ	ND (0.0005) ND (0.0005)
Chlorobenzene	0.1	2	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Chlorobromomethane	*	*	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Chloroethane	0.062	0.99	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Chloroform (Trichloromethane) Chloromethane (Methyl chloride)	0.08	1	ND (0.0005) 0.00014 J	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	0.00005 J 0.00012 J	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005) U	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)
cis-1,2-Dichloroethene	0.07	1	0.00014 J	ND (0.0005)	ND (0.0005)	0.00052	ND (0.0005)	0.00014 J	0.00018 J	0.001	0.0012)	0.0003 J	0.0011	0.0011	0.0011	0.00045 J	0.00033 J	0.00031 J
cis-1,3-Dichloropropene	*	*	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Cymene (p-Isopropyltoluene)	*	*	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002) UJ	ND (0.002)
Dibromochloromethane	*	*	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Dibromomethane Dichlorodifluoromethane (CFC-12)	*	*	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005) UJ	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005) UJ	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005) UJ	ND (0.0005) ND (0.0005)
Ethylbenzene	0.7	10	ND (0.0005)	ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) U)	ND (0.0005) ND (0.0005)
Hexachlorobutadiene	0.011	0.031	ND (0.002)	ND (0.002)	ND (0.003)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.003)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002) UJ	ND (0.002)
Isopropyl benzene	0.83	10	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
m&p-Xylene	*	*	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Methyl tert butyl ether (MTBE)	0.04	0.72	-	-	- NTD (0.002)	- NTD (0.000)	-	-	-	-	-	-	-	- NTD (0.000)	-	-	-	- NTD (0.000)
Methylene chloride Naphthalene	0.005 0.0083	0.38 2	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002) UJ	ND (0.002) 0.00016 J	ND (0.002) ND (0.002) U	ND (0.002) ND (0.002) U	ND (0.002) ND (0.002) U	ND (0.002) ND (0.002) U	ND (0.002) ND (0.002)	ND (0.002) ND (0.002) UJ	ND (0.002) ND (0.002)
N-Butylbenzene	*	*	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002) (0)	ND (0.002)	ND (0.002) C	ND (0.002) ND (0.002)	ND (0.002) C	ND (0.002) C	ND (0.002)	ND (0.002) UJ	ND (0.002)
N-Propylbenzene	0.31	4.1	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
o-Xylene	*	*	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Styrene	0.1	20	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
tert-Butylbenzene	*	*	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
Tetrachloroethene	0.005	0.055	0.00018 J	0.00028 J	ND (0.0005) U	0.00016 J	0.00031 J	0.00032 J	0.00026 J	ND (0.0005)	ND (0.0005)	0.00008 J	ND (0.0005)	ND (0.0005) U	ND (0.0005)	ND (0.0005) U	0.00044 J	0.00041 J
Toluene trans-1,2-Dichloroethene	0.1	8.2 2	ND (0.0005) ND (0.0005)	0.00014 J ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) U ND (0.0005)	ND (0.0005) U ND (0.0005)	ND (0.00052) U ND (0.0005)	ND (0.0005) U ND (0.0005)	ND (0.0005) U ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) U ND (0.0005)	ND (0.0005) U ND (0.0005)	ND (0.0005) U ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)
trans-1,3-Dichloropropene	*	*	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Trichloroethene	0.005	0.0072	0.0075 ^{ab}	0.0082ab	0.0084 ^{ab}	0.0073 ^{ab}	0.01 ^{ab}	0.01 ^{ab}	0.01 ^{ab}	0.0074 ^{ab}	0.0077 ^{ab}	0.011 ^{ab}	0.0091ab	0.0077 ^{ab}	0.0078 ^{ab}	0.0055a	0.0045	0.0061 ^a
Trichlorofluoromethane (CFC-11)	*	*	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ
Vinyl chloride	0.002	0.004	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Xylene (total)	10	20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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Sample Location:			OB-43S	OB-43S	OB-43S	OB-43S	OB-43S	OB-43S	OB-43S	OB-43S	OB-43S	OB-43S	OB-44	OB-44	OB-44	OB-44	OB-44	OB-44
Sample ID:					GW-110807-NH-052			4 GW-092208-JP-026		,	,	GW-102809-JP-008			2 GW-110807-NH-050		GW-041608-JP-041	,
Sample Date: Sample Type:			5/2/2006	4/23/2007	11/8/2007	1/24/2008	4/16/2008	9/22/2008	12/8/2008	3/30/2009	7/8/2009	10/28/2009	5/8/2006	4/12/2007	11/8/2007	1/29/2008	4/16/2008	9/23/2008
Sumple Type.	IDEM RISC Defa	ult Closure Levels																
Parameters	Residential	Industrial																
Valatila Orașuia Carrescunda (madi)	а	ь																
Volatile Organic Compounds (mg/L) 1,1,1,2-Tetrachloroethane	0.0069	0.11	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,1,1-Trichloroethane	0.2	29	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)				
1,1,2,2-Tetrachloroethane	0.0009	0.014	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,1,2-Trichloroethane	0.005	0.05	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,1-Dichloroethane	0.99	10	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,1-Dichloroethene	0.007	5.1	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,1-Dichloropropene 1,2,3-Trichlorobenzene	*	*	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)
1,2,3-Trichloropropane	*	*	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.005)	ND (0.0005)	ND (0.005)	ND (0.0005)	ND (0.002)	ND (0.002)	ND (0.005)	ND (0.002)	ND (0.005)	ND (0.0005)	ND (0.005)
1,2,4-Trichlorobenzene	0.07	1	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
1,2,4-Trimethylbenzene	0.016	5.1	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
1,2-Dibromo-3-chloropropane (DBCP)	*	*	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	R	ND (0.002) UJ	ND (0.002)	ND (0.002)	R	ND (0.002)	ND (0.002)	ND (0.002) UJ	ND (0.002)	ND (0.002)	R	ND (0.002) UJ
1,2-Dibromoethane (Ethylene dibromide) 1,2-Dichlorobenzene	0.00005 0.6	0.0014 9.2	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)
1,2-Dichloroethane	0.005	0.031	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005)	ND (0.0005) ND (0.0005)
1,2-Dichloropropane	0.005	0.042	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,3,5-Trimethylbenzene	0.016	5.1	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
1,3-Dichlorobenzene	0.08	0.31	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,3-Dichloropropane	0.075	*	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,4-Dichlorobenzene 2,2-Dichloropropane	0.075	0.12	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005) UJ	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)
2-Butanone (Methyl ethyl ketone) (MEK)	8.4	61	ND (0.0003)	ND (0.003)	ND (0.003)	ND (0.003)	R (0.0003)	R (0.0003)	R (0.0003)	R (0.0003) C)	R (0.0003)	R (0.0003)	ND (0.0003)	ND (0.003)	ND (0.003)	ND (0.003)	R (0.0003)	R (0.0003)
2-Chlorotoluene	*	*	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
2-Hexanone	*	*	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	R	ND (0.02) UJ	ND (0.02)	ND (0.02)	R	R	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	R	ND (0.02)
2-Phenylbutane (sec-Butylbenzene)	*	*	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
4-Chlorotoluene	*	*	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	2.2	8.2	ND (0.02) UJ	ND (0.02)	ND (0.02)	ND (0.02)	R	R	ND (0.02)	ND (0.02)	R	ND (0.02)	ND (0.02) UJ	ND (0.02)	ND (0.02)	ND (0.02)	R	ND (0.02)
Acetone	6.9	92	ND (0.02) UJ	ND (0.02)	ND (0.02)	ND (0.02)	R	R	ND (0.02)	R (0.02)	R	R (0.02)	ND (0.02) UJ	ND (0.02)	ND (0.02)	ND (0.02)	R	R (0.02)
Benzene	0.005	0.052	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	0.00005 J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Bromobenzene	*	*	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
Bromodichloromethane	0.08	0.08	ND (0.0005)	0.00017 J	ND (0.0005)	ND (0.0005)	ND (0.0005)	0.00007 J	0.00008 J	0.00008 J	0.0001 J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	0.00007 J
Bromoform Bromomethane (Methyl bromide)	0.08 0.011	0.36 0.14	ND (0.0005) UJ ND (0.0005)	0.0005 ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005) UJ	ND (0.0005) UJ ND (0.0005)	0.00034 J ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005) UJ
Carbon disulfide	1.3	10	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) U	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Carbon tetrachloride	0.005	0.022	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)				
Chlorobenzene	0.1	2	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Chlorobromomethane	*	*	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Chloroethane	0.062 0.08	0.99	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) 0.00016 J	ND (0.0005) 0.00016 J	ND (0.0005) 0.00015 J	ND (0.0005) 0.00019 J	ND (0.0005) 0.00025 J	ND (0.0005) ND (0.0005)	ND (0.0005) 0.00008 J				
Chloroform (Trichloromethane) Chloromethane (Methyl chloride)	*	*	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	0.00016 J	0.00018 J	ND (0.0005)	ND (0.0005) U	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005)	ND (0.0005)
cis-1,2-Dichloroethene	0.07	1	0.00022 J	0.00033 J	0.00044 J	0.00047 J	0.00054	0.00066	0.00053	0.00048 J	0.00046 J	0.00051	0.02	0.014	0.036	0.028	0.027	0.021
cis-1,3-Dichloropropene	*	*	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Cymene (p-Isopropyltoluene)	*	*	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
Dibromochloromethane	*	*	ND (0.0005) UJ	0.00024 J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	0.00023 J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Dibromomethane	*	*	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Dichlorodifluoromethane (CFC-12) Ethylbenzene	0.7	10	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) UJ ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) UJ ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) UJ ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)
Hexachlorobutadiene	0.011	0.031	ND (0.002)	ND (0.003)	ND (0.002)	ND (0.003)	ND (0.003)	ND (0.0003)	ND (0.0003)	ND (0.003)	ND (0.002)	ND (0.003)	ND (0.002)	ND (0.003) ND (0.002) UJ	ND (0.003)	ND (0.003)	ND (0.0003)	ND (0.003)
Isopropyl benzene	0.83	10	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
m&p-Xylene	*	*	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Methyl tert butyl ether (MTBE)	0.04	0.72	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylene chloride	0.005	0.38	ND (0.002)	ND (0.002) U	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	0.00022 J	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
Naphthalene	0.0083	2	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002) UJ	0.00012 J	ND (0.002) U	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
N-Butylbenzene N-Propylbenzene	0.31	4.1	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)
o-Xylene	*	*	ND (0.0005)	ND (0.005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.005)	ND (0.0005)	ND (0.005)	ND (0.0005)	ND (0.005)	ND (0.0005)	ND (0.005)	ND (0.0005)	ND (0.005)	ND (0.0005)	ND (0.0005)
Styrene	0.1	20	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
tert-Butylbenzene	*	*	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
Tetrachloroethene	0.005	0.055	0.00062	0.0012	0.0022	0.0024	0.0036	0.0037	0.0036	0.0046	0.0052 ^a	0.0051 ^a	0.01 ^a	0.019 ^a	0.026 ^a	0.025 ^a	0.033 ^a	0.033 ^a
Toluene	1	8.2	0.00014 J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) U	ND (0.0005)	ND (0.0005) U	ND (0.0005) U	ND (0.0005)	ND (0.0005) U	0.00034 J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) U	ND (0.0005)
trans-1,2-Dichloroethene	0.1	2	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	0.00029 J	ND (0.0005)	0.002 ND (0.0005)	0.00022 J	0.00045 J	0.00025 J
trans-1,3-Dichloropropene	0.005		ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) 0.0053 ^a	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) 0.024 ^{ab}	ND (0.0005) 0.041 ^{ab}	ND (0.0005) 0.045 ^{ab}	ND (0.0005) 0.046 ^{ab}	ND (0.0005) 0.047 ^{ab}	ND (0.0005) 0.022 ^{ab}
Trichloroethene Trichlorofluoromethane (CFC-11)	0.005	0.0072	0.005 ND (0.0005)	0.0048 ND (0.0005)	0.0041 ND (0.0005)	0.005 ND (0.0005)		0.0042 ND (0.0005) UJ	0.0042 ND (0.0005)	0.0045 ND (0.0005)	0.0045 ND (0.0005)	0.004 ND (0.0005)					l .	
Vinyl chloride	0.002	0.004	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) UJ ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)
Xylene (total)	10	20	- (0.0003)	ND (0.0005)	- (0.0003)	ND (0.0005)	- (0.0003)	ND (0.0005)	- (0.0003)	- (0.0003)	ND (0.0005)	- (0.0003)	- (0.0003)	- (0.0003)	ND (0.0005)	ND (0.0005)	- (0.0003)	ND (0.0005)
Ayrene (total)	10	20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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Sample Location: Sample ID:			,	OB-44 GW-033109-JP-017	,	,							OB-45D 1 GW-110607-NH-029		,	,	OB-45D GW-092408-JP-038	,
Sample Date:			12/8/2008	3/31/2009	7/8/2009	10/28/2009	8/17/2005	11/15/2005	11/15/2005	2/17/2006	4/26/2006	4/19/2007	11/6/2007	1/25/2008	4/18/2008	4/18/2008	9/24/2008	12/4/2008
Sample Type:	IDEM RISC Defe	ult Closure Levels							(Duplicate)							(Duplicate)		
Parameters	Residential a	Industrial h																
Volatile Organic Compounds (mg/L)		, and the second																
1,1,1,2-Tetrachloroethane	0.0069	0.11	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,1,1-Trichloroethane 1,1,2,2-Tetrachloroethane	0.2 0.0009	29 0.014	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)
1,1,2-Trichloroethane	0.005	0.014	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,1-Dichloroethane	0.99	10	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,1-Dichloroethene	0.007	5.1	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,1-Dichloropropene	*	*	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,2,3-Trichlorobenzene	*	*	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
1,2,3-Trichloropropane	*	*	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,2,4-Trichlorobenzene	0.07	1	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
1,2,4-Trimethylbenzene 1,2-Dibromo-3-chloropropane (DBCP)	0.016	5.1 *	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002) UJ	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) R	ND (0.002) R	ND (0.002) ND (0.002) UJ	ND (0.002) ND (0.002) UJ
1,2-Dibromoethane (Ethylene dibromide)	0.00005	0.0014	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002) C)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
1,2-Dichlorobenzene	0.6	9.2	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,2-Dichloroethane	0.005	0.031	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,2-Dichloropropane	0.005	0.042	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,3,5-Trimethylbenzene	0.016	5.1	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
1,3-Dichlorobenzene	0.08	0.31	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,3-Dichloropropane 1,4-Dichlorobenzene	0.075	0.12	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)
2,2-Dichloropropane	*	*	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)
2-Butanone (Methyl ethyl ketone) (MEK)	8.4	61	R	R	R	R	ND (0.02) UJ	ND (0.02) UJ	ND (0.02) UJ	ND (0.02) UJ	ND (0.02) UJ	ND (0.02)	ND (0.02)	ND (0.02)	R	R	R	R
2-Chlorotoluene	*	*	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
2-Hexanone	*	*	ND (0.02)	ND (0.02) UJ	R	R	ND (0.02) UJ	ND (0.02) UJ	ND (0.02) UJ	ND (0.02) UJ	ND (0.02) UJ	ND (0.02)	ND (0.02)	ND (0.02)	R	R	ND (0.02)	R
2-Phenylbutane (sec-Butylbenzene)	*	*	ND (0.002)	ND (0.002) U	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
4-Chlorotoluene	*	*	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	2.2	8.2	ND (0.02)	R	ND (0.02)	ND (0.02)	ND (0.02) UJ	ND (0.02) UJ	ND (0.02) UJ	ND (0.02)	ND (0.02) UJ	ND (0.02)	ND (0.02)	ND (0.02)	R	R	ND (0.02)	R
Acetone (Wilder)	6.9	92	ND (0.02)	R	ND (0.02)	R	ND (0.02) UJ	ND (0.02) UJ	ND (0.02) UJ	ND (0.02) UJ	ND (0.02) UJ	ND (0.02)	ND (0.02)	ND (0.02)	R	R	0.0036 I	R
Benzene	0.005	0.052	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Bromobenzene	*	*	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
Bromodichloromethane	0.08	0.08	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Bromoform	0.08	0.36	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Bromomethane (Methyl bromide)	0.011 1.3	0.14 10	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ	ND (0.0005) UJ	ND (0.0005) UJ	ND (0.0005) UJ	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)
Carbon disulfide Carbon tetrachloride	0.005	0.022	ND (0.0005) U ND (0.0005)	ND (0.0005) ND (0.0005) UJ	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005) UJ	ND (0.0005) ND (0.0005) UJ	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) UJ ND (0.0005)	ND (0.0005) ND (0.0005)
Chlorobenzene	0.1	2	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Chlorobromomethane	*	*	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Chloroethane	0.062	0.99	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Chloroform (Trichloromethane)	0.08	1	0.00005 J	0.00007 J	0.0001 J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Chloromethane (Methyl chloride)	*	*	0.0001 J	ND (0.0005)	ND (0.0005) U	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	0.00019 J	ND (0.0005)	0.00014 J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
cis-1,2-Dichloroethene	0.07	1	0.035	0.034	0.01	0.036	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
cis-1,3-Dichloropropene	*	*	ND (0.0005)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005)	ND (0.0005) ND (0.002)	ND (0.0005)	ND (0.0005)
Cymene (p-Isopropyltoluene) Dibromochloromethane	*	*	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)
Dibromomethane	*	*	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Dichlorodifluoromethane (CFC-12)	*	*	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) ÚJ	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ
Ethylbenzene	0.7	10	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Hexachlorobutadiene	0.011	0.031	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
Isopropyl benzene	0.83	10	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
m&p-Xylene Methyl tert butyl ether (MTBE)	0.04	0.72	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Methylene chloride	0.005	0.72	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002) U	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
Naphthalene	0.003	0.36	ND (0.002) ND (0.002) UJ	ND (0.002) ND (0.002)	ND (0.002) ND (0.002) U	ND (0.002) ND (0.002) U	ND (0.002)	ND (0.002) ND (0.002) UJ	ND (0.002) ND (0.002) UJ	ND (0.002) ND (0.002)	ND (0.002)	ND (0.002) U ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002) UJ
N-Butylbenzene	*	*	ND (0.002)	ND (0.002)	ND (0.002) C	ND (0.002) C	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
N-Propylbenzene	0.31	4.1	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
o-Xylene	*	*	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Styrene	0.1	20	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
tert-Butylbenzene	*	*	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
Tetrachloroethene	0.005	0.055	0.03ª	0.035ª	0.03ª	0.035ª	ND (0.0005)	0.00017 J	0.00015 J	0.00022 J	0.00015 J	0.00025 J	0.00015 J	0.0003 J	0.00025 J	0.00026 J	ND (0.0005)	ND (0.0005)
Toluene	1	8.2	ND (0.0005) U	ND (0.0005) U	ND (0.0005)	ND (0.0005) U	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) U	ND (0.0005) U	ND (0.0005)	ND (0.0005)
trans-1,2-Dichloroethene trans-1,3-Dichloropropene	0.1	2	0.0018 ND (0.0005)	0.00035 J ND (0.0005)	0.0001 J ND (0.0005)	0.00036 J ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)
Trichloroethene	0.005	0.0072	0.058 ^{ab}	0.074 ^{ab}	0.058 ^{ab}	0.048 ^{ab}	0.0052 ^a	0.0047	0.0047	0.004	0.0049	0.0044	0.0039	0.0049	0.0038	0.0037	0.0035	0.0035
Trichlorofluoromethane (CFC-11)	0.005 *	0.0072 *	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Vinyl chloride	0.002	0.004	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) U)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
-	10	20	ND (0.0003)		1412 (0.0003)	ND (0.0005)		ND (0.0003)	ND (0.0005)	ND (0.0005)	ND (0.0005)		ND (0.0005)	ND (0.0005)	ND (0.0005)			1412 (0.0003)
Xylene (total)	10	20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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Sample Location:			OB-45D	OB-45D	OB-45D	OB-45D	OB-45I	OB-45I	OB-45I	OB-45I	OB-45I	OB-45S	OB-45S	OB-45S	OB-45S	OB-45S	OB-45S	OB-45S
Sample ID:				GW-070809-JP-008	GW-070809-JP-009		GW-081705-TP-076		GW-111505-MG-050		GW-042606-NRS-015			GW-021706-MG-070	GW-042606-NRS-014	GW-041907-NH-040		GW-012508-NH-036
Sample Date:			3/25/2009	7/8/2009	7/8/2009	10/28/2009	8/17/2005	8/17/2005	11/15/2005	2/17/2006	4/26/2006	8/16/2005	11/15/2005	2/17/2006	4/26/2006	4/19/2007	11/6/2007	1/25/2008
Sample Type:	IDEM RISC Defa	ult Closure Levels			(Duplicate)			(Duplicate)										
Parameters	Residential	Industrial																
Volatile Organic Compounds (mg/L)	а	b																
1,1,1,2-Tetrachloroethane	0.0069	0.11	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,1,1-Trichloroethane	0.2	29	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,1,2,2-Tetrachloroethane	0.0009	0.014 0.05	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,1,2-Trichloroethane 1,1-Dichloroethane	0.005 0.99	10	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)
1,1-Dichloroethene	0.007	5.1	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,1-Dichloropropene	*	*	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,2,3-Trichlorobenzene	*	*	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
1,2,3-Trichloropropane 1,2,4-Trichlorobenzene	0.07	1	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)
1,2,4-Trimethylbenzene	0.016	5.1	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
1,2-Dibromo-3-chloropropane (DBCP)	*	*	R	R	R	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002) UJ	ND (0.002)	ND (0.002)
1,2-Dibromoethane (Ethylene dibromide)	0.00005	0.0014	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
1,2-Dichlorobenzene 1,2-Dichloroethane	0.6 0.005	9.2 0.031	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)
1,2-Dichloropropane	0.005	0.042	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,3,5-Trimethylbenzene	0.016	5.1	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
1,3-Dichlorobenzene 1,3-Dichloropropane	0.08	0.31	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)
1,4-Dichlorobenzene	0.075	0.12	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
2,2-Dichloropropane	*	*	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
2-Butanone (Methyl ethyl ketone) (MEK)	8.4	61	R	R	R	R	ND (0.02) UJ	ND (0.02) UJ	ND (0.02) UJ	ND (0.02) UJ	ND (0.02) UJ	ND (0.02) UJ	ND (0.02) UJ	ND (0.02) UJ	ND (0.02) UJ	ND (0.02)	ND (0.02)	ND (0.02)
2-Chlorotoluene 2-Hexanone	*	*	ND (0.002)	ND (0.002)	ND (0.002) R	ND (0.002) R	ND (0.002) ND (0.02) UJ	ND (0.002) ND (0.02) UJ	ND (0.002) ND (0.02)	ND (0.002) ND (0.02) UJ	ND (0.002) ND (0.02) UJ	ND (0.002) ND (0.02) UJ	ND (0.002) ND (0.02)	ND (0.002) ND (0.02) UJ	ND (0.002) ND (0.02) UJ	ND (0.002) ND (0.02)	ND (0.002) ND (0.02)	ND (0.002) ND (0.02)
2-Phenylbutane (sec-Butylbenzene)	*	*	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
4-Chlorotoluene	*	*	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
4-Methyl-2-pentanone	2.2	0.2	D	D	R	NID (0.02)	NID (0.02) III	NID (0.02) I II	NID (0.02) III	NID (0.02)	NID (0.02) III	NID (0.02) III	NID (0.02) LII	NID (0.02)	NID (0.02) LII	NID (0.02)	NID (0.02)	NID (0.02)
(Methyl isobutyl ketone) (MIBK) Acetone	2.2 6.9	8.2 92	R R	R R	R R	ND (0.02) R	ND (0.02) UJ ND (0.02) UJ	ND (0.02) UJ ND (0.02) UJ	ND (0.02) UJ ND (0.02) UJ	ND (0.02) ND (0.02) UJ	ND (0.02) UJ ND (0.02) UJ	ND (0.02) UJ ND (0.02) UJ	ND (0.02) UJ ND (0.02) UJ	ND (0.02) ND (0.02) UJ	ND (0.02) UJ ND (0.02) UJ	ND (0.02) ND (0.02)	ND (0.02) ND (0.02)	ND (0.02) ND (0.02)
Benzene	0.005	0.052	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Bromobenzene	*	*	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
Bromodichloromethane Bromoform	0.08 0.08	0.08 0.36	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)
Bromomethane (Methyl bromide)	0.03	0.14	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ	ND (0.0005) UJ	ND (0.0005) UJ	ND (0.0005) UJ	ND (0.0005)	ND (0.0005) UJ	ND (0.0005) UJ	ND (0.0005) UJ	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005)
Carbon disulfide	1.3	10	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Carbon tetrachloride	0.005	0.022	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Chlorobenzene Chlorobromomethane	0.1	2	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)
Chloroethane	0.062	0.99	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Chloroform (Trichloromethane)	0.08	1	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Chloromethane (Methyl chloride)	*	*	ND (0.0005)	ND (0.0005) U	ND (0.0005) U	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	0.00016 J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
cis-1,2-Dichloroethene cis-1,3-Dichloropropene	0.07	1	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)
Cymene (p-Isopropyltoluene)	*	*	ND (0.003)	ND (0.0003)	ND (0.002)	ND (0.003)	ND (0.003)	ND (0.003)	ND (0.003)	ND (0.0003) ND (0.002)	ND (0.003)	ND (0.002)	ND (0.003)	ND (0.003)	ND (0.003)	ND (0.003)	ND (0.003)	ND (0.003)
Dibromochloromethane	*	*	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Dibromomethane	*	*	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Dichlorodifluoromethane (CFC-12) Ethylbenzene	0.7	10	ND (0.0005) ND (0.0005)	ND (0.0005) UJ ND (0.0005)	ND (0.0005) UJ ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) UJ ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) UJ ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) UJ ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) UJ ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) UJ ND (0.0005)
Hexachlorobutadiene	0.011	0.031	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002) UJ	ND (0.003)	ND (0.002)	ND (0.002)	ND (0.002) UJ	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
Isopropyl benzene	0.83	10	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
m&p-Xylene Methyl tert butyl ether (MTBE)	* 0.04	* 0.72	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Methylene chloride	0.005	0.72	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002) U	ND (0.002)	ND (0.002)
Naphthalene	0.0083	2	ND (0.002) U	ND (0.002) U	ND (0.002)	ND (0.002) U	ND (0.002)	ND (0.002)	ND (0.002) UJ	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002) UJ	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
N-Butylbenzene	*	*	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002) UJ	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002) UJ	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
N-Propylbenzene	0.31	4.1	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
o-Xylene Styrene	0.1	* 20	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)
tert-Butylbenzene	*	*	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.003)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.003)	ND (0.0003)	ND (0.002)
Tetrachloroethene	0.005	0.055	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	0.00015 J	ND (0.0005)	0.00016 J	ND (0.0005)	ND (0.0005)	0.00019 J	0.00013 J	0.00023 J	0.00013 J	0.00028 J
Toluene	1	8.2	ND (0.0007) U	ND (0.0005)	ND (0.0005)	ND (0.0005) U	ND (0.0005) U	ND (0.0005) U	0.00011 J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) U	ND (0.0005)	ND (0.0005)	ND (0.0005)
trans-1,2-Dichloroethene trans-1,3-Dichloropropene	0.1	2	ND (0.0005) ND (0.0005)	ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)
Trichloroethene	0.005	0.0072	0.0042	ND (0.0005) 0.004	0.004	0.0032	0.013 ^{ab}	0.014 ^{ab}	0.014 ^{ab}	0.016 ^{ab}	0.016 ^{ab}	0.0081 ab	0.0075 ^{ab}	0.0098 ^{ab}	0.01 ^{ab}	0.0085 ^{ab}	0.0073 ^{ab}	0.0094 ^{ab}
Trichlorofluoromethane (CFC-11)	*	*	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Vinyl chloride	0.002	0.004	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Xylene (total)	10	20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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Sample Location:			OB-45S	OB-45S	OB-45S	OB-45S	OB-45S	OB-46D	OB-46D	OB-46D	OB-46D	OB-46D	OB-46D	OB-46D	OB-46D	OB-46S	OB-46S	OB-46S
Sample ID: Sample Date:			9/24/2008	9 GW-120408-JP-012 12/4/2008	GW-032509-JP-009 3/25/2009	7/8/2009	0 GW-102809-JP-007 10/28/2009	5/9/2006	6 GW-041907-NH-042 4/19/2007	GW-110907-NH-054 11/9/2007	GW-012208-NH-009 1/22/2008	GW-041808-JP-055 4/18/2008	6 GW-092408-JP-04 9/24/2008	3 GW-120408-JP-011 12/4/2008	GW-032509-JP-008 3/25/2009	GW-051706-NRS-089 5/17/2006	GW-041907-NH-043 4/19/2007	GW-110907-NH-055 11/9/2007
Sample Type:				• • • • • • • • • • • • • • • • • • • •		,,,		,,,			, ,	, ,		,,		, ,		,,,
Parameters	IDEM RISC Defa Residential	ult Closure Levels Industrial																
Volatile Organic Compounds (mg/L)	а	b																
1,1,1,2-Tetrachloroethane	0.0069	0.11	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,1,1-Trichloroethane	0.2	29	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,1,2,2-Tetrachloroethane	0.0009	0.014	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,1,2-Trichloroethane	0.005	0.05	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,1-Dichloroethane	0.99	10	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,1-Dichloroethene 1,1-Dichloropropene	0.007	5.1	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)
1,2,3-Trichlorobenzene	*	*	ND (0.003)	ND (0.002)	ND (0.003)	ND (0.003)	ND (0.0003)	ND (0.0003)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.0003)	ND (0.003)	ND (0.003)	ND (0.003)	ND (0.003)	ND (0.003)	ND (0.003)
1,2,3-Trichloropropane	*	*	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,2,4-Trichlorobenzene	0.07	1	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
1,2,4-Trimethylbenzene	0.016	5.1 *	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
1,2-Dibromo-3-chloropropane (DBCP) 1,2-Dibromoethane (Ethylene dibromide)	0.00005	0.0014	ND (0.002) UJ ND (0.002)	ND (0.002) UJ ND (0.002)	R ND (0.002)	R ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) UJ ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	R ND (0.002)	ND (0.002) UJ ND (0.002)	ND (0.002) ND (0.002)	R ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) UJ ND (0.002)	ND (0.002) ND (0.002)
1,2-Dichlorobenzene	0.6	9.2	ND (0.002)	ND (0.0005)	ND (0.0005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.002)	ND (0.0005)	ND (0.0005)	ND (0.005)	ND (0.0005)	ND (0.005)
1,2-Dichloroethane	0.005	0.031	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,2-Dichloropropane	0.005	0.042	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,3,5-Trimethylbenzene	0.016	5.1	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
1,3-Dichlorobenzene 1,3-Dichloropropane	0.08	0.31	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)
1,4-Dichlorobenzene	0.075	0.12	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
2,2-Dichloropropane	*	*	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)
2-Butanone (Methyl ethyl ketone) (MEK)	8.4	61	R	R	R	R	R	ND (0.02) UJ	ND (0.02)	ND (0.02)	ND (0.02)	R	R	R	R	ND (0.02) UJ	ND (0.02)	ND (0.02)
2-Chlorotoluene 2-Hexanone	*	*	ND (0.002) ND (0.02)	ND (0.002) R	ND (0.002) R	ND (0.002) R	ND (0.002) R	ND (0.002) ND (0.02)	ND (0.002) ND (0.02)	ND (0.002) ND (0.02)	ND (0.002) ND (0.02)	ND (0.002) R	ND (0.002) ND (0.02)	ND (0.002) ND (0.02)	ND (0.002) R	ND (0.002) ND (0.02) UJ	ND (0.002) ND (0.02)	ND (0.002) ND (0.02)
2-Phenylbutane (sec-Butylbenzene)	*	*	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.02)	ND (0.02)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.02)	ND (0.002)
4-Chlorotoluene	*	*	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
4-Methyl-2-pentanone												_		_				
(Methyl isobutyl ketone) (MIBK)	2.2 6.9	8.2 92	ND (0.02) 0.0032 J	R R	R R	R R	ND (0.02) R	ND (0.02) UJ ND (0.02) UJ	ND (0.02) ND (0.02)	ND (0.02) ND (0.02)	ND (0.02) ND (0.02)	R R	ND (0.02) R	R R	R R	ND (0.02) ND (0.02) UJ	ND (0.02) ND (0.02)	ND (0.02) ND (0.02)
Acetone Benzene	0.005	0.052	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.005)	ND (0.005)	ND (0.0005)
Bromobenzene	*	*	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
Bromodichloromethane	0.08	0.08	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	0.00014 J	ND (0.0005)
Bromoform	0.08 0.011	0.36	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	0.00031 J	ND (0.0005)
Bromomethane (Methyl bromide) Carbon disulfide	1.3	0.14 10	ND (0.0005) UJ ND (0.0005) UJ	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) UJ ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) UJ ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) UJ ND (0.0005) UJ	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)
Carbon tetrachloride	0.005	0.022	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Chlorobenzene	0.1	2	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Chlorobromomethane	*	*	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Chloroethane Chloroform (Trichloromethane)	0.062 0.08	0.99	ND (0.0005) 0.00006 J	ND (0.0005) 0.00005 J	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) 0.00007 J	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)
Chloromethane (Methyl chloride)	*	*	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) U	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	0.0001 J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
cis-1,2-Dichloroethene	0.07	1	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
cis-1,3-Dichloropropene	*	*	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Cymene (p-Isopropyltoluene)	*	*	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
Dibromochloromethane	*	*	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	0.00016 J ND (0.0005)	ND (0.0005) ND (0.0005)
Dibromomethane Dichlorodifluoromethane (CFC-12)	*	*	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005) UJ	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005) UJ	ND (0.0005)	ND (0.0005) ND (0.0005) UJ	ND (0.0005) ND (0.0005)	ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Ethylbenzene	0.7	10	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Hexachlorobutadiene	0.011	0.031	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
Isopropyl benzene	0.83	10	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
m&p-Xylene Methyl tert butyl ether (MTBE)	0.04	0.72	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Methylene chloride	0.005	0.38	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002) U	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002) U	ND (0.002)
Naphthalene	0.0083	2	ND (0.002)	ND (0.002) UJ	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
N-Butylbenzene	*	*	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
N-Propylbenzene	0.31	4.1	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
o-Xylene Styrono	* 0.1	* 20	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Styrene tert-Butylbenzene	0.1 *	20 *	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)
Tetrachloroethene	0.005	0.055	ND (0.0005)	ND (0.0005)	ND (0.005)	ND (0.0005)	ND (0.005)	ND (0.0005)	0.00021 J	ND (0.005)	0.00025 J	0.00019 J	ND (0.005)	ND (0.0005)	ND (0.005)	ND (0.005)	0.00029 J	0.00017 J
Toluene	1	8.2	ND (0.0005)	0.00005 J	ND (0.0005) U	ND (0.0005)	ND (0.0005) U	ND (0.0005) U	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) U	ND (0.0005)	ND (0.0005)	ND (0.0005) U	0.00011 J	ND (0.0005)	ND (0.0005)
trans-1,2-Dichloroethene	0.1	2	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
trans-1,3-Dichloropropene	*	*	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Trichloroethene	0.005	0.0072	0.0068ª	0.0059ª	0.0095 ^{ab}	0.0063ª	0.0063ª	0.0014	0.0015	0.0016	0.0017	0.0015	0.0017	0.0019	0.002	0.002	0.0023	0.0026
Trichlorofluoromethane (CFC-11)			ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Vinyl chloride Xylene (total)	0.002 10	0.004 20	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Ayletic (total)	10	20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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Sample Location:			OB-46S	OB-47D	OB-47D	OB-47D	OB-47D	OB-47D	OB-47D	OB-47D	OB-47D	OB-47S	OB-47S	OB-47S	OB-47S	OB-47S	OB-47S	OB-47S
Sample ID:			,	2 GW-050906-NRS-086		GW-110907-NH-056			GW-092408-JP-042	,				GW-110907-NH-057		,	,	,
Sample Date: Sample Type:			4/18/2008	5/9/2006	4/23/2007	11/9/2007	1/24/2008	4/17/2008	9/24/2008	12/4/2008	3/30/2009	5/17/2006	4/23/2007	11/9/2007	1/24/2008	4/17/2008	9/24/2008	9/24/2008 (Duplicate)
Sample Types	IDEM RISC Defa	ult Closure Levels	i															(Dupiteure)
Parameters	Residential	Industrial																
Volatile Organic Compounds (mg/L)	а	ь																
1,1,1,2-Tetrachloroethane	0.0069	0.11	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)				
1,1,1-Trichloroethane	0.2	29	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	0.00021 J	0.00018 J	0.00021 J	0.00022 J	0.00021 J	0.00019 J	0.00017 J
1,1,2,2-Tetrachloroethane	0.0009	0.014	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)				
1,1,2-Trichloroethane	0.005	0.05	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)				
1,1-Dichloroethane	0.99	10	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)				
1,1-Dichloroethene	0.007	5.1	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)				
1,1-Dichloropropene 1,2,3-Trichlorobenzene	*	*	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)				
1,2,3-Trichloropropane	*	*	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.0005)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)				
1,2,4-Trichlorobenzene	0.07	1	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)				
1,2,4-Trimethylbenzene	0.016	5.1	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)				
1,2-Dibromo-3-chloropropane (DBCP)	*	*	R	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	R	ND (0.002) UJ	ND (0.002) UJ	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	R	ND (0.002) UJ	ND (0.002) UJ
1,2-Dibromoethane (Ethylene dibromide)	0.00005	0.0014	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)				
1,2-Dichlorobenzene	0.6	9.2	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)				
1,2-Dichloroethane 1,2-Dichloropropane	0.005 0.005	0.031 0.042	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)				
1,3,5-Trimethylbenzene	0.005	5.1	ND (0.002)	ND (0.003) ND (0.002)	ND (0.003) ND (0.002)	ND (0.0003) ND (0.002)	ND (0.003)	ND (0.003) ND (0.002)	ND (0.003) ND (0.002)	ND (0.003)	ND (0.0003)	ND (0.0003) ND (0.002)	ND (0.0003)	ND (0.003)	ND (0.0003) ND (0.002)	ND (0.0003) ND (0.002)	ND (0.003)	ND (0.0003)
1,3-Dichlorobenzene	0.08	0.31	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.002)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.002)	ND (0.0005)	ND (0.005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,3-Dichloropropane	*	*	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)				
1,4-Dichlorobenzene	0.075	0.12	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)				
2,2-Dichloropropane	*	*	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)	ND (0.0005) UJ	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ	ND (0.0005) UJ
2-Butanone (Methyl ethyl ketone) (MEK) 2-Chlorotoluene	8.4	61	R ND (0.002)	ND (0.02) UJ	ND (0.02) UJ	ND (0.02)	ND (0.02)	R	R ND (0.002)	R ND (0.002)	R ND (0.002)	ND (0.02) UJ	ND (0.02) UJ	ND (0.02)	ND (0.02)	R ND (0.002)	R ND (0.002)	R NTD (0.002)
2-Hexanone	*	*	ND (0.002) R	ND (0.002) ND (0.02)	ND (0.002) ND (0.02)	ND (0.002) ND (0.02)	ND (0.002) ND (0.02)	ND (0.002) R	ND (0.002)	ND (0.002) R	ND (0.002) ND (0.02)	ND (0.002) ND (0.02) UJ	ND (0.002) ND (0.02)	ND (0.002) ND (0.02)	ND (0.002) ND (0.02)	ND (0.002) R	ND (0.002) ND (0.02)	ND (0.002) ND (0.02)
2-Phenylbutane (sec-Butylbenzene)	*	*	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)				
4-Chlorotoluene	*	*	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)				
4-Methyl-2-pentanone																		
(Methyl isobutyl ketone) (MIBK)	2.2	8.2	R	ND (0.02) UJ	ND (0.02)	ND (0.02)	ND (0.02)	R	ND (0.02)	R	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	R	ND (0.02)	ND (0.02)
Acetone	6.9	92	R	ND (0.02) UJ	ND (0.02)	ND (0.02)	ND (0.02)	R	0.0044 J	R	R	ND (0.02) UJ	ND (0.02)	ND (0.02)	ND (0.02)	R	0.0031 J	0.0043 J
Benzene Bromobenzene	0.005	0.052	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)				
Bromodichloromethane	0.08	0.08	ND (0.002) ND (0.0005)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002) ND (0.0005)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
Bromoform	0.08	0.36	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Bromomethane (Methyl bromide)	0.011	0.14	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ	ND (0.0005) UJ				
Carbon disulfide	1.3	10	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ	ND (0.0005) UJ				
Carbon tetrachloride	0.005	0.022	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	0.00073	0.00064	0.00075	0.00068	0.00074	0.00058	0.00059
Chlorobenzene	0.1	2	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)				
Chlorobromomethane Chloroethane	0.062	0.99	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)				
Chloroform (Trichloromethane)	0.08	1	ND (0.0005)	ND (0.0005)	0.00007 J	0.00006 J	0.00005 J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	0.00005 J	0.00006 J				
Chloromethane (Methyl chloride)	*	*	ND (0.0005)	ND (0.0005)	0.00006 J	0.00006 J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) U	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)				
cis-1,2-Dichloroethene	0.07	1	ND (0.0005)	0.00016 J	0.00023 J	0.0002 J	0.00012 J	0.00018 J	0.00029 J	0.00025 J	0.00015 J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
cis-1,3-Dichloropropene	*	*	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)				
Cymene (p-Isopropyltoluene)	*	*	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)				
Dibromochloromethane	*	*	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Dibromomethane	*	*	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)				
Dichlorodifluoromethane (CFC-12) Ethylbenzene	0.7	10	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) UJ ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) UJ ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) UJ ND (0.0005)	ND (0.0005) UJ ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)
Hexachlorobutadiene	0.011	0.031	ND (0.002)	ND (0.000)	ND (0.0003)	ND (0.002)	ND (0.003)	ND (0.003)	ND (0.003)	ND (0.002)	ND (0.003)	ND (0.002)	ND (0.002)	ND (0.003)	ND (0.000)	ND (0.003)	ND (0.002)	ND (0.003)
Isopropyl benzene	0.83	10	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)				
m&p-Xylene	*	*	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)				
Methyl tert butyl ether (MTBE)	0.04	0.72	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylene chloride	0.005	0.38	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002) U	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)				
Naphthalene	0.0083	2	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002) UJ	ND (0.002) U	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)				
N-Butylbenzene	*	*	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)				
N-Propylbenzene	0.31	4.1	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)				
o-Xylene Styrene	0.1	20	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)				
tert-Butylbenzene	*	*	ND (0.002)	ND (0.003) ND (0.002)	ND (0.003)	ND (0.0003)	ND (0.0003)	ND (0.003)	ND (0.003)	ND (0.002)	ND (0.0003)	ND (0.0003)	ND (0.002)	ND (0.003)	ND (0.0003)	ND (0.0003) ND (0.002)	ND (0.002)	ND (0.003)
Tetrachloroethene	0.005	0.055	0.00016 J	ND (0.0005)	ND (0.0005) U	0.00013 J	0.00025 J	0.00026 J	0.00008 J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) U	0.00017 J	0.0003 J	ND (0.0005)	ND (0.0005)	ND (0.0005)
Toluene	1	8.2	ND (0.0005) U	ND (0.0005) U	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.00053) U	ND (0.0005)	ND (0.0005)	ND (0.0005) U	ND (0.0005)	ND (0.0005) C	ND (0.0005)	ND (0.0005)	ND (0.0005) U	ND (0.0005)	ND (0.0005)
trans-1,2-Dichloroethene	0.1	2	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)				
trans-1,3-Dichloropropene	*	*	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)				
Trichloroethene	0.005	0.0072	0.0079ab	0.0038	0.0051a	0.0051a	0.0044	0.0052a	0.0057 ^a	0.0055a	0.005	0.00019 J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	0.00012 J	0.0001 J
Trichlorofluoromethane (CFC-11)	*	*	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)				
Vinyl chloride	0.002	0.004	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)				
Xylene (total)	10	20	-	-	-	-	` _ ′	-	-	`- '	-	-	-	-	`_ ′	-	-	`_ ′

TABLE 5.3 Page 36 of 44

Part	Sample Location:			OB-47S	OB-47S	OB-48D	OB-48D	OB-48D	OB-48D	OB-48D	OB-48D	OB-48D	OB-48D	OB-48D	OB-48D	OB-48D	OB-48S	OB-48S	OB-48S
Page	Sample ID: Sample Date:			,	,			GW-042407-NH-057			,				,	,			
Part	The state of the s			12/4/2000	3/30/2003	3/3/2000		4/24/2007	11/3/2007	1/23/2000	4/10/2000	3/22/2008	12/3/2008	3/21/2003	7/0/2003	10/20/2003	3/17/2000	7/27/2007	11/3/2007
1		IDEM RISC Defa	ult Closure Levels				(= ::												
West	Parameters	Residential																	
Line Mart	Volatila Oragnia Commounda (mall.)	а	b																
Control Cont		0.0069	0.11	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
				, ,	, ,	, ,	` ,	' '			, ,		, ,	' '			\ /	' '	
Continuement Cont	1,1,2,2-Tetrachloroethane	0.0009	0.014	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1-14 1-15				, ,	, ,	, ,	` ,	` /	` ,	` /	, ,	, ,	, ,	,	,	, ,	` ,	` ,	, ,
Second column				, ,	, ,	, ,	ND (0.0005)	ND (0.0005)	ND (0.0005)	, ,	, ,	, ,	, ,	. ,	, ,	, ,	` '	, ,	ND (0.0005)
		0.007		, ,	, ,	, ,	` ,	` /	, ,	, ,	, ,	, ,	, ,	,	, ,	, ,	` ,	` ,	, ,
1.		*		, ,	, ,	, ,		` /	` ,	' '	, ,	` ,	, ,	' '		` /	` ,	` ,	, ,
1. 1. 1. 1. 1. 1. 1. 1.		*	*					(/	, ,			(/						' '	, ,
1. 1. 1. 1. 1. 1. 1. 1.		0.07	1	, ,	, ,	, ,	` ,	` /	` ,	, ,	, ,	, ,	, ,	,	, ,	, ,	` ,	\ /	, ,
1			5.1																
1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-		*									, ,			, ,					
	1,2-Dibromoethane (Ethylene dibromide)	0.00005	0.0014	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
Second companies 100																			
1-1- 1-1-				, ,	, ,	, ,	, ,		, ,	, ,	, ,	, ,	, ,	, , ,	, ,	, ,	, ,	, ,	, ,
Part						, ,	` ,				, ,			' '			\ /	' '	, ,
1. 1. 1. 1. 1. 1. 1. 1.																			, ,
Marchander Mar		*	*			, ,	` ,				, ,								
Part		0.075	0.12				, ,											' '	
Part		*	*								, ,								
1	2-Butanone (Methyl ethyl ketone) (MEK)	8.4	61	R	R	ND (0.02) UJ	ND (0.02) UJ	ND (0.02)	ND (0.02)	ND (0.02)	R	R	R	R	R	R	ND (0.02) UJ	ND (0.02)	ND (0.02)
Part		*	*	, ,	, ,	, ,	(/	(/	, ,	, ,	, ,	(,	` ,	` /	, ,	, ,		, ,	, ,
Part		*	*		` '	, ,	` '	` ,	, ,	` '		. , ,					. , .	\ /	. ,
Confess Conf	. ,	*	*	, ,	, ,	` '	(/	(/	, ,	, ,	, ,	(,	` /		, ,	, ,	, ,	, ,	, ,
Marcine Marc				ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
Accors		2.2	8.2	R	ND (0.02)	ND (0.02) UI	ND (0.02) UI	ND (0.02)	ND (0.02)	ND (0.02)	R	R	ND (0.02)	R	R	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)
Professional Pro	, , , ,				R	. , .	, , ,	` ,	, ,	` '	R		. ,	R		` /	` '	\ /	. ,
December				ND (0.0005)	ND (0.0005)			,	, ,	` '	ND (0.0005)			ND (0.0005)	ND (0.0005)	ND (0.0005)			. ,
December	Bromobenzene	*	*	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
Process perfection Process					, ,	, ,	` ,	' '	` ,	' '	, ,	, ,	, ,	' '		` /		'	
Carbon tentifications 1.3				, ,		, , ,		` /	, ,	, ,	, ,	, ,		' '			\ /	` ,	, ,
Carbon extenderine class and size and				, ,	, ,	, ,	, ,	, ,	, ,	, , ,	, ,	, ,	, ,	, ,	, ,	, , ,	` ,	, ,	, ,
Charlesterescendenses																			
Process Proc											, ,	, ,					\ /	' '	
Chienchene Chi		*				, ,													
Columne Colu	Chloroethane	0.062	0.99			ND (0.0005)					ND (0.0005)	ND (0.0005)					ND (0.0005)	ND (0.0005)	
Col-12-Dichlored Here Col-	Chloroform (Trichloromethane)	0.08	1																
1		*	*	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) U	ND (0.0005)	ND (0.0005)	ND (0.0005)	0.00007 J	ND (0.0005)	ND (0.0005) U	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) U
Symethy Syme		0.07	1	, ,	, ,	, ,	, ,	. ,		, ,	. ,	, ,	, ,	, ,	, ,	, ,		-	, ,
Distronomendame *		*	*	, ,	, ,	, ,	` ,	` /	` ,	' '	, ,	, ,	, ,	' '	, ,	' '	` ,	\ /	' '
Process		*	*	` ,	(/	(/	(/	` ,	, ,	\ /	\ /	\ /	` ,	` ,	\ /	\ /	` /	' '	
		*	*	, ,	, ,	, ,	` ,	` /	` ,	` /	, ,	, ,	, ,	,		' '	` ,	' '	,
Ethylenocree		*	*	, ,	, ,	, ,	` ,	' '	\ /	' '	, ,	, ,	, ,	' '	, ,	' '	\ /	' '	' '
Heachine bundlednee 0.011 0.031 ND 0.002 ND	,	0.7	10	, , ,	, ,	, , ,	, , ,	, , ,	. , .	` /	, ,	, ,	, ,	, , ,	(, , ,	, ,	` ,	, , ,	, , ,
	Hexachlorobutadiene	0.011	0.031	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	, ,
Methyl tert butyl ether (MTBE) 0.04 0.72 Methyl ter butyl ether (ATBE) 0.05 0.38 ND (0.002)		0.83		, ,	\ /	, ,	(/	()	, ,	, ,	. ()	\ /	. ()	` /	\ /	(/	, ,	. ()	` '
Methylene chloride 0.005 0.38 ND (0.002) ND (0.002		*																	
$\begin{tabular}{ c c c c c c c c c c c c c c c c c c c$																			
N-Popylhenzene & * & * & ND (0.002) & ND						, ,	, ,	, ,	, ,	, ,	, ,	, ,	, ,	, ,		, ,	, ,	, ,	
$ NPropylbenzenee \\ 0.31 & 4.1 & ND (0.002) & ND (0.0002) & ND (0.002) & ND (0.002$			2					, ,	, ,								, ,	, ,	, ,
o-Xylene * * ND (0.0005) ND (0.0005) <td></td> <td></td> <td>4.1</td> <td></td> <td></td> <td></td> <td>, ,</td> <td>, ,</td> <td>, ,</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>, ,</td> <td></td> <td></td> <td>, ,</td>			4.1				, ,	, ,	, ,							, ,			, ,
		v.31	******	, ,		, ,	, ,	, ,			, ,	, ,	, ,	, ,			, ,	, ,	
tert-Butylbenzene * * ND (0.002)	3	0.1	20	, ,			, ,	, ,	, ,	, ,	, ,	, ,	, ,		, ,	, ,	, ,	, ,	, ,
Tetrachloroethene 0.005 0.055 ND (0.0005) ND (0.0005) <t< td=""><td></td><td>*</td><td></td><td></td><td></td><td>, ,</td><td>, ,</td><td>, ,</td><td>, ,</td><td>, ,</td><td>, ,</td><td>, ,</td><td></td><td>, ,</td><td>, ,</td><td>, ,</td><td>, ,</td><td>, ,</td><td>, ,</td></t<>		*				, ,	, ,	, ,	, ,	, ,	, ,	, ,		, ,	, ,	, ,	, ,	, ,	, ,
Toluene 1 8.2 ND (0.0005) ND (0.0005) VD (0.0005) ND (0.0005) VD (0.0005) ND (0.0005) VD (0.0005) ND (0.0005) N	*	0.005	0.055			, ,	, ,	, ,						, ,			` '	, ,	
		1		, ,	, ,	, ,	, ,		-	-		, , ,	, ,	, ,	, ,	, ,	, ,	. ,	-
trans-1,3-Dichloropropene * * ND (0.0005)	trans-1,2-Dichloroethene	0.1		, ,	, ,	•		, ,	, ,	, ,	, ,	, ,			, ,	, ,		, ,	, ,
$Trichlorofluoromethane (CFC-11) \\ Vinyl chloride \\ D.002 \\ D.004 \\ ND (0.0005) \\ ND $	trans-1,3-Dichloropropene	*	*	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Vinyl chloride 0.002 0.004 ND (0.0005)	Trichloroethene	0.005	0.0072	0.0001 J	ND (0.0005)	0.00051	0.00047 J	0.00031 J	0.00036 J	0.00035 J	0.00038 J	0.00033 J	0.00037 J	0.00034 J	0.00031 J	0.00038 J	0.003	0.0026	0.0028
	Trichlorofluoromethane (CFC-11)	*	*	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Xylene (total) 10 20	Vinyl chloride	0.002		ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
	Xylene (total)	10	20	-	=	=	=	-	-	-	=	=	-	-	-	-	-	-	-

TABLE 5.3 Page 37 of 44

Sample Location: Sample ID: Sample Date:			OB-48S GW-012308-NH-015 1/23/2008	OB-48S GW-041608-JP-039 4/16/2008	OB-48S GW-092208-JP-022 9/22/2008	OB-48S GW-120508-JP-017 12/5/2008	OB-48S GW-032709-JP-012 3/27/2009	OB-48S GW-070709-JP-002 7/7/2009	OB-48S GW-102809-JP-006 10/28/2009	OB-49 GW-081307-MG-001 8/13/2007	OB-49 GW-081307-MG-002 8/13/2007	OB-49 GW-111207-NH-062 11/12/2007	OB-49 GW-111207-NH-063 11/12/2007	OB-49 GW-012208-NH-007 1/22/2008	OB-49 GW-041708-JP-048 4/17/2008	OB-49 GW-092308-JP-035 9/23/2008	OB-49 GW-120508-JP-018 12/5/2008	OB-49 GW-032509-JP-007 3/25/2009
Sample Type:			1/23/2000	410/2000	3/22/2000	12/3/2000	5/21/2005	7772003	10/20/2003	0/13/2007	(Duplicate)	11/12/2007	(Duplicate)	1/22/2000	4172000	3/23/2000	12/3/2000	3/23/2003
, 3,	IDEM RISC Defai	ult Closure Levels											. ,					
Parameters	Residential	Industrial																
Volatile Organic Compounds (mg/L)	а	b																
1,1,1,2-Tetrachloroethane	0.0069	0.11	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)				
1,1,1-Trichloroethane	0.2	29	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)				
1,1,2,2-Tetrachloroethane	0.0009	0.014	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)				
1,1,2-Trichloroethane	0.005	0.05 10	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)				
1,1-Dichloroethane 1,1-Dichloroethene	0.99 0.007	5.1	ND (0.0005)	ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)				
1,1-Dichloropropene	0.007 *	3.1 *	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)				
1,2,3-Trichlorobenzene	*	*	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)				
1,2,3-Trichloropropane	*	*	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)				
1,2,4-Trichlorobenzene	0.07	1	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)				
1,2,4-Trimethylbenzene	0.016	5.1 *	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)				
1,2-Dibromo-3-chloropropane (DBCP) 1,2-Dibromoethane (Ethylene dibromide)	0.00005	0.0014	ND (0.002) ND (0.002)	R ND (0.002)	ND (0.002) UJ ND (0.002)	ND (0.002) ND (0.002)	R ND (0.002)	R ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	R ND (0.002)	ND (0.002) UJ ND (0.002)	ND (0.002) ND (0.002)	R ND (0.002)
1,2-Dichlorobenzene	0.6	9.2	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.0005)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.0005)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
1,2-Dichloroethane	0.005	0.031	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,2-Dichloropropane	0.005	0.042	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)				
1,3,5-Trimethylbenzene	0.016	5.1	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)				
1,3-Dichlorobenzene 1,3-Dichloropropane	0.08	0.31	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)				
1,4-Dichlorobenzene	0.075	0.12	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)				
2,2-Dichloropropane	*	*	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)				
2-Butanone (Methyl ethyl ketone) (MEK)	8.4	61	ND (0.02)	R	R	R	R	R	R	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	R	R	R	R
2-Chlorotoluene	*	*	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)				
2-Hexanone 2-Phenylbutane (sec-Butylbenzene)	*	*	ND (0.02) ND (0.002)	R ND (0.002)	ND (0.02) UJ ND (0.002)	R ND (0.002)	R ND (0.002)	R ND (0.002)	R ND (0.002)	ND (0.02) ND (0.002)	ND (0.02) ND (0.002)	ND (0.02) ND (0.002)	ND (0.02) ND (0.002)	ND (0.02) ND (0.002)	R ND (0.002)	ND (0.02) ND (0.002)	R ND (0.002)	R ND (0.002)
4-Chlorotoluene	*	*	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)				
4-Methyl-2-pentanone			,	,	,	,	,	,	,	,	,	,	, ,	,	, ,	, ,	, ,	, ,
(Methyl isobutyl ketone) (MIBK)	2.2	8.2	ND (0.02)	R	R	R	R	R	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	R	ND (0.02)	R	R
Acetone	6.9 0.005	92 0.052	ND (0.02)	R	R	R	R	R	R	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	R	0.0025 J	R	R
Benzene Bromobenzene	0.005 *	0.052 *	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)				
Bromodichloromethane	0.08	0.08	0.00082	0.00048 J	0.00063	0.00046 J	0.00076	0.00046 J	0.00044 J	ND (0.002)	ND (0.002)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Bromoform	0.08	0.36	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)				
Bromomethane (Methyl bromide)	0.011	0.14	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)
Carbon disulfide	1.3 0.005	10	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)				
Carbon tetrachloride Chlorobenzene	0.005	0.022 2	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)				
Chlorobromomethane	*	*	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)				
Chloroethane	0.062	0.99	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)				
Chloroform (Trichloromethane)	0.08	1	0.0011	0.00087	0.00075	0.00074	0.0014	0.00079	0.0008	0.00019 J	0.00019 J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Chloromethane (Methyl chloride)	*	*	ND (0.0005)	ND (0.0005) U	ND (0.0005)	0.00031 J	0.00028 J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)				
cis-1,2-Dichloroethene	0.07	1	0.00019 J ND (0.0005)	0.00013 J	0.00019 J ND (0.0005)	0.00011 J ND (0.0005)	0.00023 J	0.00015 J	0.00016 J ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) ND (0.0005)
cis-1,3-Dichloropropene Cymene (p-Isopropyltoluene)	*	*	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.003) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)				
Dibromochloromethane	*	*	0.00027 J	0.0002 J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Dibromomethane	*	*	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)				
Dichlorodifluoromethane (CFC-12)	* 0.7	* 10	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Ethylbenzene Hexachlorobutadiene	0.7 0.011	10 0.031	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)				
Isopropyl benzene	0.83	10	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)				
m&p-Xylene	*	*	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)				
Methyl tert butyl ether (MTBE)	0.04	0.72	-	-	=	=	=	-	-	-	-	=	-	-	-	=	-	-
Methylene chloride	0.005	0.38	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)				
Naphthalene N-Butylbenzene	0.0083	2	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) UJ ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) U ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)
N-Propylbenzene N-Propylbenzene	0.31	4.1	ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)
o-Xylene	*	*	ND (0.005)	ND (0.005)	ND (0.0005)	ND (0.0005)	ND (0.005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.002)	ND (0.005)	ND (0.002)	ND (0.005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Styrene	0.1	20	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)				
tert-Butylbenzene	*	*	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)				
Tetrachloroethene	0.005	0.055	0.00035 J	0.00036 J	0.00012 J	0.00008 J	0.0001 J	0.00007 J	ND (0.0005) U	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	0.00015 J	0.00013 J	ND (0.0005)	ND (0.0005)	ND (0.0005)
Toluene trans-1,2-Dichloroethene	1 0.1	8.2 2	ND (0.0005) ND (0.0005)	ND (0.0005) U ND (0.0005)	ND (0.0005) U ND (0.0005)	0.00009 J ND (0.0005)	0.00029 J ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) U ND (0.0005)	ND (0.0005) U	ND (0.0005) U ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) U	ND (0.0005) ND (0.0005)	ND (0.0005)	ND (0.0005) U ND (0.0005)
trans-1,2-Dichloropropene trans-1,3-Dichloropropene	0.1 *	*	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)				
Trichloroethene	0.005	0.0072	0.0029	0.003	0.0023	0.0022	0.0026	0.0016	0.0021	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	0.00017 J	ND (0.0005)	ND (0.0005)
Trichlorofluoromethane (CFC-11)	*	*	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Vinyl chloride	0.002	0.004	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)				
Xylene (total)	10	20	-	- '	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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Sample Location: Sample ID:			OB-49 GW-070709-JP-005	OB-49 GW-102709-JP-005	OB-50 GW-081307-MG-003	OB-50 GW-111207-NH-068	OB-50 GW-012908-NH-037	OB-50 7 GW-041708-JP-049	OB-50 GW-092308-JP-034	OB-50 GW-120308-JP-006	OB-50 GW-032409-JP-004	OB-50 GW-032409-JP-005	OB-50 GW-070809-JP-007	OB-50 7 GW-102709-JP-004	OB-51 GW-081307-MG-006	OB-51 GW-111207-NH-067	OB-51 GW-012908-NH-04	OB-51 9 GW-041708-JP-05
Sample Date:			7/7/2009	10/27/2009	8/13/2007	11/12/2007	1/29/2008	4/17/2008	9/23/2008	12/3/2008	3/24/2009	3/24/2009	7/8/2009	10/27/2009	8/13/2007	11/12/2007	1/29/2008	4/17/2008
Sample Type:												(Duplicate)						
Parameters	IDEM RISC Defa Residential	ult Closure Levels Industrial h																
Volatile Organic Compounds (mg/L)																		
,1,1,2-Tetrachloroethane ,1,1-Trichloroethane	0.0069 0.2	0.11 29	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)
,1,2,2-Tetrachloroethane	0.0009	0.014	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
,1,2-Trichloroethane	0.005	0.05	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
,1-Dichloroethane	0.99	10	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
,1-Dichloroethene	0.007	5.1	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
,1-Dichloropropene	*	*	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
,2,3-Trichlorobenzene	*	*	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002) UJ	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
,2,3-Trichloropropane	0.07	1	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005)
,2,4-Trichlorobenzene ,2,4-Trimethylbenzene	0.07	5.1	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)
,2-Dibromo-3-chloropropane (DBCP)	*	*	R	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	R	ND (0.002) UJ	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	R				
,2-Dibromoethane (Ethylene dibromide)	0.00005	0.0014	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
,2-Dichlorobenzene	0.6	9.2	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
,2-Dichloroethane	0.005	0.031	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
,2-Dichloropropane	0.005	0.042	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
,3,5-Trimethylbenzene ,3-Dichlorobenzene	0.016 0.08	5.1 0.31	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)
,3-Dichloropropane	*	v.51	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005)	ND (0.0005)
,4-Dichlorobenzene	0.075	0.12	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
2,2-Dichloropropane	*	*	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
2-Butanone (Methyl ethyl ketone) (MEK)	8.4	61	R	R	ND (0.02)	ND (0.02)	ND (0.02)	R	R	R	R	R	R	R	ND (0.02)	ND (0.02)	ND (0.02)	R
2-Chlorotoluene	*	*	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
-Hexanone	*	*	R NID (0.002)	R	ND (0.02)	ND (0.02)	ND (0.02)	R	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	R NID (0.002)	R	ND (0.02)	ND (0.02)	ND (0.02)	R NTD (0.002)
-Phenylbutane (sec-Butylbenzene) -Chlorotoluene	*	*	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)
-Methyl-2-pentanone			ND (0.002)	ND (0.002)	14D (0.002)	ND (0.002)	14D (0.002)	ND (0.002)	ND (0.002)	14D (0.002)	110 (0.002)	ND (0.002)	14D (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	14D (0.002)	14D (0.002)
(Methyl isobutyl ketone) (MIBK)	2.2	8.2	R	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	R	ND (0.02)	R	R	R	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	R
acetone	6.9	92	R	R	ND (0.02)	ND (0.02)	ND (0.02)	R	0.006 J	R	R	R	ND (0.02)	R	ND (0.02)	ND (0.02)	ND (0.02)	R
enzene	0.005	0.052	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) U	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
romobenzene	0.08	0.08	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
romodichloromethane romoform	0.08	0.08	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)
Bromomethane (Methyl bromide)	0.011	0.14	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Carbon disulfide	1.3	10	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Carbon tetrachloride	0.005	0.022	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Chlorobenzene	0.1	2	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Chlorobromomethane	*	*	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Chloroethane Chloroform (Trichloromethane)	0.062 0.08	0.99 1	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) 0.00009 J	ND (0.0005) 0.00011 J	ND (0.0005) 0.0001 J	ND (0.0005) 0.00011 J	ND (0.0005) 0.0001 J	ND (0.0005) 0.0001 J	ND (0.0005) 0.00017 J	ND (0.0005) 0.0002 J	ND (0.0005) 0.00016 J	ND (0.0005) 0.00016 J
Chloromethane (Methyl chloride)	*	*	ND (0.0005) U	ND (0.0005)	0.00018 J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	0.00011 J	ND (0.0005)	ND (0.0005)	ND (0.0005) U	ND (0.0005)	0.00017 J	ND (0.0005)	ND (0.0005)	ND (0.0005)
is-1,2-Dichloroethene	0.07	1	ND (0.0005)	ND (0.0005)	0.0046	0.0056	0.0045	0.0044	0.0072	0.0078	0.0065	0.0067	0.0064	0.0066	ND (0.0009) U	0.0018	0.0033	0.0021
is-1,3-Dichloropropene	*	*	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Cymene (p-Isopropyltoluene)	*	*	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
Dibromochloromethane	*	*	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Dibromomethane	*	*	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Dichlorodifluoromethane (CFC-12)	*	*	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Ethylbenzene Hexachlorobutadiene	0.7 0.011	10 0.031	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005)
sopropyl benzene	0.011	10	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)
n&p-Xylene	*	*	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
Methyl tert butyl ether (MTBE)	0.04	0.72	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylene chloride	0.005	0.38	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
laphthalene	0.0083	2	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002) UJ	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
-Butylbenzene	*	*	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
-Propylbenzene	0.31	4.1	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
Xylene	* 0.1	* 20	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
tyrene ert-Butylbenzene	0.1 *	20 *	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)
etrachloroethene	0.005	0.055	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	0.00016 J	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002) ND (0.0005)	ND (0.005)	ND (0.002)	ND (0.002) ND (0.0005) U	ND (0.002)	0.00019 J	0.00023 J
oluene	1	8.2	ND (0.0005)	ND (0.0005) ND (0.0005) U	ND (0.0005) U	ND (0.0005) ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	0.00046 J	0.00061	ND (0.0005)	ND (0.0005) U	ND (0.0005) U	ND (0.0005)	ND (0.0005)	ND (0.0005)
ans-1,2-Dichloroethene	0.1	2	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	0.00035 J	0.00021 J	ND (0.0005)	0.00011 J	0.00012 J	0.00011 J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
ans-1,3-Dichloropropene	*	*	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
richloroethene	0.005	0.0072	0.00017 J	0.00032 J	0.021 ^{ab}	0.029 ^{ab}	0.028 ^{ab}	0.032ab	0.03 ^{ab}	0.034 ^{ab}	0.035ab	0.036 ^{ab}	0.03 ^{ab}	0.027 ^{ab}	0.0063 ^a	0.014 ^{ab}	0.02 ^{ab}	0.018 ^{ab}
richlorofluoromethane (CFC-11)	*	*	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
'inyl chloride	0.002	0.004	ND (0.0005)	ND (0.0005)	0.00007 J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
(ylene (total)	10	20		-	_	· <u>-</u>	_	-	_	- · · · · ·	- · ·	-		<u>-</u>		-		

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Sample Location:			OB-51	OB-51	OB-51	OB-51	OB-51	OB-51	OB-52	OB-52	OB-52	OB-52	OB-52	OB-52	OB-52	OB-52	OB-52	OB-52	OB-53
Sample ID:			GW-092308-JP-030				GW-070709-JP-004		GW-081307-MG-005	GW-111207-NH-066			GW-092308-JP-032	GW-120308-JP-007	GW-120308-JP-008	GW-032409-JP-002	GW-070709-JP-003	GW-102709-JP-002	GW-081307-MG-004
Sample Date:			9/23/2008	9/23/2008	12/3/2008	3/24/2009	7/7/2009	10/27/2009	8/13/2007	11/12/2007	1/29/2008	4/21/2008	9/23/2008	12/3/2008	12/3/2008	3/24/2009	7/7/2009	10/27/2009	8/13/2007
Sample Type:	IDEM RISC Defai	ilt Closura I anals		(Duplicate)											(Duplicate)				
Parameters	Residential	Industrial																	
Volatile Organic Compounds (mg/L)	а	ь																	
1,1,1,2-Tetrachloroethane	0.0069	0.11	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,1,1-Trichloroethane	0.2	29	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,1,2,2-Tetrachloroethane 1,1,2-Trichloroethane	0.0009 0.005	0.014 0.05	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)
1,1-Dichloroethane	0.99	10	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,1-Dichloroethene	0.007	5.1	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,1-Dichloropropene	*	*	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,2,3-Trichlorobenzene	*	*	ND (0.002)	ND (0.002)	ND (0.002) UJ	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002) UJ	ND (0.002) UJ	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
1,2,3-Trichloropropane	0.07	*	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)				
1,2,4-Trichlorobenzene 1,2,4-Trimethylbenzene	0.07	5.1	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)
1,2-Dibromo-3-chloropropane (DBCP)	*	*	ND (0.002) UJ	ND (0.002) UJ	ND (0.002)	ND (0.002)	R	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	R	ND (0.002) UJ	ND (0.002)	ND (0.002)	ND (0.002)	R	ND (0.002)	ND (0.002)
1,2-Dibromoethane (Ethylene dibromide)	0.00005	0.0014	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
1,2-Dichlorobenzene	0.6	9.2	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,2-Dichloroethane 1,2-Dichloropropane	0.005 0.005	0.031 0.042	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)
1,3.5-Trimethylbenzene	0.016	5.1	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.003)	ND (0.002)	ND (0.0003)	ND (0.003)	ND (0.003)	ND (0.002)	ND (0.002)	ND (0.0003)	ND (0.002)	ND (0.003)	ND (0.002)	ND (0.003)	ND (0.0003)	ND (0.003)
1,3-Dichlorobenzene	0.08	0.31	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,3-Dichloropropane	*	*	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,4-Dichlorobenzene 2,2-Dichloropropane	0.075	0.12	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)
2-Butanone (Methyl ethyl ketone) (MEK)	8.4	61	R (0.0003)	R (0.0003)	R (0.0003)	R (0.0003)	R (0.0003)	R (0.0005)	ND (0.003)	ND (0.003)	ND (0.003)	R (0.0003)	R (0.0003)	R (0.0003)	R (0.0003)	RD (0.0003)	R (0.0003)	R (0.0003)	ND (0.003)
2-Chlorotoluene	*	*	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
2-Hexanone	*	*	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	R	R	ND (0.02)	ND (0.02)	ND (0.02)	R	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	R	R	ND (0.02)
2-Phenylbutane (sec-Butylbenzene)	*	*	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002) U	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002) U	ND (0.002)	ND (0.002)	ND (0.002)
4-Chlorotoluene 4-Methyl-2-pentanone			ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
(Methyl isobutyl ketone) (MIBK)	2.2	8.2	ND (0.02)	ND (0.02)	R	R	R	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	R	ND (0.02)	R	R	R	R	ND (0.02)	ND (0.02)
Acetone	6.9	92	0.0038 J	0.0046 J	R	R	R	R	ND (0.02)	ND (0.02)	ND (0.02)	R	0.017 J	R	R	R	R	R	ND (0.02)
Benzene	0.005	0.052	ND (0.0005)	ND (0.0005)	ND (0.0005) U	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) U	ND (0.0005) U	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Bromobenzene Bromodichloromethane	0.08	0.08	ND (0.002) 0.00006 J	ND (0.002) 0.00007 J	ND (0.002) 0.00008 J	ND (0.002) ND (0.0005)	ND (0.002) 0.0001 J	ND (0.002) 0.0001 J	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)
Bromoform	0.08	0.36	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Bromomethane (Methyl bromide)	0.011	0.14	ND (0.0005) UJ	ND (0.0005) UJ	0.00008 J	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)
Carbon disulfide	1.3	10	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Carbon tetrachloride Chlorobenzene	0.005 0.1	0.022 2	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)
Chlorobromomethane	*	*	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Chloroethane	0.062	0.99	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Chloroform (Trichloromethane)	0.08	1	0.00021 J	0.00021 J	0.00027 J	0.00018 J	0.00022 J	0.00027 J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	0.00013 J	0.00012 J	0.00013 J	0.00009 J	0.00011 J	0.00013 J	ND (0.0005)
Chloromethane (Methyl chloride)	*	*	ND (0.0005)	ND (0.0005)	0.0001 J	ND (0.0005)	ND (0.0005) U	ND (0.0005)	0.00023 J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	0.0001 J	0.00008 J	ND (0.0005)	ND (0.0005) U	ND (0.0005)	0.00034 J
cis-1,2-Dichloroethene	0.07	1	0.0012	0.0013	0.002	0.0036	0.00075	0.0012	ND (0.00084) U	0.00065	0.00067	0.00054	0.00054	0.00068	0.00067	0.00041 J	0.00055	0.00051	ND (0.0005)
cis-1,3-Dichloropropene Cymene (p-Isopropyltoluene)	*	*	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002) U	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)
Dibromochloromethane	*	*	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Dibromomethane	*	*	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Dichlorodifluoromethane (CFC-12)	*	*	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)
Ethylbenzene Hexachlorobutadiene	0.7 0.011	10 0.031	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)
Isopropyl benzene	0.83	10	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
m&p-Xylene	*	*	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	0.00031 J
Methyl tert butyl ether (MTBE)	0.04	0.72	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylene chloride	0.005	0.38	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
Naphthalene	0.0083	2	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) UJ ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) UJ ND (0.002)	ND (0.002) UJ ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002)
N-Butylbenzene N-Propylbenzene	0.31	4.1	ND (0.002) ND (0.002)	ND (0.002)	ND (0.002) ND (0.002)	ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002) U	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)
o-Xylene	*	*	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.0005)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002) C	ND (0.002)	ND (0.002)	0.00011 J
Styrene	0.1	20	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
tert-Butylbenzene	*	*	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
Tetrachloroethene	0.005	0.055	0.0001 J	0.00008 J	ND (0.0005)	ND (0.0005) U	ND (0.0005)	ND (0.0005) U	ND (0.0005) U	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)				
Toluene trans-1,2-Dichloroethene	1 0.1	8.2 2	ND (0.0005) 0.00006 J	ND (0.0005) U 0.00005 J	ND (0.0005) 0.00011 J	0.00016 J 0.0001 J	ND (0.0005) ND (0.0005)	ND (0.0005) U ND (0.0005)	ND (0.0005) U ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	0.00031 J ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	0.00036 J ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) U ND (0.0005)	ND (0.0005) U ND (0.0005)
trans-1,2-Dichloropethene trans-1,3-Dichloropropene	*	*	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) ND (0.0005)
Trichloroethene	0.005	0.0072	0.012 ^{ab}	0.012 ^{ab}	0.016 ^{ab}	0.023 ^{ab}	0.012 ^{ab}	0.013 ^{ab}	0.0087 ^{ab}	0.012 ^{ab}	0.013 ^{ab}	0.012 ^{ab}	0.012 ^{ab}	0.013 ^{ab}	0.013 ^{ab}	0.013 ^{ab}	0.012 ^{ab}	0.011 ^{ab}	0.0017
Trichlorofluoromethane (CFC-11)	*	*	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Vinyl chloride	0.002	0.004	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Xylene (total)	10	20	-	-	-	-	-	-	-	-	=	-	=	=	-	-	=	=	=

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Sample Location:			OB-53	OB-53	OB-53	OB-53	OB-53	OB-53	OB-53	OB-53	OB-54	OB-54	OB-54	OB-54	OB-54	OB-54	OB-54	PZ-01	PZ-01
Sample ID: Sample Date:			GW-111207-NH-064 11/12/2007	GW-012308-NH-017 1/23/2008	GW-042108-JP-056 4/21/2008	GW-092308-JP-029 9/23/2008	9 GW-120308-JP-009 12/3/2008	0 GW-032409-JP-001 3/24/2009	GW-070709-JP-001 7/7/2009	1 GW-102709-JP-001 10/27/2009	GW-013008-NH-05 1/30/2008	68 GW-042208-JP-062 4/22/2008	2 GW-092308-JP-033 9/23/2008	3 GW-120308-JP-010 12/3/2008	0 GW-032509-JP-006 3/25/2009	GW-070909-JP-015 7/9/2009	6 GW-102909-JP-014 10/29/2009	GW-082603-BT-001 8/26/2003	GW-082603-BT-002 8/26/2003
Sample Type:			11/12/2007	1/23/2000	4/21/2000	3/23/2000	12/3/2000	3/24/2003	7/1/2003	10/27/2003	1/30/2000	4/22/2000	3/23/2008	12/3/2000	3/23/2009	1/3/2003	10/23/2003	3/20/2003	(Duplicate)
, ,,	IDEM RISC Defa	ult Closure Levels																	. ,
Parameters	Residential	Industrial																	
Volatile Organic Compounds (mg/L)	а	ь																	
1,1,1,2-Tetrachloroethane	0.0069	0.11	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	-	-
1,1,1-Trichloroethane	0.2	29	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	-	-
1,1,2,2-Tetrachloroethane	0.0009	0.014	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	-	-
1,1,2-Trichloroethane	0.005	0.05	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	-	-
1,1-Dichloroethane	0.99	10	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	-	-
1,1-Dichloroethene	0.007	5.1	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	-	-
1,1-Dichloropropene	*	*	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) ND (0.002)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	-	-
1,2,3-Trichlorobenzene 1,2,3-Trichloropropane	*	*	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) UJ ND (0.0005)	ND (0.002) U ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) UJ ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	-	-
1,2,4-Trichlorobenzene	0.07	1	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.003)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.003)	ND (0.002)	ND (0.002)	-	-
1,2,4-Trimethylbenzene	0.016	5.1	ND (0.002)	ND (0.002)	ND (0.002)	0.00007 J	ND (0.002)	ND (0.002) U	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	-	-
1,2-Dibromo-3-chloropropane (DBCP)	*	*	ND (0.002)	ND (0.002)	R	ND (0.002) UJ	ND (0.002)	ND (0.002)	R	ND (0.002)	ND (0.002)	R	ND (0.002) UJ	ND (0.002)	R	ND (0.002)	ND (0.002)	-	-
1,2-Dibromoethane (Ethylene dibromide)	0.00005	0.0014	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	-	-
1,2-Dichlorobenzene	0.6	9.2	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	-	-
1,2-Dichloroethane	0.005 0.005	0.031 0.042	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	-	-
1,2-Dichloropropane 1,3,5-Trimethylbenzene	0.005	5.1	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.003)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002) U	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)		-
1,3-Dichlorobenzene	0.08	0.31	ND (0.0005)	ND (0.0005)	ND (0.005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.002)	-	-
1,3-Dichloropropane	*	*	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	-	-
1,4-Dichlorobenzene	0.075	0.12	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	-	-
2,2-Dichloropropane	*	*	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	-	-
2-Butanone (Methyl ethyl ketone) (MEK)	8.4	61	ND (0.02)	ND (0.02)	R	R	R	R	R	R	ND (0.02)	R	R	R	R	R	R	-	-
2-Chlorotoluene 2-Hexanone	*	*	ND (0.002) ND (0.02)	ND (0.002) ND (0.02)	ND (0.002) R	ND (0.002) ND (0.02)	ND (0.002) ND (0.02)	ND (0.002) ND (0.02)	ND (0.002) R	ND (0.002)	ND (0.002) ND (0.02)	ND (0.002) R	ND (0.002) ND (0.02)	ND (0.002) ND (0.02)	ND (0.002) R	ND (0.002) ND (0.02)	ND (0.002) ND (0.02)	-	-
2-Phenylbutane (sec-Butylbenzene)	*	*	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002) U	ND (0.002)	ND (0.002)	ND (0.02)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.02)	ND (0.002)	-	-
4-Chlorotoluene	*	*	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	-	-
4-Methyl-2-pentanone																			
(Methyl isobutyl ketone) (MIBK)	2.2	8.2	ND (0.02)	ND (0.02)	R	ND (0.02)	R	R	R	ND (0.02)	ND (0.02)	R	ND (0.02)	R	R	R	R	-	-
Acetone	6.9	92	ND (0.02)	ND (0.02)	R	0.0087 J	R	R	R	R	ND (0.02)	R	0.014 J	R	R	R	R		
Benzene	0.005	0.052	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) U	ND (0.0005)	ND (0.0005) U	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) U	ND (0.0005)	ND (0.0005)	ND (0.0005) U	ND (0.001)	ND (0.001)
Bromobenzene Bromodichloromethane	0.08	0.08	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	-	-
Bromoform	0.08	0.36	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	-	-
Bromomethane (Methyl bromide)	0.011	0.14	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ	ND (0.0005) UJ	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	-	-
Carbon disulfide	1.3	10	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	-	-
Carbon tetrachloride	0.005	0.022	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	0.00008 J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	-	-
Chlorobenzene	0.1	2	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	-	-
Chlorobromomethane Chloroethane	0.062	0.99	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) UJ ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	-	-
Chloroform (Trichloromethane)	0.08	0.99	ND (0.0005)	ND (0.0005)	ND (0.0005)	0.00008 J	0.00012 J	0.0001 J	ND (0.0005)	0.00012 J	0.00021 J	0.00015 J	0.00012 J	0.00016 J	0.00016 J	0.00015 J	0.00014 J	-	-
Chloromethane (Methyl chloride)	*	*	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	0.00012 J	ND (0.0005)	ND (0.0005) U	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	0.00010 J	ND (0.0005)	ND (0.0005) U	ND (0.0005)	_	-
cis-1,2-Dichloroethene	0.07	1	ND (0.0005)	ND (0.0005)	ND (0.0005)	0.00022 J	0.00033 J	0.00012 J	ND (0.0005)	0.00033 J	0.0067 J	0.0058	0.0044	0.0049	0.0045	0.0043	0.0043	_	_
cis-1,3-Dichloropropene	*	*	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	_	_
Cymene (p-Isopropyltoluene)	*	*	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002) Ú	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	-	-
Dibromochloromethane	*	*	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	-	-
Dibromomethane	*	*	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	-	-
Dichlorodifluoromethane (CFC-12) Ethylbenzene	0.7	10	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) UJ ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) UJ ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.001)	ND (0.001)
Hexachlorobutadiene	0.011	0.031	ND (0.003)	ND (0.002)	ND (0.003)	ND (0.002)	ND (0.002)	ND (0.003)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.003)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.0003)	ND (0.001)	ND (0.001)
Isopropyl benzene	0.83	10	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002) U	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	-	-
m&p-Xylene	*	*	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	-	-
Methyl tert butyl ether (MTBE)	0.04	0.72	-	-	=	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	ND (0.005)
Methylene chloride	0.005	0.38	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	-	-
Naphthalene	0.0083	2	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002) UJ	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002) UJ	ND (0.002)	ND (0.002)	ND (0.002)	-	-
N-Butylbenzene	*	*	ND (0.002)	ND (0.002)	ND (0.002)	0.00007 J	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	-	-
N-Propylbenzene	0.31	4.1	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002) U	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	-	-
o-Xylene	0.1	20	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	-	-
Styrene tert-Butylbenzene	0.1	∠U *	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002) U	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	-	-
Tetrachloroethene	0.005	0.055	0.00021 J	0.00036 J	0.00046 J	0.0003 J	0.0003 J	ND (0.002) U	0.00019 J	ND (0.005) U	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.005)	ND (0.005)	-	-
Toluene	0.005	8.2	ND (0.0005)	ND (0.0005)	0.00046 J 0.00013 J	ND (0.0005)	0.0003 J 0.00007 J	0.00078	ND (0.0005)	ND (0.0005) U ND (0.0005) U	ND (0.0005) ND (0.0005) U	ND (0.0005) ND (0.0005) U	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) U	ND (0.0005) ND (0.0005)	ND (0.0005) U	ND (0.001)	ND (0.001)
trans-1,2-Dichloroethene	0.1	2	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) C	0.00015 J	0.00007 J	0.00023 J	0.00014 J	0.00016 J	ND (0.0005)	-	- (0.001)
trans-1,3-Dichloropropene	*	*	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	-	-
Trichloroethene	0.005	0.0072	0.0037	0.0037	0.0031	0.0037	0.0056a	0.0056 ^a	0.0018	0.0053a	0.03 ^{ab}	0.035 ^{ab}	0.028 ^{ab}	0.04 ^{ab}	0.039 ^{ab}	0.044 ab	0.043 ^{ab}] -	-
Trichlorofluoromethane (CFC-11)	*	*	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ	_	-
Vinyl chloride	0.002	0.004	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	-	-
Xylene (total)	10	20	-	- '	-	- ′	- /	- '	· - ′	-	-	- '	- ′	- /	-	- /	-	ND (0.002)	ND (0.002)

TABLE 5.3
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Sample Location: Sample ID:			PZ-01 GW-102203-MG-009	PZ-01 GW-120204-MG-010	PZ-01 GW-080105-TP-028	PZ-01 GW-111705-MG-069	PZ-01 GW-021306-MG-034	PZ-01 GW-050106-NRS-042	PZ-02 GW-082603-BT-003	PZ-02 GW-102203-MG-010	PZ-02 GW-120204-MG-012	PZ-02 GW-080105-TP-027	PZ-02 GW-111705-MG-071	PZ-02 GW-050106-NRS-041	PZ-03 GW-082603-BT-004	PZ-03 GW-102203-MG-011	PZ-03 GW-120204-MG-011	PZ-03 GW-080105-TP-026
Sample Date:			10/22/2003	12/2/2004	8/1/2005	11/17/2005	2/13/2006	5/1/2006	8/26/2003	10/22/2003	12/2/2004	8/1/2005	11/17/2005	5/1/2006	8/26/2003	10/22/2003	12/2/2004	8/1/2005
Sample Type:																		
Parameters	IDEM RISC Defai Residential	ult Closure Levels Industrial																
Futumeters	a	b																
Volatile Organic Compounds (mg/L)																		
1,1,1,2-Tetrachloroethane	0.0069	0.11	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	-	ND (0.0005)	-	ND (0.0005)	ND (0.0005)	ND (0.0005)				
1,1,1-Trichloroethane 1,1,2,2-Tetrachloroethane	0.2 0.0009	29 0.014	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	-	ND (0.0005) ND (0.0005)	-	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)				
1,1,2-Trichloroethane	0.005	0.05	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	-	ND (0.0005)	-	ND (0.0005)	ND (0.0005)	ND (0.0005)				
1,1-Dichloroethane	0.99	10	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	-	ND (0.0005)	-	ND (0.0005)	ND (0.0005)	ND (0.0005)				
1,1-Dichloroethene	0.007	5.1	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	-	ND (0.0005)	-	ND (0.0005)	ND (0.0005)	ND (0.0005)				
1,1-Dichloropropene 1,2,3-Trichlorobenzene	*	*	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	-	ND (0.0005)	-	ND (0.0005)	ND (0.0005)	ND (0.0005)				
1,2,3-Trichloropenzene 1,2,3-Trichloropropane	*	*	ND (0.002) UJ ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	-	ND (0.002) UJ ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	-	ND (0.002) UJ ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)
1,2,4-Trichlorobenzene	0.07	1	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	-	ND (0.002)	-	ND (0.002)	ND (0.002)	ND (0.002)				
1,2,4-Trimethylbenzene	0.016	5.1	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	-	ND (0.002)	-	ND (0.002)	ND (0.002)	ND (0.002)				
1,2-Dibromo-3-chloropropane (DBCP)	*	*	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002) UJ	ND (0.002)	-	ND (0.002)	-	ND (0.002)	ND (0.002)	ND (0.002)				
1,2-Dibromoethane (Ethylene dibromide) 1,2-Dichlorobenzene	0.00005 0.6	0.0014 9.2	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	-	ND (0.002) ND (0.0005)	-	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)				
1,2-Dichloroethane	0.005	0.031	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	-	ND (0.0005)	-	ND (0.0005)	ND (0.0005)	ND (0.0005)				
1,2-Dichloropropane	0.005	0.042	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	-	ND (0.0005)	-	ND (0.0005)	ND (0.0005)	ND (0.0005)				
1,3,5-Trimethylbenzene	0.016	5.1	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	-	ND (0.002)	-	ND (0.002)	ND (0.002)	ND (0.002)				
1,3-Dichlorobenzene 1,3-Dichloropropane	0.08	0.31	ND (0.0005) UJ ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	-	ND (0.0005) UJ ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	-	ND (0.0005) UJ ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)
1,4-Dichlorobenzene	0.075	0.12	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	-	ND (0.0005)	-	ND (0.0005)	ND (0.0005)	ND (0.0005)				
2,2-Dichloropropane	*	*	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)	-	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	-	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)
2-Butanone (Methyl ethyl ketone) (MEK)	8.4	61	ND (0.02) UJ	ND (0.02) UJ	ND (0.02) UJ	ND (0.02) UJ	ND (0.02) UJ	ND (0.02) UJ	-	ND (0.02) UJ	-	ND (0.02) UJ	ND (0.02) UJ	ND (0.02) UJ				
2-Chlorotoluene 2-Hexanone	*	*	ND (0.002) ND (0.02)	ND (0.002) ND (0.02) UJ	ND (0.002) ND (0.02) UJ	ND (0.002) ND (0.02) UJ	ND (0.002) ND (0.02) UJ	ND (0.002) ND (0.02)	-	ND (0.002) ND (0.02)	ND (0.002) ND (0.02) UJ	ND (0.002) ND (0.02) UJ	ND (0.002) ND (0.02) UJ	ND (0.002) ND (0.02)	-	ND (0.002) ND (0.02)	ND (0.002) ND (0.02) UJ	ND (0.002) ND (0.02) UJ
2-Phenylbutane (sec-Butylbenzene)	*	*	ND (0.002) UJ	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.02)	-	ND (0.002) UJ	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	-	ND (0.002) UJ	ND (0.002)	ND (0.002)
4-Chlorotoluene	*	*	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	-	ND (0.002)	-	ND (0.002)	ND (0.002)	ND (0.002)				
4-Methyl-2-pentanone	2.2	0.2	NTD (0.00)	NTD (0.00)	NTD (0.00)	NID (0.00) I II	NTD (0.00) IV	NTD (0.00) 111		NTD (0.00)	NTD (0.00)	NTD (0.00)	NT (0.00) IV	NID (0.00) III		NTD (0.02)	NTD (0.00)	NTD (0.00)
(Methyl isobutyl ketone) (MIBK) Acetone	2.2 6.9	8.2 92	ND (0.02) ND (0.02) UJ	ND (0.02) ND (0.02) UJ	ND (0.02) ND (0.02) UJ	ND (0.02) UJ ND (0.02) UJ	ND (0.02) UJ ND (0.02) UJ	ND (0.02) UJ ND (0.02) UJ	-	ND (0.02) ND (0.02) UJ	ND (0.02) ND (0.02) UJ	ND (0.02) ND (0.02) UJ	ND (0.02) UJ ND (0.02) UJ	ND (0.02) UJ ND (0.02) UJ	-	ND (0.02) ND (0.02) UJ	ND (0.02) ND (0.02) UJ	ND (0.02) ND (0.02) UJ
Benzene	0.005	0.052	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.001)	ND (0.0005)	ND (0.001)	ND (0.0005)	ND (0.0005)	ND (0.0005)				
Bromobenzene	*	*	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	-	ND (0.002)	-	ND (0.002)	ND (0.002)	ND (0.002)				
Bromodichloromethane	0.08	0.08	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	-	ND (0.0005)	-	ND (0.0005)	ND (0.0005)	ND (0.0005)				
Bromoform Bromomethane (Methyl bromide)	0.08 0.011	0.36 0.14	ND (0.0005) UJ ND (0.0005) UJ	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005) UJ	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) UJ ND (0.0005)	-	ND (0.0005) UJ ND (0.0005) UJ	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005) UJ	ND (0.0005) ND (0.0005)	ND (0.0005) UJ ND (0.0005)	-	ND (0.0005) UJ ND (0.0005) UJ	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005) UJ
Carbon disulfide	1.3	10	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005) U	ND (0.0005)	ND (0.0005)	-	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	-	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)
Carbon tetrachloride	0.005	0.022	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)	ND (0.0005) UJ	-	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ	ND (0.0005) UJ	-	ND (0.0005)	ND (0.0005)	ND (0.0005)
Chlorobenzene	0.1	2	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	-	ND (0.0005)	-	ND (0.0005)	ND (0.0005)	ND (0.0005)				
Chlorobromomethane Chloroethane	0.062	0.99	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	-	ND (0.0005) ND (0.0005)	-	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)				
Chloroform (Trichloromethane)	0.08	1	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	=	ND (0.0005)	-	ND (0.0005)	ND (0.0005)	ND (0.0005)				
Chloromethane (Methyl chloride)	*	*	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	0.00014 J	ND (0.0005)	-	ND (0.0005)	-	ND (0.0005)	ND (0.0005)	ND (0.0005)				
cis-1,2-Dichloroethene	0.07	1	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	-	ND (0.0005)	-	0.00016 J	ND (0.0005)	ND (0.0005)				
cis-1,3-Dichloropropene	*	*	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	-	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005)	ND (0.0005)	=	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005)
Cymene (p-Isopropyltoluene) Dibromochloromethane	*	*	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002)	ND (0.002)	ND (0.002) ND (0.0005)	-	ND (0.002)	ND (0.002)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	-	ND (0.002)	ND (0.002)	ND (0.002) ND (0.0005)
Dibromomethane	*	*	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	-	ND (0.0005)	-	ND (0.0005)	ND (0.0005)	ND (0.0005)				
Dichlorodifluoromethane (CFC-12)	*	*	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)		ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)		ND (0.0005) UJ	ND (0.0005)	ND (0.0005)
Ethylbenzene Hexachlorobutadiene	0.7 0.011	10 0.031	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.001)	ND (0.0005) ND (0.002)	ND (0.001)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)				
Isopropyl benzene	0.83	10	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002) ND (0.002)	-	ND (0.002)	-	ND (0.002)	ND (0.002)	ND (0.002)				
m&p-Xylene	*	*	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	-	ND (0.0005)	-	ND (0.0005)	ND (0.0005)	ND (0.0005)				
Methyl tert butyl ether (MTBE)	0.04	0.72	-	-	-	-	-	=	ND (0.005)	-	-	-	-	-	ND (0.005)	-	-	-
Methylene chloride	0.005	0.38	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	-	ND (0.002)	-	ND (0.002)	ND (0.002)	ND (0.002)				
Naphthalene N-Butylbenzene	0.0083	2	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) U ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	- -	ND (0.002) ND (0.002)	-	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)				
N-Propylbenzene	0.31	4.1	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	- -	ND (0.002)	-	ND (0.002)	ND (0.002)	ND (0.002)				
o-Xylene	*	*	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	-	ND (0.0005)	-	ND (0.0005)	ND (0.0005)	ND (0.0005)				
Styrene	0.1	20	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	-	ND (0.0005)	-	ND (0.0005)	ND (0.0005)	ND (0.0005)				
tert-Butylbenzene			ND (0.002) 0.0057 ^a	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	-	ND (0.002) 0.014 ^a	ND (0.002) 0.018 ^a	ND (0.002) 0.011 ^a	ND (0.002) 0.017 ^a	ND (0.002) 0.015 ^a	1	ND (0.002) 0.018 ^a	ND (0.002) 0.022 ^a	ND (0.002) 0.017 ^a
Tetrachloroethene Toluene	0.005 1	0.055 8.2	ND (0.0005) U	0.0042 ND (0.0005)	0.0045 ND (0.0005) U	0.0017 ND (0.0005) U	0.0034 ND (0.0005)	0.0043 0.00011 J	ND (0.001)	ND (0.0005) U	ND (0.0005)	ND (0.0005)	ND (0.0005)	0.0012 J	- ND (0.001)	ND (0.0005) U	ND (0.0005)	ND (0.0005) U
trans-1,2-Dichloroethene	0.1	2	ND (0.0005) ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005)	ND (0.0005)	- (0.001)	ND (0.0005)	- (0.001)	ND (0.0005)	ND (0.0005)	ND (0.0005)				
trans-1,3-Dichloropropene	*	*	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)	-	ND (0.0005)	-	ND (0.0005)	ND (0.0005)	ND (0.0005)				
Trichloroethene	0.005	0.0072	0.0058 ^a	0.0046	0.0047	0.0026	0.0051 ^a	0.004	-	0.0071 ^a	0.0056 ^a	0.0058 ^a	0.0064 ^a	0.0043	-	0.0051 ^a	0.0053 ^a	0.005
Trichlorofluoromethane (CFC-11)	*	*	0.0011	0.00057	0.00066	0.00024 J	0.00045 J	0.00086	-	0.0008	0.00069	0.00069	0.00095	0.0013	-	0.00089	0.00085	0.00085
Vinyl chloride	0.002	0.004 20	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	- NID (0.002)	ND (0.0005)	- NID (0.002)	ND (0.0005)	ND (0.0005)	ND (0.0005)				
Xylene (total)	10	∠0	-	-	-	-	-	-	ND (0.002)	-	-	-	-	-	ND (0.002)	-	-	-

TABLE 5.3
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Sample Location:			PZ-03	PZ-03	PZ-03	PZ-04	PZ-04	PZ-04	PZ-04	PZ-04	PZ-04	PZ-04	PZ-04	PZ-04	PZ-04	PZ-04	PZ-04	PZ-04
Sample ID:				0 GW-050106-NRS-039		GW-102603-MG-041	GW-102603-MG-042		GW-080205-TP-041	GW-111705-MG-076				GW-041307-NH-017	GW-110807-NH-048		GW-041408-JP-029	,
Sample Date: Sample Type:			11/17/2005	5/1/2006	5/1/2006 (Duplicate)	10/26/2003	10/26/2003 (Duplicate)	12/9/2004	8/2/2005	11/17/2005	2/20/2006	2/20/2006 (Duplicate)	5/2/2006	4/13/2007	11/8/2007	1/31/2008	4/14/2008	9/25/2008
	IDEM RISC Defai	ılt Closure Levels			(= 11/4 1111111)		(= ::)					(=						
Parameters	Residential	Industrial																
Volatile Organic Compounds (mg/L)	а	b																
1,1,1,2-Tetrachloroethane	0.0069	0.11	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.013)	ND (0.013)	ND (0.01)	ND (0.025)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.013)	ND (0.013)	ND (0.01)	ND (0.013)	ND (0.013)	ND (0.01)
1,1,1-Trichloroethane	0.2	29	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.013)	ND (0.013)	ND (0.01)	ND (0.025)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.013)	ND (0.013)	ND (0.01)	ND (0.013)	ND (0.013)	ND (0.01) UJ
1,1,2,2-Tetrachloroethane 1,1,2-Trichloroethane	0.0009 0.005	0.014 0.05	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.013) ND (0.013)	ND (0.013) ND (0.013)	ND (0.01) ND (0.01)	ND (0.025) ND (0.025)	ND (0.01) ND (0.01)	ND (0.01) ND (0.01)	ND (0.01) ND (0.01)	ND (0.013) ND (0.013)	ND (0.013) ND (0.013)	ND (0.01) ND (0.01)	ND (0.013) ND (0.013)	ND (0.013) ND (0.013)	ND (0.01) UJ ND (0.01)
1,1-Dichloroethane	0.99	10	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.013)	ND (0.013)	ND (0.01)	ND (0.025)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.013)	ND (0.013)	ND (0.01)	ND (0.013)	ND (0.013)	ND (0.01)
1,1-Dichloroethene	0.007	5.1	ND (0.0005)	ND (0.0005)	ND (0.0005)	0.0093 ^a	0.0098 ^a	0.012 ^a	0.016 J ^a	0.012 ^a	0.0078 J ^a	0.0072 J ^a	0.0078 J ^a	0.0098 J ^a	0.0068 J	0.0058 J	0.012 J ^a	0.0038 J
1,1-Dichloropropene	*	*	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.013)	ND (0.013)	ND (0.01)	ND (0.025)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.013)	ND (0.013)	ND (0.01)	ND (0.013)	ND (0.013)	ND (0.01)
1,2,3-Trichlorobenzene	*	*	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.05)	ND (0.05)	ND (0.04)	ND (0.1)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.05)	ND (0.05)	ND (0.04)	ND (0.05)	ND (0.05)	ND (0.04) UJ
1,2,3-Trichloropropane 1,2,4-Trichlorobenzene	0.07	1	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.013) ND (0.05)	ND (0.013) ND (0.05)	ND (0.01) ND (0.04)	ND (0.025) ND (0.1)	ND (0.01) ND (0.04)	ND (0.01) ND (0.04)	ND (0.01) ND (0.04)	ND (0.013) ND (0.05)	ND (0.013) ND (0.05)	ND (0.01) ND (0.04)	ND (0.013) ND (0.05)	ND (0.013) ND (0.05)	ND (0.01) ND (0.04)
1,2,4-Trientorobenzene	0.016	5.1	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.05)	ND (0.05)	ND (0.04)	ND (0.1)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.05)	ND (0.05)	ND (0.04)	ND (0.05)	ND (0.05)	ND (0.04)
1,2-Dibromo-3-chloropropane (DBCP)	*	*	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.05)	ND (0.05)	ND (0.04)	ND (0.1)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.05)	ND (0.05) UJ	ND (0.04)	ND (0.05)	R	ND (0.04) UJ
1,2-Dibromoethane (Ethylene dibromide)	0.00005	0.0014	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.05)	ND (0.05)	ND (0.04)	ND (0.1)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.05)	ND (0.05)	ND (0.04)	ND (0.05)	ND (0.05)	ND (0.04)
1,2-Dichlorobenzene 1,2-Dichloroethane	0.6 0.005	9.2 0.031	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.013) ND (0.013)	ND (0.013) ND (0.013)	ND (0.01) ND (0.01)	ND (0.025) ND (0.025)	ND (0.01) ND (0.01)	ND (0.01) ND (0.01)	ND (0.01) ND (0.01)	ND (0.013) ND (0.013)	ND (0.013) ND (0.013)	ND (0.01) ND (0.01)	ND (0.013) ND (0.013)	ND (0.013) ND (0.013)	ND (0.01) ND (0.01) UJ
1,2-Dichloropropane	0.005	0.042	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.013)	ND (0.013)	ND (0.01) ND (0.01)	ND (0.025)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.013)	ND (0.013)	ND (0.01)	ND (0.013)	ND (0.013)	ND (0.01)
1,3,5-Trimethylbenzene	0.016	5.1	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.05)	ND (0.05)	ND (0.04)	ND (0.1)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.05)	ND (0.05)	ND (0.04)	ND (0.05)	ND (0.05)	ND (0.04)
1,3-Dichlorobenzene	0.08	0.31	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.013)	ND (0.013)	ND (0.01)	ND (0.025)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.013)	ND (0.013)	ND (0.01)	ND (0.013)	ND (0.013)	ND (0.01)
1,3-Dichloropropane 1,4-Dichlorobenzene	0.075	0.12	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.013) ND (0.013)	ND (0.013) ND (0.013)	ND (0.01) ND (0.01)	ND (0.025) ND (0.025)	ND (0.01) ND (0.01)	ND (0.01)	ND (0.01) ND (0.01)	ND (0.013) ND (0.013)	ND (0.013) ND (0.013)	ND (0.01)	ND (0.013) ND (0.013)	ND (0.013) ND (0.013)	ND (0.01)
2,2-Dichloropropane	0.075 *	*	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005)	ND (0.013) ND (0.013)	ND (0.013) ND (0.013)	ND (0.01) ND (0.01)	ND (0.025) ND (0.025)	ND (0.01) ND (0.01)	ND (0.01) ND (0.01)	ND (0.01) ND (0.01)	ND (0.013) ND (0.013)	ND (0.013) ND (0.013)	ND (0.01) ND (0.01)	ND (0.013) ND (0.013)	ND (0.013) ND (0.013)	ND (0.01) ND (0.01)
2-Butanone (Methyl ethyl ketone) (MEK)	8.4	61	0.0022 J	ND (0.02) UJ	ND (0.02) UJ	ND (0.5)	ND (0.5)	ND (0.4) UJ	ND (1) UJ	ND (0.4) UJ	ND (0.4) UJ	ND (0.4) UJ	ND (0.5) UJ	ND (0.5) UJ	ND (0.4)	ND (0.5)	R	R
2-Chlorotoluene	*	*	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.05)	ND (0.05)	ND (0.04)	ND (0.1)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.05)	ND (0.05)	ND (0.04)	ND (0.05)	ND (0.05)	ND (0.04)
2-Hexanone	*	*	ND (0.02) UJ	ND (0.02)	ND (0.02)	ND (0.5)	ND (0.5)	ND (0.4) UJ	ND (1) UJ	ND (0.4) UJ	ND (0.4) UJ	ND (0.4) UJ	ND (0.5)	ND (0.5)	ND (0.4)	ND (0.5)	R	ND (0.4) UJ
2-Phenylbutane (sec-Butylbenzene) 4-Chlorotoluene	*	*	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.05) ND (0.05)	ND (0.05) ND (0.05)	ND (0.04) ND (0.04)	ND (0.1) ND (0.1)	ND (0.04) ND (0.04)	ND (0.04) ND (0.04)	ND (0.04) ND (0.04)	ND (0.05) ND (0.05)	ND (0.05) ND (0.05)	ND (0.04) ND (0.04)	ND (0.05) ND (0.05)	ND (0.05) ND (0.05)	ND (0.04) ND (0.04)
4-Methyl-2-pentanone			14D (0.002)	14D (0.002)	14D (0.002)	ND (0.05)	ND (0.05)	ND (0.04)	ND (0.1)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.05)	14D (0.00)	ND (0.04)	ND (0.03)	ND (0.05)	ND (0.04)
(Methyl isobutyl ketone) (MIBK)	2.2	8.2	ND (0.02) UJ	ND (0.02) UJ	ND (0.02) UJ	ND (0.5)	ND (0.5)	ND (0.4)	ND (1)	ND (0.4) UJ	ND (0.4)	ND (0.4)	ND (0.5) UJ	ND (0.5)	ND (0.4)	ND (0.5)	R	R
Acetone	6.9	92	0.016 J	ND (0.02) UJ	ND (0.02) UJ	ND (0.5)	ND (0.5)	ND (0.4) UJ	ND (1) UJ	ND (0.4) UJ	ND (0.4) UJ	ND (0.4) UJ	ND (0.5) UJ	ND (0.5)	ND (0.4)	ND (0.5)	R	R
Benzene Bromobenzene	0.005	0.052	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.013) ND (0.05)	ND (0.013) ND (0.05)	ND (0.01) ND (0.04)	ND (0.025) ND (0.1)	ND (0.01) ND (0.04)	ND (0.01) ND (0.04)	ND (0.01) ND (0.04)	ND (0.013) ND (0.05)	ND (0.013) ND (0.05)	ND (0.01) ND (0.04)	ND (0.013) ND (0.05)	ND (0.013) ND (0.05)	0.001 J ND (0.04)
Bromodichloromethane	0.08	0.08	ND (0.002)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.03)	ND (0.03)	ND (0.04) ND (0.01)	ND (0.1)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.03)	ND (0.03)	ND (0.01)	ND (0.03)	ND (0.03)	ND (0.01)
Bromoform	0.08	0.36	ND (0.0005)	ND (0.0005) UJ	ND (0.0005) UJ	ND (0.013)	ND (0.013)	ND (0.01)	ND (0.025)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.013) UJ	ND (0.013)	ND (0.01)	ND (0.013)	ND (0.013)	ND (0.01)
Bromomethane (Methyl bromide)	0.011	0.14	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.013)	ND (0.013)	ND (0.01)	ND (0.025) UJ	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.013)	ND (0.013) UJ	ND (0.01)	ND (0.013)	ND (0.013)	ND (0.01)
Carbon disulfide Carbon tetrachloride	1.3	10 0.022	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.013)	ND (0.013)	ND (0.01)	ND (0.025)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.013)	ND (0.013) UJ	ND (0.01)	ND (0.013)	ND (0.013)	ND (0.01)
Chlorobenzene	0.005 0.1	2	ND (0.0005) UJ ND (0.0005)	ND (0.0005) UJ ND (0.0005)	ND (0.0005) UJ ND (0.0005)	ND (0.013) ND (0.013)	ND (0.013) ND (0.013)	ND (0.01) ND (0.01)	ND (0.025) ND (0.025)	ND (0.01) UJ ND (0.01)	ND (0.01) ND (0.01)	ND (0.01) ND (0.01)	ND (0.013) UJ ND (0.013)	ND (0.013) ND (0.013)	ND (0.01) ND (0.01)	ND (0.013) ND (0.013)	ND (0.013) ND (0.013)	ND (0.01) UJ ND (0.01)
Chlorobromomethane	*	*	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.013)	ND (0.013)	ND (0.01)	ND (0.025)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.013)	ND (0.013)	ND (0.01)	ND (0.013)	ND (0.013)	ND (0.01)
Chloroethane	0.062	0.99	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.013)	ND (0.013)	ND (0.01)	ND (0.025)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.013)	ND (0.013)	ND (0.01)	ND (0.013)	ND (0.013)	ND (0.01)
Chloroform (Trichloromethane)	0.08	1	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005)	0.0048 ND (0.013)	0.005 ND (0.013)	0.0026 J ND (0.01)	ND (0.025) ND (0.025)	0.0028 J ND (0.01)	0.0028 J ND (0.01)	ND (0.01) ND (0.01)	0.004 J ND (0.013)	ND (0.013) ND (0.013)	ND (0.01) ND (0.01)	ND (0.013) ND (0.013)	0.0038 J ND (0.013)	0.0012 J
Chloromethane (Methyl chloride) cis-1,2-Dichloroethene	0.07	1	ND (0.0005)	ND (0.0005)	ND (0.0005) ND (0.0005)	2.6 ^{ab}	2.7 ^{ab}	5.7 ^{ab}	9.1 ^{ab}	7.2 ^{ab}	4.2 ^{ab}	4.2 ^{ab}	3.6 ^{ab}	4.7 ^{ab}	4.6 ^{ab}	3.5 ^{ab}	7.7 ^{ab}	ND (0.01) 2.1 ^{ab}
cis-1,3-Dichloropropene	*	*	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.013)	ND (0.013)	ND (0.01)	ND (0.025)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.013)	ND (0.013)	ND (0.01)	ND (0.013)	ND (0.013)	ND (0.01)
Cymene (p-Isopropyltoluene)	*	*	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.05)	ND (0.05)	ND (0.04)	ND (0.1)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.05)	ND (0.05)	ND (0.04)	ND (0.05)	ND (0.05)	ND (0.04)
Dibromochloromethane	*	*	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.013)	ND (0.013)	ND (0.01)	ND (0.025)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.013) UJ	ND (0.013)	ND (0.01)	ND (0.013)	ND (0.013)	ND (0.01)
Dibromomethane Dichlorodifluoromethane (CFC-12)	*	*	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005)	ND (0.013)	ND (0.013)	ND (0.01)	ND (0.025) ND (0.025)	ND (0.01)	ND (0.01)	ND (0.01) ND (0.01)	ND (0.013)	ND (0.013)	ND (0.01)	ND (0.013) ND (0.013)	ND (0.013)	ND (0.01)
Ethylbenzene (CFC-12)	0.7	10	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.013) ND (0.013)	ND (0.013) ND (0.013)	ND (0.01) ND (0.01)	ND (0.025) ND (0.025)	ND (0.01) ND (0.01)	ND (0.01) 0.0028 J	ND (0.01) ND (0.01)	ND (0.013) ND (0.013)	ND (0.013) UJ ND (0.013)	ND (0.01) ND (0.01)	ND (0.013) ND (0.013)	ND (0.013) ND (0.013)	ND (0.01) ND (0.01)
Hexachlorobutadiene	0.011	0.031	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.05)	ND (0.05)	ND (0.04)	ND (0.1)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.05)	ND (0.05) UJ	ND (0.04)	ND (0.05)	ND (0.05)	ND (0.04)
Isopropyl benzene	0.83	10	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.05)	ND (0.05)	ND (0.04)	ND (0.1)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.05)	ND (0.05)	ND (0.04)	ND (0.05)	ND (0.05)	ND (0.04)
m&p-Xylene	*	*	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.013)	ND (0.013)	ND (0.01)	ND (0.025)	ND (0.01)	0.007 J	0.0056 J	ND (0.013)	ND (0.013)	ND (0.01)	ND (0.013)	ND (0.013)	ND (0.01)
Methyl tert butyl ether (MTBE)	0.04	0.72	NID (0.002)	- NTD (0.002)	- NID (0.002)	NID (0.05)	NID (0.05)	0.005 I	NID (0.1)	NID (0.04)	0.0056 J ^a	0.0048 I	0.0053 J ^a	0.0063 J ^a	NTD (0.04)	NID (0.05)	NID (0.0E)	- NID (0.04)
Methylene chloride Naphthalene	0.005 0.0083	0.38	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.05) ND (0.05)	ND (0.05) ND (0.05)	0.005 J ND (0.04)	ND (0.1) ND (0.1)	ND (0.04) ND (0.04)	ND (0.04)	0.0048 J ND (0.04)	ND (0.05)	ND (0.05)	ND (0.04) ND (0.04)	ND (0.05) ND (0.05)	ND (0.05) ND (0.05)	ND (0.04) ND (0.04) UJ
N-Butylbenzene	*	*	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.05)	ND (0.05)	ND (0.04)	ND (0.1)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.05)	ND (0.05)	ND (0.04)	ND (0.05)	ND (0.05)	ND (0.04)
N-Propylbenzene	0.31	4.1	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.05)	ND (0.05)	ND (0.04)	ND (0.1)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.05)	ND (0.05)	ND (0.04)	ND (0.05)	ND (0.05)	ND (0.04)
o-Xylene	*	*	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.013)	ND (0.013)	ND (0.01)	ND (0.025)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.013)	ND (0.013)	ND (0.01)	ND (0.013)	ND (0.013)	ND (0.01)
Styrene tert-Butylbenzene	0.1	20	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.013) ND (0.05)	ND (0.013) ND (0.05)	ND (0.01) ND (0.04)	ND (0.025) ND (0.1)	ND (0.01) ND (0.04)	ND (0.01) ND (0.04)	ND (0.01) ND (0.04)	ND (0.013) ND (0.05)	ND (0.013) ND (0.05)	ND (0.01) ND (0.04)	ND (0.013) ND (0.05)	ND (0.013) ND (0.05)	ND (0.01) ND (0.04)
Tetrachloroethene	0.005	0.055	0.021 ^a	0.014 ^a	0.014 ^a	0.49 ^{ab}	0.49 ^{ab}	0.65 ^{ab}	0.6 ^{ab}	0.59 ^{ab}	0.54 ^{ab}	0.58 ^{ab}	0.44 ^{ab}	0.57 ^{ab}	0.56 ^{ab}	0.51 ^{ab}	0.69 ^{ab}	0.32 ^{ab}
Toluene	1	8.2	ND (0.0005)	ND (0.0005)	0.00012 J	ND (0.013)	ND (0.013)	ND (0.01)	ND (0.025)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.013)	ND (0.013)	ND (0.01)	ND (0.013)	ND (0.013)	ND (0.01)
trans-1,2-Dichloroethene	0.1	2	ND (0.0005)	ND (0.0005)	ND (0.0005)	0.013	0.016	0.019	0.029	0.039	0.018	0.019	0.022	0.02	0.022	0.015	0.046	0.016
trans-1,3-Dichloropropene	*	*	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.013)	ND (0.013)	ND (0.01)	ND (0.025)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.013)	ND (0.013)	ND (0.01)	ND (0.013)	ND (0.013)	ND (0.01)
Trichloroethene	0.005	0.0072	0.0056ª	0.0024	0.0024	5.6 ^{ab}	5.7 ^{ab}	7 ^{ab}	8.8 ^{ab}	8.2ab	6.6 ^{ab}	6.5 ^{ab}	5.3ab	7.5 ^{ab}	7.1 ^{ab}	5.8 ^{ab}	8 ^{ab}	2.5 ^{ab}
Trichlorofluoromethane (CFC-11)	*	*	0.00096	0.00059	0.00061	ND (0.013)	ND (0.013)	ND (0.01)	ND (0.025)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.013)	ND (0.013)	ND (0.01)	ND (0.013)	ND (0.013)	ND (0.01) UJ
Vinyl chloride Xylene (total)	0.002 10	0.004 20	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.013)	ND (0.013)	ND (0.01)	ND (0.025)	0.0032 J ^a	0.0018 J	0.0022 J ^a	ND (0.013)	0.0013 J	0.0024 J ^a	0.0018 J	0.0055 J ^{ab}	0.0016 J
Ayiene (total)	10	20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

TABLE 5.3

SUMMARY OF PHASE IIB RFI GROUNDWATER VOC ANALYTICAL DATA - OVERBURDEN WELLS RADIO MATERIALS CORPORATION ATTICA, INDIANA

Sample Location:			PZ-04	PZ-04	PZ-04	PZ-04	PZ-05	PZ-05	PZ-05	PZ-05	PZ-05	PZ-05	PZ-06	PZ-06	PZ-06	PZ-06	PZ-06	PZ-06
Sample ID:			GW-121608-JP-061	,		,			GW-080105-TP-032	GW-111505-MG-047			GW-102803-MG-053	GW-120704-MG-034		GW-111605-MG-064	GW-021306-MG-036	
Sample Date:			12/16/2008	4/8/2009	7/14/2009	11/6/2009	10/22/2003	12/7/2004	8/1/2005	11/15/2005	2/13/2006	4/27/2006	10/28/2003	12/7/2004	8/1/2005	11/16/2005	2/13/2006	4/27/2006
Sample Type:	IDEM RISC Defa	ault Closure Levels																
Parameters	Residential	Industrial																
Volatile Organic Compounds (mg/L)	а	U																
1,1,1,2-Tetrachloroethane	0.0069	0.11	ND (0.005)	ND (0.0013)	ND (0.0025)	ND (0.0013)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,1,1-Trichloroethane	0.2	29	ND (0.005)	ND (0.0013)	ND (0.0025)	ND (0.0013)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,1,2,2-Tetrachloroethane	0.0009	0.014	0.0007 J	0.0004 J	ND (0.0025)	ND (0.0013)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,1,2-Trichloroethane	0.005	0.05 10	0.0012 J	ND (0.0013)	0.0015 J	ND (0.0013)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,1-Dichloroethane	0.99		ND (0.005)	ND (0.0013)	ND (0.0025)	ND (0.0013)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,1-Dichloroethene 1,1-Dichloropropene	0.007	5.1 *	0.0041 J ND (0.005)	0.001 J ND (0.0013)	0.0027 ND (0.0025)	0.0018 ND (0.0013)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)
1,2,3-Trichlorobenzene	*	*	ND (0.003)	ND (0.0013)	ND (0.0023)	ND (0.0013)	ND (0.002) UJ	ND (0.003)	ND (0.0003)	ND (0.002)	ND (0.0003)	ND (0.003)	ND (0.003)	ND (0.002)	ND (0.002)	ND (0.0003)	ND (0.002)	ND (0.0003)
1,2,3-Trichloropropane	*	*	ND (0.005)	ND (0.0013)	ND (0.0025)	ND (0.0013)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,2,4-Trichlorobenzene	0.07	1	ND (0.02)	ND (0.005)	ND (0.01)	ND (0.005) UJ	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
1,2,4-Trimethylbenzene	0.016	5.1	ND (0.02)	ND (0.005)	ND (0.01)	ND (0.005)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
1,2-Dibromo-3-chloropropane (DBCP)	*	*	ND (0.02)	ND (0.005) UJ	ND (0.01)	ND (0.005) UJ	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002) UJ	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002) UJ	ND (0.002)
1,2-Dibromoethane (Ethylene dibromide) 1,2-Dichlorobenzene	0.00005 0.6	0.0014 9.2	ND (0.02) ND (0.005)	ND (0.005) ND (0.0013)	ND (0.01) ND (0.0025)	ND (0.005) ND (0.0013)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)
1,2-Dichloroethane	0.005	0.031	ND (0.005)	ND (0.0013)	ND (0.0025)	ND (0.0013)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,2-Dichloropropane	0.005	0.042	ND (0.005)	ND (0.0013)	ND (0.0025)	ND (0.0013)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,3,5-Trimethylbenzene	0.016	5.1	ND (0.02)	ND (0.005)	ND (0.01)	ND (0.005)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
1,3-Dichlorobenzene	0.08	0.31	ND (0.005)	ND (0.0013)	ND (0.0025)	ND (0.0013)	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,3-Dichloropropane	*	*	ND (0.005)	ND (0.0013)	ND (0.0025)	ND (0.0013)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,4-Dichlorobenzene 2,2-Dichloropropane	0.075	0.12	ND (0.005) ND (0.005)	ND (0.0013) ND (0.0013)	ND (0.0025) ND (0.0025)	ND (0.0013) ND (0.0013) UJ	ND (0.0005) ND (0.0005) UJ	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005) UJ	ND (0.0005) ND (0.0005) UJ	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005) UJ	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005) UJ	ND (0.0005) ND (0.0005)
2-Butanone (Methyl ethyl ketone) (MEK)	8.4	61	R (0.003)	R (0.0013)	R (0.0023)	R (0.0013) (1)	ND (0.003) C)	ND (0.003)	ND (0.003) ND (0.02) UJ	ND (0.003) UJ	ND (0.003) UJ	ND (0.0003) ND (0.02) UJ	ND (0.003) C)	ND (0.0003)	ND (0.003)	ND (0.003) ND (0.02) UJ	ND (0.003) UJ	ND (0.0003)
2-Chlorotoluene	*	*	ND (0.02)	ND (0.005)	ND (0.01) UJ	ND (0.005)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
2-Hexanone	*	*	ND (0.2)	ND (0.05)	ND (0.1)	R	ND (0.02)	ND (0.02) UJ	ND (0.02) UJ	ND (0.02) UJ	ND (0.02) UJ	ND (0.02) UJ	ND (0.02)	ND (0.02) UJ	ND (0.02) UJ	ND (0.02) UJ	ND (0.02) UJ	ND (0.02) UJ
2-Phenylbutane (sec-Butylbenzene)	*	*	ND (0.02)	ND (0.005)	ND (0.01)	ND (0.005)	ND (0.002) UJ	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002) UJ	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
4-Chlorotoluene	*	*	ND (0.02)	ND (0.005)	ND (0.01)	ND (0.005)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
4-Methyl-2-pentanone	2.2	0.2	R	NID (0.05)	D.	NTD (0.05)	NID (0.00)	NTD (0.02)	NID (0.00)	NID (0.02) III	NID (0.02) III	NID (0.02) III	NID (0.02)	NID (0.00)	NID (0.02)	NID (0.02) III	NID (0.02) III	NID (0.00) III
(Methyl isobutyl ketone) (MIBK) Acetone	2.2 6.9	8.2 92	R R	ND (0.05) R	R R	ND (0.05) R	ND (0.02) ND (0.02) UJ	ND (0.02) ND (0.02) UJ	ND (0.02) ND (0.02) UJ	ND (0.02) UJ ND (0.02) UJ	ND (0.02) UJ ND (0.02) UJ	ND (0.02) UJ ND (0.02) UJ	ND (0.02) ND (0.02) UJ	ND (0.02) ND (0.02) UJ	ND (0.02) ND (0.02) UJ	ND (0.02) UJ ND (0.02) UJ	ND (0.02) UJ ND (0.02) UJ	ND (0.02) UJ ND (0.02) UJ
Benzene	0.005	0.052	ND (0.005)	ND (0.0013)	0.0003 J	ND (0.0013)	ND (0.0005)	ND (0.005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.005)	ND (0.0005)	ND (0.0005)	ND (0.005)	ND (0.0005)	ND (0.0005)
Bromobenzene	*	*	ND (0.02)	ND (0.005)	ND (0.01)	ND (0.005)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
Bromodichloromethane	0.08	0.08	ND (0.005)	ND (0.0013)	ND (0.0025)	ND (0.0013)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Bromoform	0.08	0.36	ND (0.005)	ND (0.0013)	ND (0.0025)	ND (0.0013) UJ	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Bromomethane (Methyl bromide)	0.011	0.14	ND (0.005)	ND (0.0013) UJ	ND (0.0025)	ND (0.0013) UJ	ND (0.0005) UJ	ND (0.0005)	ND (0.0005) UJ	ND (0.0005) UJ	ND (0.0005)	ND (0.0005) UJ	ND (0.0005) UJ	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ
Carbon disulfide Carbon tetrachloride	1.3 0.005	10 0.022	ND (0.005) UJ ND (0.005)	ND (0.0013) ND (0.0013)	ND (0.0025) ND (0.0025)	ND (0.0013) UJ ND (0.0013)	ND (0.0005) UJ ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005) UJ	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) UJ ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) U ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)
Chlorobenzene	0.1	2	ND (0.005)	ND (0.0013)	ND (0.0025)	ND (0.0013)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Chlorobromomethane	*	*	ND (0.005)	ND (0.0013)	ND (0.0025)	ND (0.0013)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Chloroethane	0.062	0.99	ND (0.005)	ND (0.0013)	ND (0.0025)	ND (0.0013)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Chloroform (Trichloromethane)	0.08	1	0.0009 J	ND (0.0013) U	0.0006 J	0.0003 J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Chloromethane (Methyl chloride)	*	*	ND (0.005)	ND (0.0013) UJ	ND (0.0025) U	ND (0.0013)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
cis-1,2-Dichloroethene	0.07	1	1.8 ^{ab}	0.53ª	1.6ab	0.76ª	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
cis-1,3-Dichloropropene	*	*	ND (0.005)	ND (0.0013)	ND (0.0025)	ND (0.0013)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Cymene (p-Isopropyltoluene) Dibromochloromethane	*	*	ND (0.02) ND (0.005)	ND (0.005) ND (0.0013)	ND (0.01) ND (0.0025)	ND (0.005) ND (0.0013)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)
Dibromomethane	*	*	ND (0.005)	ND (0.0013)	ND (0.0025)	ND (0.0013)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Dichlorodifluoromethane (CFC-12)	*	*	ND (0.005)	ND (0.0013)	ND (0.0025)	ND (0.0013)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ
Ethylbenzene	0.7	10	ND (0.005)	ND (0.0013)	ND (0.0025)	ND (0.0013)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Hexachlorobutadiene	0.011	0.031	ND (0.02)	ND (0.005)	ND (0.01)	ND (0.005)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
Isopropyl benzene m&p-Xylene	0.83	10	ND (0.02) ND (0.005)	ND (0.005) ND (0.0013)	ND (0.01) ND (0.0025)	ND (0.005) ND (0.0013)	ND (0.002)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002)
Methyl tert butyl ether (MTBE)	0.04	0.72	ND (0.005)	ND (0.0013)	ND (0.0025)	ND (0.0013)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Methylene chloride	0.005	0.38	ND (0.02)	ND (0.005)	ND (0.01)	ND (0.005)	ND (0.002)	0.00025 J	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
Naphthalene	0.0083	2	ND (0.02)	ND (0.005)	ND (0.01)	ND (0.005) UJ	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002) UJ	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
N-Butylbenzene	*	*	ND (0.02)	ND (0.005)	ND (0.01)	ND (0.005)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
N-Propylbenzene	0.31	4.1	ND (0.02)	ND (0.005)	ND (0.01) ÚJ	ND (0.005)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
o-Xylene	*	*	ND (0.005)	ND (0.0013)	ND (0.0025)	ND (0.0013)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Styrene	0.1	20	ND (0.005)	ND (0.0013)	ND (0.0025)	ND (0.0013)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
tert-Butylbenzene	*	*	ND (0.02)	ND (0.005)	ND (0.01)	ND (0.005)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
Tetrachloroethene	0.005	0.055	0.31 ^{ab}	0.22 ^{ab}	0.12 ^{ab}	0.15 ^{ab}	ND (0.0005)	ND (0.0005)	ND (0.0005) U	ND (0.0005)	0.00014 J	0.00013 J	ND (0.0005)	0.00026 J	ND (0.0005) U	0.00038 J	ND (0.0005)	0.00015 J
Toluene trans-1,2-Dichloroethene	0.1	8.2 2	ND (0.005) 0.015	ND (0.0013) U 0.0039	ND (0.0025) 0.011	ND (0.0013) U 0.0041	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) U ND (0.0005)	0.00011 J ND (0.0005)	ND (0.0005) ND (0.0005)	0.00011 J ND (0.0005)	0.00012 J ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) U ND (0.0005)	ND (0.0005) U ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)
trans-1,3-Dichloropropene	*	*	ND (0.005)	ND (0.0013)	ND (0.0025)	ND (0.0013) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)
Trichloroethene	0.005	0.0072	2 ^{ab}	1.1 ^{ab}	0.73 ^{ab}	0.67 ^{ab}	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	0.00025 J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Trichlorofluoromethane (CFC-11)	*	*	ND (0.005)	ND (0.0013)	ND (0.0025)	ND (0.0013)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Vinyl chloride	0.002	0.004	0.0016 J	0.0013 J	0.001 J	0.0012 J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Xylene (total)	10	20	- 1	- 1	- 1	-	-	-	-	- '	- '	-	-	- '	-	-	-	-

DOCUMENT

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Notes:

IDEM - Indiana Department of Environmenta RISC - Risk Integrated System of Closure mg/L - milligrams per liter

* - Criteria not established for this analyte.

ND(0.50) - Analyte not detected at quantitatic J - The associated value is an estimated quant R - The sample results are rejected due to seri U - Not present at or above the associated val UJ - The material was analyzed for, but was n

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SUMMARY OF PHASE IIB RFI GROUNDWATER VOC ANALYTICAL DATA - OVERBURDEN WELLS RADIO MATERIALS CORPORATION ATTICA, INDIANA

Sample Location: Sample ID: Sample Date:			PZ-06 GW-041807-NH-030 4/18/2007	PZ-06 GW-111207-NH-065 11/12/2007	PZ-06 GW-012308-NH-024 1/23/2008
Sample Type:			4/10/2007	11/12/2007	1/23/2008
Parameters	IDEM RISC Defar Residential a	ult Closure Levels Industrial b			
Volatile Organic Compounds (mg/L)	и	υ			
1,1,1,2-Tetrachloroethane	0.0069	0.11	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,1,1-Trichloroethane	0.2	29	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,1,2,2-Tetrachloroethane	0.0009	0.014	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,1,2-Trichloroethane	0.005	0.05	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,1-Dichloroethane	0.99	10	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,1-Dichloroethene	0.007	5.1	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,1-Dichloropropene	*	*	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,2,3-Trichlorobenzene	*	*	ND (0.002)	ND (0.002)	ND (0.002)
1,2,3-Trichloropropane	*	*	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,2,4-Trichlorobenzene	0.07	1	ND (0.002)	ND (0.002)	ND (0.002)
1,2,4-Trimethylbenzene	0.016	5.1 *	ND (0.002)	ND (0.002)	ND (0.002)
1,2-Dibromo-3-chloropropane (DBCP) 1,2-Dibromoethane (Ethylene dibromide)	0.00005	0.0014	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)
1,2-Dichlorobenzene	0.6	9.2	ND (0.002)	ND (0.002)	ND (0.002)
1,2-Dichloroethane	0.005	0.031	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,2-Dichloropropane	0.005	0.042	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,3,5-Trimethylbenzene	0.016	5.1	ND (0.002)	ND (0.002)	ND (0.002)
1,3-Dichlorobenzene	0.08	0.31	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,3-Dichloropropane	*	*	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,4-Dichlorobenzene	0.075	0.12	ND (0.0005)	ND (0.0005)	ND (0.0005)
2,2-Dichloropropane	*	*	ND (0.0005)	ND (0.0005)	ND (0.0005)
2-Butanone (Methyl ethyl ketone) (MEK)	8.4	61	ND (0.02)	ND (0.02)	ND (0.02)
2-Chlorotoluene	*	*	ND (0.002)	ND (0.002)	ND (0.002)
2-Hexanone 2-Phenylbutane (sec-Butylbenzene)	*	*	ND (0.02) ND (0.002)	ND (0.02) ND (0.002)	ND (0.02) ND (0.002)
4-Chlorotoluene	*	*	ND (0.002)	ND (0.002)	ND (0.002)
4-Methyl-2-pentanone			112 (0.002)	112 (0.002)	112 (0.002)
(Methyl isobutyl ketone) (MIBK)	2.2	8.2	ND (0.02)	ND (0.02)	ND (0.02)
Acetone	6.9	92	ND (0.02)	ND (0.02)	ND (0.02)
Benzene	0.005	0.052	ND (0.0005)	ND (0.0005)	ND (0.0005)
Bromobenzene	*	*	ND (0.002)	ND (0.002)	ND (0.002)
Bromodichloromethane	0.08	0.08	ND (0.0005)	ND (0.0005)	ND (0.0005)
Bromoform	0.08	0.36	ND (0.0005)	ND (0.0005)	ND (0.0005)
Bromomethane (Methyl bromide)	0.011	0.14	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ
Carbon disulfide Carbon tetrachloride	1.3 0.005	10 0.022	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)
Chlorobenzene	0.1	2	ND (0.0005)	ND (0.0005)	ND (0.0005)
Chlorobromomethane	*	*	ND (0.0005)	ND (0.0005)	ND (0.0005)
Chloroethane	0.062	0.99	ND (0.0005)	ND (0.0005)	ND (0.0005)
Chloroform (Trichloromethane)	0.08	1	ND (0.0005)	ND (0.0005)	ND (0.0005)
Chloromethane (Methyl chloride)	*	*	ND (0.0005)	ND (0.0005)	ND (0.0005)
cis-1,2-Dichloroethene	0.07	1	ND (0.0005)	ND (0.0005)	ND (0.0005)
cis-1,3-Dichloropropene	*	*	ND (0.0005)	ND (0.0005)	ND (0.0005)
Cymene (p-Isopropyltoluene)	*	*	ND (0.002)	ND (0.002)	ND (0.002)
Dibromochloromethane	*	*	0.00011 J	ND (0.0005)	ND (0.0005)
Dibromomethane	*	*	ND (0.0005)	ND (0.0005)	ND (0.0005)
Dichlorodifluoromethane (CFC-12)	0.7		ND (0.0005)	ND (0.0005)	ND (0.0005)
Ethylbenzene Hexachlorobutadiene	0.7 0.011	10 0.031	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)
Isopropyl benzene	0.83	10	ND (0.002)	ND (0.002)	ND (0.002)
m&p-Xylene	*	*	ND (0.0005)	ND (0.0005)	ND (0.0005)
Methyl tert butyl ether (MTBE)	0.04	0.72	-	-	-
Methylene chloride	0.005	0.38	ND (0.002)	ND (0.002)	ND (0.002)
Naphthalene	0.0083	2	ND (0.002)	ND (0.002)	ND (0.002)
N-Butylbenzene	*	*	ND (0.002)	ND (0.002)	ND (0.002)
N-Propylbenzene	0.31	4.1	ND (0.002)	ND (0.002)	ND (0.002)
o-Xylene	*	*	ND (0.0005)	ND (0.0005)	ND (0.0005)
Styrene	0.1	20	ND (0.0005)	ND (0.0005)	ND (0.0005)
tert-Butylbenzene	*	*	ND (0.002)	ND (0.002)	ND (0.002)
Tetrachloroethene	0.005	0.055	ND (0.0005) U	0.00014 J	0.00022 J
Toluene	1	8.2	ND (0.0005)	ND (0.0005)	ND (0.0005)
trans-1,2-Dichloroethene	0.1	2	ND (0.0005)	ND (0.0005)	ND (0.0005)
trans-1,3-Dichloropropene			ND (0.0005)	ND (0.0005)	ND (0.0005)
Trichloroethene	0.005	0.0072	ND (0.0005)	ND (0.0005)	ND (0.0005)
Trichlorofluoromethane (CFC-11)	*	*	ND (0.0005)	ND (0.0005)	ND (0.0005)
Vinyl chloride	0.002	0.004	ND (0.0005)	ND (0.0005)	ND (0.0005)
Xylene (total)	10	20	-	-	-

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n limit in parenthesis.

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ous deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte cannot be verified.

ot detected. The associated value is an estimate and may be inaccurate or imprecise.

TABLE 5.4 Page 1 of 8

ATTICA INDIA	AT A

Sample Location:			OB-01	OB-02	OB-03	OB-04	OB-05	OB-06	OB-07	OB-08	OB-08	OB-09	OB-09	OB-10	OB-11
Sample ID: Sample Date:			GW-102603-MG-036 10/26/2003	GW-102603-MG-038 10/26/2003	GW-102503-MG-032 10/25/2003	GW-102703-MG-043 10/27/2003	GW-102703-MG-044 10/27/2003	GW-102603-MG-039 10/26/2003	GW-102603-MG-040 10/26/2003	GW-102703-MG-045 10/27/2003	GW-121304-MG-061 12/13/2004	GW-102203-MG-007 10/22/2003	GW-102203-MG-008 10/22/2003	GW-102703-MG-048 10/27/2003	GW-102403-MG-026 10/24/2003
Sample Type:			10/20/2005	10/20/2005	10/20/2005	10/27/2005	10/27/2003	10/20/2005	10/20/2005	10/27/2005	12/13/2001	10/22/2003	(Duplicate)	10/27/2005	10/24/2003
D	IDEM RISC Defai														
Parameters	Residential a	Industrial b													
Semivolatile Organic Compounds (m/L)															
1,2,4-Trichlorobenzene 1,2-Dichlorobenzene	0.07 0.6	1 9.2	ND (0.01) ND (0.01) UJ	ND (0.0097) ND (0.0097) UJ	ND (0.011) ND (0.011) UJ	ND (0.011) ND (0.011) UJ	ND (0.011) ND (0.011) UJ	ND (0.011) ND (0.011) UJ	ND (0.01) ND (0.01) UJ	ND (0.0099) ND (0.0099) UJ	ND (0.01) ND (0.01)	ND (0.011) ND (0.011) UJ	ND (0.011) ND (0.011) UJ	ND (0.0099) ND (0.0099) UJ	ND (0.01) ND (0.01) UJ
1,3-Dichlorobenzene	0.08	0.31	ND (0.01) C)	ND (0.0097) C)	ND (0.011) C)	ND (0.011) UJ	ND (0.011) O	ND (0.011) C)	ND (0.01) (0)	ND (0.0099)	ND (0.01)	ND (0.011) Uj	ND (0.011) () ND (0.011)	ND (0.0099)	ND (0.01)
1,4-Dichlorobenzene	0.075	0.12	ND (0.01)	ND (0.0097)	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.01)	ND (0.0099)	ND (0.01)	ND (0.011)	ND (0.011)	ND (0.0099)	ND (0.01)
2,2'-Oxybis(1-chloropropane) (bis(2-Chloroisopropyl) ether)	0.0042	0.041	NID (0.01)	ND (0.0097)	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.011)	NID (0.01)	ND (0.0099)	ND (0.01)	ND (0.011)	ND (0.011)	ND (0.0099)	NID (0.01)
2,4,5-Trichlorophenol	3.6	10	ND (0.01) ND (0.01)	ND (0.0097) ND (0.0097)	ND (0.011) ND (0.011)	ND (0.011) ND (0.011)	ND (0.011) ND (0.011)	ND (0.011) ND (0.011)	ND (0.01) ND (0.01)	ND (0.0099)	ND (0.01) ND (0.01)	ND (0.011) ND (0.011)	ND (0.011) ND (0.011)	ND (0.0099) ND (0.0099)	ND (0.01) ND (0.01)
2,4,6-Trichlorophenol	0.0036	0.01	ND (0.01)	ND (0.0097)	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.01)	ND (0.0099)	ND (0.01)	ND (0.011)	ND (0.011)	ND (0.0099)	ND (0.01)
2,4-Dichlorophenol	0.11	0.31	ND (0.01)	ND (0.0097)	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.01)	ND (0.0099)	ND (0.01)	ND (0.011)	ND (0.011)	ND (0.0099)	ND (0.01)
2,4-Dimethylphenol 2,4-Dinitrophenol	0.73 0.073	0.2	ND (0.01) ND (0.025)	ND (0.0097) ND (0.025)	ND (0.011) ND (0.028)	ND (0.011) ND (0.027)	ND (0.011) ND (0.027)	ND (0.011) ND (0.027)	ND (0.01) ND (0.025)	ND (0.0099) ND (0.025)	ND (0.01) ND (0.025)	ND (0.011) ND (0.026)	ND (0.011) ND (0.027)	ND (0.0099) ND (0.025)	ND (0.01) ND (0.025)
2,4-Dinitrotoluene	*	*	ND (0.01)	ND (0.0097)	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.01)	ND (0.0099)	ND (0.01)	ND (0.011)	ND (0.011)	ND (0.0099)	ND (0.01)
2,6-Dinitrotoluene	*	*	ND (0.01)	ND (0.0097)	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.01)	ND (0.0099)	ND (0.01)	ND (0.011)	ND (0.011)	ND (0.0099)	ND (0.01)
2-Chloronaphthalene 2-Chlorophenol	0.61 0.038	8.2 0.51	ND (0.01) ND (0.01)	ND (0.0097) ND (0.0097)	ND (0.011) ND (0.011)	ND (0.011) ND (0.011)	ND (0.011) ND (0.011)	ND (0.011) ND (0.011)	ND (0.01) ND (0.01)	ND (0.0099) ND (0.0099)	ND (0.01) ND (0.01)	ND (0.011) ND (0.011)	ND (0.011) ND (0.011)	ND (0.0099) ND (0.0099)	ND (0.01) ND (0.01)
2-Methylnaphthalene	0.031	0.41	0.00039 J	ND (0.0097) ND (0.0097)	ND (0.011) ND (0.011)	ND (0.011) ND (0.011)	ND (0.011)	0.0039 J	0.0024 J	0.00038 J	ND (0.01)	ND (0.011) ND (0.011)	ND (0.011) ND (0.011)	ND (0.0099)	ND (0.01)
2-Methylphenol	1.8	5.1	ND (0.01) UJ	ND (0.0097) UJ	ND (0.011) UJ	ND (0.011) UJ	ND (0.011) UJ	ND (0.011) UJ	ND (0.01) UJ	ND (0.0099) UJ	ND (0.01)	ND (0.011) UJ	ND (0.011) UJ	ND (0.0099) UJ	ND (0.01) UJ
2-Nitroaniline	0.11	0.31	ND (0.025)	ND (0.025)	ND (0.028)	ND (0.027)	ND (0.027)	ND (0.027)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.026)	ND (0.027)	ND (0.025)	ND (0.025)
2-Nitrophenol 3,3'-Dichlorobenzidine	0.0019	* 0.0064	ND (0.01) ND (0.025)	ND (0.0097) ND (0.025)	ND (0.011) ND (0.028)	ND (0.011) ND (0.027)	ND (0.011) ND (0.027)	ND (0.011) ND (0.027)	ND (0.01) ND (0.025)	ND (0.0099) ND (0.025)	ND (0.01) ND (0.025)	ND (0.011) ND (0.026)	ND (0.011) ND (0.027)	ND (0.0099) ND (0.025)	ND (0.01) ND (0.025)
3-Nitroaniline	*	*	ND (0.025)	ND (0.025)	ND (0.028)	ND (0.027)	ND (0.027)	ND (0.027)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.026)	ND (0.027)	ND (0.025)	ND (0.025)
4,6-Dinitro-2-methylphenol	*	*	ND (0.025)	ND (0.025)	ND (0.028)	ND (0.027)	ND (0.027)	ND (0.027)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.026)	ND (0.027)	ND (0.025)	ND (0.025)
4-Bromophenyl phenyl ether	*	*	ND (0.01)	ND (0.0097)	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.01)	ND (0.0099)	ND (0.01)	ND (0.011)	ND (0.011)	ND (0.0099)	ND (0.01)
4-Chloro-3-methylphenol 4-Chloroaniline	0.15	0.41	ND (0.01) ND (0.01)	ND (0.0097) ND (0.0097)	ND (0.011) ND (0.011)	ND (0.011) ND (0.011)	ND (0.011) ND (0.011)	ND (0.011) ND (0.011)	ND (0.01) ND (0.01)	ND (0.0099) ND (0.0099)	ND (0.01) ND (0.01)	ND (0.011) ND (0.011)	ND (0.011) ND (0.011)	ND (0.0099) ND (0.0099)	ND (0.01) ND (0.01)
4-Chlorophenyl phenyl ether	*	*	ND (0.01)	ND (0.0097)	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.01)	ND (0.0099)	ND (0.01)	ND (0.011)	ND (0.011)	ND (0.0099)	ND (0.01)
4-Methylphenol	0.18	0.51	ND (0.01) UJ	ND (0.0097) UJ	ND (0.011) UJ	ND (0.011) UJ	ND (0.011) UJ	ND (0.011) UJ	ND (0.01) UJ	ND (0.0099) UJ	ND (0.01)	ND (0.011) UJ	ND (0.011) UJ	ND (0.0099) UJ	ND (0.01) UJ
4-Nitrophanal	*	*	ND (0.025) ND (0.025)	ND (0.025) ND (0.025)	ND (0.028) ND (0.028)	ND (0.027)	ND (0.027) ND (0.027)	ND (0.027) ND (0.027)	ND (0.025) ND (0.025)	ND (0.025) ND (0.025)	ND (0.025) ND (0.025)	ND (0.026) ND (0.026)	ND (0.027) ND (0.027)	ND (0.025) ND (0.025)	ND (0.025) ND (0.025)
4-Nitrophenol Acenaphthene	0.46	4.2	ND (0.023) ND (0.01)	ND (0.023) ND (0.0097)	ND (0.028) ND (0.011)	ND (0.027) ND (0.011)	ND (0.027) ND (0.011)	ND (0.027) ND (0.011)	ND (0.023) ND (0.01)	ND (0.023)	ND (0.023) ND (0.01)	ND (0.020) ND (0.011)	ND (0.027) ND (0.011)	ND (0.023)	ND (0.023) ND (0.01)
Acenaphthylene	0.071	0.73	ND (0.01)	ND (0.0097)	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.01)	ND (0.0099)	ND (0.01)	ND (0.011)	ND (0.011)	ND (0.0099)	ND (0.01)
Acetophenone	*	*	- NED (0.005) III	- NTD (0.005) III		-	-	-	-	-	- NTD (0.005)	-		-	-
Aniline Anthracene	0.043	0.043	ND (0.025) UJ ND (0.01)	ND (0.025) UJ ND (0.0097)	ND (0.028) UJ ND (0.011)	ND (0.027) UJ ND (0.011)	ND (0.027) UJ ND (0.011)	ND (0.027) UJ ND (0.011)	ND (0.025) UJ ND (0.01)	ND (0.025) UJ ND (0.0099)	ND (0.025) ND (0.01)	ND (0.026) UJ ND (0.011)	ND (0.027) UJ ND (0.011)	ND (0.025) UJ ND (0.0099)	ND (0.025) UJ ND (0.01)
Atrazine	0.003	0.013	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzaldehyde	*	*	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)anthracene	0.0012 0.0002	0.0039 0.00039	ND (0.01) ND (0.01)	ND (0.0097) ND (0.0097)	ND (0.011) ND (0.011)	ND (0.011) ND (0.011)	ND (0.011) ND (0.011)	ND (0.011) ND (0.011)	ND (0.01) ND (0.01)	ND (0.0099) ND (0.0099)	ND (0.01) ND (0.01)	ND (0.011) ND (0.011)	ND (0.011) ND (0.011)	ND (0.0099) ND (0.0099)	ND (0.01) ND (0.01)
Benzo(a)pyrene Benzo(b)fluoranthene	0.0002	0.00039	ND (0.01) ND (0.01)	ND (0.0097) ND (0.0097)	ND (0.011) ND (0.011)	ND (0.011) ND (0.011)	ND (0.011) ND (0.011)	ND (0.011) ND (0.011)	ND (0.01) ND (0.01)	ND (0.0099)	ND (0.01) ND (0.01)	ND (0.011) ND (0.011)	ND (0.011) ND (0.011)	ND (0.0099)	ND (0.01) ND (0.01)
Benzo(g,h,i)perylene	0.00026	0.00026	ND (0.01)	ND (0.0097)	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.01)	ND (0.0099)	ND (0.01)	ND (0.011)	ND (0.011)	ND (0.0099)	ND (0.01)
Benzo(k)fluoranthene	0.0008	0.00080	ND (0.01)	ND (0.0097)	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.01)	ND (0.0099)	ND (0.01)	ND (0.011)	ND (0.011)	ND (0.0099)	ND (0.01)
Benzoic acid Benzyl alcohol	150 11	410 31	ND (0.025) ND (0.01)	ND (0.025) ND (0.0097)	ND (0.028) ND (0.011)	ND (0.027) ND (0.011)	ND (0.027) ND (0.011)	ND (0.027) ND (0.011)	ND (0.025) ND (0.01)	ND (0.025) ND (0.0099)	ND (0.025) ND (0.01)	ND (0.026) ND (0.011)	ND (0.027) ND (0.011)	ND (0.025) ND (0.0099)	ND (0.025) ND (0.01)
Biphenyl (1,1-Biphenyl)	*	*	-	-	-	-	-	-	-	-	-	-	-	-	-
bis(2-Chloroethoxy)methane	*	*	ND (0.01)	ND (0.0097)	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.01)	ND (0.0099)	ND (0.01)	ND (0.011)	ND (0.011)	ND (0.0099)	ND (0.01)
bis(2-Chloroethyl)ether	0.00015	0.0026	ND (0.01)	ND (0.0097)	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.01)	ND (0.0099)	ND (0.01)	ND (0.011)	ND (0.011)	ND (0.0099)	ND (0.01)
bis(2-Ethylhexyl)phthalate (DEHP) Butyl benzylphthalate (BBP)	0.006 2.7	0.2 2.7	ND (0.01) ND (0.01)	ND (0.0097) ND (0.0097)	ND (0.011) ND (0.011)	0.0026 J ND (0.011)	ND (0.011) ND (0.011)	ND (0.011) ND (0.011)	ND (0.01) ND (0.01)	0.032 ^a ND (0.0099)	ND (0.01) ND (0.01)	ND (0.011) ND (0.011)	ND (0.011) ND (0.011)	ND (0.0099) ND (0.0099)	ND (0.01) ND (0.01)
Caprolactam	*	*	-	-	-	-	-	-	-	-	-	-	-	-	-
Carbazole	0.043	0.14		<u>-</u>	·	-	-	-				-	-	·	-
Chrysene	0.0016 0.00012	0.0016 0.00039	ND (0.01) ND (0.01)	ND (0.0097)	ND (0.011)	ND (0.011) ND (0.011)	ND (0.011) ND (0.011)	ND (0.011)	ND (0.01) ND (0.01)	ND (0.0099) ND (0.0099)	ND (0.01) ND (0.01)	ND (0.011) ND (0.011)	ND (0.011)	ND (0.0099) ND (0.0099)	ND (0.01) ND (0.01)
Dibenz(a,h)anthracene Dibenzofuran	0.015	0.00039	ND (0.01)	ND (0.0097) ND (0.0097)	ND (0.011) ND (0.011)	ND (0.011) ND (0.011)	ND (0.011) ND (0.011)	ND (0.011) ND (0.011)	ND (0.01)	ND (0.0099)	ND (0.01) ND (0.01)	ND (0.011) ND (0.011)	ND (0.011) ND (0.011)	ND (0.0099)	ND (0.01)
Diethyl phthalate	29	82	ND (0.01)	ND (0.0097)	ND (0.011) UJ	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.01)	ND (0.0099)	ND (0.01)	ND (0.011) UJ	ND (0.011) UJ	ND (0.0099)	ND (0.01) UJ
Dimethyl phthalate	360	1000	ND (0.01)	ND (0.0097)	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.01)	ND (0.0099)	ND (0.01)	ND (0.011)	ND (0.011)	ND (0.0099)	ND (0.01)
Di-n-butylphthalate (DBP) Di-n-octyl phthalate (DnOP)	3.6 0.02	10 0.020	ND (0.01) ND (0.01)	ND (0.0097) ND (0.0097)	ND (0.011) UJ ND (0.011)	ND (0.011) ND (0.011)	ND (0.011) ND (0.011)	ND (0.011) ND (0.011)	ND (0.01) ND (0.01)	ND (0.0099) ND (0.0099)	ND (0.01) ND (0.01)	ND (0.011) UJ ND (0.011)	ND (0.011) UJ ND (0.011)	ND (0.0099) ND (0.0099)	ND (0.01) UJ ND (0.01)
Fluoranthene	0.21	0.21	ND (0.01)	ND (0.0097)	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.01)	ND (0.0099)	ND (0.01)	ND (0.011)	ND (0.011)	ND (0.0099)	ND (0.01)
Fluorene	0.31	2	ND (0.01)	ND (0.0097)	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.01)	ND (0.0099)	ND (0.01)	ND (0.011)	ND (0.011)	ND (0.0099)	ND (0.01)
Hexachlorobenzene Hexachlorobutadiene	0.001 0.011	0.0018 0.031	ND (0.01)	ND (0.0097) ND (0.0097)	ND (0.011) ND (0.011)	ND (0.011) ND (0.011)	ND (0.011) ND (0.011)	ND (0.011) ND (0.011)	ND (0.01)	ND (0.0099) ND (0.0099)	ND (0.01) ND (0.01)	ND (0.011) ND (0.011)	ND (0.011) ND (0.011)	ND (0.0099) ND (0.0099)	ND (0.01)
Hexachlorocyclopentadiene	0.011	0.61	ND (0.01) ND (0.01)	ND (0.0097)	ND (0.011) ND (0.011)	ND (0.011) ND (0.011)	ND (0.011) ND (0.011)	ND (0.011) ND (0.011)	ND (0.01) ND (0.01)	ND (0.0099)	ND (0.01) ND (0.01)	ND (0.011) ND (0.011)	ND (0.011) ND (0.011)	ND (0.0099)	ND (0.01) ND (0.01)
Hexachloroethane	0.036	0.1	ND (0.01) UJ	ND (0.0097) UJ	ND (0.011) UJ	ND (0.011) UJ	ND (0.011) UJ	ND (0.011) UJ	ND (0.01) UJ	ND (0.0099) UJ	ND (0.01)	ND (0.011) UJ	ND (0.011) UJ	ND (0.0099) UJ	ND (0.01) UJ
Indeno(1,2,3-cd)pyrene	0.000022	0.000022	ND (0.01)	ND (0.0097)	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.01)	ND (0.0099)	ND (0.01)	ND (0.011)	ND (0.011)	ND (0.0099)	ND (0.01)
Isophorone Naphthalene	0.9 0.0083	3 2	ND (0.01) ND (0.01) UJ	ND (0.0097) ND (0.0097) UJ	ND (0.011) ND (0.011) UJ	ND (0.011) ND (0.011) UJ	ND (0.011) ND (0.011) UJ	ND (0.011) 0.0014 J	ND (0.01) 0.00073 J	ND (0.0099) ND (0.0099) UJ	ND (0.01) ND (0.01)	ND (0.011) ND (0.011) UJ	ND (0.011) ND (0.011) UJ	ND (0.0099) ND (0.0099) UJ	ND (0.01) ND (0.01) UJ
Nitrobenzene	0.0043	0.051	ND (0.01)	ND (0.0097)	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.01)	ND (0.0099)	ND (0.01)	ND (0.011)	ND (0.011)	ND (0.0099)	ND (0.01)
N-Nitrosodimethylamine	*	*	ND (0.025)	ND (0.025)	ND (0.028)	ND (0.027)	ND (0.027)	ND (0.027)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.026)	ND (0.027)	ND (0.025)	ND (0.025)
N-Nitrosodi-n-propylamine	0.00012 0.17	0.00041 0.58	ND (0.01)	ND (0.0097)	ND (0.011) UJ	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.01)	ND (0.0099)	ND (0.01)	ND (0.011)	ND (0.011)	ND (0.0099)	ND (0.01) UJ
N-Nitrosodiphenylamine Pentachlorophenol	0.17	0.024	ND (0.01) ND (0.025)	ND (0.0097) ND (0.025)	ND (0.011) ND (0.028)	ND (0.011) ND (0.027)	ND (0.011) ND (0.027)	ND (0.011) ND (0.027)	ND (0.01) ND (0.025)	ND (0.0099) ND (0.025)	ND (0.01) ND (0.025)	ND (0.011) ND (0.026)	ND (0.011) ND (0.027)	ND (0.0099) ND (0.025)	ND (0.01) ND (0.025)
Phenanthrene	0.023	0.31	ND (0.01)	ND (0.0097)	ND (0.011)	ND (0.011)	ND (0.011)	0.001 J	0.00076 J	ND (0.0099)	ND (0.01)	ND (0.011)	ND (0.011)	ND (0.0099)	ND (0.01)
Phenol	11	31	ND (0.01)	ND (0.0097)	ND (0.011) U	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.01)	ND (0.0099)	ND (0.01)	ND (0.011)	ND (0.011)	ND (0.0099)	ND (0.01) U
Pyrene	0.14	0.14	ND (0.01)	ND (0.0097)	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.01)	ND (0.0099)	ND (0.01)	ND (0.011)	ND (0.011)	ND (0.0099)	ND (0.01)

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Sample Location: Sample ID: Sample Date: Sample Type:			OB-01 GW-102603-MG-036 10/26/2003	OB-02 GW-102603-MG-038 10/26/2003	OB-03 GW-102503-MG-032 10/25/2003	OB-04 GW-102703-MG-043 10/27/2003	OB-05 GW-102703-MG-044 10/27/2003	OB-06 GW-102603-MG-039 10/26/2003	OB-07 GW-102603-MG-040 10/26/2003	OB-08 GW-102703-MG-045 10/27/2003	OB-08 GW-121304-MG-061 12/13/2004	OB-09 GW-102203-MG-007 10/22/2003	OB-09 GW-102203-MG-008 10/22/2003 (Duplicate)	OB-10 GW-102703-MG-048 10/27/2003	OB-11 GW-102403-MG-026 10/24/2003
	IDEM RISC Defai														
Parameters	Residential	Industrial													
	а	ь													
Semivolatile Organic Compounds~BN															
2-Methylnaphthalene	0.031	0.41	0.00022	ND (0.00002)	ND (0.000021) U	ND (0.00002)	ND (0.00002) U	0.00019	0.00049	0.00014	-	ND (0.00002) U	ND (0.00002) U	ND (0.00002) U	ND (0.00002) U
Acenaphthene	0.46	4.2	0.000017 J	ND (0.00002)	ND (0.000021)	ND (0.00002)	ND (0.00002)	0.000017 J	0.000033 J	0.000012 J	-	ND (0.00002)	ND (0.00002)	ND (0.00002)	ND (0.00002)
Acenaphthylene	0.071	0.73	0.0000088 J	0.0000048 J	ND (0.000021)	ND (0.00002)	ND (0.00002)	0.00001 J	0.000026 J	0.0000052 J	-	0.000021	0.000023	0.0000032 J	ND (0.00002)
Anthracene	0.043	0.043	0.0000077 J	0.0000023 J	ND (0.000021)	0.0000013 J	0.0000022 J	0.00001 J	0.000012 J	0.0000045 J	-	0.0000097 J	0.000013 J	0.0000048 J	ND (0.00002)
Benzo(a)anthracene	0.0012	0.0039	0.0000092 J	0.0000034 J	ND (0.000021)	0.0000028 J	0.0000036 J	0.000013 J	0.0000071 J	ND (0.00002)	-	ND (0.00002) U	ND (0.00002) U	0.00001 J	0.0000025 J
Benzo(a)pyrene	0.0002	0.00039	0.000011 J	0.0000068 J	ND (0.000021)	0.0000025 J	0.0000037 J	0.000018 J	0.0000099 J	0.0000028 J	-	0.000021	0.000025	0.0000082 J	0.0000026 J
Benzo(b)fluoranthene	0.0012	0.0015	ND (0.000021) U	ND (0.00002) U	ND (0.000021) U	ND (0.00002) U	ND (0.00002) U	ND (0.000034) U	ND (0.000058) U	ND (0.00002) U	-	ND (0.00002) U	ND (0.00002) U	ND (0.00002) U	ND (0.00002) U
Benzo(g,h,i)perylene	0.00026	0.00026	0.000073	0.00001 J	ND (0.000021)	0.0000061 J	0.0000057 J	0.00014	0.00008	0.00003	-	ND (0.000024) U	ND (0.000025) U	0.000012 J	0.0000048 J
Benzo(k)fluoranthene	0.0008	0.00080	ND (0.00002) U	ND (0.00002) U	ND (0.000021)	ND (0.00002) U	ND (0.00002) U	0.000012 J	ND (0.000058) U	ND (0.00002) U	-	ND (0.00002) U	ND (0.00002) U	0.000011 J	0.0000026 J
Chrysene	0.0016	0.0016	0.000022	0.0000041 J	ND (0.000021)	0.0000047 J	0.0000054 J	0.000037	0.000039 J	0.000019 J	-	ND (0.00002) U	0.000021	0.000013 J	0.0000037 J
Dibenz(a,h)anthracene	0.00012	0.00039	0.0000071 J	0.0000024 J	ND (0.000021)	ND (0.00002)	ND (0.00002)	0.000011 J	0.0000083 J	ND (0.00002)	-	ND (0.00002) U	ND (0.00002) U	0.0000057 J	ND (0.00002)
Dibenzofuran	0.015	0.2	0.000023	ND (0.00002)	ND (0.000021)	ND (0.00002)	ND (0.00002)	0.000024	0.000044 J	0.000021	-	ND (0.00002)	ND (0.00002)	ND (0.00002)	ND (0.00002)
Fluoranthene	0.21	0.21	0.000022	ND (0.00002) U	ND (0.000021)	ND (0.00002) U	ND (0.00002) U	ND (0.000038) U	ND (0.000058) U	0.000014 J	-	ND (0.00002) U	ND (0.00002) U	0.000014 J	0.0000073 J
Fluorene	0.31	2	0.000028	ND (0.00002)	ND (0.000021)	ND (0.00002)	ND (0.00002)	0.000035	0.000046 J	0.000015 J	-	0.0000047 J	ND (0.00002)	0.0000039 J	ND (0.00002)
Indeno(1,2,3-cd)pyrene	0.000022	0.000022	0.000013 J	0.0000099 J	ND (0.000021)	0.0000023 J	0.0000039 J	0.00002 J	0.00001 J	0.0000043 J	-	ND (0.000025) U	ND (0.00002) U	0.00001 J	0.0000027 J
Naphthalene	0.0083	2	ND (0.000069) U	ND (0.00002) U	ND (0.000021) U	ND (0.00002) U	ND (0.00002) U	ND (0.000052) U	ND (0.0001) U	ND (0.000043) U	-	ND (0.00002) U	ND (0.00002) U	ND (0.00002) U	ND (0.00002) U
Phenanthrene	0.023	0.31	ND (0.00002) U	ND (0.00002)	ND (0.000021)	0.0000036 J	0.0000074 J	0.00014	0.00021	0.0001	-	ND (0.00002) U	ND (0.00002) U	0.000011 J	0.0000074 J
Pyrene	0.14	0.14	0.000035	0.0000033 J	ND (0.000021)	0.0000039 J	0.0000092 J	0.000057	0.000065	0.000027	-	0.00011	0.00011	0.000014 J	0.0000067 J

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Sample Location: Sample ID: Sample Date: Sample Type:			OB-11 GW-102403-MG-027 10/24/2003 (Duplicate)	OB-12 GW-102703-MG-046 10/27/2003	OB-13 GW-102703-MG-047 10/27/2003	OB-14 GW-102703-MG-049 10/27/2003	OB-15 GW-102203-MG-012 10/22/2003	OB-15 GW-120704-MG-035 12/7/2004	OB-15 GW-120704-MG-036 12/7/2004 (Duplicate)	OB-16 GW-102103-MG-001 10/21/2003	OB-17 GW-102103-MG-002 10/21/2003	OB-18 GW-102303-MG-013 10/23/2003	OB-19 GW-102303-MG-014 10/23/2003	OB-20 GW-102303-MG-015 10/23/2003	OB-21 GW-102303-MG-016 10/23/2003
Parameters	IDEM RISC Defau Residential a	lt Closure Levels Industrial h	(Eupiteme)						(2 apricule)						
Semivolatile Organic Compounds (m/L)	и	υ													
1,2,4-Trichlorobenzene	0.07	1	ND (0.01)	ND (0.011)	ND (0.011)	ND (0.01)	ND (0.0099)	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.0098)	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.011)
1,2-Dichlorobenzene 1,3-Dichlorobenzene	0.6 0.08	9.2 0.31	ND (0.01) UJ ND (0.01)	ND (0.011) UJ ND (0.011)	ND (0.011) UJ ND (0.011)	ND (0.01) UJ ND (0.01)	ND (0.0099) UJ ND (0.0099)	ND (0.011) ND (0.011)	ND (0.011) ND (0.011)	ND (0.011) ND (0.011)	ND (0.0098) ND (0.0098)	ND (0.011) UJ ND (0.011)			
1,4-Dichlorobenzene	0.075	0.12	ND (0.01)	ND (0.011)	ND (0.011)	ND (0.01)	ND (0.0099)	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.0098)	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.011)
2,2'-Oxybis(1-chloropropane)															
(bis(2-Chloroisopropyl) ether) 2,4,5-Trichlorophenol	0.0042 3.6	0.041 10	ND (0.01) ND (0.01)	ND (0.011) ND (0.011)	ND (0.011) ND (0.011)	ND (0.01) ND (0.01)	ND (0.0099) ND (0.0099)	ND (0.011) ND (0.011)	ND (0.011) ND (0.011)	ND (0.011) ND (0.011)	ND (0.0098) ND (0.0098)	ND (0.011) ND (0.011)	ND (0.011) ND (0.011)	ND (0.011) ND (0.011)	ND (0.011) ND (0.011)
2,4,6-Trichlorophenol	0.0036	0.01	ND (0.01)	ND (0.011)	ND (0.011)	ND (0.01)	ND (0.0099)	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.0098)	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.011)
2,4-Dichlorophenol	0.11	0.31	ND (0.01)	ND (0.011)	ND (0.011)	ND (0.01)	ND (0.0099)	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.0098)	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.011)
2,4-Dimethylphenol	0.73 0.073	2 0.2	ND (0.01) ND (0.025)	ND (0.011) ND (0.027)	ND (0.011) ND (0.027)	ND (0.01) ND (0.025)	ND (0.0099) ND (0.025)	ND (0.011) ND (0.026)	ND (0.011) ND (0.026)	ND (0.011) ND (0.027)	ND (0.0098) ND (0.025)	ND (0.011)	ND (0.011) ND (0.027)	ND (0.011) ND (0.026)	ND (0.011)
2,4-Dinitrophenol 2,4-Dinitrotoluene	0.075 *	*	ND (0.025) ND (0.01)	ND (0.027) ND (0.011)	ND (0.027) ND (0.011)	ND (0.025) ND (0.01)	ND (0.029)	ND (0.026) ND (0.011)	ND (0.026) ND (0.011)	ND (0.027) ND (0.011)	ND (0.025)	ND (0.026) ND (0.011)	ND (0.027) ND (0.011)	ND (0.026) ND (0.011)	ND (0.027) ND (0.011)
2,6-Dinitrotoluene	*	*	ND (0.01)	ND (0.011)	ND (0.011)	ND (0.01)	ND (0.0099)	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.0098)	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.011)
2-Chloronaphthalene	0.61	8.2	ND (0.01)	ND (0.011)	ND (0.011)	ND (0.01)	ND (0.0099)	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.0098)	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.011)
2-Chlorophenol 2-Methylnaphthalene	0.038 0.031	0.51 0.41	ND (0.01) ND (0.01)	ND (0.011) ND (0.011)	ND (0.011) ND (0.011)	ND (0.01) ND (0.01)	ND (0.0099) ND (0.0099)	ND (0.011) ND (0.011)	ND (0.011) ND (0.011)	ND (0.011) ND (0.011)	ND (0.0098) ND (0.0098)	ND (0.011) ND (0.011)	ND (0.011) ND (0.011)	ND (0.011) ND (0.011)	ND (0.011) ND (0.011)
2-Methylphenol	1.8	5.1	ND (0.01) ND (0.01) UJ	ND (0.011) ND (0.011) UJ	ND (0.011) ND (0.011) UJ	ND (0.01) ND (0.01) UJ	ND (0.0099) UJ	ND (0.011) ND (0.011)	ND (0.011) ND (0.011)	ND (0.011) ND (0.011)	ND (0.0098)	ND (0.011) ND (0.011) UJ			
2-Nitroaniline	0.11	0.31	ND (0.025)	ND (0.027)	ND (0.027)	ND (0.025)	ND (0.025)	ND (0.026)	ND (0.026)	ND (0.027)	ND (0.025)	ND (0.026)	ND (0.027)	ND (0.026)	ND (0.027)
2-Nitrophenol	*	*	ND (0.01)	ND (0.011)	ND (0.011)	ND (0.01)	ND (0.0099)	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.0098)	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.011)
3,3'-Dichlorobenzidine 3-Nitroaniline	0.0019	0.0064	ND (0.025) ND (0.025)	ND (0.027) ND (0.027)	ND (0.027) ND (0.027)	ND (0.025) ND (0.025)	ND (0.025) ND (0.025)	ND (0.026) ND (0.026)	ND (0.026) ND (0.026)	ND (0.027) ND (0.027)	ND (0.025) ND (0.025)	ND (0.026) ND (0.026)	ND (0.027) ND (0.027)	ND (0.026) ND (0.026)	ND (0.027) ND (0.027)
4,6-Dinitro-2-methylphenol	*	*	ND (0.025)	ND (0.027)	ND (0.027)	ND (0.025)	ND (0.025)	ND (0.026)	ND (0.026)	ND (0.027)	ND (0.025)	ND (0.026)	ND (0.027)	ND (0.026)	ND (0.027)
4-Bromophenyl phenyl ether	*	*	ND (0.01)	ND (0.011)	ND (0.011)	ND (0.01)	ND (0.0099)	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.0098)	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.011)
4-Chloro-3-methylphenol	*	*	ND (0.01)	ND (0.011)	ND (0.011)	ND (0.01)	ND (0.0099)	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.0098)	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.011)
4-Chloroaniline 4-Chlorophenyl phenyl ether	0.15 *	0.41	ND (0.01) ND (0.01)	ND (0.011) ND (0.011)	ND (0.011) ND (0.011)	ND (0.01) ND (0.01)	ND (0.0099) ND (0.0099)	ND (0.011) ND (0.011)	ND (0.011) ND (0.011)	ND (0.011) ND (0.011)	ND (0.0098) ND (0.0098)	ND (0.011) ND (0.011)	ND (0.011) ND (0.011)	ND (0.011) ND (0.011)	ND (0.011) ND (0.011)
4-Methylphenol	0.18	0.51	ND (0.01) UJ	ND (0.011) UJ	ND (0.011) UJ	ND (0.01) UJ	ND (0.0099) UJ	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.0098)	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.011)
4-Nitroaniline	*	*	ND (0.025)	ND (0.027)	ND (0.027)	ND (0.025)	ND (0.025)	ND (0.026)	ND (0.026)	ND (0.027)	ND (0.025)	ND (0.026)	ND (0.027)	ND (0.026)	ND (0.027)
4-Nitrophenol Acenaphthene	* 0.46	* 4.2	ND (0.025) ND (0.01)	ND (0.027) ND (0.011)	ND (0.027) ND (0.011)	ND (0.025) ND (0.01)	ND (0.025) ND (0.0099)	ND (0.026) ND (0.011)	ND (0.026) ND (0.011)	ND (0.027) ND (0.011)	ND (0.025) ND (0.0098)	ND (0.026) UJ ND (0.011)	ND (0.027) UJ ND (0.011)	ND (0.026) UJ ND (0.011)	ND (0.027) UJ ND (0.011)
Acenaphthylene	0.071	0.73	ND (0.01)	ND (0.011) ND (0.011)	ND (0.011)	ND (0.01)	ND (0.0099)	ND (0.011) ND (0.011)	ND (0.011) ND (0.011)	ND (0.011) ND (0.011)	ND (0.0098)	ND (0.011) ND (0.011)	ND (0.011) ND (0.011)	ND (0.011) ND (0.011)	ND (0.011) ND (0.011)
Acetophenone	*	*	=	-	-	-	· -	-	-	-	-	-	-	-	-
Aniline	*	*	ND (0.025) UJ	ND (0.027) UJ	ND (0.027) UJ	ND (0.025) UJ	ND (0.025) UJ	ND (0.026)	ND (0.026)	ND (0.027)	ND (0.025)	ND (0.026) UJ	ND (0.027) UJ	ND (0.026) UJ	ND (0.027) UJ
Anthracene Atrazine	0.043 0.003	0.043 0.013	ND (0.01)	ND (0.011)	ND (0.011)	ND (0.01)	ND (0.0099)	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.0098)	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.011)
Benzaldehyde	*	*	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)anthracene	0.0012	0.0039	ND (0.01)	ND (0.011)	ND (0.011)	ND (0.01)	ND (0.0099)	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.0098)	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.011)
Benzo(a)pyrene Benzo(b)fluoranthene	0.0002 0.0012	0.00039 0.0015	ND (0.01) ND (0.01)	ND (0.011) ND (0.011)	ND (0.011) ND (0.011)	ND (0.01) ND (0.01)	ND (0.0099) ND (0.0099)	ND (0.011) ND (0.011)	ND (0.011) ND (0.011)	ND (0.011) ND (0.011)	ND (0.0098) ND (0.0098)	ND (0.011) ND (0.011)	ND (0.011) ND (0.011)	ND (0.011) ND (0.011)	ND (0.011) ND (0.011)
Benzo(g,h,i)perylene	0.00026	0.00026	ND (0.01)	ND (0.011)	ND (0.011)	ND (0.01)	ND (0.0099)	ND (0.011)	ND (0.011)	ND (0.011) ND (0.011) UJ	ND (0.0098) UJ	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.011)
Benzo(k)fluoranthene	0.0008	0.00080	ND (0.01)	ND (0.011)	ND (0.011)	ND (0.01)	ND (0.0099)	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.0098)	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.011)
Benzoic acid	150	410	ND (0.025)	ND (0.027)	ND (0.027)	ND (0.025)	ND (0.025)	ND (0.026)	ND (0.026)	ND (0.027)	ND (0.025)	ND (0.026)	ND (0.027)	ND (0.026)	ND (0.027)
Benzyl alcohol Biphenyl (1,1-Biphenyl)	11 *	31	ND (0.01)	ND (0.011)	ND (0.011)	ND (0.01)	ND (0.0099)	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.0098)	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.011)
bis(2-Chloroethoxy)methane	*	*	ND (0.01)	ND (0.011)	ND (0.011)	ND (0.01)	ND (0.0099)	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.0098)	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.011)
bis(2-Chloroethyl)ether	0.00015	0.0026	ND (0.01)	ND (0.011)	ND (0.011)	ND (0.01)	ND (0.0099)	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.0098)	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.011)
bis(2-Ethylhexyl)phthalate (DEHP)	0.006	0.2	ND (0.01)	ND (0.011)	ND (0.011)	ND (0.01)	ND (0.0099)	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.0098)	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.011)
Butyl benzylphthalate (BBP) Caprolactam	2.7	2.7	ND (0.01)	ND (0.011)	ND (0.011)	ND (0.01)	ND (0.0099)	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.0098)	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.011)
Carbazole	0.043	0.14	-	-	-	-	-	-	-	-	-	-	-	-	-
Chrysene	0.0016	0.0016	ND (0.01)	ND (0.011)	ND (0.011)	ND (0.01)	ND (0.0099)	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.0098)	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.011)
Dibenz(a,h)anthracene Dibenzofuran	0.00012 0.015	0.00039 0.2	ND (0.01) ND (0.01)	ND (0.011) ND (0.011)	ND (0.011) ND (0.011)	ND (0.01) ND (0.01)	ND (0.0099) ND (0.0099)	ND (0.011) ND (0.011)	ND (0.011) ND (0.011)	ND (0.011) ND (0.011)	ND (0.0098) ND (0.0098)	ND (0.011) ND (0.011)	ND (0.011) ND (0.011)	ND (0.011) ND (0.011)	ND (0.011) ND (0.011)
Diethyl phthalate	29	82	ND (0.01) UJ	ND (0.011)	ND (0.011)	ND (0.01)	ND (0.0099) UJ	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.0098)	ND (0.011) UJ	ND (0.011) UJ	ND (0.011) UJ	ND (0.011) UJ
Dimethyl phthalate	360	1000	ND (0.01)	ND (0.011)	ND (0.011)	ND (0.01)	ND (0.0099)	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.0098)	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.011)
Di-n-butylphthalate (DBP)	3.6	10	ND (0.01) UJ	ND (0.011)	ND (0.011)	ND (0.01)	ND (0.0099) UJ	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.0098)	ND (0.011) UJ	ND (0.011) UJ	ND (0.011) UJ	ND (0.011) UJ
Di-n-octyl phthalate (DnOP) Fluoranthene	0.02 0.21	0.020 0.21	ND (0.01) ND (0.01)	ND (0.011) ND (0.011)	ND (0.011) ND (0.011)	ND (0.01) ND (0.01)	ND (0.0099) ND (0.0099)	ND (0.011) ND (0.011)	ND (0.011) ND (0.011)	ND (0.011) ND (0.011)	ND (0.0098) ND (0.0098)	ND (0.011) ND (0.011)	ND (0.011) ND (0.011)	ND (0.011) ND (0.011)	ND (0.011) ND (0.011)
Fluorene	0.31	2	ND (0.01)	ND (0.011)	ND (0.011)	ND (0.01)	ND (0.0099)	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.0098)	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.011)
Hexachlorobenzene	0.001	0.0018	ND (0.01)	ND (0.011)	ND (0.011)	ND (0.01)	ND (0.0099)	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.0098)	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.011)
Hexachlorobutadiene Hexachlorocyclopentadiene	0.011 0.05	0.031 0.61	ND (0.01) ND (0.01)	ND (0.011) ND (0.011)	ND (0.011) ND (0.011)	ND (0.01) ND (0.01)	ND (0.0099) ND (0.0099)	ND (0.011) ND (0.011)	ND (0.011) ND (0.011)	ND (0.011) ND (0.011) UJ	ND (0.0098) ND (0.0098) UJ	ND (0.011) ND (0.011)	ND (0.011) ND (0.011)	ND (0.011) ND (0.011)	ND (0.011) ND (0.011)
Hexachloroethane	0.036	0.1	ND (0.01) ND (0.01) UJ	ND (0.011) ND (0.011) UJ	ND (0.011) ND (0.011) UJ	ND (0.01) ND (0.01) UJ	ND (0.0099) UJ	ND (0.011) ND (0.011)	ND (0.011) ND (0.011)	ND (0.011) C)	ND (0.0098)	ND (0.011) ND (0.011) UJ			
Indeno(1,2,3-cd)pyrene	0.000022	0.000022	ND (0.01)	ND (0.011)	ND (0.011)	ND (0.01)	ND (0.0099)	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.0098)	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.011)
Isophorone	0.9	3	ND (0.01)	ND (0.011)	ND (0.011)	ND (0.01)	ND (0.0099)	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.0098)	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.011)
Naphthalene Nitrobenzene	0.0083 0.0043	2 0.051	ND (0.01) UJ ND (0.01)	ND (0.011) UJ ND (0.011)	ND (0.011) UJ ND (0.011)	ND (0.01) UJ ND (0.01)	ND (0.0099) UJ ND (0.0099)	ND (0.011) ND (0.011)	ND (0.011) ND (0.011)	ND (0.011) ND (0.011)	ND (0.0098) ND (0.0098)	ND (0.011) UJ ND (0.011)			
N-Nitrosodimethylamine	*	*	ND (0.025)	ND (0.027)	ND (0.027)	ND (0.025)	ND (0.025)	ND (0.026)	ND (0.026)	ND (0.027)	ND (0.025)	ND (0.026)	ND (0.027)	ND (0.026)	ND (0.027)
N-Nitrosodi-n-propylamine	0.00012	0.00041	ND (0.01) UJ	ND (0.011)	ND (0.011)	ND (0.01)	ND (0.0099)	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.0098)	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.011)
N-Nitrosodiphenylamine Pentachlorophenol	0.17 0.001	0.58 0.024	ND (0.01) ND (0.025)	ND (0.011) ND (0.027)	ND (0.011) ND (0.027)	ND (0.01) ND (0.025)	ND (0.0099) ND (0.025)	ND (0.011) ND (0.026)	ND (0.011) ND (0.026)	ND (0.011) ND (0.027)	ND (0.0098) ND (0.025)	ND (0.011) ND (0.026)	ND (0.011) ND (0.027)	ND (0.011) ND (0.026)	ND (0.011) ND (0.027)
Phenanthrene	0.023	0.31	ND (0.025) ND (0.01)	ND (0.027) ND (0.011)	ND (0.027) ND (0.011)	ND (0.023) ND (0.01)	ND (0.023) ND (0.0099)	ND (0.026) ND (0.011)	ND (0.026) ND (0.011)	ND (0.027) ND (0.011)	ND (0.023) ND (0.0098)	ND (0.026) ND (0.011)	ND (0.027) ND (0.011)	ND (0.026) ND (0.011)	ND (0.027) ND (0.011)
Phenol	11	31	ND (0.01) U	ND (0.011)	ND (0.011)	ND (0.01)	ND (0.0099)	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.0098)	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.011)
Pyrene	0.14	0.14	ND (0.01)	ND (0.011)	ND (0.011)	ND (0.01)	ND (0.0099)	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.0098)	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.011)

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Sample Location: Sample ID: Sample Date: Sample Type:			OB-11 GW-102403-MG-027 10/24/2003 (Duplicate)	OB-12 GW-102703-MG-046 10/27/2003	OB-13 GW-102703-MG-047 10/27/2003	OB-14 GW-102703-MG-049 10/27/2003	OB-15 GW-102203-MG-012 10/22/2003	OB-15 GW-120704-MG-035 12/7/2004	OB-15 GW-120704-MG-036 12/7/2004 (Duplicate)	OB-16 GW-102103-MG-001 10/21/2003	OB-17 GW-102103-MG-002 10/21/2003	OB-18 GW-102303-MG-013 10/23/2003	OB-19 GW-102303-MG-014 10/23/2003	OB-20 GW-102303-MG-015 10/23/2003	OB-21 GW-102303-MG-016 10/23/2003
_	IDEM RISC Defai														
Parameters	Residential	Industrial													
0 : 1:7 0 : 0 1 PM	a	ь													
Semivolatile Organic Compounds~BN		0.41	NID (0.00000) II	NTD (0.00000)	NID (0.00000)	NID (0.00003)	NID (0.00000) II			NID (0.000001)	NID (0.00003) II	NTD (0.000021) II	NID (0.000021) II	NTD (0.000000) IT	NID (0.000021) II
2-Methylnaphthalene	0.031	0.41	ND (0.00002) U	ND (0.00002)	ND (0.00002)	ND (0.00002)	ND (0.00002) U	-	-	ND (0.000021)	ND (0.00002) U	ND (0.000021) U	ND (0.000021) U	ND (0.000022) U	ND (0.000021) U
Acenaphthene	0.46	4.2	ND (0.00002)	ND (0.00002)	ND (0.00002)	ND (0.00002)	0.0000073 J	-	-	ND (0.000021)	ND (0.00002)	ND (0.000021)	ND (0.000021)	ND (0.000022)	ND (0.000021) U
Acenaphthylene	0.071	0.73	ND (0.00002)	ND (0.00002)	ND (0.00002)	ND (0.00002)	0.0001	-	-	ND (0.000021) U	ND (0.00002)	ND (0.000021)	ND (0.000021)	ND (0.000022)	ND (0.000021)
Anthracene	0.043	0.043	0.0000014 J	ND (0.00002)	0.0000017 J	ND (0.00002)	0.000059	-	-	0.0000019 J	ND (0.00002)	ND (0.000021)	ND (0.000021)	0.0000041 J	0.0000035 J
Benzo(a)anthracene	0.0012	0.0039	ND (0.00002)	ND (0.00002)	0.0000037 J	ND (0.00002)	0.00012	-	-	ND (0.000021) U	ND (0.00002)	ND (0.000021)	ND (0.000021)	ND (0.000022) U	ND (0.000021) U
Benzo(a)pyrene	0.0002	0.00039	ND (0.00002)	ND (0.00002)	0.0000033 J	ND (0.00002)	0.00012	-	-	ND (0.000021) U	ND (0.00002) U	ND (0.000021)	ND (0.000021)	ND (0.000022) U	ND (0.000021) U
Benzo(b)fluoranthene	0.0012	0.0015	ND (0.00002) U	ND (0.00002) U	ND (0.00002) U	ND (0.00002) U	0.000065	-	-	ND (0.000021) U	ND (0.00002) U	ND (0.000021) U	ND (0.000021) U	ND (0.000022) U	ND (0.000021) U
Benzo(g,h,i)perylene	0.00026	0.00026	ND (0.00002)	0.0000042 J	0.0000038 J	ND (0.00002)	0.0001	-	-	ND (0.000021) U	ND (0.00002) U	ND (0.000021)	ND (0.000021)	0.000031	ND (0.000021) U
Benzo(k)fluoranthene	0.0008	0.00080	0.0000019 J	ND (0.00002) U	ND (0.00002) U	ND (0.00002)	0.000074	-	-	ND (0.000021) U	ND (0.00002) U	ND (0.000021)	ND (0.000021) U	ND (0.000022) U	ND (0.000021) U
Chrysene	0.0016	0.0016	0.0000025 J	0.0000039 J	0.0000047 J	ND (0.00002)	0.00013	-	-	ND (0.000021) U	ND (0.00002) U	ND (0.000021)	ND (0.000021) U	ND (0.000022) U	ND (0.000021) U
Dibenz(a,h)anthracene	0.00012	0.00039	ND (0.00002)	ND (0.00002)	ND (0.00002)	ND (0.00002)	ND (0.00002) U	=	-	ND (0.000021)	ND (0.00002)	ND (0.000021)	ND (0.000021)	ND (0.000022) U	ND (0.000021) U
Dibenzofuran	0.015	0.2	ND (0.00002)	ND (0.00002)	ND (0.00002)	ND (0.00002)	ND (0.00002)	-	-	ND (0.000021)	ND (0.00002)	ND (0.000021)	ND (0.000021)	ND (0.000022)	ND (0.000021)
Fluoranthene	0.21	0.21	0.0000055 J	ND (0.00002) U	ND (0.00002) U	ND (0.00002) U	0.00022	-	-	ND (0.000021) U	ND (0.00002) U	ND (0.000021) U	ND (0.000021) U	ND (0.000022) U	ND (0.000021) U
Fluorene	0.31	2	ND (0.00002)	ND (0.00002)	ND (0.00002)	ND (0.00002)	0.0000052 J	-	-	ND (0.000021)	ND (0.00002)	ND (0.000021)	ND (0.000021)	ND (0.000022)	0.000003 J
Indeno(1,2,3-cd)pyrene	0.000022	0.000022	ND (0.00002)	ND (0.00002)	0.0000032 J	ND (0.00002)	0.00007^{ab}	-	-	ND (0.000021) U	ND (0.00002)	0.0000029 J	ND (0.000021) U	ND (0.000022) U	ND (0.000021) U
Naphthalene	0.0083	2	ND (0.00002) U	ND (0.00002) U	ND (0.00002) U	ND (0.00002) U	ND (0.00002) U	=	-	ND (0.000021) U	ND (0.00002) U	ND (0.000021) U	ND (0.000021) U	ND (0.000022) U	ND (0.000021) U
Phenanthrene	0.023	0.31	0.0000049 J	0.0000043 J	0.000007 J	ND (0.00002)	0.00019	-	-	ND (0.000021)	ND (0.00002)	ND (0.000021)	ND (0.000021)	ND (0.000022)	ND (0.000021) U
Pyrene	0.14	0.14	0.0000041 J	0.0000026 J	0.0000073 J	ND (0.00002)	0.00046	-	-	0.000022	ND (0.00002) U	ND (0.000021)	ND (0.000021)	ND (0.000022) U	ND (0.000021) U

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Sample Location: Sample ID: Sample Date:			OB-22 GW-102203-MG-006 10/22/2003	OB-23 GW-102303-MG-018 10/23/2003	OB-24 GW-082603-BT-005 8/26/2003	OB-24 GW-102303-MG-017 10/23/2003	OB-25 GW-102203-MG-005 10/22/2003	OB-26 GW-102103-MG-003 10/21/2003	OB-26 GW-110703-MG-061 11/7/2003	OB-27 GW-102403-MG-022 10/24/2003	OB-28 GW-102303-MG-021 10/23/2003	OB-29 GW-102303-MG-019 10/23/2003	OB-29 GW-102303-MG-020 10/23/2003	OB-30 GW-102403-MG-023 10/24/2003	OB-31 GW-102403-MG-025 10/24/2003
Sample Type:													(Duplicate)		
Parameters	IDEM RISC Default Residential a	t Closure Levels Industrial b													
Semivolatile Organic Compounds (m/L)															
1,2,4-Trichlorobenzene	0.07	1	ND (0.01)	ND (0.011)	-	ND (0.011)	ND (0.01)	ND (0.0099)	ND (0.011)	ND (0.01)	ND (0.0098)	ND (0.01)	ND (0.01)	ND (0.0096)	ND (0.011)
1,2-Dichlorobenzene 1,3-Dichlorobenzene	0.6 0.08	9.2 0.31	ND (0.01) ND (0.01)	ND (0.011) UJ ND (0.011)	-	ND (0.011) UJ ND (0.011)	ND (0.01) ND (0.01)	ND (0.0099) ND (0.0099)	ND (0.011) ND (0.011)	ND (0.01) UJ ND (0.01)	ND (0.0098) UJ ND (0.0098)	ND (0.01) UJ ND (0.01)	ND (0.01) UJ ND (0.01)	ND (0.0096) UJ ND (0.0096)	ND (0.011) UJ ND (0.011)
1,4-Dichlorobenzene	0.075	0.12	ND (0.01) ND (0.01)	ND (0.011) ND (0.011)	-	ND (0.011) ND (0.011)	ND (0.01)	ND (0.0099)	ND (0.011)	ND (0.01)	ND (0.0098)	ND (0.01)	ND (0.01)	ND (0.0096)	ND (0.011) ND (0.011)
2,2'-Oxybis(1-chloropropane)	0.070	0.12	112 (0.01)	112 (0.011)		112 (0.011)	112 (0.01)	112 (0.0055)	112 (0.011)	112 (0.01)	112 (0.0050)	112 (0.01)	112 (0.01)	112 (0.0050)	112 (0.011)
(bis(2-Chloroisopropyl) ether)	0.0042	0.041	ND (0.01)	ND (0.011)	ND (0.01)	ND (0.011)	ND (0.01)	ND (0.0099)	ND (0.011)	ND (0.01)	ND (0.0098)	ND (0.01)	ND (0.01)	ND (0.0096)	ND (0.011)
2,4,5-Trichlorophenol	3.6	10	ND (0.01)	ND (0.011)	ND (0.01)	ND (0.011)	ND (0.01)	ND (0.0099)	ND (0.011)	ND (0.01)	ND (0.0098)	ND (0.01)	ND (0.01)	ND (0.0096)	ND (0.011)
2,4,6-Trichlorophenol	0.0036	0.01	ND (0.01)	ND (0.011)	ND (0.01)	ND (0.011)	ND (0.01)	ND (0.0099)	ND (0.011)	ND (0.01)	ND (0.0098)	ND (0.01)	ND (0.01)	ND (0.0096)	ND (0.011)
2,4-Dichlorophenol 2,4-Dimethylphenol	0.11 0.73	0.31	ND (0.01) ND (0.01)	ND (0.011) ND (0.011)	ND (0.01) ND (0.01)	ND (0.011) ND (0.011)	ND (0.01) ND (0.01)	ND (0.0099) ND (0.0099)	ND (0.011) ND (0.011)	ND (0.01) ND (0.01)	ND (0.0098) ND (0.0098)	ND (0.01) ND (0.01)	ND (0.01) ND (0.01)	ND (0.0096) ND (0.0096)	ND (0.011) ND (0.011)
2,4-Dinitrophenol	0.073	0.2	ND (0.01)	ND (0.027)	ND (0.05) UJ	ND (0.011) ND (0.027)	ND (0.025)	ND (0.025)	ND (0.011)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.024)	ND (0.026)
2,4-Dinitrotoluene	*	*	ND (0.01)	ND (0.011)	ND (0.01)	ND (0.011)	ND (0.01)	ND (0.0099)	ND (0.011)	ND (0.01)	ND (0.0098)	ND (0.01)	ND (0.01)	ND (0.0096)	ND (0.011)
2,6-Dinitrotoluene	*	*	ND (0.01)	ND (0.011)	ND (0.01)	ND (0.011)	ND (0.01)	ND (0.0099)	ND (0.011)	ND (0.01)	ND (0.0098)	ND (0.01)	ND (0.01)	ND (0.0096)	ND (0.011)
2-Chloronaphthalene	0.61	8.2	ND (0.01)	ND (0.011)	ND (0.01)	ND (0.011)	ND (0.01)	ND (0.0099)	ND (0.011)	ND (0.01)	ND (0.0098)	ND (0.01)	ND (0.01)	ND (0.0096)	ND (0.011)
2-Chlorophenol	0.038 0.031	0.51	ND (0.01)	ND (0.011)	ND (0.01)	ND (0.011)	ND (0.01)	ND (0.0099)	ND (0.011)	ND (0.01)	ND (0.0098)	ND (0.01)	ND (0.01)	ND (0.0096)	ND (0.011)
2-Methylnaphthalene 2-Methylphenol	1.8	0.41 5.1	ND (0.01) ND (0.01)	ND (0.011) ND (0.011) UJ	ND (0.01) ND (0.01)	ND (0.011) ND (0.011) UJ	ND (0.01) ND (0.01)	ND (0.0099) ND (0.0099)	ND (0.011) ND (0.011)	ND (0.01) ND (0.01) UJ	ND (0.0098) ND (0.0098) UJ	ND (0.01) ND (0.01) UJ	ND (0.01) ND (0.01) UJ	ND (0.0096) ND (0.0096) UJ	ND (0.011) ND (0.011) UJ
2-Nitroaniline	0.11	0.31	ND (0.025)	ND (0.027)	ND (0.05)	ND (0.027)	ND (0.025)	ND (0.025)	ND (0.027)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.024)	ND (0.026)
2-Nitrophenol	*	*	ND (0.01)	ND (0.011)	ND (0.01)	ND (0.011)	ND (0.01)	ND (0.0099)	ND (0.011)	ND (0.01)	ND (0.0098)	ND (0.01)	ND (0.01)	ND (0.0096)	ND (0.011)
3,3'-Dichlorobenzidine	0.0019	0.0064	ND (0.025)	ND (0.027)	ND (0.05) UJ	ND (0.027)	ND (0.025)	ND (0.025)	ND (0.027)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.024)	ND (0.026)
3-Nitroaniline	*	*	ND (0.025)	ND (0.027)	ND (0.05)	ND (0.027)	ND (0.025)	ND (0.025)	ND (0.027)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.024)	ND (0.026)
4,6-Dinitro-2-methylphenol 4-Bromophenyl phenyl ether	*	*	ND (0.025) ND (0.01)	ND (0.027) ND (0.011)	ND (0.05) UJ ND (0.01)	ND (0.027) ND (0.011)	ND (0.025) ND (0.01)	ND (0.025) ND (0.0099)	ND (0.027) ND (0.011)	ND (0.025) ND (0.01)	ND (0.025) ND (0.0098)	ND (0.025) ND (0.01)	ND (0.025) ND (0.01)	ND (0.024) ND (0.0096)	ND (0.026) ND (0.011)
4-Chloro-3-methylphenol	*	*	ND (0.01)	ND (0.011)	ND (0.01)	ND (0.011) ND (0.011)	ND (0.01)	ND (0.0099)	ND (0.011)	ND (0.01)	ND (0.0098)	ND (0.01)	ND (0.01)	ND (0.0096)	ND (0.011)
4-Chloroaniline	0.15	0.41	ND (0.01)	ND (0.011)	ND (0.01)	ND (0.011)	ND (0.01)	ND (0.0099)	ND (0.011)	ND (0.01)	ND (0.0098)	ND (0.01)	ND (0.01)	ND (0.0096)	ND (0.011)
4-Chlorophenyl phenyl ether	*	*	ND (0.01)	ND (0.011)	ND (0.01) UJ	ND (0.011)	ND (0.01)	ND (0.0099)	ND (0.011)	ND (0.01)	ND (0.0098)	ND (0.01)	ND (0.01)	ND (0.0096)	ND (0.011)
4-Methylphenol	0.18	0.51	ND (0.01)	ND (0.011)	ND (0.01)	ND (0.011)	ND (0.01)	ND (0.0099)	ND (0.011) UJ	ND (0.01) UJ	ND (0.0098)	ND (0.01)	ND (0.01)	ND (0.0096) UJ	ND (0.011) UJ
4-Nitroaniline	*	*	ND (0.025) ND (0.025)	ND (0.027) ND (0.027) UJ	ND (0.05) ND (0.05)	ND (0.027)	ND (0.025) ND (0.025)	ND (0.025) ND (0.025)	ND (0.027) ND (0.027)	ND (0.025) ND (0.025)	ND (0.025) ND (0.025) UJ	ND (0.025) ND (0.025) UJ	ND (0.025) ND (0.025) UJ	ND (0.024) ND (0.024)	ND (0.026) ND (0.026)
4-Nitrophenol Acenaphthene	0.46	4.2	ND (0.025) ND (0.01)	ND (0.027) UJ ND (0.011)	ND (0.002)	ND (0.027) UJ ND (0.011)	ND (0.025) ND (0.01)	ND (0.025) ND (0.0099)	ND (0.027) ND (0.011)	ND (0.025) ND (0.01)	ND (0.023) U) ND (0.0098)	ND (0.025) UJ ND (0.01)	ND (0.025) UJ ND (0.01)	ND (0.024) ND (0.0096)	ND (0.026) ND (0.011)
Acenaphthylene	0.071	0.73	ND (0.01)	ND (0.011)	ND (0.0002)	ND (0.011)	ND (0.01)	ND (0.0099)	ND (0.011)	ND (0.01)	ND (0.0098)	ND (0.01)	ND (0.01)	ND (0.0096)	ND (0.011)
Acetophenone	*	*	- 1	- ′	ND (0.01)	- '	= ,	-	-	- '	`- ′	- '	- '	`- ′	-
Aniline	*	*	ND (0.025)	ND (0.027) UJ	-	ND (0.027) UJ	ND (0.025)	ND (0.025)	ND (0.027) UJ	ND (0.025) UJ	ND (0.025) UJ	ND (0.025) UJ	ND (0.025) UJ	ND (0.024) UJ	ND (0.026) UJ
Anthracene	0.043	0.043	ND (0.01)	ND (0.011)	ND (0.0002)	ND (0.011)	ND (0.01)	ND (0.0099)	ND (0.011)	ND (0.01)	ND (0.0098)	ND (0.01)	ND (0.01)	ND (0.0096)	ND (0.011)
Atrazine Benzaldehyde	0.003	0.013	- -	-	ND (0.01) ND (0.01)	- -	-	-	-	- -	-	- -	-	-	-
Benzo(a)anthracene	0.0012	0.0039	ND (0.01)	ND (0.011)	ND (0.0002) UJ	ND (0.011)	ND (0.01)	ND (0.0099)	ND (0.011)	ND (0.01)	ND (0.0098)	ND (0.01)	ND (0.01)	ND (0.0096)	ND (0.011)
Benzo(a)pyrene	0.0002	0.00039	ND (0.01)	ND (0.011)	ND (0.0002)	ND (0.011)	ND (0.01)	ND (0.0099)	ND (0.011)	ND (0.01)	ND (0.0098)	ND (0.01)	ND (0.01)	ND (0.0096)	ND (0.011)
Benzo(b)fluoranthene	0.0012	0.0015	ND (0.01)	ND (0.011)	ND (0.0002) UJ	ND (0.011)	ND (0.01)	ND (0.0099)	ND (0.011)	ND (0.01)	ND (0.0098)	ND (0.01)	ND (0.01)	ND (0.0096)	ND (0.011)
Benzo(g,h,i)perylene	0.00026	0.00026	ND (0.01) UJ	ND (0.011)	ND (0.0002) UJ	ND (0.011)	ND (0.01) UJ	ND (0.0099) UJ	ND (0.011)	ND (0.01)	ND (0.0098)	ND (0.01)	ND (0.01)	ND (0.0096)	ND (0.011)
Benzo(k)fluoranthene Benzoic acid	0.0008 150	0.00080 410	ND (0.01) ND (0.025)	ND (0.011) ND (0.027)	ND (0.0002) UJ	ND (0.011) ND (0.027)	ND (0.01) ND (0.025)	ND (0.0099) ND (0.025)	ND (0.011) ND (0.027)	ND (0.01) ND (0.025)	ND (0.0098) ND (0.025)	ND (0.01) ND (0.025)	ND (0.01) ND (0.025)	ND (0.0096) ND (0.024)	ND (0.011) ND (0.026)
Benzyl alcohol	11	31	ND (0.01)	ND (0.027)	-	ND (0.011)	ND (0.01)	ND (0.0099)	ND (0.011)	ND (0.01)	ND (0.0098)	ND (0.01)	ND (0.01)	ND (0.0096)	ND (0.011)
Biphenyl (1,1-Biphenyl)	*	*	-	-	ND (0.01)	-	-	-	-	-	-	-	-	-	-
bis(2-Chloroethoxy)methane	*	*	ND (0.01)	ND (0.011)	ND (0.01)	ND (0.011)	ND (0.01)	ND (0.0099)	ND (0.011)	ND (0.01)	ND (0.0098)	ND (0.01)	ND (0.01)	ND (0.0096)	ND (0.011)
bis(2-Chloroethyl)ether	0.00015	0.0026	ND (0.01)	ND (0.011)	ND (0.01)	ND (0.011)	ND (0.01)	ND (0.0099)	ND (0.011)	ND (0.01)	ND (0.0098)	ND (0.01)	ND (0.01)	ND (0.0096)	ND (0.011)
bis(2-Ethylhexyl)phthalate (DEHP)	0.006	0.2	ND (0.01)	ND (0.011)	ND (0.01)	ND (0.011)	ND (0.01)	ND (0.0099)	ND (0.011)	ND (0.01)	ND (0.0098)	ND (0.01)	ND (0.01)	ND (0.0096)	ND (0.011)
Butyl benzylphthalate (BBP) Caprolactam	2.7	2.7	ND (0.01)	ND (0.011)	ND (0.01) ND (0.01)	ND (0.011)	ND (0.01)	ND (0.0099)	ND (0.011)	ND (0.01)	ND (0.0098)	ND (0.01)	ND (0.01)	ND (0.0096)	ND (0.011)
Carbazole	0.043	0.14	-	- -	ND (0.01)	-	- -	- -	- -	- -	- -	-	- -	-	- -
Chrysene	0.0016	0.0016	ND (0.01)	ND (0.011)	ND (0.0002) UJ	ND (0.011)	ND (0.01)	ND (0.0099)	ND (0.011)	ND (0.01)	ND (0.0098)	ND (0.01)	ND (0.01)	ND (0.0096)	ND (0.011)
Dibenz(a,h)anthracene	0.00012	0.00039	ND (0.01)	ND (0.011)	ND (0.0002)	ND (0.011)	ND (0.01)	ND (0.0099)	ND (0.011)	ND (0.01)	ND (0.0098)	ND (0.01)	ND (0.01)	ND (0.0096)	ND(0.011)
Dibenzofuran	0.015	0.2	ND (0.01)	ND (0.011)	ND (0.01)	ND (0.011)	ND (0.01)	ND (0.0099)	ND (0.011)	ND (0.01)	ND (0.0098)	ND (0.01)	ND (0.01)	ND (0.0096)	ND (0.011)
Diethyl phthalate Dimethyl phthalate	29 360	82 1000	ND (0.01) ND (0.01)	ND (0.011) UJ ND (0.011)	ND (0.01) ND (0.01)	ND (0.011) UJ ND (0.011)	ND (0.01) ND (0.01)	ND (0.0099) ND (0.0099)	ND (0.011) ND (0.011)	ND (0.01) UJ ND (0.01)	ND (0.0098) UJ ND (0.0098)	ND (0.01) UJ ND (0.01)	ND (0.01) UJ ND (0.01)	ND (0.0096) UJ ND (0.0096)	ND (0.011) UJ ND (0.011)
Di-n-butylphthalate (DBP)	3.6	10	ND (0.01)	ND (0.011) UJ	ND (0.01)	ND (0.011) UJ	ND (0.01)	ND (0.0099)	ND (0.011)	ND (0.01) UJ	ND (0.0098) UJ	ND (0.01) UJ	ND (0.01) UJ	ND (0.0096) UJ	ND (0.011) UJ
Di-n-octyl phthalate (DnOP)	0.02	0.020	ND (0.01)	ND (0.011)	ND (0.01)	ND (0.011)	ND (0.01)	ND (0.0099)	ND (0.011)	ND (0.01)	ND (0.0098)	ND (0.01)	ND (0.01)	ND (0.0096)	ND (0.011)
Fluoranthene	0.21	0.21	ND (0.01)	ND (0.011)	ND (0.0002) UJ	ND (0.011)	ND (0.01)	ND (0.0099)	ND (0.011)	ND (0.01)	ND (0.0098)	ND (0.01)	ND (0.01)	ND (0.0096)	ND (0.011)
Fluorene	0.31	2	ND (0.01)	ND (0.011)	ND (0.0002)	ND (0.011)	ND (0.01)	ND (0.0099)	ND (0.011)	ND (0.01)	ND (0.0098)	ND (0.01)	ND (0.01)	ND (0.0096)	ND (0.011)
Hexachlorobenzene Hexachlorobutadiene	0.001 0.011	0.0018 0.031	ND (0.01) ND (0.01)	ND (0.011) ND (0.011)	ND (0.01) ND (0.01)	ND (0.011) ND (0.011)	ND (0.01) ND (0.01)	ND (0.0099) ND (0.0099)	ND (0.011) ND (0.011)	ND (0.01) ND (0.01)	ND (0.0098) ND (0.0098)	ND (0.01) ND (0.01)	ND (0.01) ND (0.01)	ND (0.0096) ND (0.0096)	ND (0.011) ND (0.011)
Hexachlorocyclopentadiene	0.05	0.61	ND (0.01) UJ	ND (0.011)	ND (0.05) UJ	ND (0.011)	ND (0.01) UJ	ND (0.0099) UJ	ND (0.011) UJ	ND (0.01)	ND (0.0098)	ND (0.01)	ND (0.01)	ND (0.0096)	ND (0.011)
Hexachloroethane	0.036	0.1	ND (0.01)	ND (0.011) UJ	ND (0.01)	ND (0.011) UJ	ND (0.01)	ND (0.0099)	ND (0.011) UJ	ND (0.01) UJ	ND (0.0098) UJ	ND (0.01) UJ	ND (0.01) UJ	ND (0.0096) UJ	ND (0.011) UJ
Indeno(1,2,3-cd)pyrene	0.000022	0.000022	ND (0.01)	ND (0.011)	ND (0.0002) UJ	ND (0.011)	ND (0.01)	ND (0.0099)	ND (0.011)	ND (0.01)	ND (0.0098)	ND (0.01)	ND (0.01)	ND (0.0096)	ND (0.011)
Isophorone	0.9	3	ND (0.01)	ND (0.011)	ND (0.01)	ND (0.011)	ND (0.01)	ND (0.0099)	ND (0.011)	ND (0.01)	ND (0.0098)	ND (0.01)	ND (0.01)	ND (0.0096)	ND (0.011)
Naphthalene Nitrobenzene	0.0083 0.0043	2 0.051	ND (0.01) ND (0.01)	ND (0.011) UJ ND (0.011)	ND (0.0002) ND (0.01)	ND (0.011) UJ ND (0.011)	ND (0.01) ND (0.01)	ND (0.0099) ND (0.0099)	ND (0.011) ND (0.011)	ND (0.01) UJ ND (0.01)	ND (0.0098) UJ ND (0.0098)	ND (0.01) UJ ND (0.01)	ND (0.01) UJ ND (0.01)	ND (0.0096) UJ ND (0.0096)	ND (0.011) UJ ND (0.011)
N-Nitrosodimethylamine	*	*	ND (0.01) ND (0.025)	ND (0.011) ND (0.027)	ND (0.01)	ND (0.011) ND (0.027)	ND (0.01) ND (0.025)	ND (0.0099) ND (0.025)	ND (0.011) ND (0.027)	ND (0.01) ND (0.025)	ND (0.0098) ND (0.025)	ND (0.01) ND (0.025)	ND (0.01) ND (0.025)	ND (0.0096) ND (0.024)	ND (0.011) ND (0.026)
N-Nitrosodi-n-propylamine	0.00012	0.00041	ND (0.01)	ND (0.011)	ND (0.01)	ND (0.011)	ND (0.01)	ND (0.0099)	ND (0.011)	ND (0.01)	ND (0.0098)	ND (0.01)	ND (0.01)	ND (0.0096)	ND (0.011)
N-Nitrosodiphenylamine	0.17	0.58	ND (0.01)	ND (0.011)	ND (0.01)	ND (0.011)	ND (0.01)	ND (0.0099)	ND (0.011)	ND (0.01)	ND (0.0098)	ND (0.01)	ND (0.01)	ND (0.0096)	ND (0.011)
Pentachlorophenol	0.001	0.024	ND (0.025)	ND (0.027)	ND (0.01) UJ	ND (0.027)	ND (0.025)	ND (0.025)	ND (0.027)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.024)	ND (0.026)
Phenanthrene Phenol	0.023 11	0.31 31	ND (0.01) ND (0.01)	ND (0.011) ND (0.011)	ND (0.0002) UJ ND (0.01)	ND (0.011) ND (0.011)	ND (0.01) ND (0.01)	ND (0.0099) ND (0.0099)	ND (0.011) ND (0.011)	ND (0.01) ND (0.01)	ND (0.0098) ND (0.0098)	ND (0.01) ND (0.01)	ND (0.01) ND (0.01)	ND (0.0096) ND (0.0096) U	ND (0.011) ND (0.011) U
Pyrene	0.14	0.14	ND (0.01)	ND (0.011)	ND (0.002) UJ	ND (0.011)	ND (0.01)	ND (0.0099)	ND (0.011)	ND (0.01)	ND (0.0098)	ND (0.01)	ND (0.01)	ND (0.0096)	ND (0.011) C

TABLE 5.4
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Sample Location: Sample ID: Sample Date:			OB-22 GW-102203-MG-006 10/22/2003	OB-23 GW-102303-MG-018 10/23/2003	OB-24 GW-082603-BT-005 8/26/2003	OB-24 GW-102303-MG-017 10/23/2003	OB-25 GW-102203-MG-005 10/22/2003	OB-26 GW-102103-MG-003 10/21/2003	OB-26 GW-110703-MG-061 11/7/2003	OB-27 GW-102403-MG-022 10/24/2003	OB-28 GW-102303-MG-021 10/23/2003	OB-29 GW-102303-MG-019 10/23/2003	OB-29 GW-102303-MG-020 10/23/2003	OB-30 GW-102403-MG-023 10/24/2003	OB-31 GW-102403-MG-025 10/24/2003
Sample Type:													(Duplicate)		
_	IDEM RISC Defa														
Parameters	Residential	Industrial													
	а	ь													
Semivolatile Organic Compounds~Bl															
2-Methylnaphthalene	0.031	0.41	ND (0.00002)	ND (0.000021) U	-	ND (0.000023) U	ND (0.000021) U	-	0.0000048 J	ND (0.00002)	ND (0.00002) U	ND (0.00002)	ND (0.00002) U	ND (0.00002) U	ND (0.000022)
Acenaphthene	0.46	4.2	ND (0.00002)	ND (0.000021)	-	ND (0.000023)	ND (0.000021)	-	ND (0.000023)	ND (0.00002)	ND (0.00002)	ND (0.00002)	0.0000024 J	ND (0.00002)	ND (0.000022)
Acenaphthylene	0.071	0.73	ND (0.00002)	ND (0.000021)	-	ND (0.000023)	ND (0.000021) U	-	ND (0.000023)	ND (0.00002)	ND (0.00002)	ND (0.00002)	ND (0.00002) U	ND (0.00002)	ND (0.000022)
Anthracene	0.043	0.043	ND (0.00002)	0.0000081 J	-	0.0000051 J	0.0000052 J	-	ND (0.000023)	0.0000012 J	0.0000059 J	ND (0.00002)	0.0000025 J	0.0000025 J	ND (0.000022)
Benzo(a)anthracene	0.0012	0.0039	ND (0.00002)	ND (0.000021) U	-	ND (0.000023)	ND (0.000021) U	-	ND (0.000023)	ND (0.00002)	ND (0.00002) U	ND (0.00002)	ND (0.00002) U	0.0000022 J	ND (0.000022)
Benzo(a)pyrene	0.0002	0.00039	ND (0.00002)	ND (0.000021) U	-	ND (0.000023) U	ND (0.000021) U	-	ND (0.000023)	0.0000024 J	ND (0.00002) U	ND (0.00002)	ND (0.00002) U	0.0000022 J	ND (0.000022)
Benzo(b)fluoranthene	0.0012	0.0015	ND (0.00002)	ND (0.000021) U	-	ND (0.000023) U	ND (0.000021) U	-	ND (0.000023)	ND (0.00002) U	ND (0.000022) U				
Benzo(g,h,i)perylene	0.00026	0.00026	ND (0.00002)	ND (0.000021) U	-	ND (0.000023)	ND (0.000021) U	-	ND (0.000023)	ND (0.00002)	ND (0.00002) U	ND (0.00002)	ND (0.00002)	ND (0.00002)	ND (0.000022)
Benzo(k)fluoranthene	0.0008	0.00080	ND (0.00002)	ND (0.000021) U	-	ND (0.000023) U	ND (0.000021) U	-	ND (0.000023)	0.0000017 J	ND (0.00002) U	ND (0.00002)	ND (0.00002) U	0.0000024 J	ND (0.000022)
Chrysene	0.0016	0.0016	ND (0.00002)	ND (0.000021) U	_	ND (0.000023) U	ND (0.000021) U	-	ND (0.000023) U	0.000002 J	ND (0.00002) U	ND (0.00002)	ND (0.00002) U	0.0000023 J	ND (0.000022)
Dibenz(a,h)anthracene	0.00012	0.00039	ND (0.00002)	ND (0.000021) U	-	ND (0.000023)	ND (0.000021) U	-	ND (0.000023)	0.0000028 J	ND (0.00002) U	ND (0.00002)	ND (0.00002)	ND (0.00002)	ND (0.000022)
Dibenzofuran	0.015	0.2	ND (0.00002)	ND (0.000021)	-	ND (0.000023)	ND (0.000021)	-	ND (0.000023)	ND (0.00002)	ND (0.000022)				
Fluoranthene	0.21	0.21	ND (0.00002)	ND (0.000021) U	-	ND (0.000023) U	ND (0.000021) U	-	ND (0.000023) U	0.0000035 J	ND (0.00002) U	ND (0.00002) U	ND (0.00002) U	0.0000043 J	ND (0.000022)
Fluorene	0.31	2	ND (0.00002)	0.0000054 J	-	ND (0.000023)	ND (0.000021)	-	ND (0.000023)	ND (0.00002)	0.0000034 J	ND (0.00002)	0.0000028 J	ND (0.00002)	ND (0.000022)
Indeno(1,2,3-cd)pyrene	0.000022	0.000022	ND (0.00002)	ND (0.000021) U	-	ND (0.000023)	ND (0.000021) U	-	ND (0.000023)	0.0000023 J	ND (0.00002) U	ND (0.00002)	ND (0.00002)	0.0000024 J	ND (0.000022)
Naphthalene	0.0083	2	ND (0.00002) U	ND (0.000021) U	-	ND (0.000023) U	ND (0.000021) U	-	ND (0.000023) U	ND (0.00002) U	ND (0.00002) U	ND (0.00002) U	ND (0.00002) U	ND (0.00002) U	ND (0.000022) U
Phenanthrene	0.023	0.31	ND (0.00002)	ND (0.000021) U	-	ND (0.000023)	ND (0.000021) U	-	ND (0.000023)	ND (0.00002)	ND (0.00002) U	ND (0.00002)	ND (0.00002)	0.0000035 J	ND (0.000022)
Pyrene	0.14	0.14	ND (0.00002)	ND (0.000021) II	_	ND (0.000023)	0.00007	_	0.000012.1	0.0000049 T	ND (0.00002) II	ND (0.00002)	ND (0 00002) II	0.0000035 I	0.000011.1

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Sample Location: Sample ID: Sample Date: Sample Type:			OB-32 GW-102403-MG-024 10/24/2003	PZ-01 GW-082603-BT-001 8/26/2003	PZ-01 GW-082603-BT-002 8/26/2003 (Duplicate)	PZ-01 GW-102203-MG-009 10/22/2003	PZ-02 GW-082603-BT-003 8/26/2003	PZ-02 GW-102203-MG-010 10/22/2003	PZ-03 GW-082603-BT-004 8/26/2003	PZ-03 GW-102203-MG-011 10/22/2003	PZ-04 GW-102603-MG-041 10/26/2003	PZ-04 GW-102603-MG-042 10/26/2003 (Duplicate)	PZ-05 GW-102203-MG-004 10/22/2003	PZ-05 GW-120704-MG-032 12/7/2004	PZ-06 GW-102803-MG-053 10/28/2003
Parameters	IDEM RISC Default Residential a	Closure Levels Industrial b			(Dipiene)							(Dupitente)			
Semivolatile Organic Compounds (m/L)															
1,2,4-Trichlorobenzene	0.07	1	ND (0.01)	=	=	ND (0.0098)	-	ND (0.01)	-	ND (0.01)	ND (0.011)	ND (0.011)	ND (0.0098)	ND (0.011)	ND (0.011)
1,2-Dichlorobenzene 1,3-Dichlorobenzene	0.6 0.08	9.2 0.31	ND (0.01) UJ ND (0.01)	=	=	ND (0.0098) UJ ND (0.0098)	-	ND (0.01) UJ ND (0.01)	=	ND (0.01) UJ ND (0.01)	ND (0.011) UJ ND (0.011)	ND (0.011) UJ ND (0.011)	ND (0.0098) ND (0.0098)	ND (0.011) ND (0.011)	ND (0.011) UJ ND (0.011)
1,4-Dichlorobenzene	0.075	0.12	ND (0.01)	- -	-	ND (0.0098)	-	ND (0.01)	-	ND (0.01)	ND (0.011) ND (0.011)	ND (0.011) ND (0.011)	ND (0.0098)	ND (0.011) ND (0.011)	ND (0.011) ND (0.011)
2,2'-Oxybis(1-chloropropane)	0.075	0.12	14D (0.01)			142 (0.0050)		14D (0.01)		1415 (0.01)	(0.011)	145 (0.011)	1412 (0.0050)	145 (0.011)	14D (0.011)
(bis(2-Chloroisopropyl) ether)	0.0042	0.041	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.0098)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.011)	ND (0.011)	ND (0.0098)	ND (0.011)	ND (0.011)
2,4,5-Trichlorophenol	3.6	10	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.0098)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.011)	ND (0.011)	ND (0.0098)	ND (0.011)	ND (0.011)
2,4,6-Trichlorophenol	0.0036	0.01	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.0098)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.011)	ND (0.011)	ND (0.0098)	ND (0.011)	ND (0.011)
2,4-Dichlorophenol	0.11 0.73	0.31 2	ND (0.01) ND (0.01)	ND (0.01) ND (0.01)	ND (0.01) ND (0.01)	ND (0.0098) ND (0.0098)	ND (0.01) ND (0.01)	ND (0.01) ND (0.01)	ND (0.01) ND (0.01)	ND (0.01) ND (0.01)	ND (0.011) ND (0.011)	ND (0.011) ND (0.011)	ND (0.0098) ND (0.0098)	ND (0.011) ND (0.011)	ND (0.011) ND (0.011)
2,4-Dimethylphenol 2,4-Dinitrophenol	0.073	0.2	ND (0.01) ND (0.025)	ND (0.01)	ND (0.05) UJ	ND (0.025)	ND (0.05) UJ	ND (0.025)	ND (0.05) UJ	ND (0.01) ND (0.025)	ND (0.011) ND (0.028)	ND (0.011) ND (0.027)	ND (0.0058)	ND (0.011) ND (0.027)	ND (0.011) ND (0.026)
2,4-Dinitrotoluene	*	*	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.0098)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.011)	ND (0.011)	ND (0.0098)	ND (0.011)	ND (0.011)
2,6-Dinitrotoluene	*	*	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.0098)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.011)	ND (0.011)	ND (0.0098)	ND (0.011)	ND (0.011)
2-Chloronaphthalene	0.61	8.2	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.0098)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.011)	ND (0.011)	ND (0.0098)	ND (0.011)	ND (0.011)
2-Chlorophenol	0.038	0.51	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.0098)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.011)	ND (0.011)	ND (0.0098)	ND (0.011)	ND (0.011)
2-Methylnaphthalene 2-Methylphenol	0.031 1.8	0.41 5.1	ND (0.01) ND (0.01) UJ	ND (0.01) ND (0.01)	ND (0.01) ND (0.01)	ND (0.0098) ND (0.0098) UJ	ND (0.01) ND (0.01)	ND (0.01) ND (0.01) UJ	ND (0.01) ND (0.01)	ND (0.01) ND (0.01) UJ	ND (0.011) ND (0.011) UJ	ND (0.011) ND (0.011) UJ	ND (0.0098) ND (0.0098)	ND (0.011) ND (0.011)	ND (0.011) ND (0.011) UJ
2-Nitroaniline	0.11	0.31	ND (0.025)	ND (0.05)	ND (0.05)	ND (0.025)	ND (0.05)	ND (0.025)	ND (0.05)	ND (0.025)	ND (0.028)	ND (0.027)	ND (0.025)	ND (0.027)	ND (0.026)
2-Nitrophenol	*	*	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.0098)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.011)	ND (0.011)	ND (0.0098)	ND (0.011)	ND (0.011)
3,3'-Dichlorobenzidine	0.0019	0.0064	ND (0.025)	ND (0.05) UJ	ND (0.05) UJ	ND (0.025)	ND (0.05) UJ	ND (0.025)	ND (0.05) UJ	ND (0.025)	ND (0.028)	ND (0.027)	ND (0.025)	ND (0.027)	ND (0.026)
3-Nitroaniline	*	*	ND (0.025)	ND (0.05)	ND (0.05)	ND (0.025)	ND (0.05)	ND (0.025)	ND (0.05)	ND (0.025)	ND (0.028)	ND (0.027)	ND (0.025)	ND (0.027)	ND (0.026)
4,6-Dinitro-2-methylphenol 4-Bromophenyl phenyl ether	*	*	ND (0.025) ND (0.01)	ND (0.05) UJ ND (0.01)	ND (0.05) UJ ND (0.01)	ND (0.025) ND (0.0098)	ND (0.05) UJ ND (0.01)	ND (0.025) ND (0.01)	ND (0.05) UJ ND (0.01)	ND (0.025) ND (0.01)	ND (0.028) ND (0.011)	ND (0.027) ND (0.011)	ND (0.025) ND (0.0098)	ND (0.027) ND (0.011)	ND (0.026) ND (0.011)
4-Chloro-3-methylphenol	*	*	ND (0.01)	ND (0.01)	ND (0.01) ND (0.01)	ND (0.0098)	ND (0.01)	ND (0.01) ND (0.01)	ND (0.01)	ND (0.01)	ND (0.011) ND (0.011)	ND (0.011) ND (0.011)	ND (0.0098)	ND (0.011) ND (0.011)	ND (0.011) ND (0.011)
4-Chloroaniline	0.15	0.41	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.0098)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.011)	ND (0.011)	ND (0.0098)	ND (0.011)	ND (0.011)
4-Chlorophenyl phenyl ether	*	*	ND (0.01)	ND (0.01) UJ	ND (0.01) UJ	ND (0.0098)	ND (0.01) UJ	ND (0.01)	ND (0.01) UJ	ND (0.01)	ND (0.011)	ND (0.011)	ND (0.0098)	ND (0.011)	ND (0.011)
4-Methylphenol	0.18	0.51	ND (0.01) UJ	ND (0.01)	ND (0.01)	ND (0.0098) UJ	ND (0.01)	ND (0.01) UJ	ND (0.01)	ND (0.01) UJ	ND (0.011) UJ	ND (0.011) UJ	ND (0.0098)	ND (0.011)	ND (0.011) UJ
4-Nitroaniline	*	*	ND (0.025)	ND (0.05)	ND (0.05)	ND (0.025)	ND (0.05)	ND (0.025)	ND (0.05)	ND (0.025)	ND (0.028)	ND (0.027)	ND (0.025)	ND (0.027)	ND (0.026)
4-Nitrophenol Acenaphthene	0.46	4.2	ND (0.025) ND (0.01)	ND (0.05) ND (0.0002)	ND (0.05) ND (0.0002)	ND (0.025) ND (0.0098)	ND (0.05) ND (0.0002)	ND (0.025) ND (0.01)	ND (0.05) ND (0.0002)	ND (0.025) ND (0.01)	ND (0.028) ND (0.011)	ND (0.027) ND (0.011)	ND (0.025) ND (0.0098)	ND (0.027) ND (0.011)	ND (0.026) ND (0.011)
Acenaphthylene	0.071	0.73	ND (0.01)	ND (0.0002)	ND (0.0002)	ND (0.0098)	ND (0.0002)	ND (0.01)	ND (0.0002)	ND (0.01)	ND (0.011)	ND (0.011)	ND (0.0098)	ND (0.011)	ND (0.011)
Acetophenone	*	*	-	ND (0.01)	ND (0.01)	-	ND (0.01)	-	ND (0.01)	-	-	-	-	-	-
Aniline	*	*	ND (0.025) UJ	-	-	ND (0.025) UJ	-	ND (0.025) UJ	-	ND (0.025) UJ	ND (0.028) UJ	ND (0.027) UJ	ND (0.025)	ND (0.027)	ND (0.026) UJ
Anthracene	0.043	0.043	ND (0.01)	ND (0.0002)	ND (0.0002)	ND (0.0098)	ND (0.0002)	ND (0.01)	ND (0.0002)	ND (0.01)	ND (0.011)	ND (0.011)	ND (0.0098)	ND (0.011)	ND (0.011)
Atrazine Benzaldehyde	0.003	0.013	- -	ND (0.01) ND (0.01)	ND (0.01) ND (0.01)	-	ND (0.01) ND (0.01)	-	ND (0.01) ND (0.01)	- -	-	-	-	-	-
Benzo(a)anthracene	0.0012	0.0039	ND (0.01)	ND (0.002) UJ	ND (0.002) UJ	ND (0.0098)	ND (0.002) UJ	ND (0.01)	ND (0.002) UJ	ND (0.01)	ND (0.011)	ND (0.011)	ND (0.0098)	ND (0.011)	ND (0.011)
Benzo(a)pyrene	0.0002	0.00039	ND (0.01)	ND (0.0002)	ND (0.0002)	ND (0.0098)	ND (0.0002)	ND (0.01)	ND (0.0002)	ND (0.01)	ND (0.011)	ND (0.011)	ND (0.0098)	ND (0.011)	ND (0.011)
Benzo(b)fluoranthene	0.0012	0.0015	ND (0.01)	ND (0.0002) UJ	ND (0.0002) UJ	ND (0.0098)	ND (0.0002) UJ	ND (0.01)	ND (0.0002) UJ	ND (0.01)	ND (0.011)	ND (0.011)	ND (0.0098)	ND (0.011)	ND (0.011)
Benzo(g,h,i)perylene	0.00026	0.00026	ND (0.01)	ND (0.0002) UJ	ND (0.0002) UJ	ND (0.0098)	ND (0.0002) UJ	ND (0.01)	ND (0.0002) UJ	ND (0.01)	ND (0.011)	ND (0.011)	ND (0.0098) UJ	ND (0.011)	ND (0.011)
Benzo(k)fluoranthene Benzoic acid	0.0008 150	0.00080 410	ND (0.01) ND (0.025)	ND (0.0002) UJ	ND (0.0002) UJ	ND (0.0098) ND (0.025)	ND (0.0002) UJ	ND (0.01) ND (0.025)	ND (0.0002) UJ	ND (0.01) ND (0.025)	ND (0.011) ND (0.028)	ND (0.011) ND (0.027)	ND (0.0098) ND (0.025)	ND (0.011) ND (0.027)	ND (0.011) ND (0.026)
Benzyl alcohol	11	31	ND (0.025) ND (0.01)	-	- -	ND (0.025) ND (0.0098)	- -	ND (0.025) ND (0.01)	- -	ND (0.023) ND (0.01)	ND (0.028) ND (0.011)	ND (0.027) ND (0.011)	ND (0.025) ND (0.0098)	ND (0.027) ND (0.011)	ND (0.026) ND (0.011)
Biphenyl (1,1-Biphenyl)	*	*	-	ND (0.01)	ND (0.01)	-	ND (0.01)	- (ND (0.01)	- (-	-	-	-	-
bis(2-Chloroethoxy)methane	*	*	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.0098)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.011)	ND (0.011)	ND (0.0098)	ND (0.011)	ND (0.011)
bis(2-Chloroethyl)ether	0.00015	0.0026	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.0098)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.011)	ND (0.011)	ND (0.0098)	ND (0.011)	ND (0.011)
bis(2-Ethylhexyl)phthalate (DEHP)	0.006	0.2	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.0098)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.011)	ND (0.011)	ND (0.0098)	ND (0.011)	ND (0.011) UJ
Butyl benzylphthalate (BBP) Caprolactam	2.7	2.7	ND (0.01)	ND (0.01) ND (0.01)	ND (0.01) ND (0.01)	ND (0.0098)	ND (0.01) ND (0.01)	ND (0.01)	ND (0.01) ND (0.01)	ND (0.01)	ND (0.011)	ND (0.011)	ND (0.0098)	ND (0.011)	ND (0.011) UJ
Carbazole	0.043	0.14	- -	ND (0.01)	ND (0.01)	-	ND (0.01) ND (0.01)	- -	ND (0.01)	- -	-	-	-	-	- -
Chrysene	0.0016	0.0016	ND (0.01)	ND (0.0002) UJ	ND (0.0002) UJ	ND (0.0098)	ND (0.0002) UJ	ND (0.01)	ND (0.0002) UJ	ND (0.01)	ND (0.011)	ND (0.011)	ND (0.0098)	ND (0.011)	ND (0.011)
Dibenz(a,h)anthracene	0.00012	0.00039	ND (0.01)	ND (0.0002)	ND (0.0002)	ND (0.0098)	ND (0.0002)	ND (0.01)	ND (0.0002)	ND (0.01)	ND (0.011)	ND (0.011)	ND (0.0098)	ND (0.011)	ND (0.011)
Dibenzofuran	0.015	0.2	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.0098)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.011)	ND (0.011)	ND (0.0098)	ND (0.011)	ND (0.011)
Diethyl phthalate	29 360	82 1000	ND (0.01) UJ ND (0.01)	ND (0.01) ND (0.01)	ND (0.01) ND (0.01)	ND (0.0098) UJ ND (0.0098)	ND (0.01) ND (0.01)	ND (0.01) UJ ND (0.01)	ND (0.01)	ND (0.01) UJ ND (0.01)	ND (0.011) ND (0.011)	ND (0.011) ND (0.011)	ND (0.0098) ND (0.0098)	ND (0.011)	ND (0.011) UJ
Dimethyl phthalate Di-n-butylphthalate (DBP)	3.6	10	ND (0.01) ND (0.01) UJ	ND (0.01) ND (0.01)	ND (0.01)	ND (0.0098) UJ	ND (0.01) ND (0.01)	ND (0.01) ND (0.01) UJ	ND (0.01) ND (0.01)	ND (0.01) ND (0.01) UJ	ND (0.011)	ND (0.011)	ND (0.0098)	ND (0.011) ND (0.011)	ND (0.011) ND (0.011) UJ
Di-n-octyl phthalate (DnOP)	0.02	0.020	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.0098)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.011)	ND (0.011)	ND (0.0098)	ND (0.011)	ND (0.011)
Fluoranthene	0.21	0.21	ND (0.01)	ND (0.0002) UJ	ND (0.0002) UJ	ND (0.0098)	ND (0.0002) UJ	ND (0.01)	ND (0.0002) UJ	ND (0.01)	ND (0.011)	ND (0.011)	ND (0.0098)	ND (0.011)	ND (0.011)
Fluorene	0.31	2	ND (0.01)	ND (0.0002)	ND (0.0002)	ND (0.0098)	ND (0.0002)	ND (0.01)	ND (0.0002)	ND (0.01)	ND (0.011)	ND (0.011)	ND (0.0098)	ND (0.011)	ND (0.011)
Hexachlorobenzene	0.001	0.0018	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.0098)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.011)	ND (0.011)	ND (0.0098)	ND (0.011)	ND (0.011)
Hexachlorobutadiene Hexachlorocyclopentadiene	0.011 0.05	0.031 0.61	ND (0.01) ND (0.01)	ND (0.01) ND (0.05) UJ	ND (0.01) ND (0.05) UJ	ND (0.0098) ND (0.0098)	ND (0.01) ND (0.05) UJ	ND (0.01) ND (0.01)	ND (0.01) ND (0.05) UJ	ND (0.01) ND (0.01)	ND (0.011) ND (0.011)	ND (0.011) ND (0.011)	ND (0.0098) ND (0.0098) UJ	ND (0.011) ND (0.011)	ND (0.011) ND (0.011)
Hexachloroethane	0.036	0.1	ND (0.01) ND (0.01) UJ	ND (0.03) C)	ND (0.03) (0)	ND (0.0098) UJ	ND (0.03) C)	ND (0.01) ND (0.01) UJ	ND (0.03) C)	ND (0.01) UJ	ND (0.011) ND (0.011) UJ	ND (0.011) ND (0.011) UJ	ND (0.0098)	ND (0.011)	ND (0.011) ND (0.011) UJ
Indeno(1,2,3-cd)pyrene	0.000022	0.000022	ND (0.01)	ND (0.0002)	ND (0.0002)	ND (0.0098)	ND (0.0002)	ND (0.01)	ND (0.0002) UJ	ND (0.01)	ND (0.011)	ND (0.011)	ND (0.0098)	ND (0.011)	ND (0.011)
Isophorone	0.9	3	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.0098)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.011)	ND (0.011)	ND (0.0098)	ND (0.011)	ND (0.011)
Naphthalene	0.0083	2	ND (0.01) UJ	ND (0.0002)	ND (0.0002)	ND (0.0098) UJ	ND (0.0002)	ND (0.01) UJ	ND (0.0002)	ND (0.01) UJ	ND (0.011) UJ	ND (0.011) UJ	ND (0.0098)	ND (0.011)	ND (0.011) UJ
Nitrobenzene N-Nitrosodimethylamine	0.0043	0.051	ND (0.01) ND (0.025)	ND (0.01)	ND (0.01)	ND (0.0098) ND (0.025)	ND (0.01)	ND (0.01) ND (0.025)	ND (0.01)	ND (0.01) ND (0.025)	ND (0.011) ND (0.028)	ND (0.011) ND (0.027)	ND (0.0098) ND (0.025)	ND (0.011) ND (0.027)	ND (0.011) ND (0.026)
N-Nitrosodi-n-propylamine	0.00012	0.00041	ND (0.023) ND (0.01)	ND (0.01)	ND (0.01)	ND (0.023)	ND (0.01)	ND (0.023) ND (0.01)	ND (0.01)	ND (0.01)	ND (0.028) ND (0.011)	ND (0.027) ND (0.011)	ND (0.0098)	ND (0.027) ND (0.011)	ND (0.020) ND (0.011)
N-Nitrosodiphenylamine	0.17	0.58	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.0098)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.011)	ND (0.011)	ND (0.0098)	ND (0.011)	ND (0.011)
Pentachlorophenol	0.001	0.024	ND (0.025)	ND (0.01) UJ	ND (0.01) UJ	ND (0.025)	ND (0.01) UJ	ND (0.025)	ND (0.01) UJ	ND (0.025)	ND (0.028)	ND (0.027)	ND (0.025)	ND (0.027)	ND (0.026)
Phenanthrene	0.023	0.31	ND (0.01)	ND (0.0002) UJ	ND (0.0002) UJ	ND (0.0098)	ND (0.0002) UJ	ND (0.01)	ND (0.0002) UJ	ND (0.01)	ND (0.011)	ND (0.011)	ND (0.0098)	ND (0.011)	ND (0.011)
Phenol Pyrene	11 0.14	31 0.14	0.0075 J ND (0.01)	ND (0.01) ND (0.0002) UJ	ND (0.01) ND (0.0002) UJ	ND (0.0098) ND (0.0098)	ND (0.01) ND (0.0002) UJ	ND (0.01) ND (0.01)	ND (0.01) ND (0.0002) UJ	ND (0.01) ND (0.01)	ND (0.011) ND (0.011)	ND (0.011) ND (0.011)	ND (0.0098) ND (0.0098)	ND (0.011) ND (0.011)	ND (0.011) ND (0.011)
- ,1-4110	V.24	V.1.1	1.2 (0.01)	112 (0.0002) 0)	112 (0.0002) 0)	1.12 (0.0000)	1.12 (0.0002) 0)	(0.01)	(0.0002) 0)	1.2 (0.01)	(0.011)	(0.011)	112 (0.0070)	(0.011)	(0.011)

TABLE 5.4 Page 8 of 8

SUMMARY OF PHASE IIB RFI GROUNDWATER SVOC ANALYTICAL DATA - OVERBURDEN WELLS RADIO MATERIALS CORPORATION

Sample Location: Sample ID: Sample Date: Sample Type:			OB-32 GW-102403-MG-024 10/24/2003	PZ-01 GW-082603-BT-001 8/26/2003	PZ-01 GW-082603-BT-002 8/26/2003 (Duplicate)	PZ-01 GW-102203-MG-009 10/22/2003	PZ-02 GW-082603-BT-003 8/26/2003	PZ-02 GW-102203-MG-010 10/22/2003	PZ-03 GW-082603-BT-004 8/26/2003	PZ-03 GW-102203-MG-011 10/22/2003	PZ-04 GW-102603-MG-041 10/26/2003	PZ-04 GW-102603-MG-042 10/26/2003 (Duplicate)	PZ-05 GW-102203-MG-004 10/22/2003	PZ-05 GW-120704-MG-032 12/7/2004	PZ-06 GW-102803-MG-053 10/28/2003
	IDEM RISC Defai														
Parameters	Residential	Industrial													
	а	ь													
Semivolatile Organic Compounds~BN															
2-Methylnaphthalene	0.031	0.41	ND (0.00002) U	-	-	ND (0.00002) U	-	ND (0.00002)	-	ND (0.00002)	ND (0.00002) U	ND (0.00002) U	ND (0.00002) U	-	ND (0.00002) U
Acenaphthene	0.46	4.2	0.0000025 J	-	-	ND (0.00002)	-	ND (0.00002)	-	ND (0.00002)	0.0000029 J	0.0000024 J	0.0000051 J	-	ND (0.00002)
Acenaphthylene	0.071	0.73	0.0000023 J	-	-	ND (0.00002)	-	ND (0.00002)	-	ND (0.00002)	0.000016 J	0.000017 J	0.000063	-	ND (0.00002)
Anthracene	0.043	0.043	0.0000034 J	-	-	0.0000018 J	-	ND (0.00002)	-	ND (0.00002)	0.000011 J	0.000013 J	0.000031	-	ND (0.00002) U
Benzo(a)anthracene	0.0012	0.0039	0.0000032 J	-	-	ND (0.00002)	-	ND (0.00002)	-	ND (0.00002)	0.000024	0.000027	0.000064	-	0.000012 J
Benzo(a)pyrene	0.0002	0.00039	0.0000028 J	-	-	ND (0.00002) U	-	ND (0.00002)	-	ND (0.00002)	0.000023	0.000025	0.000066	-	0.000012 J
Benzo(b)fluoranthene	0.0012	0.0015	ND (0.00002) U	-	-	ND (0.00002) U	-	ND (0.00002) U	-	ND (0.00002)	ND (0.00002) U	ND (0.00002) U	0.000039	-	0.000015 J
Benzo(g,h,i)perylene	0.00026	0.00026	ND (0.00002)	-	-	ND (0.00002)	-	ND (0.00002)	-	ND (0.00002)	0.000023	0.000027	0.000057	-	0.000022
Benzo(k)fluoranthene	0.0008	0.00080	0.0000028 J	-	-	ND (0.00002) U	-	ND (0.00002)	-	ND (0.00002)	0.000015 J	0.000018 J	0.000044	-	0.0000097 J
Chrysene	0.0016	0.0016	0.0000031 J	-	-	ND (0.00002) U	-	ND (0.00002)	-	ND (0.00002)	0.000025	0.000028	0.000069	-	0.000014 J
Dibenz(a,h)anthracene	0.00012	0.00039	0.0000034 J	-	-	ND (0.00002)	-	ND (0.00002)	-	ND (0.00002)	0.0000027 J	0.0000061 J	ND (0.00002) U	-	0.0000044 J
Dibenzofuran	0.015	0.2	ND (0.00002)	-	-	ND (0.00002)	-	ND (0.00002)	-	ND (0.00002)	ND (0.00002)	ND (0.00002)	ND (0.00002)	-	ND (0.00002)
Fluoranthene	0.21	0.21	0.0000056 J	-	-	ND (0.00002) U	-	ND (0.00002)	-	ND (0.00002)	0.000048	0.000048	0.000089	-	ND (0.00002) U
Fluorene	0.31	2	0.0000029 J	-	-	ND (0.00002)	-	ND (0.00002)	-	ND (0.00002)	0.0000047 J	0.0000055 J	0.0000045 J	-	ND (0.00002)
Indeno(1,2,3-cd)pyrene	0.000022	0.000022	0.0000027 J	-	_	ND (0.00002) U	_	ND (0.00002)	-	ND (0.00002)	0.000013 J	0.000017 J	0.000037 ^{ab}	-	0.0000085 J
Naphthalene	0.0083	2	ND (0.00002) U	_	_	ND (0.00002) U	_	ND (0.00002) U	_	ND (0.00002) U	ND (0.00002) U	ND (0.00002) U	ND (0.00002) U	_	ND (0.00002) U
Phenanthrene	0.023	0.31	0.0000061 J	_	_	ND (0.00002)	_	ND (0.00002)	_	ND (0.00002)	0.000039	0.000039	0.000073	-	ND (0.00002) U
Pyrene	0.14	0.14	0.0000067 J	-	-	ND (0.00002) U	-	ND (0.00002)	-	ND (0.00002)	0.000091	0.000089	0.00035	-	0.000023

Notes:

IDEM - Indiana Department of Environmental Management

RISC - Risk Integrated System of Closure

mg/L - milligrams per liter

* - Criteria not established for this analyte.

ND(0.50) - Analyte not detected at quantitation limit in parenthesis.

J - The associated value is an estimated quantity.

U - Not present at or above the associated value.

III - The material was analyzed for but was not detected. The associated value is an estimated quantity. UJ - The material was analyzed for, but was not detected. The associated value is an estimate and may be inaccurate or imprecise. TABLE 5.5 Page 1 of 10

SUMMARY OF PHASE IIB RFI GROUNDWATER METALS ANALYTICAL DATA - OVERBURDEN WELLS RADIO MATERIALS CORPORATION

ATTICA	INDIANA	

Sample Location: Sample ID: Sample Date: Sample Type: Parameters	IDEM RISC Defa Residential	uult Closure Levels Industrial	OB-01 GW-102603-MG-036 10/26/2003	OB-01 GW-120904-MG-053 12/9/2004	OB-01 GW-080805-TP-067 8/8/2005	OB-01 GW-111005-MG-023 11/10/2005	OB-01 GW-111005-MG-024 11/10/2005 (Duplicate)	OB-01 GW-021506-MG-050 2/15/2006	OB-01 GW-050306-NRS-054 5/3/2006	OB-01 GW-042407-NH-060 4/24/2007	OB-01 GW-042407-NH-061 4/24/2007 (Duplicate)	OB-01 GW-110207-NH-020 11/2/2007	OB-01 GW-110207-NH-021 11/2/2007 (Duplicate)	OB-01 GW-013008-NH-054 1/30/2008	OB-01 GW-013008-NH-055 1/30/2008 (Duplicate)	OB-02 GW-102603-MG-038 10/26/2003	OB-02 GW-120904-MG-054 12/9/2004
	а	b															
Metals (mg/L)																	
Aluminum	*	*	10.1	-	-	-	-	-	-	-	-	-	-	-	-	3.66	-
Antimony	0.006	0.041	0.00027	- i	-	-	-	-	-	-	-	-	-	-	-	0.00038	-
Arsenic	0.01	0.01	0.0137 ^{ab}	-	0.00203	0.00144	0.00132	0.00061	0.0018	=	-	-	-	-	-	0.0023	-
Arsenic (dissolved)	0.01	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	2.0	20	0.0993	-	-	-	-	-	-	-	-	-	-	-	-	0.109	-
Beryllium	0.004	0.2	0.00057	-	-	-	-	-	-	-	-	-	-	-	-	0.00015	-
Beryllium (dissolved)	0.004	0.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	0.005	0.051	0.00026	=	-	-	-	-	-	=	-	-	-	-	-	0.00023	-
Calcium	*	*	154	=	-	-	-	-	-	=	-	-	=	-	-	129	-
Chromium	0.1	0.31	0.0415	-	0.0043 J	0.0171	0.0161	0.00529	0.0135	0.0029	0.00267	0.00155	0.00163	0.00177	0.00172	0.727 ^{ab}	0.255 ^a
Chromium Total (dissolved)	0.1	0.31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0039 J
Cobalt	*	*	0.0165	-	-	-	-	-	-	-	-	-	-	-	-	0.0453	-
Copper	1.3	4.1	0.0133	-	-	-	-	-	-	-	-	-	-	-	-	0.0461	-
Iron	*	*	30.2	=	-	-	-	-	-	=	-	-	=	-	-	27.9	-
Iron (dissolved)	*	*	-	-	-	-	-	-	-	ND (0.02) U	ND (0.02) U	-	=	-	-	-	-
Lead	0.015	0.042	0.0177 ^a	ND (0.002)	0.00201	0.00136	0.00142	0.00017	0.00181	0.00035	0.000362	0.000335	0.000358	0.00038	0.000391	0.0124	0.0023
Lead (dissolved)	0.015	0.042	-	ND (0.002)	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.002)
Magnesium	*	*	42.7	=	-	-	-	-	-	=	-	-	-	-	-	43.8	-
Manganese	*	*	0.857	-	-	-	-	-	-	-	-	-	-	-	-	1.28	-
Manganese (dissolved)	*	*	-	-	-	-	-	-	-	0.0191	0.0185	-	-	-	-	-	-
Mercury	0.002	0.031	ND (0.0002)	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0002)	- 1
Nickel	0.73	2	0.0706	-	-	-	-	-	-	-	-	-	-	-	-	1.35 ^a	-
Potassium	*	*	6.43	=	-	-	-	-	-	=	-	-	-	-	-	3.87	-
Selenium	0.05	0.51	0.0026	=	=	-	=	-	-	=	=	-	=	-	-	0.0016	=
Silver	0.18	0.51	0.0001	=	=	-	=	-	-	=	=	-	=	-	-	0.00004	=
Sodium	*	*	12.6	-	-	-	-	-	-	-	-	-	-	-	-	13.1	-
Thallium	0.002	0.0072	0.00017	-	-	-	-	-	-	-	-	-	-	-	-	0.00009	-
Vanadium	*	*	0.0126	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.002)	-
Zinc	11	31	0.0921	-	-	-	-	-	-	-	-	-	-	-	-	0.0853	-

TABLE 5.5 Page 2 of 10

Sample Location: Sample ID: Sample Date: Sample Type:			OB-02 GW-080805-TP-068 8/8/2005	OB-02 GW-111005-MG-025 11/10/2005	OB-02 GW-021506-MG-048 2/15/2006	OB-02 GW-050306-NRS-055 5/3/2006	OB-02 GW-042007-NH-051 4/20/2007	OB-02 GW-110207-NH-022 11/2/2007	OB-02 GW-013008-NH-056 1/30/2008	OB-03 GW-102503-MG-032 10/25/2003	OB-03 GW-121304-MG-062 12/13/2004	OB-04 GW-102703-MG-043 10/27/2003	OB-04 GW-121304-MG-063 12/13/2004	OB-04 GW-121304-MG-064 12/13/2004 (Duplicate)	OB-04 GW-080805-TP-069 8/8/2005	OB-04 GW-111005-MG-030 11/10/2005	OB-04 GW-021506-MG-047 2/15/2006
Parameters	IDEM RISC Defai Residential a	ult Closure Levels Industrial b															
Metals (mg/L)																	
Aluminum	*	*	-	-	-	-	-	-	-	0.292	-	7.16	-	-	-	-	-
Antimony	0.006	0.041	-	-	-	-	-	-	-	0.00003	-	0.00047	-	-	-	-	-
Arsenic	0.01	0.01	0.00121	0.00096	0.00081	0.0007	-	-	-	0.0007	-	0.0028	-	-	0.00304	0.00039 J	0.00055
Arsenic (dissolved)	0.01	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	2.0	20	=	-	=	=	=	-	=	0.0795	=	0.178	=	=	=	=	=
Beryllium	0.004	0.2	-	-	-	-	-	-	-	ND (0.00002)	-	0.00027	-	-	-	-	-
Beryllium (dissolved)	0.004	0.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	0.005	0.051	-	-	-	-	-	-	-	0.0001	-	0.00028	-	-	-	-	-
Calcium	*	*	-	- 1	-	-	- ah	-	-	101	-	138	-	-	-	-	-
Chromium	0.1	0.31	0.221 ^a	0.0882	0.0471	0.0727	0.628 ^{ab}	0.281 ^a	0.0793	0.0047 J	=	0.0216	=	=	0.0077	0.00255	0.00451
Chromium Total (dissolved)		0.31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	*	*	-	-	-	-	-	-	-	ND (0.01)	-	0.0241	-	-	-	-	-
Copper	1.3	4.1	=	-	=	=	-	=	=	0.00076	=	0.0124 38.1	=	=	=	=	=
Iron Iron (dissolved)	*	*	-	-	-	-	ND (0.02) U	-	-	1.14	=		- -	-	-	-	-
,	0.015	0.042	0.00185	0.00151		0.00104	0.00697	0.00133	0.0028	0.00071	0.0031	0.0384ª	0.0012 J	ND (0.002)	0.0112	0.00042	0.00042
Lead Lead (dissolved)	0.015	0.042			0.00082		0.00697				ND (0.002)		ND (0.002)	ND (0.002) ND (0.002)			
Magnesium	0.015	0.042 *	-	-	-	-	-	-	-	36.7	ND (0.002)	46.1	ND (0.002)	ND (0.002)	-	-	-
Manganese	*	*	-	-	-	-	-	-	-	0.03	-	1.91	- -	-	-	-	-
Manganese (dissolved)	*	*	_	-	-	_	0.0109	_	-	-	_	-	_	-	-	_	-
Mercury	0.002	0.031	_	-	-	-	-	-	_	ND (0.0002)	-	ND (0.0002)	-	-	-	-	-
Nickel	0.73	2	-	-	-	_	_	_	_	ND (0.02)	_	0.0408	-	_	_	_	-
Potassium	*	*	-	-	-	_	_	_	_	1.17 J	_	3.83	-	_	_	_	-
Selenium	0.05	0.51	-	-	=	=	-	=	=	0.0011	=	0.0014	=	=	=	=	-
Silver	0.18	0.51	-	-	-	-	-	-	-	ND (0.00002)	-	0.00004	-	-	-	-	-
Sodium	*	*	-	-	-	-	-	-	-	7.2	=	7.03	-	=	=	=	-
Thallium	0.002	0.0072	-	-	-	-	-	-	-	0.000018 J	-	0.00022	-	-	-	-	-
Vanadium	*	*	-	-	-	-	-	-	-	0.00064	-	0.0077	-	-	-	-	-
Zinc	11	31	-	-	-	-	-	-	-	0.0085 J	-	0.206	-	-	-	-	-

TABLE 5.5 Page 3 of 10

Sample Location: Sample ID: Sample Date: Sample Type: Parameters	IDEM RISC Defai Residential	Industrial	OB-04 GW-042806-NRS-032 4/28/2006	OB-05 GW-102703-MG-044 10/27/2003	OB-05 GW-120904-MG-051 12/9/2004	OB-06 GW-102603-MG-039 10/26/2003	OB-06 GW-120904-MG-055 12/9/2004	OB-06 GW-120904-MG-056 12/9/2004 (Duplicate)	OB-06 GW-080805-TP-066 8/8/2005	OB-06 GW-111105-MG-032 11/11/2005	OB-06 GW-021506-MG-055 2/15/2006	OB-06 GW-050306-NRS-056 5/3/2006	OB-06 GW-042007-NH-050 4/20/2007	OB-06 GW-110707-NH-036 11/7/2007	OB-07 GW-102603-MG-040 10/26/2003	OB-07 GW-120904-MG-050 12/9/2004	OB-07 GW-080805-TP-065 8/8/2005
	а	b															
<u>Metals (mg/L)</u> Aluminum	*	*		0.741		86.2									61.5		
Antimony	0.006	0.041	- -	0.00009	-	0.00067	-	-	-	-	-	-	-	-	0.00106	-	-
Arsenic	0.00	0.041	0.0008 [0.0007		0.0994 ^{ab}	0.078 J ^{ab}	0.0286 J ^{ab}	0.0763 ^{ab}	0.00154	0.0429ab	0.0035	-	-	0.0416 ^{ab}	1	0.21 ^{ab}
Arsenic (dissolved)	0.01	0.01	,		-	0.0554	ND (0.005)	ND (0.005)	<u> </u>	0.00154	0.0429	0.0035	-	-		-	
Barium	2.0	20	-	0.0805	-	0.208	ND (0.005)	ND (0.005)	-	-	-	-	-	-	0.198	-	-
Beryllium	0.004	0.2	- -	ND (0.0002)	-	0.00434 ^a	0.00281 J	0.0272 J ^a	1				_		0.00233		
Beryllium (dissolved)	0.004	0.2	-	ND (0.00002)	-	0.00434	ND (0.0002)	ND (0.00002)	1 -	-	-	-	-	-	0.00233	-	-
Cadmium	0.004	0.051	-	0.00014	- -	0.0013	ND (0.00002)	ND (0.00002)	-	-	-	-	-	-	0.00153		_
Calcium	*	*	- -	110	- -	444	- -	-	-	-	-	-	-	- -	316	- -	- -
Chromium	0.1	0.31	0.005 J	0.0052	_	0.372 ^{ab}	0.231 J ^a	2.78 J ^{ab}	0.206 ^a	0.00149	0.202 ^a	0.0291	0.00124	0.0195	0.428 ^{ab}	0.139 ^a	0.901 ^{ab}
Chromium Total (dissolved)		0.31	-	-	_		ND (0.005)	ND (0.005)	-	-			-	-		ND (0.005)	<u>-</u>
Cobalt	*	*	_	ND (0.01)	-	0.121	-	-	-	-	-	-	_	-	0.0852	-	-
Copper	1.3	4.1	=	0.00334	-	0.145	-	-	-	-	-	-	=	-	0.164	-	-
Iron	*	*	-	2.05	-	238	-	-	-	-	-	-	-	-	190	-	-
Iron (dissolved)	*	*	-	-	-		-	-	-	-		_	-	-		-	<u>- </u>
Lead	0.015	0.042	0.00167 J	0.00141	ND (0.002)	0.127 ^{ab}	0.125 ^{ab}	0.088 ^{ab}	0.0819 ^{ab}	0.00041	0.0368 ^a	0.00276	0.00247	0.0148	0.267 ^{ab}	0.0708 ^{ab}	0.881 ^{ab}
Lead (dissolved)	0.015	0.042	-	-	ND (0.002)	-	ND (0.002)	ND (0.002)	-	-	-	-	-	-	-	ND (0.002)	-
Magnesium	*	*	=	36	-	77.1	-	-	-	=	-	-	=	-	84.1	-	-
Manganese	*	*	-	0.0934	-	6.43	-	-	-	-	-	-	-	-	3.98	-	-
Manganese (dissolved)	*	*	=	-	-	-	-	-	-	-	-	-	=	-	-	-	-
Mercury	0.002	0.031	-	ND (0.0002)	-	0.00027	-	-	-	-	-	-	-	-	0.00045	-	-
Nickel	0.73	2	-	0.0939	-	0.542	-	-	-	-	-	-	-	-	0.665	-	-
Potassium	*	*	-	2.58	-	28.5	-	-	-	-	-	-	-	-	28.3	-	-
Selenium	0.05	0.51	-	0.0013	-	0.0127	-	-	-	-	-	-	-	-	0.0184	-	-
Silver	0.18	0.51	-	ND (0.00002)	-	0.00071	-	-	=	=	=	-	=	-	0.00109	-	-
Sodium			-	9.64	-	9.18	-	-	-	-	-	-	-	-	7.16	1	-
Thallium	0.002	0.0072	=	0.00007	-	0.00084	-	-	-	-	-	-	=	-	0.00204ª	-	-
Vanadium	*		-	0.0009	-	0.0818	-	-	-	-	=	-	-	-	0.0624	-	-
Zinc	11	31	-	ND (0.01)	=	0.651	-	-	-	=	=	-	-	-	0.686	-	-

TABLE 5.5 Page 4 of 10

Sample Location: Sample ID: Sample Date: Sample Type:	IDEM RISC Defai	ult Closure Levels	OB-07 GW-111105-MG-031 11/11/2005	OB-07 GW-021506-MG-054 2/15/2006	OB-07 GW-050306-NRS-059 5/3/2006	OB-08 GW-102703-MG-045 10/27/2003	OB-08 GW-121304-MG-061 12/13/2004	OB-08 GW-080805-TP-064 8/8/2005	OB-08 GW-111005-MG-028 11/10/2005	OB-08 GW-021506-MG-045 2/15/2006	OB-08 GW-021506-MG-046 2/15/2006 (Duplicate)	OB-08 GW-042806-NRS-035 4/28/2006	OB-08 GW-042806-NRS-036 4/28/2006 (Duplicate)	OB-08 GW-041807-NH-035 4/18/2007	OB-08 GW-110207-NH-023 11/2/2007	OB-08 GW-013108-NH-064 1/31/2008	OB-09 GW-102203-MG-007 10/22/2003
Parameters	Residential a	Industrial b															
<u>Metals (mg/L)</u> Aluminum	*	*				8.09											1.01
Antimony	0.006	0.041	-	-	-	0.00032	-	-	- -	-	-	-	-	-	-	-	1.01 0.00013
Arsenic	0.01	0.01	0.0503 ^{ab}	0.00767	0.0054	0.0056		0.00075	0.00268	0.00064	0.00071	ND (0.0005) UJ	ND (0.0005) UJ			_	0.0013
Arsenic (dissolved)	0.01	0.01	-	0.00707	0.0034	-	_	0.00075	0.00200	0.00004	0.00071	-	-	_	_	-	0.0013
Barium	2.0	20	-	_	-	0.108	-	-	-	_	-	-	-	_	-	-	0.0822
Beryllium	0.004	0.2	<u>-</u>	_	_	0.00022	_	_	-	_	-	_	-	_	<u>-</u>	-	0.00003
Beryllium (dissolved)	0.004	0.2	-	_	_	-	_	-	_	-	-	_	-	_	_	-	-
Cadmium	0.005	0.051	-	-	-	0.00028	-	-	-	-	-	-	-	-	-	-	0.00022
Calcium	*	*	-	<u>-</u>	-	118	-	-	-	=	-	-	=	=	-	=	136
Chromium	0.1	0.31	0.131 ^a	0.0338	0.0385	0.0395	-	0.0034 J	0.0239	0.00866	0.0069	0.0031 J	0.0029 J	0.00492 J	0.00176	0.00222	ND (0.005)
Chromium Total (dissolved)	0.1	0.31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	*	*	-	-	-	ND (0.01)	-	-	-	-	-	-	-	-	-	-	ND (0.01)
Copper	1.3	4.1	-	-	-	0.014	-	-	-	-	-	-	-	-	-	-	0.003
Iron	*	*	-	-	-	19.8	-	-	-	-	-	-	-	-	-	-	4.7
Iron (dissolved)		*	0.206 ^{ab}	0.02218	0.0185 ^a	0.00503		-	-	-	-	-	-	0.0079 J	-	-	-
Lead	0.015	0.042		0.0221 ^a		0.0252 ^a	0.0017 J	0.00159	0.00699	0.00065	0.00097	0.00035 J	0.00031 J	0.00148	0.000302	0.000635	0.00331
Lead (dissolved)	0.015	0.042	-	-	-	39.6	ND (0.002)	-	-	-	=	-	-	-	-	-	47.2
Magnesium Manganese	*	*	-	-	-	0.351	-	-	-	-	-	-	-	-	-	-	0.185
Manganese (dissolved)	*	*	- -	<u>-</u>	<u>-</u>	-	<u>-</u>	-	<u>-</u>	-	-	-	-	0.0071	- -	-	-
Mercury	0.002	0.031	-	-	-	ND (0.0002)	-	-	-	=	-	-	=	-	-	=	ND (0.0002)
Nickel	0.73	2	-	_	_	0.0575	_	-	_	-	-	_	-	_	-	-	ND (0.02)
Potassium	*	*	-	-	-	4.71	-	-	-	=	-	-	=	-	-	=	2.91
Selenium	0.05	0.51	-	-	-	0.0032	-	-	-	-	-	-	-	-	-	-	ND (0.003)
Silver	0.18	0.51	-	-	-	0.00013	-	-	-	=	-	-	=	=	-	=	ND (0.00002)
Sodium	*	*	-	-	-	6.7	-	-	-	-	-	-	-	-	-	-	40.8
Thallium	0.002	0.0072	-	-	-	0.00025	-	-	-	-	-	-	-	-	-	-	0.0001
Vanadium	*	*	-	-	-	0.0072	-	-	-	-	-	-	-	-	-	-	0.0016
Zinc	11	31	-	-	-	0.0867	-	-	-	-	-	-	-	-	-	-	0.0262

TABLE 5.5
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ATTICA.	INDIANA

Sample Location: Sample ID: Sample Date: Sample Type:	IDEM RISC Defai		OB-09 GW-102203-MG-008 10/22/2003 (Duplicate)	OB-09 GW-121004-MG-059 12/10/2004	OB-09 GW-121004-MG-060 12/10/2004 (Duplicate)	OB-09 GW-072505-TP-003 7/25/2005	OB-10 GW-102703-MG-048 10/27/2003	OB-10 GW-121404-MG-069 12/14/2004	OB-10 GW-080505-TP-062 8/5/2005	OB-10 GW-111005-MG-026 11/10/2005	OB-10 GW-021506-MG-052 2/15/2006	OB-10 GW-042706-NRS-021 4/27/2006	OB-11 GW-102403-MG-026 10/24/2003	OB-11 GW-102403-MG-027 10/24/2003 (Duplicate)	OB-11 GW-121304-MG-066 12/13/2004	OB-12 GW-102703-MG-046 10/27/2003	OB-12 GW-121304-MG-065 12/13/2004
Parameters	Residential a	Industrial															
Metals (mg/L)	и	b															
Aluminum	*	*	0.857	-	-	-	5.64	-	-	-	-	-	0.584	0.587	-	15.5	-
Antimony	0.006	0.041	0.00012	-	-	-	0.00015	-	-	-	-	-	0.00021	0.00018	-	0.00033	-
Arsenic	0.01	0.01	0.0012	-	-	0.00323	0.0025	-	ND (0.0005) U	0.00148	0.00085	ND (0.0005) UJ	0.0029	0.003	-	0.0036	-
Arsenic (dissolved)	0.01	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	2.0	20	0.0805	-	-	-	0.22	-	-	-	-	-	0.0964	0.0956	-	0.395	-
Beryllium	0.004	0.2	0.00003	-	-	-	0.00016	-	-	-	-	-	0.00002	0.00002	-	0.00046	-
Beryllium (dissolved)	0.004	0.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	0.005	0.051	0.00022	-	-	-	0.00058	-	-	-	-	-	0.00017	0.00017	-	0.00105	-
Calcium	*	*	134	-	-	150	116	-	-	-	-	-	97.1	96.4	-	178	-
Chromium	0.1	0.31	ND (0.005)	-	-	0.0174	0.0205	-	ND (0.005)	0.00638	0.00373	0.0025 J	ND (0.005)	ND (0.005)	-	0.0704	-
Chromium Total (dissolved)	0.1	0.31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt			ND (0.01)	=	=	-	0.0171	-	-	-	=	=	ND (0.01)	ND (0.01)	=	0.0482	=
Copper	1.3	4.1	0.0027 4.05	-	-	16.5	0.00858 21.8	-	-	-	-	-	0.0037 6.35	0.0037 5.7	-	0.0216 111	-
Iron Iron (dissolved)	*	*	4.05	-	-	16.5	21.0	-	-	-	-	-	-	5.7	-	-	- -
Lead	0.015	0.042	0.00303	ND (0.002)	ND (0.002)	0.0148	0.0152a	0.0015 I	0.00027	0.00244	0.0008	0.00022 J	0.00598	0.00571	0.0014 J	0.0828 ^{ab}	0.004
Lead (dissolved)	0.015	0.042	-	ND (0.002)	ND (0.002)	0.0146	-	ND (0.002)	0.00027	0.00244	0.0008	0.00022 j	0.00598	0.00371	ND (0.002)	-	ND (0.002)
Magnesium	*	*	46.2	-	-	51.3	41.6	-	_	_	_	_	34	33.5	-	65.2	-
Manganese	*	*	0.177	-	-	-	1.85	_	-	-	-	-	0.0935	0.0873	-	5.83	-
Manganese (dissolved)	*	*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mercury	0.002	0.031	ND (0.0002)	=	=	-	ND (0.0002)	-	-	-	-	-	ND (0.0002)	ND (0.0002)	=	ND (0.0002)	=
Nickel	0.73	2	ND (0.02)	-	-	-	0.0518	-	-	-	-	-	ND (0.02)	ND (0.02)	-	0.103	-
Potassium	*	*	2.84	-	-	3.59	2.95	-	-	-	-	-	ND (2)	ND (2)	-	5.67	-
Selenium	0.05	0.51	ND (0.003)	-	-	-	0.0018	-	-	-	-	-	ND (0.002)	ND (0.002)	-	ND (0.002)	-
Silver	0.18	0.51	ND (0.00002)	-	-	-	0.00004	-	-	-	-	-	0.00003	ND (0.00002)	-	ND (0.00004)	-
Sodium	*	*	40	-	-	52.6	6.12	-	-	-	-	-	5.47	5.42	-	5.36	-
Thallium	0.002	0.0072	0.00009	=	=	-	0.00045	-	-	-	-	-	0.00004	0.00004	=	0.00026	=
Vanadium	*	*	0.0015	=	=	-	0.0064	-	-	-	-	-	0.002	0.0019	=	0.0137	=
Zinc	11	31	0.022	-	-	-	0.11	-	-	-	-	-	0.0281	0.0253	-	0.514	-

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Sample Location: Sample ID: Sample Date: Sample Type:			OB-12 GW-080805-TP-063 8/8/2005	OB-12 GW-111005-MG-027 11/10/2005	OB-12 GW-021506-MG-053 2/15/2006	OB-12 GW-042706-NRS-022 4/27/2006	OB-13 GW-102703-MG-047 10/27/2003	OB-13 GW-121304-MG-067 12/13/2004	OB-14 GW-102703-MG-049 10/27/2003	OB-14 GW-072505-TP-004 7/25/2005	OB-15 GW-102203-MG-012 10/22/2003	OB-15 GW-120704-MG-035 12/7/2004	OB-15 GW-120704-MG-036 12/7/2004 (Duplicate)	OB-15 GW-080505-TP-060 8/5/2005	OB-15 GW-080505-TP-061 8/5/2005 (Duplicate)	OB-15 GW-111005-MG-022 11/10/2005	OB-15 GW-021506-MG-051 2/15/2006
Parameters	IDEM RISC Defa Residential a	ult Closure Levels Industrial b															
Metals (mg/L)																	
Aluminum	*	*	-	-	-	-	1.87	-	1.62	-	4.64	-	-	-	-	-	-
Antimony	0.006	0.041	-	-	-	-	0.00012	-	0.0001	-	0.00019	-	-	-	-	-	-
Arsenic	0.01	0.01	0.00113	0.00347	0.00133	0.0031 J	0.0028	-	0.0022	0.00091	0.0032	-	-	ND (0.00052) U	ND (0.00072) U	0.00053	0.00079
Arsenic (dissolved)	0.01	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	2.0	20	-	=	-	-	0.109	-	0.0927	-	0.13	-	-	-	-	-	=
Beryllium	0.004	0.2	-	-	-	-	0.00005	-	0.00005	-	0.00013	-	-	-	-	-	-
Beryllium (dissolved)	0.004	0.2	-	-	-	-	0.00010	-	- 0.00014	-	0.00029	-	-	-	-	-	=
Cadmium Calcium	0.005	0.051	-	-	-	-	0.00018 105	-	0.00014 113	105	160	-	-	-	-	-	-
			- 0.0040.7	- 0.00574	- 0.00462	0.0454.7		-				-	-	- NTD (0.00E) II	- NID (0.00E)	- 0.0054	- 0.000
Chromium	0.1	0.31	0.0043 J	0.00561	0.00463	0.0151 J	0.0151	-	0.0107	0.00427	0.0226	-	-	ND (0.005) U	ND (0.005)	0.00251	0.003
Chromium Total (dissolved) Cobalt	0.1	0.31	-	-	-	-	- ND (0.01)	-	- ND (0.01)	-	ND (0.01)	-	-	-	-	-	-
Copper	1.3	4.1	-	-	-	-	0.00563	-	0.0034	-	0.0071	-	-	-	-	-	-
Iron	*	*	-	-	-	-	9.04	- -	7.66	1.42	20.8	-	-	-	-	-	-
Iron (dissolved)	*	*	_	_	_	-	-	-	-	-	-	-	-	_	-	-	_
Lead	0.015	0.042	0.00191	0.00721	0.0016	0.00564 J	0.00638	0.0033	0.0053	0.00145	0.016 ^a	0.00014	0.000132	0.00072	0.00076	0.00046	0.00074
Lead (dissolved)	0.015	0.042	-	-	-	-	-	ND (0.002)	-	-	_	0.000011 J	ND (0.00002)	-	-	-	-
Magnesium	*	*	-	-	-	-	37.4	-	40.7	37.4	59.6	-	-	-	-	-	-
Manganese	*	*	-	-	-	-	0.153	-	0.191	-	0.732	-	-	-	-	-	-
Manganese (dissolved)	*	*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mercury	0.002	0.031	-	-	-	-	ND (0.0002)	-	ND (0.0002)	-	ND (0.0002)	-	-	-	-	-	-
Nickel	0.73	2	=	=	-	-	ND (0.02)	-	ND (0.02)	-	0.0308	-	-	-	-	-	=
Potassium	*	*	=	=	-	-	ND (2)	-	2.09	2.45	2.85	-	-	-	-	-	=
Selenium	0.05	0.51	-	-	-	-	0.0017	-	0.0017	-	ND (0.003)	-	-	-	-	-	-
Silver	0.18	0.51	-	-	-	-	0.00004	-	ND (0.00002)	-	ND (0.00002)	-	-	-	-	-	=
Sodium	*	*	-	-	-	-	5.78	-	6.86	7.18	5.69	-	-	-	-	-	-
Thallium	0.002	0.0072	=	-	-	-	0.00006	-	0.00006	-	0.00022	-	-	-	-	-	=
Vanadium	*	*	=	-	-	-	0.0026	-	0.0025	-	0.0062	-	-	-	-	-	=
Zinc	11	31	=	-	-	-	0.0363	-	0.0352	-	0.0768	-	-	-	-	-	=

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Sample Location:		OB-15	OB-16	OB-17	OB-18	OB-19	OB-19	OB-20	OB-21	OB-22	OB-23	OB-24	OB-25	OB-26	OB-26	OB-27
Sample ID:		GW-042706-NRS-020	GW-102103-MG-001	GW-102103-MG-002	GW-102303-MG-013	GW-102303-MG-014	GW-041607-NH-019	GW-102303-MG-015	GW-102303-MG-016	GW-102203-MG-006	GW-102303-MG-018	GW-102303-MG-017	GW-102203-MG-005	GW-102103-MG-003	GW-110703-MG-061	GW-102403-MG-02
Sample Date:		4/27/2006	10/21/2003	10/21/2003	10/23/2003	10/23/2003	4/16/2007	10/23/2003	10/23/2003	10/22/2003	10/23/2003	10/23/2003	10/22/2003	10/21/2003	11/7/2003	10/24/2003
Sample Type:																
	IDEM RISC Default Closure Levels															
Parameters	Residential Industrial															

Sample ID:			GW-042706-NRS-020	GW-102103-MG-001	GW-102103-MG-002	GW-102303-MG-013	GW-102303-MG-014	GW-041607-NH-019	GW-102303-MG-015	GW-102303-MG-016	GW-102203-MG-006	GW-102303-MG-018	GW-102303-MG-017	GW-102203-MG-005	GW-102103-MG-003	GW-110703-MG-061	GW-102403-MG-022
Sample Date:			4/27/2006	10/21/2003	10/21/2003	10/23/2003	10/23/2003	4/16/2007	10/23/2003	10/23/2003	10/22/2003	10/23/2003	10/23/2003	10/22/2003	10/21/2003	11/7/2003	10/24/2003
Sample Type:																	
_	IDEM RISC Defau																
Parameters	Residential	Industrial															
16.1.4.70	а	ь															
<u>Metals (mg/L)</u> Aluminum	*	*		0.524	0.291	ND (0.05)	ND (0.05)		1.2	ND (0.05)	0.0978	ND (0.05)	ND (0.05)	1.03	2.03	ND (0.05)	0.211
Antimony	0.006	0.041	-	0.00011	0.0006	ND (0.0005)	0.00009	-	0.00012	ND (0.0005)	ND (0.00005)	ND (0.0005)	ND (0.0005)	0.00007	0.00011	ND (0.0005)	0.211
,			NID (0.000E) III			, ,				, ,	, ,	, ,	,			, ,	
Arsenic	0.01	0.01	ND (0.0005) UJ	0.0009	0.0006	ND (0.0005)	ND (0.0005)	-	0.0012	ND (0.0005)	ND (0.0005)	ND (0.0005)	0.0005	0.0018	0.0021	ND (0.0005)	ND (0.0005)
Arsenic (dissolved)	0.01 2.0	0.01 20	-	0.0528	0.0503	0.0488 J	0.0654	-	0.078	0.0606	0.0806	0.0769	0.154	0.0909	0.109	0.0959	0.0659
Barium			-			*		-									
Beryllium	0.004	0.2	-	0.00002	ND (0.00002)	ND (0.00002)	ND (0.00002)	-	0.00003	ND (0.00002)	ND (0.00002)	ND (0.00002)	ND (0.00002)	0.00003	0.00005	ND (0.00002)	ND (0.00002)
Beryllium (dissolved) Cadmium	0.004 0.005	0.2 0.051	=	0.00012	0.0001	0.00017	0.00014	-	0.00021	0.00015	0.00012	0.00014	0.00023	0.00011	0.00012	0.00004	0.00012
Calcium	0.005	0.051	-	92.7	89.9	93	100	-	103	0.00015 97.5	120	0.00014	170	112	129	125	95.5
	0.4							-									
Chromium	0.1	0.31	0.0028 J	ND (0.005)	0.0066	ND (0.005)	ND (0.005)	-	0.0104	ND (0.005)	0.0069	ND (0.005)	ND (0.005)				
Chromium Total (dissolved)	0.1	0.31	=	- NID (0.01)	- NID (0.01)	- NTD (0.01)	- 0.027	-	- NID (0.01)	NTD (0.01)	- NTD (0.01)	- NID (0.01)	- NID (0.01)	- NTD (0.01)	- NTD (0.01)	- NTD (0.01)	NID (0.01)
Cobalt	1.3		-	ND (0.01) 0.0014	ND (0.01) 0.0009	ND (0.01) 0.0001	0.026 0.0002	-	ND (0.01)	ND (0.01) 0.0001	ND (0.01) 0.0003	ND (0.01) 0.0002	ND (0.01) 0.0002	ND (0.01) 0.0011	ND (0.01) 0.0017	ND (0.01) 0.0003	ND (0.01) 0.0003
Copper Iron	1.5	4.1	-	2.16	0.867	0.0555	0.0002	-	0.002 4.7	0.0001	0.0003	0.0002	ND (0.02)	4.15	6.49	0.0003	0.579
Iron (dissolved)	*	*	- -	2.10	-	0.0555	0.0296	ND (0.02)	4.7	0.0431	0.26	0.021	ND (0.02)	4.13	0.45	-	0.379
Lead	0.015	0.042	0.00012 J	0.00207 J	0.00076	ND (0.00002)	0.00003	- (0.02)	0.00166	ND (0.00002)	0.00017	0.00002	ND (0.00002)	0.00263	0.00485	0.0001	0.00015
Lead (dissolved)	0.015	0.042	•	, and the second	0.00076	ND (0.00002)	0.00005	-	0.00166	ND (0.00002)	0.00017	0.00002	ND (0.00002)	0.00263	0.00465	0.0001	
Magnesium	0.015	*	- -	35	30.9	33.7	32.7	-	34.2	31.6	37.8	34.2	46.2	37.2	38.4	36.8	31.5
Manganese	*	*	- -	0.0729	0.0204	0.0118	0.0136	-	0.0317	ND (0.005)	0.0074	ND (0.005)	ND (0.005)	0.0674	0.0703	ND (0.005)	0.0065
Manganese (dissolved)	*	*	_	-	-	-	-	0.033	-	-	-	-	- (0.000)	-	-	- (*****)	-
Mercury	0.002	0.031	=	ND (0.0002)	ND (0.0002)	ND (0.0002)	ND (0.0002)	-	ND (0.0002)	ND (0.0002)	ND (0.0002)	ND (0.0002)	ND (0.0002)	ND (0.0002)	ND (0.0002)	ND (0.0002)	ND (0.0002)
Nickel	0.73	2	_	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	-	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	0.0081	ND (0.02)
Potassium	*	*	_	ND (2)	ND (2)	ND (2)	ND (2)	-	ND (2)	ND (2)	ND (2)	ND (2)	2.51	ND (2)	2.13	ND (2)	ND (2)
Selenium	0.05	0.51	-	ND (0.003)	ND (0.003)	ND (0.002)	ND (0.002)	-	ND (0.002)	ND (0.002)	ND (0.003)	ND (0.002)	ND (0.002)	ND (0.003)	ND (0.003)	ND (0.001)	ND (0.002)
Silver	0.18	0.51	-	ND (0.00002)	ND (0.00002)	ND (0.00002)	ND (0.00002)	-	0.00018	ND (0.00002)	0.00004	ND (0.00002)	ND (0.00002)				
Sodium	*	*	=	4.61	3.55	3.8	5.03	-	5.28	3.71	3.71	3.4	12.5	5.09	6.86	7.1	5.44
Thallium	0.002	0.0072	-	0.00003	ND (0.00002)	ND (0.00002)	0.00002	-	0.00003	ND (0.00002)	ND (0.00002)	ND (0.00002)	ND (0.00002)	0.00004	0.00005	ND (0.00002)	ND (0.00002)
Vanadium	*	*	-	0.0011	0.0006	0.0003	0.0003	-	0.0018	0.0003	0.0003	0.0004	0.0005	0.0013	0.0019	0.0003	0.0005
Zinc	11	31	-	0.0106	ND (0.01)	ND (0.01)	ND (0.01)	-	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	0.01	0.0158	ND (0.01)	ND (0.01)

TABLE 5.5 Page 8 of 10

Sample Location: Sample ID: Sample Date: Sample Type: Parameters	IDEM RISC Default Residential	t Closure Levels Industrial	OB-28 GW-102303-MG-021 10/23/2003	OB-28 GW-041607-NH-021 4/16/2007	OB-29 GW-102303-MG-019 10/23/2003	OB-29 GW-102303-MG-020 10/23/2003 (Duplicate)	OB-30 GW-102403-MG-023 10/24/2003	OB-30 GW-041707-NH-027 4/17/2007	OB-31 GW-102403-MG-025 10/24/2003	OB-32 GW-102403-MG-024 10/24/2003	OB-32 GW-030309-NH-001 3/3/2009	OB-33 GW-121404-MG-068 12/14/2004	OB-34 GW-121004-MG-058 12/10/2004	OB-34 GW-042007-NH-044 4/20/2007	OB-36 GW-041907-NH-038 4/19/2007	OB-37 GW-030309-NH-002 3/3/2009	OB-38 GW-041707-NH-023 4/17/2007
Furumeters	a	b															
Metals (mg/L)																	
Aluminum	*	*	0.0968	-	ND (0.05)	ND (0.05)	0.0577	-	ND (0.05)	0.0679	-	-	-	-	-	-	-
Antimony	0.006	0.041	ND (0.00005)	-	ND (0.00005)	ND (0.00005)	0.00017	-	0.00017	ND (0.00005)	-	-	-	-	-	-	-
Arsenic	0.01	0.01	ND (0.0005)	-	ND (0.0005)	0.0005	ND (0.0005)	-	ND (0.0005)	0.0005	-	-	-	-	-	-	-
Arsenic (dissolved)	0.01	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	2.0	20	0.0652	-	0.0733	0.0746	0.0935	-	0.108	0.0963	-	-	-	-	-	-	-
Beryllium	0.004	0.2	ND (0.00002)	-	ND (0.00002)	ND (0.00002)	ND (0.00002)	-	ND (0.00002)	ND (0.00002)	-	-	-	-	-	-	-
Beryllium (dissolved)	0.004	0.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	0.005	0.051	0.00014	-	0.00016	0.00019	0.00012	-	0.00019	0.00017	-	=	-	-	=	-	=
Calcium			104	=	111	112	101	-	109	99.8	81.4	-	-	-	-	86.1	-
Chromium	0.1	0.31	ND (0.005)	-	ND (0.005)	ND (0.005)	ND (0.005)	-	ND (0.005)	ND (0.005)	-	-	-	-	-	-	-
Chromium Total (dissolved)	0.1	0.31	- NTD (0.04)	-	- NTD (0.01)	- NTD (0.04)	- NTD (0.04)	-	- NTD (0.04)	- NTD (0.04)	-	-	-	-	-	-	-
Cobalt			ND (0.01)	-	ND (0.01)	ND (0.01)	ND (0.01)	-	ND (0.01)	ND (0.01)	-	-	-	-	-	-	-
Copper Iron	1.3	4.1	0.0001 0.21	-	0.0001 0.0974	0.0001 0.16	0.0006 0.309	- -	0.0007 0.0752	0.0002 0.139	0.0649	-	-	-	-	0.184	-
Iron (dissolved)	*	*	0.21	ND (0.02)	0.0974	0.10	-	ND (0.02)	0.0752	-	0.0049	-	-	ND (0.02) U	ND (0.02)	0.104	1.83
Lead	0.015	0.042	0.00013	` ,	0.00007	0.00007	ND (0.00002)	` ′	ND (0.00002)	0.00006	-	0.003	ND (0.002)	* *	` '		1.00
Lead (dissolved)	0.015	0.042	0.00013	-	0.00007	0.00007	ND (0.00002)	-	ND (0.00002)	0.00006	-	ND (0.002)	ND (0.002) ND (0.002)	-	-	- -	-
Magnesium	0.015 *	*	34.3	-	37	37.5	22.3	-	35.6	30.3	28.1	ND (0.002)	ND (0.002)	-	-	26.9	-
Manganese	*	*	ND (0.005)	-	0.0172	0.0232	0.0226	-	0.0052	0.0117	0.0057	-	-	-	-	0.022	-
Manganese (dissolved)	*	*	-	ND (0.005)	-	-	-	ND (0.005) U	-	-	-	_	-	0.0018 J	ND (0.005)	-	0.0971
Mercury	0.002	0.031	ND (0.0002)	-	ND (0.0002)	ND (0.0002)	ND (0.0002)	-	ND (0.0002)	ND (0.0002)	=	=	-	-	-	-	=
Nickel	0.73	2	ND (0.02)	-	ND (0.02)	ND (0.02)	ND (0.02)	-	ND (0.02)	ND (0.02)	-	_	-	-	-	-	_
Potassium	*	*	ND (2)	-	ND (2)	ND (2)	ND (2)	-	2.05	2.14	1.76	_	-	-	-	0.66	-
Selenium	0.05	0.51	ND (0.002)	-	ND (0.002)	ND (0.002)	ND (0.002)	-	ND (0.002)	ND (0.002)	=	=	-	-	=	-	=
Silver	0.18	0.51	ND (0.00002)	-	ND (0.00002)	ND (0.00002)	ND (0.00002)	-	ND (0.00002)	ND (0.00002)	-	-	-	-	-	-	-
Sodium	*	*	4.05	-	5.37	5.33	3.55	-	6.25	12.8	7	=	-	-	-	3.71	-
Thallium	0.002	0.0072	ND (0.00002)	-	ND (0.00002)	ND (0.00002)	ND (0.00002)	-	ND (0.00002)	ND (0.00002)	-	-	-	-	-	-	-
Vanadium	*	*	0.0004	-	0.0004	0.0004	0.0004	-	0.0005	0.0005	-	-	-	-	-	-	-
Zinc	11	31	ND (0.01)	-	ND (0.01)	ND (0.01)	ND (0.01)	-	ND (0.01)	ND (0.01)	-	-	-	-	-	-	-

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Sample Location:			OB-39	OB-39	OB-39	OB-39	OB-39	OB-39	OB-43D	OB-43S	OB-45D	OB-45S	OB-47D	OB-47S	PZ-01	PZ-02	PZ-03
Sample ID:			GW-111005-MG-029	GW-021506-MG-049	GW-050306-NRS-057	GW-042007-NH-049	GW-110707-NH-037	GW-012408-NH-030	GW-042407-NH-059	GW-042307-NH-055	GW-041907-NH-041	GW-041907-NH-040	GW-042307-NH-053	GW-042307-NH-052	GW-102203-MG-009	GW-102203-MG-010	GW-102203-MG-011
Sample Date:			11/10/2005	2/15/2006	5/3/2006	4/20/2007	11/7/2007	1/24/2008	4/24/2007	4/23/2007	4/19/2007	4/19/2007	4/23/2007	4/23/2007	10/22/2003	10/22/2003	10/22/2003
Sample Type:			,,	77	9,9,=	4-4	,-,	7-7	7-7	4-9	4	4-4	7-9	7-9	,,		
<i>y y</i>	IDEM RISC Defa	ult Closure Levels															
Parameters	Residential	Industrial															
	a	b															
Metals (mg/L)																	
Aluminum	*	*	-	-	-	-	-	-	-	-	-	-	-	-	0.23	0.456	0.0555
Antimony	0.006	0.041	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.00005)	0.00006	ND (0.00005)
Arsenic	0.01	0.01	0.00147	0.00034 J	ND (0.0005)	-	-	-	-	-	-	=	-	-	0.0006	0.0008	ND (0.0005)
Arsenic (dissolved)	0.01	0.01	-	-	-	-	-	-	-	-	-	=	-	-	-	-	-
Barium	2.0	20	-	-	-	-	-	-	-	-	-	-	-	-	0.0818	0.0882	0.0859
Beryllium	0.004	0.2	=	=	-	-	-	-	-	-	-	-	-	=	ND (0.00002)	ND (0.00002)	ND (0.00002)
Beryllium (dissolved)	0.004	0.2	=	=	-	-	-	-	-	-	-	-	-	=	=	-	-
Cadmium	0.005	0.051	-	-	-	-	-	-	-	-	-	-	-	-	0.00009	0.00012	0.00011
Calcium	*	*	-	-	-	-	-	-	-	-	-	-	-	-	106	112	119
Chromium	0.1	0.31	0.0101	0.00209	0.0028	0.00152	0.00446	0.00106	-	-	-	-	-	=	ND (0.005)	0.0057	ND (0.005)
Chromium Total (dissolved)	0.1	0.31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	*	*	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.01)	ND (0.01)	ND (0.01)
Copper	1.3	4.1	-	-	-	-	-	-	-	-	-	-	-	-	0.0005	0.0008	0.0002
Iron	*	*	=	=	-	-	-	-	-	-	-	-	-	=	1.1	1.64	0.362
Iron (dissolved)	*	*	=	=	-	ND (0.02) U	-	-	ND (0.02) U	ND (0.02) U	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	=	-	-
Lead	0.015	0.042	0.005	0.00042	0.00049	0.00229	0.00476	0.00104	-	-	-	-	-	-	0.00104	0.00147	0.00033
Lead (dissolved)	0.015	0.042	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Magnesium	*	*	-	-	-	-	-	-	-	-	-	-	-	-	35.4	37.1	35.1
Manganese	*	*	-	-	-	-	-	=	-	-	-	=	-	-	0.0348	0.039	0.0066
Manganese (dissolved)	*	*	-	-	-	0.0195	-	-	ND (0.005)	0.0031 J	ND (0.005)	ND (0.005)	0.0011 J	ND (0.005)	-	-	-
Mercury	0.002	0.031	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.0002)	ND (0.0002)	ND (0.0002)
Nickel	0.73	2	-	-	-	-	-	=	-	-	-	=	-	-	ND (0.02)	ND (0.02)	ND (0.02)
Potassium	*	*	=	=	-	-	-	-	-	-	-	-	-	=	ND (2)	ND (2)	ND (2)
Selenium	0.05	0.51	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.003)	ND (0.003)	ND (0.003)
Silver	0.18	0.51	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.00002)	ND (0.00002)	ND (0.00002)
Sodium	*	*	-	-	-	-	-	-	-	-	-	-	-	-	4.07	5.11	5.19
Thallium	0.002	0.0072	=	=	-	-	-	-	=	=	-	=	=	=	ND (0.00002)	0.00003	ND (0.00002)
Vanadium	*	*	=	=	-	-	-	-	=	=	-	=	=	=	0.0004	0.0007	0.0002
Zinc	11	31	=	=	-	-	-	-	-	-	-	-	-	=	ND (0.01)	0.0114	ND (0.01)

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SUMMARY OF PHASE IIB RFI GROUNDWATER METALS ANALYTICAL DATA - OVERBURDEN WELLS RADIO MATERIALS CORPORATION ATTICA, INDIANA

Sample Location: Sample ID: Sample Date: Sample Type:	IDEM RISC Defau	lt Closure Levels	PZ-04 GW-102603-MG-041 10/26/2003	PZ-04 GW-102603-MG-042 10/26/2003 (Duplicate)	PZ-04 GW-120904-MG-048 12/9/2004	PZ-05 GW-102203-MG-004 10/22/2003	PZ-06 GW-102803-MG-053 10/28/2003	PZ-06 GW-120704-MG-034 12/7/2004	PZ-06 GW-041807-NH-030 4/18/2007	PZ-05 GW-102203-MG-004 10/22/2003	PZ-06 GW-102803-MG-053 10/28/2003	PZ-06 GW-120704-MG-034 12/7/2004	PZ-06 GW-041807-NH-030 4/18/2007
Parameters	Residential a	Industrial b											
Metals (mg/L)													
Aluminum	*	*	0.914	0.726	-	2.11	2.99	-	-	2.11	2.99	-	-
Antimony	0.006	0.041	0.00012	0.0001	-	0.0001	0.00012	-	-	0.0001	0.00012	-	-
Arsenic	0.01	0.01	0.0009	0.0008	-	0.0023	0.007	-	-	0.0023	0.007	-	-
Arsenic (dissolved)	0.01	0.01	-	-	-	-	-	-	-	-	-	-	-
Barium	2.0	20	0.0994	0.0967	-	0.0959	0.165 J	-	-	0.0959	0.165 J	-	-
Beryllium	0.004	0.2	0.00003	0.00002	-	0.00006	0.00027	-	-	0.00006	0.00027	-	-
Beryllium (dissolved)	0.004	0.2	-	-	-	-	-	-	-	-	-	-	-
Cadmium	0.005	0.051	0.00017	0.00014	-	0.00017	0.00028	-	-	0.00017	0.00028	-	-
Calcium	*	*	140	138	-	116	136	-	-	116	136	-	-
Chromium	0.1	0.31	ND (0.005)	ND (0.005)	-	0.0073	0.0232	-	-	0.0073	0.0232	-	-
Chromium Total (dissolved)	0.1	0.31	-	-	-	-	-	-	-	-	-	-	-
Cobalt	*	*	ND (0.01)	ND (0.01)	-	ND (0.01)	0.0081 J	-	-	ND (0.01)	0.0081 J	-	-
Copper	1.3	4.1	0.00159	0.00134	-	0.0037	0.00966 J	-	-	0.0037	0.00966 J	-	-
Iron	*	*	2.2	1.77	-	8.88	7.68	-	-	8.88	7.68	-	-
Iron (dissolved)	*	*	-	-	-	-	-	-	0.0977	-	-	-	0.0977
Lead	0.015	0.042	0.00195	0.00155	ND (0.002)	0.0051	0.0165 ^a	0.00709	-	0.0051	0.0165 ^a	0.00709	-
Lead (dissolved)	0.015	0.042	-	-	0.0011 J	-	-	0.00009	-	-	-	0.00009	=
Magnesium	*	*	39.5	38.4	-	43.2	52.1	-	-	43.2	52.1	-	=
Manganese	*	*	0.27	0.237	-	0.207	0.455	-	-	0.207	0.455	-	-
Manganese (dissolved)	*	*	-	-	-	-	-	-	0.0079	-	-	-	0.0079
Mercury	0.002	0.031	ND (0.0002)	ND (0.0002)	-	ND (0.0002)	ND (0.0002)	-	-	ND (0.0002)	ND (0.0002)	-	-
Nickel	0.73	2	ND (0.02)	ND (0.02)	-	ND (0.02)	0.0399	-	-	ND (0.02)	0.0399	-	=
Potassium	*	*	2.63	2.58	-	2.02	1.71 J	-	-	2.02	1.71 J	-	-
Selenium	0.05	0.51	0.0015	0.0014	-	ND (0.003)	0.0011	-	-	ND (0.003)	0.0011	-	-
Silver	0.18	0.51	ND (0.00002)	ND (0.00002)	-	ND (0.00002)	0.00006	-	-	ND (0.00002)	0.00006	-	-
Sodium	*	*	7.86	7.8	-	5.3	5.32	-	-	5.3	5.32	-	-
Thallium	0.002	0.0072	0.00007	0.00006	-	0.00007	0.000232	-	-	0.00007	0.000232	-	-
Vanadium	*	*	0.0017	0.0011	-	0.0035	0.00869	-	-	0.0035	0.00869	-	-
Zinc	11	31	0.015	0.0103	-	0.0292	0.024	-	-	0.0292	0.024	-	-

Notes:

IDEM - Indiana Department of Environmental Management

RISC - Risk Integrated System of Closure

mg/L - milligrams per liter

* - Criteria not established for this analyte.

ND(0.50) - Analyte not detected at quantitation limit in parenthesis.

J - The associated value is an estimated quantity.

U - Not present at or above the associated value.

UJ - The material was analyzed for, but was not detected. The associated value is an estimate and may be inaccurate or imprecise.

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Sample Location: Sample ID:			BW-01 GW-102603-MG-037	BW-01 7 GW-120904-MG-052	BW-01 GW-080205-TP-036	BW-01 GW-111105-MG-036	BW-01 GW-021606-MG-063	BW-01 GW-050306-NRS-052	BW-01 GW-050306-NRS-053	BW-01	BW-01 GW-110507-NH-024	BW-01 GW-013008-NH-052	BW-01 GW-041508-JP-035	BW-01 GW-092608-JP-061	BW-01 GW-121508-JP-057	BW-01 GW-040809-JP-062	BW-01 GW-110509-JP-059
Sample Date:			10/26/2003	12/9/2004	8/2/2005	11/11/2005	2/16/2006	5/3/2006	5/3/2006	4/24/2007	11/5/2007	1/30/2008	4/15/2008	9/26/2008	12/15/2008	4/8/2009	11/5/2009
Sample Type:									(Duplicate)								
Parameters	IDEM RISC Defar Residential a	ult Closure Levels Industrial h															
Volatile Organic Compounds (mg/L)		U															
1,1,1,2-Tetrachloroethane	0.0069	0.11	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,1,1-Trichloroethane	0.2	29	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,1,2,2-Tetrachloroethane	0.0009	0.014	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,1,2-Trichloroethane 1,1-Dichloroethane	0.005 0.99	0.05 10	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)
1,1-Dichloroethene	0.007	5.1	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,1-Dichloropropene	*	*	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,2,3-Trichlorobenzene	*	*	ND (0.002)	ND (0.0003)	ND (0.0003)	ND (0.0003)	ND (0.003)	ND (0.0003)	ND (0.002)	ND (0.002)	ND (0.0003)	ND (0.002)	ND (0.003)	ND (0.0003)	ND (0.0003)	ND (0.0003)	ND (0.0003)
1,2,3-Trichloropropane	*	*	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,2,4-Trichlorobenzene	0.07	1	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002) UJ
1,2,4-Trimethylbenzene	0.016	5.1	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
1,2-Dibromo-3-chloropropane (DBCP)	*	*	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002) UJ	ND (0.002)	R	ND (0.002) UJ	ND (0.002)	ND (0.002) UJ	ND (0.002) UJ				
1,2-Dibromoethane (Ethylene dibromide)	0.00005	0.0014	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
1,2-Dichlorobenzene 1,2-Dichloroethane	0.6 0.005	9.2 0.031	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)
1,2-Dichloropropane	0.005	0.042	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,3,5-Trimethylbenzene	0.016	5.1	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.003)	ND (0.002)									
1,3-Dichlorobenzene	0.08	0.31	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,3-Dichloropropane	*	*	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,4-Dichlorobenzene	0.075	0.12	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
2,2-Dichloropropane	*	*	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)	ND (0.0005) UJ								
2-Butanone (Methyl ethyl ketone) (MEK) 2-Chlorotoluene	8.4	61 *	ND (0.02) ND (0.002)	ND (0.02) UJ ND (0.002)	ND (0.02) UJ ND (0.002)	ND (0.02) UJ ND (0.002)	ND (0.02) UJ ND (0.002)	ND (0.02) UJ ND (0.002)	ND (0.02) UJ ND (0.002)	ND (0.02) ND (0.002)	ND (0.02) ND (0.002)	ND (0.02) ND (0.002)	R ND (0.002)	R ND (0.002)	R ND (0.002)	R ND (0.002)	R ND (0.002)
2-Hexanone	*	*	ND (0.002)	ND (0.02) ND (0.02) UJ	ND (0.002) ND (0.02) UJ	ND (0.02)	ND (0.02)	ND (0.002)	ND (0.002) ND (0.02) UJ	ND (0.002)	ND (0.002)	ND (0.002)	R (0.002)	ND (0.02)	ND (0.002)	ND (0.02)	R (0.002)
2-Phenylbutane (sec-Butylbenzene)	*	*	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
4-Chlorotoluene	*	*	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
4-Methyl-2-pentanone																	
(Methyl isobutyl ketone) (MIBK)	2.2	8.2	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02) UJ	ND (0.02) UJ	ND (0.02) UJ	ND (0.02) UJ	ND (0.02)	ND (0.02)	ND (0.02)	R	ND (0.02)	R	ND (0.02)	ND (0.02)
Acetone	6.9	92	ND (0.02)	ND (0.02) UJ	ND (0.02) UJ	ND (0.02) UJ	ND (0.02) UJ	ND (0.02) UJ	ND (0.02) UJ	ND (0.02)	ND (0.02)	ND (0.02)	R	R	R	R	R
Benzene	0.005	0.052	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Bromobenzene Bromodichloromethane	0.08	0.08	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)
Bromoform	0.08	0.36	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ
Bromomethane (Methyl bromide)	0.011	0.14	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ	ND (0.0005) UJ					
Carbon disulfide	1.3	10	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)	ND (0.0005) UJ
Carbon tetrachloride	0.005	0.022	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Chlorobenzene	0.1	2	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Chlorobromomethane	*	*	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)				
Chloroethane Chloroform (Trichloromethane)	0.062 0.08	0.99 1	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)
Chloromethane (Methyl chloride)	*	*	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)	0.00009 J	ND (0.0005) U	ND (0.0005) UJ	ND (0.0005)						
cis-1,2-Dichloroethene	0.07	1	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
cis-1,3-Dichloropropene	*	*	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Cymene (p-Isopropyltoluene)	*	*	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
Dibromochloromethane	*	*	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Dibromomethane	*	*	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Dichlorodifluoromethane (CFC-12)	*	*	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)				
Ethylbenzene Hexachlorobutadiene	0.7 0.011	10 0.031	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005)	ND (0.0005) ND (0.002)							
Isopropyl benzene	0.83	10	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)
m&p-Xylene	*	*	ND (0.0005)	ND (0.005)	ND (0.0005)	ND (0.005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.005)
Methylene chloride	0.005	0.38	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
Naphthalene	0.0083	2	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	0.00014 J	ND (0.002)	0.00009 J
N-Butylbenzene	*	*	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
N-Propylbenzene	0.31	4.1	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
o-Xylene	*	*	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Styrene	0.1	20	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
tert-Butylbenzene	*	*	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
Tetrachloroethene	0.005	0.055	ND (0.0005)	0.00012 J	0.00019 J	0.00018 J	ND (0.0005)	ND (0.0005) U	ND (0.0005) U	ND (0.0005) U	ND (0.0005)	0.00019 J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	0.00008 J
Toluene trans-1,2-Dichloroethene	1 0.1	8.2 2	ND (0.0005)	ND (0.0005)	ND (0.0005)	0.00014 J	ND (0.0005)	ND (0.0005) U	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) U	ND (0.0005)	0.00009 J	ND (0.0005) U	0.00088 ND (0.0005)
trans-1,2-Dichloroethene trans-1,3-Dichloropropene	V.1 *	*	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005) UJ
Trichloroethene	0.005	0.0072	ND (0.0005)	0.00012 J	ND (0.0005)												
Trichlorofluoromethane (CFC-11)	*	*	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Vinyl chloride	0.002	0.004	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
, 1	0.002	0.001	112 (0.0000)	112 (0.0000)	112 (0.0000)	112 (0.0000)	112 (0.0000)	1.12 (0.0000)	112 (0.0000)	112 (0.0000)	112 (0.0000)	112 (0.0000)	112 (0.0000)	112 (0.0000)	112 (0.0000)	112 (0.0000)	112 (0.0000)

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Sample Location:			BW-02	BW-02	BW-02	BW-02	BW-02	BW-02	BW-02	BW-02	BW-02	BW-02	BW-02	BW-02	BW-02	BW-02	BW-02
Sample ID: Sample Date:			GW-102503-MG-033 10/25/2003	GW-120204-MG-013 12/2/2004	GW-080205-TP-037 8/2/2005	GW-111705-MG-072 11/17/2005	2/16/2006	GW-042806-NRS-034 4/28/2006	GW-041307-NH-014 4/13/2007	GW-110507-NH-025 11/5/2007	GW-012908-NH-050 1/29/2008	GW-041408-JP-028 4/14/2008	GW-092608-JP-062 9/26/2008	GW-120908-JP-032 12/9/2008	GW-040809-JP-056 4/8/2009	GW-071509-TP-142 7/15/2009	GW-110509-JP-061 11/5/2009
Sample Type:			10/20/2000	12/2/2001	0,2,2000	11/11/2005	2/10/2000	1/20/2000	413/2007	11/5/2007	1/23/2000	4142000	3/20/2000	12/3/2000	40,2003	7/13/2003	11/5/2005
	IDEM RISC Defa		5														
Parameters	Residential	Industrial															
Volatile Organic Compounds (mg/L)	а	b															
1,1,1,2-Tetrachloroethane	0.0069	0.11	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,1,1-Trichloroethane	0.2	29	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,1,2,2-Tetrachloroethane	0.0009	0.014	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,1,2-Trichloroethane 1,1-Dichloroethane	0.005 0.99	0.05 10	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
·			ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,1-Dichloroethene 1,1-Dichloropropene	0.007	5.1	0.00052 ND (0.0005)	0.00064 ND (0.0005)	0.00072 ND (0.0005)	0.00067 ND (0.0005)	0.00057 ND (0.0005)	0.00071 J ND (0.0005) UJ	0.00054 ND (0.0005)	0.00056 ND (0.0005)	0.00064 ND (0.0005)	0.00061 ND (0.0005)	0.0006 ND (0.0005)	0.00065 ND (0.0005)	0.00075 ND (0.0005)	0.00077 ND (0.0005)	0.00083 ND (0.0005)
1,2,3-Trichlorobenzene	*	*	ND (0.003)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002) UJ	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.0003)	ND (0.0003)	ND (0.0003)	ND (0.0003)	ND (0.002)	ND (0.0003)
1,2,3-Trichloropropane	*	*	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,2,4-Trichlorobenzene	0.07	1	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002) UJ	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002) UJ
1,2,4-Trimethylbenzene	0.016	5.1	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002) UJ	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
1,2-Dibromo-3-chloropropane (DBCP)	*	*	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002) UJ	ND (0.002) UJ	ND (0.002) UJ	ND (0.002)	ND (0.002)	R	ND (0.002) UJ	ND (0.002)	ND (0.002) UJ	R	ND (0.002) UJ
1,2-Dibromoethane (Ethylene dibromide) 1,2-Dichlorobenzene	0.00005 0.6	0.0014 9.2	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) UJ ND (0.0005) UJ	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)
1,2-Dichloroethane	0.005	0.031	ND (0.0005) ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) ND (0.0005)
1,2-Dichloropropane	0.005	0.042	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,3,5-Trimethylbenzene	0.016	5.1	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002) UJ	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
1,3-Dichlorobenzene	0.08	0.31	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,3-Dichloropropane	* 0.075	*	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,4-Dichlorobenzene 2,2-Dichloropropane	U.U/5 *	0.12	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) UJ ND (0.0005) UJ	0.00012 J ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005) UJ
2-Butanone (Methyl ethyl ketone) (MEK)	8.4	61	ND (0.003)	ND (0.003)	ND (0.0003)	ND (0.003)	ND (0.003)	ND (0.003) UJ	ND (0.003)	ND (0.003)	ND (0.003)	R (0.0003)	R (0.0003)	R (0.0003)	R (0.0005)	R (0.0003)	R (0.0003) C)
2-Chlorotoluene	*	*	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002) UJ	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
2-Hexanone	*	*	ND (0.02)	ND (0.02) UJ	ND (0.02) UJ	ND (0.02) UJ	ND (0.02) UJ	ND (0.02) UJ	ND (0.02)	ND (0.02)	ND (0.02)	R	ND (0.02)	ND (0.02)	ND (0.02)	R	R
2-Phenylbutane (sec-Butylbenzene)	*	*	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002) UJ	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
4-Chlorotoluene 4-Methyl-2-pentanone	*	*	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002) UJ	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
(Methyl isobutyl ketone) (MIBK)	2.2	8.2	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02) UJ	ND (0.02) UJ	ND (0.02) UJ	ND (0.02)	ND (0.02)	ND (0.02)	R	ND (0.02)	ND (0.02)	ND (0.02)	R	ND (0.02)
Acetone	6.9	92	ND (0.02)	ND (0.02) UJ	ND (0.02) UJ	ND (0.02) UJ	ND (0.02) UJ	ND (0.02) UJ	ND (0.02)	ND (0.02)	ND (0.02)	R	R	ND (0.02)	R	R	R
Benzene	0.005	0.052	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Bromobenzene	*	*	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002) UJ	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
Bromodichloromethane Bromoform	0.08 0.08	0.08 0.36	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005) UJ	ND (0.0005) UJ ND (0.0005) UJ	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005) UJ	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005) UJ
Bromomethane (Methyl bromide)	0.08	0.14	ND (0.0005) ND (0.0005)	ND (0.0005)	ND (0.0005) ND (0.0005) UJ	ND (0.0005)	ND (0.0005) UJ ND (0.0005)	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) U)	ND (0.0005)	ND (0.0005) ND (0.0005) UJ	ND (0.0005)	ND (0.0005) UJ
Carbon disulfide	1.3	10	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ
Carbon tetrachloride	0.005	0.022	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Chlorobenzene	0.1	2	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Chlorobromomethane	*	*	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Chloroethane Chloroform (Trichloromethane)	0.062 0.08	0.99 1	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) UJ ND (0.0005) UJ	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)
Chloromethane (Methyl chloride)	*	*	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	0.00015 J	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	0.00007 J	ND (0.0005)	ND (0.0005) UJ	ND (0.0005) U	ND (0.0005)
cis-1,2-Dichloroethene	0.07	1	0.1ª	0.12 ^a	0.13ª	0.12 ^a	0.11ª	0.12 J ^a	0.079ª	0.084ª	0.11 ^a	0.087ª	0.085ª	0.1ª	0.14 ^a	0.13ª	0.11 ^a
cis-1,3-Dichloropropene	*	*	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Cymene (p-Isopropyltoluene)	*	*	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002) UJ	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
Dibromochloromethane	*	*	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ	0.00013 J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Dibromomethane Dichlorodifluoromethane (CFC-12)	*	*	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) UJ ND (0.0005) UJ	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005) UJ	ND (0.0005) ND (0.0005)
Ethylbenzene	0.7	10	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) UJ	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) U)	ND (0.0005) ND (0.0005)
Hexachlorobutadiene	0.011	0.031	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002) UJ	ND (0.002) UJ	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
Isopropyl benzene	0.83	10	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002) UJ	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
m&p-Xylene	*	*	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Methylene chloride	0.005	0.38	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002) UJ	0.00029 J	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
Naphthalene	0.0083	2	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002) UJ	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002) UJ	ND (0.002)	ND (0.002) U	ND (0.002) UJ
N-Butylbenzene N-Propylbenzene	0.31	4.1	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) UJ ND (0.002) UJ	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)
o-Xylene	*	*	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) UJ	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)
Styrene	0.1	20	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
tert-Butylbenzene	*	*	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002) UJ	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
Tetrachloroethene	0.005	0.055	0.0004 J	0.00015 J	0.00019 J	0.00014 J	ND (0.0005)	0.00026 J	0.00024 J	0.00013 J	ND (0.0005)	0.00017 J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	0.00008 J
Toluene	1	8.2	ND (0.0005) U	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	0.00011 J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) U	ND (0.0005) U	ND (0.0005) U	ND (0.0005) U
trans-1,2-Dichloroethene	0.1	2	0.0025	0.0038	0.0054 NID (0.000E)	0.0046	0.0044 NID (0.0005)	0.0043 J	0.0029	0.0031	0.0052	0.0041	0.0041	0.0044 ND (0.0005)	0.0061	0.0059	0.0062
trans-1,3-Dichloropropene Trichloroethene			ND (0.0005) 0.02 ^{ab}	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ	ND (0.0005) 0.0058 ^a	ND (0.0005) 0.0066 ^a	ND (0.0005) 0.0094 ^{ab}	ND (0.0005) 0.012 ^{ab}	ND (0.0005) 0.0085 ^{ab}	ND (0.0005) 0.008 ^{ab}	ND (0.0005) 0.009 ^{ab}	ND (0.0005) 0.0076 ^{ab}	ND (0.0005) UJ 0.0095 ^{ab}
Trichloroethene Trichlorofluoromethane (CFC-11)	0.005	0.0072	ND (0.0005)	0.0033 ND (0.0005)	0.003 ND (0.0005)	0.0023 ND (0.0005)	0.0018 ND (0.0005)	0.0022 J ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Vinyl chloride	0.002	0.004	0.005 ^{ab}	0.0058 ^{ab}	0.0052 ^{ab}	0.005 ^{ab}	0.0063 ^{ab}	0.0079 J ^{ab}	0.0044 ^{ab}	0.0045 ^{ab}	0.0052 ^{ab}	0.0044 ^{ab}	0.0047 ^{ab}	0.0058 ^{ab}	0.0049 ^{ab}	0.0068 ^{ab}	0.006 ^{ab}
vinyi cinoride	0.002	0.004		0.000	0.0002	1 0.300	1 0.000	1 0.0077	0.0011	0.0040	0.0002	0.0011	0.0017	1 0.0000	0.0017	1 0.0000	0.000

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Sample Location:			BW-03	BW-03	BW-03	BW-03	BW-03	BW-03	BW-03	BW-03	BW-03	BW-03	BW-03	BW-03	BW-03	BW-03	BW-03
Sample ID:				34 GW-120804-MG-040		GW-111405-MG-042					GW-012808-NH-043	,	GW-091908-JP-016	,	GW-033109-JP-021	GW-071009-JP-024	GW-110409-JP-048
Sample Date: Sample Type:			10/26/2003	12/8/2004	8/9/2005	11/14/2005	2/9/2006	4/25/2006	4/17/2007	11/1/2007	1/28/2008	4/21/2008	9/19/2008	12/11/2008	3/31/2009	7/10/2009	11/4/2009
Sumple Type.	IDEM RISC Defa	ault Closure Levels	;														
Parameters	Residential	Industrial															
	а	b															
Volatile Organic Compounds (mg/L) 1,1,1,2-Tetrachloroethane	0.0069	0.11	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	NID (0.000E)	NID (0.000E)	NID (0.000E)	NID (0.000E)	ND (0.0005)	ND (0.0005)	ND (0.0005)	NID (0.000E)	NID (0.000E)	ND (0.0005)	ND (0.0005)
1,1,1-Trichloroethane	0.0069	29	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) ND (0.0005) UJ	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005)	ND (0.0005)
1,1,2,2-Tetrachloroethane	0.0009	0.014	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,1,2-Trichloroethane	0.005	0.05	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,1-Dichloroethane	0.99	10	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,1-Dichloroethene	0.007	5.1	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,1-Dichloropropene	*	*	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,2,3-Trichlorobenzene	*	*	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
1,2,3-Trichloropropane 1,2,4-Trichlorobenzene	0.07	1	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005)	ND (0.0005)
1,2,4-Trichlorobenzene	0.07	5.1	ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)
1,2-Dibromo-3-chloropropane (DBCP)	*	*	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002) UJ	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	R	ND (0.002) UJ	ND (0.002)	ND (0.002)	R (0.002)	ND (0.002)
1,2-Dibromoethane (Ethylene dibromide)	0.00005	0.0014	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
1,2-Dichlorobenzene	0.6	9.2	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,2-Dichloroethane	0.005	0.031	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)					
1,2-Dichloropropane	0.005	0.042	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,3,5-Trimethylbenzene 1,3-Dichlorobenzene	0.016 0.08	5.1 0.31	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)
1,3-Dichloropenzene 1,3-Dichloropropane	0.08	0.31 *	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)
1,4-Dichlorobenzene	0.075	0.12	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
2,2-Dichloropropane	*	*	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)					
2-Butanone (Methyl ethyl ketone) (MEK)	8.4	61	ND (0.02)	ND (0.02) ÚJ	ND (0.02) ÚJ	ND (0.02) ÚJ	ND (0.02) UJ	ND (0.02) ÚJ	ND (0.02) ÚJ	ND (0.02)	ND (0.02)	R	R	R	R	R	R
2-Chlorotoluene	*	*	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
2-Hexanone	*	*	ND (0.02)	ND (0.02) UJ	ND (0.02) UJ	ND (0.02)	ND (0.02) UJ	ND (0.02) UJ	ND (0.02)	ND (0.02)	ND (0.02)	R	ND (0.02)	ND (0.02)	ND (0.02) UJ	R	ND (0.02)
2-Phenylbutane (sec-Butylbenzene) 4-Chlorotoluene	*	*	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
4-Methyl-2-pentanone			ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
(Methyl isobutyl ketone) (MIBK)	2.2	8.2	ND (0.02)	ND (0.02)	ND (0.02) UJ	ND (0.02) UJ	ND (0.02) UJ	ND (0.02) UJ	ND (0.02)	ND (0.02)	ND (0.02)	R	ND (0.02)	ND (0.02)	R	R	R
Acetone	6.9	92	ND (0.02)	ND (0.02) UJ	ND (0.02) UJ	ND (0.02) UJ	ND (0.02) UJ	ND (0.02) UJ	ND (0.02)	ND (0.02)	ND (0.02)	R	R	ND (0.02)	R	R	R
Benzene	0.005	0.052	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) U
Bromobenzene	*	*	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
Bromodichloromethane	0.08	0.08	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Bromoform Bromomethane (Methyl bromide)	0.08 0.011	0.36 0.14	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005) UJ	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) UJ ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)
Carbon disulfide	1.3	10	ND (0.0005)	ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Carbon tetrachloride	0.005	0.022	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)
Chlorobenzene	0.1	2	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Chlorobromomethane	*	*	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Chloroethane	0.062	0.99	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Chloroform (Trichloromethane)	0.08	1	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Chloromethane (Methyl chloride)			ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) U	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) U	ND (0.0005)	ND (0.0005) U	ND (0.0005)
cis-1,2-Dichloroethene cis-1,3-Dichloropropene	0.07	1	0.0003 J ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005) UJ	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	0.00013 J ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)					
Cymene (p-Isopropyltoluene)	*	*	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002) UJ	ND (0.0005) UJ ND (0.002)	ND (0.0005) ND (0.002)	ND (0.003) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.003)	ND (0.0005) ND (0.002)					
Dibromochloromethane	*	*	ND (0.0005)	ND (0.005)	ND (0.005)	ND (0.002) C)	ND (0.005)	ND (0.0005)	ND (0.002)	ND (0.005)	ND (0.0005)	ND (0.0005)	ND (0.0005)				
Dibromomethane	*	*	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Dichlorodifluoromethane (CFC-12)	*	*	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)	ND (0.0005) UJ	ND (0.0005) UJ	ND (0.0005)
Ethylbenzene	0.7	10	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Hexachlorobutadiene	0.011	0.031 10	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002) UJ	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
Isopropyl benzene m&p-Xylene	0.83	*	ND (0.002) ND (0.0005)	ND (0.002) 0.00023 J	ND (0.002) ND (0.0005)	ND (0.002) 0.00031 J	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)
Methylene chloride	0.005	0.38	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
Naphthalene	0.0083	2	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
N-Butylbenzene	*	*	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002) UJ	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
N-Propylbenzene	0.31	4.1	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
o-Xylene	*	*	ND (0.0005)	0.0001 J	0.00015 J	0.00029 J	0.00012 J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)					
Styrene	0.1	20	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
tert-Butylbenzene	*	*	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
Tetrachloroethene	0.005	0.055	0.00043 J	0.0002 J	ND (0.0005) U	0.00017 J	ND (0.0005)	0.00016 J	0.00024 J	0.00014 J	0.00014 J	0.00016 J	ND (0.0005)	0.0001 J	ND (0.0005) U	ND (0.0005)	ND (0.0005)
Toluene	1	8.2	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) U	ND (0.0005)	0.00015 J	ND (0.0005)	ND (0.0005)	ND (0.0005)	0.00019 J	ND (0.0005)	ND (0.0005)	ND (0.0005) U	ND (0.0005)	ND (0.0005) U
trans-1,2-Dichloroethene trans-1,3-Dichloropropene	0.1	2	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005) UJ	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)					
Trichloroethene	0.005	0.0072	0.00045 J	0.00013 J	ND (0.0005)	ND (0.0005)	ND (0.0005)	0.00022 J	0.00025 J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	0.0001 J	0.00049 J	ND (0.0005)	0.0001 J
Trichlorofluoromethane (CFC-11)	*	v.0072	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)
Vinyl chloride	0.002	0.004	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
,	3.002	001	(0.0000)	(0.0000)	(0.0000)	(0.0000)	(5.000)	(3.0000)	(0.0000)	(0.0000)	(5.0000)	(5.0000)	(0.0000)	(0.0000)	(5.0000)	(-1000)	(5.0000)

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Sample Location: Sample ID:			BW-04 GW-102403-MG-028	BW-04 GW-120804-MG-044	BW-04 GW-080205-TP-035	BW-04 GW-111405-MG-039	BW-04 GW-111405-MG-040	BW-04 GW-021006-MG-031	BW-04 GW-042506-NRS-005	BW-04 GW-041807-NH-028	BW-04 GW-110107-NH-018	BW-04 GW-013008-NH-059	BW-04 GW-041108-JP-024	BW-04 GW-041108-JP-025	BW-04 GW-091908-JP-017	BW-04 GW-121108-JP-045	BW-04 GW-033109-JP-020
Sample Date:			10/24/2003	12/8/2004	8/2/2005	11/14/2005	11/14/2005	2/10/2006	4/25/2006	4/18/2007	11/1/2007	1/30/2008	4/11/2008	4/11/2008	9/19/2008	12/11/2008	3/31/2009
Sample Type:							(Duplicate)							(Duplicate)			
Parameters	IDEM RISC Defai Residential a	ult Closure Levels Industrial h															
Volatile Organic Compounds (mg/L)	и	υ															
1,1,1,2-Tetrachloroethane	0.0069	0.11	ND (0.0025)	ND (0.0025)	ND (0.005)	ND (0.0025)	ND (0.0025)	ND (0.0025)	ND (0.0025)	ND (0.0025)	ND (0.005)	ND (0.0005)	ND (0.0025)	ND (0.0025)	ND (0.005)	ND (0.0025)	ND (0.0025)
1,1,1-Trichloroethane	0.2	29	ND (0.0025)	ND (0.0025)	ND (0.005)	ND (0.0025)	ND (0.0025)	ND (0.0025)	ND (0.0025)	ND (0.0025)	ND (0.005)	ND (0.0005)	ND (0.0025)	ND (0.0025)	ND (0.005)	ND (0.0025)	ND (0.0025)
1,1,2,2-Tetrachloroethane	0.0009	0.014	ND (0.0025)	ND (0.0025)	ND (0.005)	ND (0.0025)	ND (0.0025)	ND (0.0025)	ND (0.0025)	ND (0.0025)	ND (0.005)	ND (0.0005)	ND (0.0025)	ND (0.0025)	ND (0.005)	ND (0.0025)	ND (0.0025)
1,1,2-Trichloroethane 1,1-Dichloroethane	0.005 0.99	0.05 10	ND (0.0025) ND (0.0025)	ND (0.0025) ND (0.0025)	ND (0.005) ND (0.005)	0.0027 ND (0.0025)	ND (0.0025) ND (0.0025)	ND (0.0025) ND (0.0025)	ND (0.0025) ND (0.0025)	ND (0.0025) ND (0.0025)	ND (0.005) ND (0.005)	ND (0.0005) ND (0.0005)	ND (0.0025) ND (0.0025)	ND (0.0025) ND (0.0025)	ND (0.005) ND (0.005)	ND (0.0025) ND (0.0025)	ND (0.0025) ND (0.0025)
1,1-Dichloroethene	0.007	5.1	0.0041	0.0057	0.0055	0.0052	0.0054	0.007	0.0066	0.0066	0.007	ND (0.0005)	0.0046	0.0042	0.0051	0.006	0.0066
1,1-Dichloropropene	*	*	ND (0.0025)	ND (0.0025)	ND (0.005)	ND (0.0025)	ND (0.0025)	ND (0.0025)	ND (0.0025)	ND (0.0025)	ND (0.005)	ND (0.0005)	ND (0.0025)	ND (0.0025)	ND (0.005)	ND (0.0025)	ND (0.0025)
1,2,3-Trichlorobenzene	*	*	ND (0.01) UJ	ND (0.01)	ND (0.02)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.02)	ND (0.002)	ND (0.01)	ND (0.01)	ND (0.02)	ND (0.01)	ND (0.01)
1,2,3-Trichloropropane	*	*	ND (0.0025)	ND (0.0025)	ND (0.005)	ND (0.0025)	ND (0.0025)	ND (0.0025)	ND (0.0025)	ND (0.0025)	ND (0.005)	ND (0.0005)	ND (0.0025)	ND (0.0025)	ND (0.005)	ND (0.0025)	ND (0.0025)
1,2,4-Trichlorobenzene	0.07	1	ND (0.01)	ND (0.01)	ND (0.02)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.02)	ND (0.002)	ND (0.01)	ND (0.01)	ND (0.02)	ND (0.01)	ND (0.01)
1,2,4-Trimethylbenzene 1,2-Dibromo-3-chloropropane (DBCP)	0.016	5.1 *	ND (0.01) ND (0.01)	ND (0.01) ND (0.01)	ND (0.02) ND (0.02)	ND (0.01) ND (0.01)	ND (0.01) ND (0.01)	ND (0.01) ND (0.01) UJ	ND (0.01) ND (0.01)	ND (0.01) ND (0.01)	ND (0.02) ND (0.02)	ND (0.002) ND (0.002)	ND (0.01) R	ND (0.01) R	ND (0.02) ND (0.02) UJ	ND (0.01) ND (0.01)	ND (0.01) ND (0.01)
1,2-Dibromoethane (Ethylene dibromide)	0.00005	0.0014	ND (0.01)	ND (0.01)	ND (0.02)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.02)	ND (0.002)	ND (0.01)	ND (0.01)	ND (0.02)	ND (0.01)	ND (0.01)
1,2-Dichlorobenzene	0.6	9.2	ND (0.0025)	ND (0.0025)	ND (0.005)	ND (0.0025)	ND (0.0025)	ND (0.0025)	ND (0.0025)	ND (0.0025)	ND (0.005)	ND (0.0005)	ND (0.0025)	ND (0.0025)	ND (0.005)	ND (0.0025)	ND (0.0025)
1,2-Dichloroethane	0.005	0.031	ND (0.0025)	ND (0.0025)	ND (0.005)	ND (0.0025)	ND (0.0025)	ND (0.0025)	ND (0.0025)	ND (0.0025)	ND (0.005)	ND (0.0005)	ND (0.0025)	ND (0.0025)	ND (0.005)	ND (0.0025)	ND (0.0025)
1,2-Dichloropropane	0.005	0.042	ND (0.0025)	ND (0.0025)	ND (0.005)	ND (0.0025)	ND (0.0025)	ND (0.0025)	ND (0.0025)	ND (0.0025)	ND (0.005)	ND (0.0005)	ND (0.0025)	ND (0.0025)	ND (0.005)	ND (0.0025)	ND (0.0025)
1,3,5-Trimethylbenzene 1,3-Dichlorobenzene	0.016 0.08	5.1 0.31	ND (0.01) ND (0.0025) UJ	ND (0.01) ND (0.0025)	ND (0.02) ND (0.005)	ND (0.01) ND (0.0025)	ND (0.01) ND (0.0025)	ND (0.01) ND (0.0025)	ND (0.01) ND (0.0025)	ND (0.01) ND (0.0025)	ND (0.02) ND (0.005)	ND (0.002) ND (0.0005)	ND (0.01) ND (0.0025)	ND (0.01) ND (0.0025)	ND (0.02) ND (0.005)	ND (0.01) ND (0.0025)	ND (0.01) ND (0.0025)
1,3-Dichloropropane	*	*	ND (0.0025)	ND (0.0025)	ND (0.005)	ND (0.0025)	ND (0.0025)	ND (0.0025)	ND (0.0025)	ND (0.0025)	ND (0.005)	ND (0.0005)	ND (0.0025)	ND (0.0025)	ND (0.005)	ND (0.0025)	ND (0.0025)
1,4-Dichlorobenzene	0.075	0.12	ND (0.0025)	ND (0.0025)	ND (0.005)	ND (0.0025)	ND (0.0025)	ND (0.0025)	ND (0.0025)	ND (0.0025)	ND (0.005)	ND (0.0005)	ND (0.0025)	ND (0.0025)	ND (0.005)	ND (0.0025)	ND (0.0025)
2,2-Dichloropropane	*	*	ND (0.0025) UJ	ND (0.0025)	ND (0.005)	ND (0.0025) UJ	ND (0.0025) UJ	ND (0.0025) UJ	ND (0.0025)	ND (0.0025)	ND (0.005)	ND (0.0005)	ND (0.0025)	ND (0.0025)	ND (0.005)	ND (0.0025)	ND (0.0025)
2-Butanone (Methyl ethyl ketone) (MEK)	8.4	61	ND (0.1) UJ	ND (0.1) UJ	ND (0.2) UJ	ND (0.1) UJ	ND (0.1) UJ	ND (0.1) UJ	ND (0.1) UJ	ND (0.1)	ND (0.2)	ND (0.02)	R	R	R	R	R
2-Chlorotoluene 2-Hexanone	*	*	ND (0.01) ND (0.1) UJ	ND (0.01) ND (0.1) UJ	ND (0.02) ND (0.2) UJ	ND (0.01) ND (0.1) UJ	ND (0.01) ND (0.1) UJ	ND (0.01) ND (0.1) UJ	ND (0.01) ND (0.1) UJ	ND (0.01) ND (0.1)	ND (0.02) ND (0.2)	ND (0.002) ND (0.02)	ND (0.01) R	ND (0.01) R	ND (0.02) ND (0.2)	ND (0.01) ND (0.1)	ND (0.01) ND (0.1) UJ
2-Phenylbutane (sec-Butylbenzene)	*	*	ND (0.01) UJ	ND (0.01)	ND (0.02)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.1)	ND (0.02)	ND (0.002)	ND (0.01)	ND (0.01)	ND (0.02)	ND (0.01)	ND (0.01)
4-Chlorotoluene	*	*	ND (0.01) UJ	ND (0.01)	ND (0.02)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.02)	ND (0.002)	ND (0.01)	ND (0.01)	ND (0.02)	ND (0.01)	ND (0.01)
4-Methyl-2-pentanone																	
(Methyl isobutyl ketone) (MIBK)	2.2	8.2	ND (0.1)	ND (0.1)	ND (0.2)	ND (0.1) UJ	ND (0.1) UJ	ND (0.1) UJ	ND (0.1) UJ	ND (0.1)	ND (0.2)	ND (0.02)	ND (0.1)	ND (0.1)	ND (0.2)	ND (0.1)	R
Acetone Benzene	6.9 0.005	92 0.052	ND (0.1) UJ ND (0.0025)	ND (0.1) UJ ND (0.0025)	ND (0.2) UJ ND (0.005)	ND (0.1) UJ ND (0.0025)	ND (0.1) UJ ND (0.0025)	ND (0.1) UJ ND (0.0025)	ND (0.1) UJ ND (0.0025)	ND (0.1) ND (0.0025)	ND (0.2) ND (0.005)	ND (0.02) ND (0.0005)	R ND (0.0025)	R ND (0.0025)	R ND (0.005)	ND (0.1) ND (0.0025)	ND (0.0025)
Bromobenzene	*	*	ND (0.0025)	ND (0.0025) ND (0.01)	ND (0.003)	ND (0.0023)	ND (0.0023) ND (0.01)	ND (0.0023) ND (0.01)	ND (0.0023)	ND (0.0023)	ND (0.003)	ND (0.0003) ND (0.002)	ND (0.0023)	ND (0.0025)	ND (0.003)	ND (0.0023)	ND (0.0023) ND (0.01)
Bromodichloromethane	0.08	0.08	ND (0.0025)	ND (0.0025)	ND (0.005)	ND (0.0025)	ND (0.0025)	ND (0.0025)	ND (0.0025)	ND (0.0025)	ND (0.005)	ND (0.0005)	ND (0.0025)	ND (0.0025)	ND (0.005)	ND (0.0025)	ND (0.0025)
Bromoform	0.08	0.36	ND (0.0025) UJ	ND (0.0025)	ND (0.005)	ND (0.0025)	ND (0.0025)	ND (0.0025)	ND (0.0025)	ND (0.0025)	ND (0.005)	ND (0.0005)	ND (0.0025)	ND (0.0025)	ND (0.005) UJ	ND (0.0025)	ND (0.0025)
Bromomethane (Methyl bromide)	0.011	0.14	ND (0.0025) UJ	ND (0.0025)	ND (0.005) UJ	ND (0.0025) UJ	ND (0.0025) UJ	ND (0.0025)	ND (0.0025)	ND (0.0025)	ND (0.005)	ND (0.0005)	ND (0.0025) UJ	ND (0.0025) UJ	ND (0.005)	ND (0.0025)	ND (0.0025)
Carbon disulfide Carbon tetrachloride	1.3 0.005	10 0.022	ND (0.0025) UJ ND (0.0025)	ND (0.0025) ND (0.0025)	ND (0.005) ND (0.005)	ND (0.0025) ND (0.0025) UJ	ND (0.0025) ND (0.0025) UJ	ND (0.0025) ND (0.0025)	ND (0.0025) ND (0.0025)	ND (0.0025) ND (0.0025)	ND (0.005) ND (0.005)	ND (0.0005) ND (0.0005)	ND (0.0025) ND (0.0025)	ND (0.0025) ND (0.0025)	ND (0.005) ND (0.005)	ND (0.0025) ND (0.0025)	ND (0.0025) ND (0.0025) UJ
Chlorobenzene	0.1	2	ND (0.0025)	ND (0.0025)	ND (0.005)	ND (0.0025)	ND (0.0025)	ND (0.0025)	ND (0.0025)	ND (0.0025)	ND (0.005)	ND (0.0005)	ND (0.0025)	ND (0.0025)	ND (0.005)	ND (0.0025)	ND (0.0025)
Chlorobromomethane	*	*	ND (0.0025)	ND (0.0025)	ND (0.005)	ND (0.0025)	ND (0.0025)	ND (0.0025)	ND (0.0025)	ND (0.0025)	ND (0.005)	ND (0.0005)	ND (0.0025)	ND (0.0025)	ND (0.005)	ND (0.0025)	ND (0.0025)
Chloroethane	0.062	0.99	ND (0.0025)	ND (0.0025)	ND (0.005)	ND (0.0025)	ND (0.0025)	ND (0.0025)	ND (0.0025)	ND (0.0025)	ND (0.005)	ND (0.0005)	ND (0.0025)	ND (0.0025)	ND (0.005)	ND (0.0025)	ND (0.0025)
Chloroform (Trichloromethane)	0.08	1	ND (0.0025)	ND (0.0025)	ND (0.005)	ND (0.0025)	ND (0.0025)	ND (0.0025)	ND (0.0025)	ND (0.0025)	ND (0.005)	ND (0.0005)	ND (0.0025)	ND (0.0025)	ND (0.005)	ND (0.0025)	ND (0.0025)
Chloromethane (Methyl chloride)		*	ND (0.0025) 0.74 ^a	ND (0.0025) 1.4 ^{ab}	ND (0.005) 1.6 ^{ab}	ND (0.0025) 1.4 ^{ab}	ND (0.0025) 1.4 ^{ab}	ND (0.0025) 2 ^{ab}	ND (0.0025) 1.8 ^{ab}	ND (0.0025) 1.8 ^{ab}	ND (0.005) 1.9 ^{ab}	ND (0.0005)	ND (0.0025) 1.6 ^{ab}	ND (0.0025) 1.5 ^{ab}	ND (0.005) 1.6 ^{ab}	ND (0.0025) 1.7 ^{ab}	ND (0.0025) 1.8 ^{ab}
cis-1,2-Dichloroethene cis-1,3-Dichloropropene	0.07	1 *	ND (0.0025)	ND (0.0025)	ND (0.005)	ND (0.0025)	ND (0.0025)	ND (0.0025) UJ	ND (0.0025)	ND (0.0025)	ND (0.005)	ND (0.0005) ND (0.0005)	ND (0.0025)	ND (0.0025)	ND (0.005)	ND (0.0025)	ND (0.0025)
Cymene (p-Isopropyltoluene)	*	*	ND (0.0025)	ND (0.0025) ND (0.01)	ND (0.003)	ND (0.0023) ND (0.01)	ND (0.0023) ND (0.01)	ND (0.0023) C)	ND (0.0023)	ND (0.0025) ND (0.01)	ND (0.003)	ND (0.0003) ND (0.002)	ND (0.0023)	ND (0.0025)	ND (0.003)	ND (0.0023)	ND (0.0023)
Dibromochloromethane	*	*	ND (0.0025)	ND (0.0025)	ND (0.005)	ND (0.0025)	ND (0.0025)	ND (0.0025)	ND (0.0025)	ND (0.0025)	ND (0.005)	ND (0.0005)	ND (0.0025)	ND (0.0025)	ND (0.005)	ND (0.0025)	ND (0.0025)
Dibromomethane	*	*	ND (0.0025)	ND (0.0025)	ND (0.005)	ND (0.0025)	ND (0.0025)	ND (0.0025)	ND (0.0025)	ND (0.0025)	ND (0.005)	ND (0.0005)	ND (0.0025)	ND (0.0025)	ND (0.005)	ND (0.0025)	ND (0.0025)
Dichlorodifluoromethane (CFC-12)	*	*	ND (0.0025)	ND (0.0025)	ND (0.005)	ND (0.0025)	ND (0.0025)	ND (0.0025)	ND (0.0025)	ND (0.0025)	ND (0.005)	ND (0.0005)	ND (0.0025)	ND (0.0025)	ND (0.005) UJ	ND (0.0025)	ND (0.0025) UJ
Ethylbenzene Hexachlorobutadiene	0.7 0.011	0.031	ND (0.0025) ND (0.01)	ND (0.0025) ND (0.01)	ND (0.005) ND (0.02)	ND (0.0025) ND (0.01)	ND (0.0025) ND (0.01)	ND (0.0025) ND (0.01)	ND (0.0025) ND (0.01)	ND (0.0025) ND (0.01)	ND (0.005) ND (0.02)	ND (0.0005) ND (0.002)	ND (0.0025) ND (0.01)	ND (0.0025) ND (0.01)	ND (0.005) ND (0.02)	ND (0.0025) ND (0.01)	ND (0.0025) ND (0.01)
Isopropyl benzene	0.83	10	ND (0.01)	ND (0.01)	ND (0.02)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.02)	ND (0.002)	ND (0.01)	ND (0.01)	ND (0.02)	ND (0.01)	ND (0.01)
m&p-Xylene	*	*	ND (0.0025)	ND (0.0025)	ND (0.005)	ND (0.0025)	ND (0.0025)	ND (0.0025)	ND (0.0025)	ND (0.0025)	ND (0.005)	ND (0.0005)	ND (0.0025)	ND (0.0025)	ND (0.005)	ND (0.0025)	ND (0.0025)
Methylene chloride	0.005	0.38	ND (0.01)	0.0012 J	ND (0.02)	ND (0.01)	ND (0.01)	0.0065 J ^a	ND (0.01)	ND (0.01) U	ND (0.02)	ND (0.002)	0.0013 J	0.0011 J	ND (0.02)	ND (0.01)	ND (0.01)
Naphthalene	0.0083	2	ND (0.01)	ND (0.01)	ND (0.02)	ND (0.01) UJ	ND (0.01) UJ	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.02)	ND (0.002)	ND (0.01)	ND (0.01)	ND (0.02)	ND (0.01)	ND (0.01)
N-Butylbenzene	*	*	ND (0.01)	ND (0.01)	ND (0.02)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.02)	ND (0.002)	ND (0.01)	ND (0.01)	ND (0.02)	ND (0.01)	ND (0.01)
N-Propylbenzene	0.31	4.1 *	ND (0.01) ND (0.0025)	ND (0.01) ND (0.0025)	ND (0.02) ND (0.005)	ND (0.01) ND (0.0025)	ND (0.01) ND (0.0025)	ND (0.01) ND (0.0025)	ND (0.01) ND (0.0025)	ND (0.01) ND (0.0025)	ND (0.02) ND (0.005)	ND (0.002) ND (0.0005)	ND (0.01) ND (0.0025)	ND (0.01) ND (0.0025)	ND (0.02) ND (0.005)	ND (0.01) ND (0.0025)	ND (0.01) ND (0.0025)
o-Xylene Styrene	0.1	20	ND (0.0025)	ND (0.0025) ND (0.0025)	ND (0.005)	ND (0.0025)	ND (0.0025)	ND (0.0025)	ND (0.0025)	ND (0.0025) ND (0.0025)	ND (0.005) ND (0.005)	ND (0.0005)	ND (0.0025) ND (0.0025)	ND (0.0025)	ND (0.005)	ND (0.0025)	ND (0.0025)
tert-Butylbenzene	*	*	ND (0.01)	ND (0.01)	ND (0.02)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.02)	ND (0.002)	ND (0.01)	ND (0.01)	ND (0.02)	ND (0.01)	ND (0.01)
Tetrachloroethene	0.005	0.055	0.049ª	0.11 ^{ab}	0.095 ^{ab}	0.077 ^{ab}	0.082 ^{ab}	0.12 ^{ab}	0.13 ^{ab}	0.14 ^{ab}	0.12 ^{ab}	0.00022 J	0.097 ^{ab}	0.094 ^{ab}	0.094 ^{ab}	0.1 ^{ab}	0.1 ^{ab}
Toluene	1	8.2	ND (0.0025)	ND (0.0025)	ND (0.005)	ND (0.0025)	ND (0.0025)	ND (0.0025)	ND (0.0025)	ND (0.0025)	ND (0.005)	ND (0.0005)	ND (0.0025)	ND (0.0025)	ND (0.005)	ND (0.0025)	ND (0.0025) U
trans-1,2-Dichloroethene	0.1	2	0.0039	0.0076	0.016	0.0054	0.0046	0.022	0.015	0.015	0.0081	ND (0.0005)	0.023	0.037	0.026	0.007	0.019
trans-1,3-Dichloropropene	*	*	ND (0.0025) 0.74 ^{ab}	ND (0.0025) 1.2 ^{ab}	ND (0.005) 1.3 ^{ab}	ND (0.0025) 1.1 ^{ab}	ND (0.0025) 1.2 ^{ab}	ND (0.0025) UJ 1.6 ^{ab}	ND (0.0025) 1.5 ^{ab}	ND (0.0025) 1.5 ^{ab}	ND (0.005)	ND (0.0005)	ND (0.0025)	ND (0.0025) 1.1 ^{ab}	ND (0.005) 1.2 ^{ab}	ND (0.0025) 1.3 ^{ab}	ND (0.0025) 1.4 ^{ab}
Trichloroethene Trichlorofluoromethane (CFC-11)	0.005	0.0072	ND (0.0025)	ND (0.0025)	ND (0.005)	ND (0.0025)	ND (0.0025)	ND (0.0025)	ND (0.0025)	ND (0.0025)	1.4 ^{ab} ND (0.005)	0.00029 J ND (0.0005)	1.2 ^{ab} ND (0.0025)	ND (0.0025)	ND (0.005)	ND (0.0025)	ND (0.0025) UJ
Vinyl chloride	0.002	0.004	0.023 ^{ab}	0.045 ^{ab}	0.043 ^{ab}	0.041 ^{ab}	0.043 ^{ab}	0.075 ^{ab}	0.082 ^{ab}	0.072 ^{ab}	0.07 ^{ab}	ND (0.0005)	0.046 ^{ab}	0.046 ^{ab}	0.065 ^{ab}	0.064 ^{ab}	0.062 ^{ab}
, my chorae	0.002	0.004		3.0.20	310.20	0.022	3.0.20	1 2.0.0		1 0.0.2	0.07	(0.0003)		1 0.010	3.000	0.001	00-

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Sample Location: Sample ID:			BW-04 GW-071409-TP-135	,		BW-05 GW-120604-MG-027				BW-05 GW-042506-NRS-000					•	BW-05 GW-091908-JP-018	BW-05 GW-121008-JP-034
Sample Date:			7/14/2009	11/4/2009	10/25/2003	12/6/2004	8/1/2005	11/17/2005	2/10/2006	4/25/2006	4/25/2006	4/16/2007	11/1/2007	1/28/2008	4/21/2008	9/19/2008	12/10/2008
Sample Type:	IDEM RISC Defa	ult Closure Levels	s								(Duplicate)						
Parameters	Residential a	Industrial b	•														
Volatile Organic Compounds (mg/L)																	
1,1,1,2-Tetrachloroethane	0.0069	0.11	ND (0.0025)	ND (0.0025)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,1,1-Trichloroethane 1,1,2,2-Tetrachloroethane	0.2 0.0009	29 0.014	ND (0.0025) ND (0.0025)	ND (0.0025) ND (0.0025)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)
1,1,2-Trichloroethane	0.005	0.014	ND (0.0025) ND (0.0025)	ND (0.0025)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,1-Dichloroethane	0.99	10	ND (0.0025)	ND (0.0025)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,1-Dichloroethene	0.007	5.1	0.0055	0.0062	0.00027 J	0.00021 J	0.00019 J	0.00018 J	0.00017 J	0.00018 J	0.00018 J	ND (0.0005)	0.0002 J	0.00023 J	0.0002 J	0.00016 J	0.00019 J
1,1-Dichloropropene	*	*	ND (0.0025)	ND (0.0025)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,2,3-Trichlorobenzene	*	*	ND (0.01)	ND (0.01)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
1,2,3-Trichloropropane	*	*	ND (0.0025)	ND (0.0025)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,2,4-Trichlorobenzene	0.07	1	ND (0.01)	ND (0.01)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
1,2,4-Trimethylbenzene 1,2-Dibromo-3-chloropropane (DBCP)	0.016	5.1	ND (0.01)	ND (0.01)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002) R	ND (0.002)	ND (0.002)
1,2-Dibromoethane (Ethylene dibromide)	0.00005	0.0014	ND (0.01) ND (0.01)	ND (0.01) ND (0.01)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) UJ ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002)	ND (0.002) UJ ND (0.002)	ND (0.002) ND (0.002)
1,2-Dichlorobenzene	0.6	9.2	ND (0.0025)	ND (0.0025)	ND (0.005)	ND (0.0005)	ND (0.002)	ND (0.0005)	ND (0.0005)	ND (0.002)	ND (0.0005)	ND (0.005)	ND (0.0005)	ND (0.002)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,2-Dichloroethane	0.005	0.031	ND (0.0025)	ND (0.0025)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,2-Dichloropropane	0.005	0.042	ND (0.0025)	ND (0.0025)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,3,5-Trimethylbenzene	0.016	5.1	ND (0.01)	ND (0.01)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
1,3-Dichlorobenzene	0.08	0.31	ND (0.0025)	ND (0.0025)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,3-Dichloropropane 1,4-Dichlorobenzene	0.075	0.12	ND (0.0025) ND (0.0025)	ND (0.0025) ND (0.0025)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)
2,2-Dichloropropane	*	*	ND (0.0025)	ND (0.0025)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)						
2-Butanone (Methyl ethyl ketone) (MEK)	8.4	61	R	R	ND (0.02)	ND (0.02) UJ	ND (0.02) UJ	ND (0.02) UJ	ND (0.02) UJ	ND (0.02) UJ	ND (0.02) UJ	ND (0.02)	ND (0.02)	ND (0.02)	R	R	R
2-Chlorotoluene	*	*	ND (0.01)	ND (0.01)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
2-Hexanone	*	*	R	ND (0.1)	ND (0.02)	ND (0.02) UJ	ND (0.02) UJ	ND (0.02) UJ	ND (0.02) UJ	ND (0.02) UJ	ND (0.02) UJ	ND (0.02)	ND (0.02)	ND (0.02)	R	ND (0.02)	ND (0.02)
2-Phenylbutane (sec-Butylbenzene)	*	*	ND (0.01)	ND (0.01)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
4-Chlorotoluene	*	*	ND (0.01)	ND (0.01)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	2.2	8.2	ND (0.1)	R	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02) UJ	ND (0.02) UJ	ND (0.02) UJ	ND (0.02) UJ	ND (0.02)	ND (0.02)	ND (0.02)	R	ND (0.02)	ND (0.02)
Acetone	6.9	92	ND (0.1)	R	ND (0.02)	ND (0.02) UJ	ND (0.02) UJ	ND (0.02) UJ	ND (0.02) UJ	ND (0.02) UJ	ND (0.02) UJ	ND (0.02)	ND (0.02)	ND (0.02)	R	R (0.02)	ND (0.02)
Benzene	0.005	0.052	ND (0.0025)	ND (0.0025) U	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	0.00007 J	0.00008 J
Bromobenzene	*	*	ND (0.01)	ND (0.01)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
Bromodichloromethane	0.08	0.08	ND (0.0025)	ND (0.0025)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Bromoform	0.08	0.36	ND (0.0025)	ND (0.0025)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)
Bromomethane (Methyl bromide) Carbon disulfide	0.011 1.3	0.14 10	ND (0.0025) ND (0.0025)	ND (0.0025) ND (0.0025)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) UJ ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)
Carbon tetrachloride	0.005	0.022	ND (0.0025)	ND (0.0025)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Chlorobenzene	0.1	2	ND (0.0025)	ND (0.0025)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Chlorobromomethane	*	*	ND (0.0025)	ND (0.0025)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Chloroethane	0.062	0.99	ND (0.0025)	ND (0.0025)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Chloroform (Trichloromethane)	0.08	1	ND (0.0025)	ND (0.0025)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Chloromethane (Methyl chloride)	*	*	ND (0.0025)	ND (0.0025)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) U	ND (0.0005)	ND (0.0005) U	ND (0.0005)	0.00009 J
cis-1,2-Dichloroethene	0.07	1	1.2 ^{ab}	2.1 ^{ab}	0.072ª	0.059	0.057	0.049	0.054	0.05	0.05	0.036	0.061	0.059	0.059	0.049	0.055
cis-1,3-Dichloropropene Cymene (p-Isopropyltoluene)	*	*	ND (0.0025) ND (0.01)	ND (0.0025) ND (0.01)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) UJ ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)
Dibromochloromethane	*	*	ND (0.0025)	ND (0.0025)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.0005)	ND (0.002)	ND (0.002)
Dibromomethane	*	*	ND (0.0025)	ND (0.0025)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Dichlorodifluoromethane (CFC-12)	*	*	ND (0.0025) UJ	ND (0.0025)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)
Ethylbenzene	0.7	10	ND (0.0025)	ND (0.0025)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Hexachlorobutadiene	0.011 0.83	0.031 10	ND (0.01)	ND (0.01)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
Isopropyl benzene m&p-Xylene	0.83 *	*	ND (0.01) ND (0.0025)	ND (0.01) ND (0.0025)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)
Methylene chloride	0.005	0.38	ND (0.01)	ND (0.01)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002) U	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
Naphthalene	0.0083	2	ND (0.01)	ND (0.01)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
N-Butylbenzene	*	*	ND (0.01)	ND (0.01)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
N-Propylbenzene	0.31	4.1	ND (0.01)	ND (0.01)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
o-Xylene	*	*	ND (0.0025)	ND (0.0025)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Styrene	0.1	20	ND (0.0025)	ND (0.0025)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
tert-Butylbenzene			ND (0.01)	ND (0.01)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
Tetrachloroethene	0.005	0.055	0.099 ^{ab}	0.11 ^{ab}	0.0024 ND (0.0005)	0.0014 ND (0.0005)	0.00093 ND (0.0005)	0.0005 ND (0.0005)	0.00045 J	0.0004 J	0.0004 J	0.00019 J	0.00014 J	0.00013 J	0.00018 J	0.00012 J	0.00009 J
Toluene trans-1,2-Dichloroethene	1 0.1	8.2 2	ND (0.0025) 0.012	ND (0.0025) 0.014	ND (0.0005) 0.00094	ND (0.0005) 0.00071	ND (0.0005) 0.00067	ND (0.0005) 0.00057	ND (0.0005) 0.00056	ND (0.0005) 0.00047 J	0.00011 J 0.0005	ND (0.0005) 0.00034 J	ND (0.0005) 0.00059	ND (0.0005) 0.0006	0.00031 J 0.00081	ND (0.0005) 0.00061	ND (0.0005) 0.00062
trans-1,3-Dichloropropene	*	*	ND (0.0025)	ND (0.0025)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)						
Trichloroethene	0.005	0.0072	1 ^{ab}	1.5 ^{ab}	0.11 ^{ab}	0.061 ^{ab}	0.049 ^{ab}	0.038 ^{ab}	0.036 ^{ab}	0.029 ^{ab}	0.03 ^{ab}	0.0079 ^{ab}	0.015 ^{ab}	0.014 ^{ab}	0.015 ^{ab}	0.015 ^{ab}	0.017 ^{ab}
Trichlorofluoromethane (CFC-11)	*	*	ND (0.0025)	ND (0.0025)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Vinyl chloride	0.002	0.004	0.068 ^{ab}	0.067 ^{ab}	0.00069	0.00074	0.00058	0.00061	0.00068	0.0008	0.00077	0.00063	0.00093	0.00096	0.00085	0.0014	0.0016

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Sample Location: Sample ID: Sample Date:			BW-05 GW-040209-JP-032 4/2/2009	BW-05 GW-071409-TP-136 7/14/2009	BW-05 GW-110509-JP-055 11/5/2009	BW-06 GW-102503-MG-030 10/25/2003	BW-06 GW-120704-MG-031 12/7/2004	BW-06 GW-080405-TP-054 8/4/2005	BW-06 GW-111405-MG-043 11/14/2005	BW-06 3 GW-021006-MG-029 2/10/2006	2/10/2006	BW-06 GW-042506-NRS-009 4/25/2006	BW-06 9 GW-041207-NH-009 4/12/2007	BW-06 GW-103107-NH-008 10/31/2007	BW-06 GW-013008-NH-057 1/30/2008	BW-06 GW-040908-JP-009 4/9/2008	BW-06 GW-092408-JP-045 9/24/2008
Sample Type:	**************************************										(Duplicate)						
Parameters	IDEM RISC Defa Residential a	ult Closure Level Industrial h	s														
Volatile Organic Compounds (mg/L)		Ü															
1,1,1,2-Tetrachloroethane	0.0069	0.11	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.013)	ND (0.0025)	ND (0.005)	ND (0.0025)	ND (0.0025)	ND (0.0025)	ND (0.0025)	ND (0.001)	ND (0.0025)	ND (0.0025)	ND (0.001)	ND (0.0025)
1,1,1-Trichloroethane 1,1,2,2-Tetrachloroethane	0.2 0.0009	29 0.014	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.013) ND (0.013)	ND (0.0025) ND (0.0025)	ND (0.005) ND (0.005)	ND (0.0025) ND (0.0025)	ND (0.0025) ND (0.0025)	ND (0.0025) ND (0.0025)	ND (0.0025) ND (0.0025)	ND (0.001) ND (0.001)	ND (0.0025) ND (0.0025)	ND (0.0025) ND (0.0025)	ND (0.001) ND (0.001)	ND (0.0025) ND (0.0025)
1,1,2-Trichloroethane	0.005	0.014	ND (0.0005) ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.013) ND (0.013)	ND (0.0025)	ND (0.005)	ND (0.0025)	ND (0.0025) ND (0.0025)	ND (0.0025)	ND (0.0025)	ND (0.001) ND (0.001)	ND (0.0025)	ND (0.0025)	ND (0.001) ND (0.001)	ND (0.0025) ND (0.0025)
1,1-Dichloroethane	0.99	10	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.013)	ND (0.0025)	ND (0.005)	ND (0.0025)	ND (0.0025)	ND (0.0025)	ND (0.0025)	ND (0.001)	ND (0.0025)	ND (0.0025)	ND (0.001)	ND (0.0025)
1,1-Dichloroethene	0.007	5.1	0.00017 J	0.00022 J	0.0002 J	0.0063	0.0032	0.0027 J	0.0025 J	0.0028	0.0029	0.0027	0.0013	0.0022 J	0.0024 J	0.0017	0.0027
1,1-Dichloropropene	*	*	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.013)	ND (0.0025)	ND (0.005)	ND (0.0025)	ND (0.0025)	ND (0.0025)	ND (0.0025)	ND (0.001)	ND (0.0025)	ND (0.0025)	ND (0.001)	ND (0.0025)
1,2,3-Trichlorobenzene	*	*	ND (0.002)	ND (0.002)	ND (0.002) UJ	ND (0.05)	ND (0.01)	ND (0.02)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.004)	ND (0.01)	ND (0.01)	ND (0.004)	ND (0.01)
1,2,3-Trichloropropane 1,2,4-Trichlorobenzene	0.07	1	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002) UJ	ND (0.013) ND (0.05)	ND (0.0025) ND (0.01)	ND (0.005) ND (0.02)	ND (0.0025) ND (0.01)	ND (0.0025) ND (0.01)	ND (0.0025) ND (0.01)	ND (0.0025) ND (0.01)	ND (0.001) ND (0.004)	ND (0.0025) ND (0.01)	ND (0.0025) ND (0.01)	ND (0.001) ND (0.004)	ND (0.0025) ND (0.01)
1,2,4-Trichloroberizerie 1,2,4-Trimethylbenzene	0.07	5.1	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.05)	ND (0.01) ND (0.01)	ND (0.02)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.004)	ND (0.01)	ND (0.01)	ND (0.004)	ND (0.01)
1,2-Dibromo-3-chloropropane (DBCP)	*	*	ND (0.002)	ND (0.002)	ND (0.002) UJ	ND (0.05)	ND (0.01)	ND (0.02)	ND (0.01)	ND (0.01) UJ	ND (0.01) UJ	ND (0.01)	ND (0.004) UJ	ND (0.01)	ND (0.01)	R	ND (0.01) UJ
1,2-Dibromoethane (Ethylene dibromide)		0.0014	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.05)	ND (0.01)	ND (0.02)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.004)	ND (0.01)	ND (0.01)	ND (0.004)	ND (0.01)
1,2-Dichlorobenzene	0.6 0.005	9.2 0.031	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.013) ND (0.013)	ND (0.0025)	ND (0.005)	ND (0.0025)	ND (0.0025)	ND (0.0025)	ND (0.0025)	ND (0.001)	ND (0.0025)	ND (0.0025)	ND (0.001)	ND (0.0025)
1,2-Dichloroethane 1,2-Dichloropropane	0.005	0.031	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.013) ND (0.013)	ND (0.0025) ND (0.0025)	ND (0.005) ND (0.005)	ND (0.0025) ND (0.0025)	ND (0.0025) ND (0.0025)	ND (0.0025) ND (0.0025)	ND (0.0025) ND (0.0025)	ND (0.001) ND (0.001)	ND (0.0025) ND (0.0025)	ND (0.0025) ND (0.0025)	ND (0.001) ND (0.001)	ND (0.0025) ND (0.0025)
1,3,5-Trimethylbenzene	0.016	5.1	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.05)	ND (0.01)	ND (0.02)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.004)	ND (0.01)	ND (0.01)	ND (0.004)	ND (0.01)
1,3-Dichlorobenzene	0.08	0.31	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.013)	ND (0.0025)	ND (0.005)	ND (0.0025)	ND (0.0025)	ND (0.0025)	ND (0.0025)	ND (0.001)	ND (0.0025)	ND (0.0025)	ND (0.001)	ND (0.0025)
1,3-Dichloropropane	*	*	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.013)	ND (0.0025)	ND (0.005)	ND (0.0025)	ND (0.0025)	ND (0.0025)	ND (0.0025)	ND (0.001)	ND (0.0025)	ND (0.0025)	ND (0.001)	ND (0.0025)
1,4-Dichlorobenzene 2,2-Dichloropropane	0.075	0.12	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005) UJ	ND (0.013) ND (0.013)	ND (0.0025) ND (0.0025)	ND (0.005) ND (0.005)	ND (0.0025) ND (0.0025) UJ	ND (0.0025) ND (0.0025) UJ	ND (0.0025) ND (0.0025) UJ	ND (0.0025) ND (0.0025)	ND (0.001) ND (0.001)	ND (0.0025) ND (0.0025)	ND (0.0025) ND (0.0025)	ND (0.001) ND (0.001)	ND (0.0025) ND (0.0025) UJ
2-Butanone (Methyl ethyl ketone) (MEK)	8.4	61	R (0.0003)	R (0.0003)	R (0.0003) C)	ND (0.013) ND (0.5)	ND (0.0023)	ND (0.003) ND (0.2) UJ	ND (0.0023) UJ	ND (0.0023) UJ	ND (0.0023) UJ	ND (0.0023) ND (0.1) UJ	ND (0.001) ND (0.04) UJ	ND (0.1) U	ND (0.0023) ND (0.1)	R (0.001)	R (0.0025) (1)
2-Chlorotoluene	*	*	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.05)	ND (0.01)	ND (0.02)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.004)	ND (0.01)	ND (0.01)	ND (0.004)	ND (0.01)
2-Hexanone	*	*	ND (0.02)	R	R	ND (0.5)	ND (0.1) UJ	ND (0.2) UJ	ND (0.1) UJ	ND (0.1) UJ	ND (0.1) UJ	ND (0.1) UJ	ND (0.04)	ND (0.1)	ND (0.1)	R	ND (0.1)
2-Phenylbutane (sec-Butylbenzene) 4-Chlorotoluene	*	*	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.05)	ND (0.01)	ND (0.02)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.004)	ND (0.01)	ND (0.01)	ND (0.004)	ND (0.01)
4-Chlorotoluene 4-Methyl-2-pentanone			ND (0.002)	ND (0.002)	ND (0.002)	ND (0.05)	ND (0.01)	ND (0.02)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.004)	ND (0.01)	ND (0.01)	ND (0.004)	ND (0.01)
(Methyl isobutyl ketone) (MIBK)	2.2	8.2	R	ND (0.02)	ND (0.02)	ND (0.5)	ND (0.1)	ND (0.2)	ND (0.1) UJ	ND (0.1) UJ	ND (0.1) UJ	ND (0.1) UJ	ND (0.04)	ND (0.1)	ND (0.1)	ND (0.04)	ND (0.1)
Acetone	6.9	92	R	ND (0.02)	R	ND (0.5)	ND (0.1) UJ	ND (0.2) UJ	ND (0.1) UJ	ND (0.1) UJ	ND (0.1) UJ	ND (0.1) UJ	ND (0.04)	ND (0.1)	ND (0.1)	R	R
Benzene	0.005	0.052	0.0001 J	0.00007 J	0.00007 J	ND (0.013)	ND (0.0025)	ND (0.005)	ND (0.0025)	ND (0.0025)	ND (0.0025)	ND (0.0025)	ND (0.001)	ND (0.0025)	ND (0.0025)	ND (0.001)	ND (0.0025)
Bromobenzene Bromodichloromethane	0.08	* 0.08	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.05) ND (0.013)	ND (0.01) ND (0.0025)	ND (0.02) ND (0.005)	ND (0.01) ND (0.0025)	ND (0.01) ND (0.0025)	ND (0.01) ND (0.0025)	ND (0.01) ND (0.0025)	ND (0.004) ND (0.001)	ND (0.01) ND (0.0025)	ND (0.01) ND (0.0025)	ND (0.004) ND (0.001)	ND (0.01) ND (0.0025)
Bromoform	0.08	0.36	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ	ND (0.013)	ND (0.0025)	ND (0.005)	ND (0.0025)	ND (0.0025)	ND (0.0025)	ND (0.0025)	ND (0.001)	ND (0.0025)	ND (0.0025)	ND (0.001)	ND (0.0025)
Bromomethane (Methyl bromide)	0.011	0.14	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ	ND (0.013)	ND (0.0025)	ND (0.005)	ND (0.0025) UJ	ND (0.0025)	ND (0.0025)	ND (0.0025)	ND (0.001)	ND (0.0025)	ND (0.0025)	ND (0.001) UJ	ND (0.0025) UJ
Carbon disulfide	1.3	10	ND (0.0005) UJ	ND (0.0005)	ND (0.0005) UJ	ND (0.013)	ND (0.0025)	ND (0.005)	ND (0.0025)	ND (0.0025)	ND (0.0025)	ND (0.0025)	ND (0.001)	ND (0.0025)	ND (0.0025)	ND (0.001)	ND (0.0025) UJ
Carbon tetrachloride	0.005	0.022	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.013)	ND (0.0025)	ND (0.005)	ND (0.0025) UJ	ND (0.0025)	ND (0.0025)	ND (0.0025)	ND (0.001)	ND (0.0025)	ND (0.0025)	ND (0.001)	ND (0.0025)
Chlorobenzene Chlorobromomethane	0.1	2	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.013) ND (0.013)	ND (0.0025) ND (0.0025)	ND (0.005) ND (0.005)	ND (0.0025) ND (0.0025)	ND (0.0025) ND (0.0025)	ND (0.0025) ND (0.0025)	ND (0.0025) ND (0.0025)	ND (0.001) ND (0.001)	ND (0.0025) ND (0.0025)	ND (0.0025) ND (0.0025)	ND (0.001) ND (0.001)	ND (0.0025) ND (0.0025)
Chloroethane	0.062	0.99	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.013)	ND (0.0025)	ND (0.005)	ND (0.0025)	ND (0.0025)	ND (0.0025)	ND (0.0025)	ND (0.001)	ND (0.0025)	ND (0.0025)	ND (0.001)	ND (0.0025)
Chloroform (Trichloromethane)	0.08	1	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.013)	ND (0.0025)	ND (0.005)	ND (0.0025)	ND (0.0025)	ND (0.0025)	ND (0.0025)	ND (0.001)	ND (0.0025)	ND (0.0025)	ND (0.001)	ND (0.0025)
Chloromethane (Methyl chloride)	*	*	ND (0.0005)	ND (0.0005) U	ND (0.0005)	ND (0.013)	ND (0.0025)	ND (0.005)	ND (0.0025)	ND (0.0025)	ND (0.0025)	ND (0.0025)	0.0006 J	ND (0.0025)	ND (0.0025)	ND (0.001)	ND (0.0025)
cis-1,2-Dichloroethene	0.07	1	0.051	0.041	0.043	2 ^{ab}	1.3ab	1.4 ^{ab}	1.2 ^{ab}	1.5ab	1.4 ^{ab}	1.2ªb	0.59ª	0.9ª	1 J ^a	0.88ª	0.8ª
cis-1,3-Dichloropropene	*	*	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.013) ND (0.05)	ND (0.0025) ND (0.01)	ND (0.005) ND (0.02)	ND (0.0025) ND (0.01)	ND (0.0025) UJ ND (0.01)	ND (0.0025) UJ ND (0.01)	ND (0.0025) ND (0.01)	ND (0.001) ND (0.004)	ND (0.0025) ND (0.01)	ND (0.0025) ND (0.01)	ND (0.001) ND (0.004)	ND (0.0025) ND (0.01)
Cymene (p-Isopropyltoluene) Dibromochloromethane	*	*	ND (0.002) ND (0.0005)	ND (0.002)	ND (0.002)	ND (0.03) ND (0.013)	ND (0.0025)	ND (0.02) ND (0.005)	ND (0.01) ND (0.0025)	ND (0.0025)	ND (0.01) ND (0.0025)	ND (0.0025)	ND (0.004) ND (0.001)	ND (0.01) ND (0.0025)	ND (0.01) ND (0.0025)	ND (0.004) ND (0.001)	ND (0.01) ND (0.0025)
Dibromomethane	*	*	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.013)	ND (0.0025)	ND (0.005)	ND (0.0025)	ND (0.0025)	ND (0.0025)	ND (0.0025)	ND (0.001)	ND (0.0025)	ND (0.0025)	ND (0.001)	ND (0.0025)
Dichlorodifluoromethane (CFC-12)	*	*	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)	ND (0.013)	ND (0.0025)	ND (0.005)	ND (0.0025)	ND (0.0025)	ND (0.0025)	ND (0.0025)	ND (0.001)	ND (0.0025)	ND (0.0025)	ND (0.001)	ND (0.0025)
Ethylbenzene Hovachlorobutadiona	0.7	10	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.013)	ND (0.0025)	ND (0.005)	ND (0.0025)	ND (0.0025)	ND (0.0025)	ND (0.0025)	ND (0.001)	ND (0.0025)	ND (0.0025)	ND (0.001)	ND (0.0025)
Hexachlorobutadiene Isopropyl benzene	0.011 0.83	0.031 10	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.05) ND (0.05)	ND (0.01) ND (0.01)	ND (0.02) ND (0.02)	ND (0.01) ND (0.01)	ND (0.01) ND (0.01)	ND (0.01) ND (0.01)	ND (0.01) ND (0.01)	ND (0.004) UJ ND (0.004)	ND (0.01) ND (0.01)	ND (0.01) ND (0.01)	ND (0.004) ND (0.004)	ND (0.01) ND (0.01)
m&p-Xylene	*	*	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.013)	ND (0.0025)	ND (0.02)	ND (0.0025)	ND (0.0025)	ND (0.0025)	ND (0.0025)	ND (0.001)	ND (0.0025)	ND (0.0025)	ND (0.001)	ND (0.0025)
Methylene chloride	0.005	0.38	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.05)	ND (0.01)	ND (0.02) U	ND (0.01)	0.0061 J ^a	0.0061 J ^a	ND (0.01)	0.0008 J	ND (0.01)	ND (0.01)	ND (0.004)	ND (0.01)
Naphthalene	0.0083	2	ND (0.002)	ND (0.002)	ND (0.002) UJ	ND (0.05)	ND (0.01)	ND (0.02)	ND (0.01) UJ	ND (0.01)	ND (0.01)	ND (0.01)	0.0009 J	ND (0.01)	ND (0.01)	ND (0.004)	ND (0.01)
N-Butylbenzene	*	*	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.05)	ND (0.01)	ND (0.02)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.004)	ND (0.01)	ND (0.01)	ND (0.004)	ND (0.01)
N-Propylbenzene o-Xylene	0.31	4.1	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.05) ND (0.013)	ND (0.01) ND (0.0025)	ND (0.02) ND (0.005)	ND (0.01) ND (0.0025)	ND (0.01) ND (0.0025)	ND (0.01) ND (0.0025)	ND (0.01) ND (0.0025)	ND (0.004) ND (0.001)	ND (0.01) ND (0.0025)	ND (0.01) ND (0.0025)	ND (0.004) ND (0.001)	ND (0.01) ND (0.0025)
Styrene	0.1	20	ND (0.0005) ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.013) ND (0.013)	ND (0.0025)	ND (0.005)	ND (0.0025)	ND (0.0025)	ND (0.0025)	ND (0.0025) ND (0.0025)	ND (0.001) ND (0.001)	ND (0.0025)	ND (0.0025)	ND (0.001) ND (0.001)	ND (0.0025)
tert-Butylbenzene	*	*	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.05)	ND (0.01)	ND (0.02)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.004)	ND (0.01)	ND (0.01)	ND (0.004)	ND (0.01)
Tetrachloroethene	0.005	0.055	ND (0.0005) U	0.00011 J	0.00014 J	3.7 ^{ab}	0.0009 J	ND (0.005)	0.00065 J	0.00085 J	0.00085 J	0.00065 J	ND (0.001)	0.0008 J	0.0021 J	0.0028	0.04 ^a
Toluene	1	8.2	ND (0.0005) U	ND (0.0005)	ND (0.0005) U	ND (0.013) U	ND (0.0025)	0.0028 J	ND (0.0025)	ND (0.0025)	ND (0.0025)	ND (0.0025)	ND (0.001)	ND (0.0025)	ND (0.0025)	ND (0.001)	ND (0.0025) U
trans-1,2-Dichloroethene	0.1	2	0.00062	0.00055	0.00053	ND (0.013)	0.0068	0.01	0.0066	0.0082	0.01	0.0074	0.0035	0.012 ND (0.0025)	0.0077 J	0.0067	0.011
trans-1,3-Dichloropropene			ND (0.0005) 0.017 ^{ab}	ND (0.0005) 0.015 ^{ab}	ND (0.0005) UJ 0.015 ^{ab}	ND (0.013) 4.9 ^{ab}	ND (0.0025) 0.0088 ^{ab}	ND (0.005) 0.0081 ^{ab}	ND (0.0025) 0.0077 ^{ab}	ND (0.0025) UJ 0.011 ^{ab}	ND (0.0025) UJ 0.01 ^{ab}	ND (0.0025) 0.0095 ^{ab}	ND (0.001) 0.0025	ND (0.0025) 0.016 ^{ab}	ND (0.0025) 0.044 ^{ab}	ND (0.001) 0.035 ^{ab}	ND (0.0025) 0.35 ^{ab}
Trichloroethene Trichlorofluoromethane (CFC-11)	0.005	0.0072	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.013)	ND (0.0025)	ND (0.005)	ND (0.0025)	ND (0.0025)	ND (0.0025)	ND (0.0025)	ND (0.001)	ND (0.0025)	ND (0.0025)	ND (0.001)	ND (0.0025)
Vinyl chloride	0.002	0.004	0.0012	0.0016	0.0015	ND (0.013)	0.16 ^{ab}	0.18 ^{ab}	0.18 ^{ab}	0.24 ^{ab}	0.24 ^{ab}	0.28 ^{ab}	0.092 ^{ab}	0.11 ^{ab}	0.13 ^{ab}	0.11 ^{ab}	0.11 ^{ab}
,	5.002	0.001	0.0012	0.0010	0.0010	(0.010)		1	1	1			1	1		· · · · ·	

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Sample Location: Sample ID:			BW-06 GW-121208-IP-049	BW-06 GW-040609-IP-044	BW-06 GW-071409-TP-130	BW-06 GW-071409-TP-131	BW-06 GW-110509-IP-051	BW-07 GW-102503-MG-029	BW-07 GW-120604-MG-021	BW-07 GW-120604-MG-022	BW-07 2. GW-072505-TP-002	BW-07 GW-111605-MG-054	BW-07 GW-021606-MG-064	BW-07	BW-07	BW-07	BW-07 GW-012908-NH-046
Sample 1D: Sample Date:			12/12/2008	4/6/2009	7/14/2009	7/14/2009	11/5/2009	10/25/2003	12/6/2004	12/6/2004	7/25/2005	11/16/2005	2/16/2006	4/26/2006	4/19/2007	11/5/2007	1/29/2008
Sample Type:			, ,	,,	, ,	(Duplicate)	,,	, ,		(Duplicate)	, ,		, ,	, ,		,	, ,
Parameters	IDEM RISC Defa Residential	ult Closure Levels Industrial															
	а	ь															
Volatile Organic Compounds (mg/L) 1,1,2-Tetrachloroethane	0.0069	0.11	ND (0.0025)	ND (0.0025)	ND (0.001)	ND (0.0013)	ND (0.0025)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,1,1-Trichloroethane	0.2	29	ND (0.0025)	ND (0.0025)	ND (0.001)	ND (0.0013)	ND (0.0025)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,1,2,2-Tetrachloroethane	0.0009	0.014	ND (0.0025)	ND (0.0025)	ND (0.001)	ND (0.0013)	ND (0.0025)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,1,2-Trichloroethane	0.005	0.05	ND (0.0025)	ND (0.0025)	ND (0.001)	ND (0.0013)	ND (0.0025)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,1-Dichloroethane	0.99	10	ND (0.0025)	ND (0.0025)	ND (0.001)	ND (0.0013)	ND (0.0025)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,1-Dichloroethene	0.007	5.1 *	0.0028	0.0026	0.0021	0.0018	0.0034	0.00014 J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	0.00013 J	ND (0.0005)	ND (0.0005)
1,1-Dichloropropene 1,2,3-Trichlorobenzene	*	*	ND (0.0025) ND (0.01)	ND (0.0025) ND (0.01)	ND (0.001) ND (0.004)	ND (0.0013) ND (0.005)	ND (0.0025) ND (0.01)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)
1,2,3-Trichloropropane	*	*	ND (0.0025)	ND (0.0025)	ND (0.001)	ND (0.003)	ND (0.0025)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.0005)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
1,2,4-Trichlorobenzene	0.07	1	ND (0.01)	ND (0.01)	ND (0.004)	ND (0.005)	ND (0.01)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
1,2,4-Trimethylbenzene	0.016	5.1	ND (0.01)	ND (0.01)	ND (0.004)	ND (0.005)	ND (0.01)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
1,2-Dibromo-3-chloropropane (DBCP)	*	*	ND (0.01)	R	ND (0.004)	ND (0.005)	ND (0.01)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002) UJ	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
 1,2-Dibromoethane (Ethylene dibromide) 1,2-Dichlorobenzene) 0.00005 0.6	0.0014 9.2	ND (0.01) ND (0.0025)	ND (0.01) ND (0.0025)	ND (0.004)	ND (0.005)	ND (0.01) ND (0.0025)	ND (0.002) ND (0.0005)	ND (0.002)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)
1,2-Dichloroethane	0.005	0.031	ND (0.0025) ND (0.0025)	ND (0.0025) ND (0.0025)	ND (0.001) ND (0.001)	ND (0.0013) ND (0.0013)	ND (0.0025) ND (0.0025)	ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)
1,2-Dichloropropane	0.005	0.042	ND (0.0025)	ND (0.0025)	ND (0.001)	ND (0.0013)	ND (0.0025)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,3,5-Trimethylbenzene	0.016	5.1	ND (0.01)	ND (0.01)	ND (0.004)	ND (0.005)	ND (0.01)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
1,3-Dichlorobenzene	0.08	0.31	ND (0.0025)	ND (0.0025)	ND (0.001)	ND (0.0013)	ND (0.0025)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,3-Dichloropropane 1,4-Dichlorobenzene	* 0.075	* 0.12	ND (0.0025) ND (0.0025)	ND (0.0025)	ND (0.001)	ND (0.0013)	ND (0.0025)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
2,2-Dichloropropane	v.u/5 *	0.12 *	ND (0.0025) ND (0.0025)	ND (0.0025) ND (0.0025)	ND (0.001) ND (0.001)	ND (0.0013) ND (0.0013)	ND (0.0025) ND (0.0025) UJ	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005) UJ	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)
2-Butanone (Methyl ethyl ketone) (MEK)	8.4	61	R	R	R	R	R	ND (0.003)	ND (0.02) UJ	ND (0.02) UJ	ND (0.02) UJ	ND (0.02) UJ	ND (0.000) UJ	ND (0.02) UJ	ND (0.003)	ND (0.02)	ND (0.000)
2-Chlorotoluene	*	*	ND (0.01)	ND (0.01)	ND (0.004)	ND (0.005)	ND (0.01)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
2-Hexanone	*	*	ND (0.1)	R	R	R	R	ND (0.02)	ND (0.02) UJ	ND (0.02) UJ	ND (0.02) UJ	ND (0.02) UJ	ND (0.02) UJ	ND (0.02) UJ	ND (0.02)	ND (0.02)	ND (0.02)
2-Phenylbutane (sec-Butylbenzene) 4-Chlorotoluene	*	*	ND (0.01) ND (0.01)	ND (0.01) ND (0.01)	ND (0.004) ND (0.004)	ND (0.005) ND (0.005)	ND (0.01) ND (0.01)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002)	ND (0.002) ND (0.002)	ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)
4-Methyl-2-pentanone			ND (0.01)	ND (0.01)	ND (0.004)	ND (0.003)	ND (0.01)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
(Methyl isobutyl ketone) (MIBK)	2.2	8.2	ND (0.1)	R	ND (0.04)	ND (0.05)	ND (0.1)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02) UJ	ND (0.02) UJ	ND (0.02) UJ	ND (0.02) UJ	ND (0.02)	ND (0.02)	ND (0.02)
Acetone	6.9	92	ND (0.1)	R	ND (0.04)	ND (0.05)	Ř	ND (0.02)	ND (0.02) UJ	ND (0.02) UJ	ND (0.02) UJ	ND (0.02) UJ	ND (0.02) UJ	ND (0.02) UJ	ND (0.02)	ND (0.02)	ND (0.02)
Benzene	0.005	0.052	ND (0.0025)	ND (0.0025)	ND (0.001)	ND (0.0013)	ND (0.0025)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Bromobenzene Bromodichloromethane	0.08	0.08	ND (0.01) ND (0.0025)	ND (0.01) ND (0.0025)	ND (0.004) ND (0.001)	ND (0.005) ND (0.0013)	ND (0.01) ND (0.0025)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)
Bromoform	0.08	0.36	ND (0.0025)	ND (0.0025)	ND (0.001)	ND (0.0013)	ND (0.0025)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Bromomethane (Methyl bromide)	0.011	0.14	ND (0.0025)	ND (0.0025)	ND (0.001)	ND (0.0013)	ND (0.0025) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005)
Carbon disulfide	1.3	10	ND (0.0025)	ND (0.0025)	ND (0.001)	ND (0.0013)	ND (0.0025)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	0.0019
Carbon tetrachloride	0.005	0.022	ND (0.0025)	ND (0.0025)	ND (0.001)	ND (0.0013)	ND (0.0025)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Chlorobenzene Chlorobromomethane	0.1	2	ND (0.0025) ND (0.0025)	ND (0.0025) ND (0.0025)	ND (0.001) ND (0.001)	ND (0.0013) ND (0.0013)	ND (0.0025) ND (0.0025)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)
Chloroethane	0.062	0.99	ND (0.0025)	ND (0.0025)	ND (0.001)	ND (0.0013)	ND (0.0025)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Chloroform (Trichloromethane)	0.08	1	ND (0.0025)	ND (0.0025)	ND (0.001)	ND (0.0013)	ND (0.0025)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Chloromethane (Methyl chloride)	*	*	ND (0.0025)	ND (0.0025)	ND (0.001)	ND (0.0013)	ND (0.0025)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
cis-1,2-Dichloroethene	0.07	1	1.1 ^{ab}	0.96ª	0.64ª	0.65ª	0.84ª	0.032	0.022	0.022	0.019	0.021	0.02	0.019	0.034	0.034	0.0078
cis-1,3-Dichloropropene	*	*	ND (0.0025)	ND (0.0025)	ND (0.001)	ND (0.0013)	ND (0.0025)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Cymene (p-Isopropyltoluene) Dibromochloromethane	*	*	ND (0.01) ND (0.0025)	ND (0.01) ND (0.0025)	ND (0.004) ND (0.001)	ND (0.005) ND (0.0013)	ND (0.01) ND (0.0025)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)
Dibromomethane	*	*	ND (0.0025)	ND (0.0025)	ND (0.001)	ND (0.0013)	ND (0.0025)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Dichlorodifluoromethane (CFC-12)	*	*	ND (0.0025)	ND (0.0025)	ND (0.001) UJ	ND (0.0013) UJ	ND (0.0025)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005)
Ethylbenzene	0.7	10	ND (0.0025)	ND (0.0025)	ND (0.001)	ND (0.0013)	ND (0.0025)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Hexachlorobutadiene	0.011 0.83	0.031 10	ND (0.01) ND (0.01)	ND (0.01) ND (0.01)	ND (0.004) ND (0.004)	ND (0.005) ND (0.005)	ND (0.01)	ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)
Isopropyl benzene m&p-Xylene	v.65	*	ND (0.01) ND (0.0025)	ND (0.0025)	ND (0.004) ND (0.001)	ND (0.003) ND (0.0013)	ND (0.01) ND (0.0025)	ND (0.002) ND (0.0005)	ND (0.002)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)
Methylene chloride	0.005	0.38	ND (0.01)	ND (0.01)	ND (0.004)	ND (0.005)	ND (0.01)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002) U	ND (0.002)	0.00022 J
Naphthalene	0.0083	2	ND (0.01)	ND (0.01)	ND (0.004)	ND (0.005)	ND (0.01)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
N-Butylbenzene	*	*	ND (0.01)	ND (0.01)	ND (0.004)	ND (0.005)	ND (0.01)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
N-Propylbenzene	0.31	4.1	ND (0.01)	ND (0.01)	ND (0.004)	ND (0.005)	ND (0.01)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
o-Xylene	*	*	ND (0.0025)	ND (0.0025)	ND (0.001)	ND (0.0013)	ND (0.0025)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Styrene tert-Butylbenzene	0.1	20	ND (0.0025) ND (0.01)	ND (0.0025) ND (0.01)	ND (0.001) ND (0.004)	ND (0.0013) ND (0.005)	ND (0.0025) ND (0.01)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)
Tetrachloroethene	0.005	0.055	0.034 ^a	0.024 ^a	0.0036	0.003	0.051 ^a	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	0.00086
Toluene	1	8.2	0.0005 J	0.0006 J	ND (0.001)	ND (0.0013)	0.0013 J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	0.00062
trans-1,2-Dichloroethene	0.1	2	0.0076	0.0086	0.0078	0.0056	0.006	0.0009	0.00051	0.00061	0.00044 J	0.00051	0.00046 J	0.00048 J	0.00092	0.00093	0.00075
trans-1,3-Dichloropropene	*	*	ND (0.0025)	ND (0.0025)	ND (0.001)	ND (0.0013)	ND (0.0025)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Trichloroethene	0.005	0.0072	0.34 ^{ab}	0.29 ^{ab}	0.071 ^{ab}	0.058 ^{ab}	0.39 ^{ab}	0.00044 J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	0.00015 J	ND (0.0005)	0.00015 J
Trichlorofluoromethane (CFC-11)	*	*	ND (0.0025)	ND (0.0025)	ND (0.001)	ND (0.0013)	ND (0.0025)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Vinyl chloride	0.002	0.004	0.098 ^{ab}	0.11 ^{ab}	0.11 ^{ab}	0.093 ^{ab}	0.1 ^{ab}	0.012 ^{ab}	0.013 ^{ab}	0.013 ^{ab}	0.012 ^{ab}	0.012 ^{ab}	0.013 ^{ab}	0.015 ^{ab}	0.015 ^{ab}	0.014 ^{ab}	0.0023 ^a

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Sample Location: Sample ID: Sample Date:			BW-07 GW-042208-JP-067 4/22/2008	BW-07 GW-042208-JP-068 4/22/2008	BW-07 GW-092208-JP-020 9/22/2008	BW-07 GW-092208-JP-021 9/22/2008	BW-07 GW-120908-JP-025 12/9/2008	BW-07 GW-120908-JP-026 12/9/2008	BW-07 GW-040109-JP-024 4/1/2009	BW-07 GW-070909-JP-016 7/9/2009	BW-07 GW-110309-JP-034 11/3/2009	BW-07A GW-042407-NH-058 4/24/2007	BW-07A GW-110607-NH-027 11/6/2007	BW-07A GW-012908-NH-047 1/29/2008	BW-07A GW-042208-JP-066 4/22/2008	BW-07A GW-092308-JP-027 9/23/2008	BW-07A GW-121608-JP-059 12/16/2008
Sample Type:				(Duplicate)		(Duplicate)		(Duplicate)									
Parameters	IDEM RISC Defa Residential a	ult Closure Levels Industrial h															
Volatile Organic Compounds (mg/L)	-	-															
1,1,1,2-Tetrachloroethane	0.0069	0.11	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)					
1,1,1-Trichloroethane	0.2	29	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)					
1,1,2,2-Tetrachloroethane 1,1,2-Trichloroethane	0.0009 0.005	0.014 0.05	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)					
1.1-Dichloroethane	0.99	10	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)					
1,1-Dichloroethene	0.007	5.1	0.00015 J	0.00017 J	0.00015 J	0.00014 J	0.00014 J	0.00016 J	0.00012 J	0.00017 J	0.00014 J	ND (0.0005)	ND (0.0005)	0.00015 J	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,1-Dichloropropene	*	*	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)					
1,2,3-Trichlorobenzene	*	*	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)					
1,2,3-Trichloropropane	*	*	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)					
1,2,4-Trichlorobenzene	0.07	1	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)					
1,2,4-Trimethylbenzene	0.016	5.1 *	ND (0.002)	ND (0.002) R	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	0.00004 J	0.00004 J
1,2-Dibromo-3-chloropropane (DBCP) 1,2-Dibromoethane (Ethylene dibromide)	0.00005	0.0014	R ND (0.002)	ND (0.002)	ND (0.002) UJ ND (0.002)	ND (0.002) UJ ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	R ND (0.002)	ND (0.002) UJ ND (0.002)	ND (0.002) ND (0.002)
1,2-Dichlorobenzene	0.6	9.2	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)					
1,2-Dichloroethane	0.005	0.031	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)					
1,2-Dichloropropane	0.005	0.042	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)					
1,3,5-Trimethylbenzene	0.016	5.1	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)					
1,3-Dichlorobenzene	0.08	0.31	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)					
1,3-Dichloropropane 1,4-Dichlorobenzene	0.075	* 0.12	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)					
2,2-Dichloropropane	0.075 *	V.12 *	ND (0.0005)	ND (0.0005) ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) ND (0.0005) UJ	ND (0.0005)					
2-Butanone (Methyl ethyl ketone) (MEK)	8.4	61	R	R	R	0.0049 J	R	R	R	R	R	ND (0.02)	ND (0.003)	ND (0.02)	R	R	R
2-Chlorotoluene	*	*	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)					
2-Hexanone	*	*	R	R	ND (0.02) UJ	ND (0.02) UJ	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	R	ND (0.02) UJ	R
2-Phenylbutane (sec-Butylbenzene)	*	*	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)					
4-Chlorotoluene	*	*	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)					
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	2.2	8.2	R	R	R	R	ND (0.02)	ND (0.02)	ND (0.02)	R	R	ND (0.02)	ND (0.02)	ND (0.02)	R	ND (0.02) UJ	R
Acetone	6.9	92	R	R	R	R	ND (0.02)	ND (0.02)	R (0.02)	R	R	ND (0.02)	ND (0.02)	ND (0.02)	R	R (0.02) C)	0.0036 J
Benzene	0.005	0.052	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) U	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	0.00006 J	0.00011 J					
Bromobenzene	*	*	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)					
Bromodichloromethane	0.08	0.08	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)					
Bromoform	0.08 0.011	0.36 0.14	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)					
Bromomethane (Methyl bromide) Carbon disulfide	1.3	10	ND (0.0005) ND (0.0005)	ND (0.0005) UJ ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) 0.00049 J	ND (0.0005) 0.0021	ND (0.0005) ND (0.0005)	ND (0.0005) 0.0028	ND (0.0005) 0.0017	ND (0.0005) 0.00025 J					
Carbon tetrachloride	0.005	0.022	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)					
Chlorobenzene	0.1	2	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)					
Chlorobromomethane	*	*	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)					
Chloroethane	0.062	0.99	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)					
Chloroform (Trichloromethane)	0.08	1	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)					
Chloromethane (Methyl chloride)	0.07		ND (0.0005) U	ND (0.0005) U	ND (0.0005)	ND (0.0005)	ND (0.0005)	0.00008 J	ND (0.0005)	ND (0.0005) U	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) U	ND (0.0005) UJ	ND (0.0005) U
cis-1,2-Dichloroethene cis-1,3-Dichloropropene	0.07	*	0.036 ND (0.0005)	0.036 ND (0.0005)	0.032 ND (0.0005)	0.033 ND (0.0005)	0.038 ND (0.0005)	0.039 ND (0.0005)	0.031 ND (0.0005)	0.035 ND (0.0005)	0.041 ND (0.0005)	0.0069 ND (0.0005)	0.0065 ND (0.0005)	0.044 ND (0.0005)	0.0067 ND (0.0005)	0.002 ND (0.0005)	0.0027 ND (0.0005)
Cymene (p-Isopropyltoluene)	*	*	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.003)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)					
Dibromochloromethane	*	*	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Dibromomethane	*	*	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)					
Dichlorodifluoromethane (CFC-12)	*	*	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)									
Ethylbenzene	0.7	10	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)					
Hexachlorobutadiene Isopropyl benzene	0.011 0.83	0.031 10	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)					
m&p-Xylene	*	*	ND (0.002)	ND (0.002) ND (0.0005)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002) ND (0.0005)	ND (0.002)	0.0001 J	0.00011 J				
Methylene chloride	0.005	0.38	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002) U	ND (0.002)	ND (0.002)	ND (0.002)	0.00037 J	0.00024 J					
Naphthalene	0.0083	2	ND (0.002)	ND (0.002)	ND (0.002) UJ	ND (0.002) UJ	ND (0.002) UJ	ND (0.002) UJ	ND (0.002) U	ND (0.002) U	ND (0.002)	ND (0.002)	0.00059 J	ND (0.002)	0.00031 J	0.00026 J	0.00033 J
N-Butylbenzene	*	*	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)					
N-Propylbenzene	0.31	4.1	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)					
o-Xylene	*	*	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	0.00005 J	0.00005 J					
Styrene tout Butulbonzone	0.1	20	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)					
tert-Butylbenzene Tetrachloroethene			ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)					
Tetrachloroethene Toluene	0.005	0.055 8.2	0.00013 J ND (0.0005)	ND (0.0005) ND (0.0005) U	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) 0.00005 J	ND (0.0005) 0.00005 J	ND (0.0005) ND (0.0005) U	ND (0.0005) ND (0.0005)	0.00007 J 0.001	ND (0.00077) U ND (0.00075) U	0.00055 0.00051	ND (0.0005) ND (0.0005)	0.00086 ND (0.0009) U	0.00028 J ND (0.00097) U	0.0002 J 0.00082
trans-1,2-Dichloroethene	0.1	2	0.0011	0.0011	0.00096	0.0011	0.0003 j	0.0003 j	0.00097	0.0012	0.001	0.00075 J	ND (0.0005)	0.0012	ND (0.0005)	ND (0.00097) U	ND (0.0005)
trans-1,3-Dichloropropene	*	*	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)					
Trichloroethene	0.005	0.0072	ND (0.0005)	ND (0.0005)	0.00009 J	0.00009 J	0.00011 J	0.0001 J	0.00009 J	0.0001 J	0.00012 J	0.00016 J	0.0002 J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Trichlorofluoromethane (CFC-11)	*	*	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)					
Vinyl chloride	0.002	0.004	0.013 ^{ab}	0.013 ^{ab}	0.012 ^{ab}	0.013 ^{ab}	0.015 ^{ab}	0.015 ^{ab}	0.011 ^{ab}	0.013 ^{ab}	0.013 ^{ab}	0.0019	0.0015	0.016 ^{ab}	0.0022 ^a	0.00049 J	0.0007

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Sample Location: Sample ID:			BW-07A GW-040109-JP-026	BW-07A GW-071409-TP-127	BW-07A GW-110309-JP-035	BW-08 GW-102803-MG-051	BW-08 GW-102803-MG-052	BW-08 GW-120704-MG-033	BW-08 GW-080105-TP-030	BW-08 GW-080105-TP-031	BW-08 GW-111605-MG-063	BW-08 GW-021306-MG-037	BW-08 GW-042706-NRS-030	BW-08 GW-041807-NH-031	BW-08 GW-110607-NH-033	BW-08 GW-012308-NH-022	BW-08 GW-041408-JP-026
Sample Date:			4/1/2009	7/14/2009	11/3/2009	10/28/2003	10/28/2003	12/7/2004	8/1/2005	8/1/2005	11/16/2005	2/13/2006	4/27/2006	4/18/2007	11/6/2007	1/23/2008	4/14/2008
Sample Type:							(Duplicate)			(Duplicate)							
Parameters	IDEM RISC Defar Residential a	ult Closure Levels Industrial h															
Volatile Organic Compounds (mg/L)		Ü															
1,1,1,2-Tetrachloroethane	0.0069	0.11	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,1,1-Trichloroethane	0.2	29	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,1,2,2-Tetrachloroethane 1,1,2-Trichloroethane	0.0009 0.005	0.014 0.05	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)
1.1-Dichloroethane	0.99	10	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,1-Dichloroethene	0.007	5.1	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,1-Dichloropropene	*	*	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,2,3-Trichlorobenzene	*	*	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002) UJ	ND (0.002) UJ	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
1,2,3-Trichloropropane	*	*	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,2,4-Trichlorobenzene	0.07	1	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
1,2,4-Trimethylbenzene	0.016	5.1	0.00005 J	0.00007 J	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
1,2-Dibromo-3-chloropropane (DBCP)	0.00005	0.0014	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002) UJ	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	R ND (0.002)
1,2-Dibromoethane (Ethylene dibromide) 1,2-Dichlorobenzene	0.00005	9.2	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)
1,2-Dichloroethane	0.005	0.031	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,2-Dichloropropane	0.005	0.042	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,3,5-Trimethylbenzene	0.016	5.1	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
1,3-Dichlorobenzene	0.08	0.31	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,3-Dichloropropane	*	*	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,4-Dichlorobenzene 2,2-Dichloropropane	0.075	0.12	ND (0.0005) ND (0.0005) UJ	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005) UJ	ND (0.0005) ND (0.0005) UJ	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005) UJ	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)
2-Butanone (Methyl ethyl ketone) (MEK)	8.4	61	R (0.0003) C)	RD (0.0003)	R (0.0003)	ND (0.003) C)	ND (0.003) C)	ND (0.0003) ND (0.02) UJ	ND (0.0003)	ND (0.0003) ND (0.02) UJ	ND (0.0003) ND (0.02) UJ	ND (0.003) UJ	ND (0.003) ND (0.02) UJ	ND (0.003)	ND (0.003)	ND (0.003)	R (0.0003)
2-Chlorotoluene	*	*	ND (0.002)	ND (0.002) UJ	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
2-Hexanone	*	*	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02) ÚJ	ND (0.02) ÚJ	ND (0.02) ÚJ	ND (0.02) ÚJ	ND (0.02) ÚJ	ND (0.02) ÚJ	ND (0.02)	ND (0.02)	ND (0.02)	R
2-Phenylbutane (sec-Butylbenzene)	*	*	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002) UJ	ND (0.002) UJ	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
4-Chlorotoluene	*	*	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	2.2	0.2	NID (0.02)	R	R	NID (0.02)	NID (0.02)	NID (0.02)	NID (0.02)	NID (0.00)	NID (0.02) III	NID (0.02) I II	NID (0.02) III	NID (0.02)	NID (0.02)	NID (0.02)	R
Acetone (Wethyl Isobutyl Retolle) (WIBR)	2.2 6.9	8.2 92	ND (0.02) 0.005 J	0.0043 J	R R	ND (0.02) ND (0.02) UJ	ND (0.02) ND (0.02) UJ	ND (0.02) ND (0.02) UJ	ND (0.02) ND (0.02) UJ	ND (0.02) ND (0.02) UJ	ND (0.02) UJ ND (0.02) UJ	ND (0.02) UJ ND (0.02) UJ	ND (0.02) UJ ND (0.02) UJ	ND (0.02) ND (0.02)	ND (0.02) ND (0.02)	ND (0.02) ND (0.02)	R R
Benzene	0.005	0.052	0.00006 J	0.00013 J	ND (0.0005) U	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.005)	ND (0.005)	ND (0.0005)	ND (0.0005)
Bromobenzene	*	*	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
Bromodichloromethane	0.08	0.08	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Bromoform	0.08	0.36	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Bromomethane (Methyl bromide)	0.011	0.14	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ	ND (0.0005) UJ	ND (0.0005)	ND (0.0005) UJ	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)
Carbon disulfide Carbon tetrachloride	1.3 0.005	10 0.022	ND (0.0005) U ND (0.0005)	0.00051 ND (0.0005)	ND (0.0005) U ND (0.0005)	ND (0.0005) UJ ND (0.0005)	ND (0.0005) UJ ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)
Chlorobenzene	0.003	2	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Chlorobromomethane	*	*	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Chloroethane	0.062	0.99	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Chloroform (Trichloromethane)	0.08	1	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Chloromethane (Methyl chloride)	*	*	ND (0.0005)	ND (0.0005) U	0.00012 J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
cis-1,2-Dichloroethene	0.07	1	0.0027	0.0027	0.0022	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
cis-1,3-Dichloropropene	*	*	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Cymene (p-Isopropyltoluene) Dibromochloromethane	*	*	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)
Dibromomethane	*	*	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Dichlorodifluoromethane (CFC-12)	*	*	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Ethylbenzene	0.7	10	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Hexachlorobutadiene	0.011	0.031	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
Isopropyl benzene	0.83	10	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
m&p-Xylene			0.00012 J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Methylene chloride	0.005	0.38	ND (0.002)	0.00024 J	0.0002 J	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
Naphthalene N-Butylbenzene	0.0083	*	ND (0.002) U ND (0.002)	0.00067 J ND (0.002)	0.0003 J ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)
N-Propylbenzene	0.31	4.1	ND (0.002)	ND (0.002) UJ	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
o-Xylene	*	*	0.00005 J	ND (0.0005)	ND (0.0005)	ND (0.005)	ND (0.005)	ND (0.0005)	ND (0.0005)	ND (0.002)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.002)	ND (0.0005)
Styrene	0.1	20	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
tert-Butylbenzene	*	*	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
Tetrachloroethene	0.005	0.055	0.00035 J	0.00007 J	0.00007 J	ND (0.0005)	ND (0.0005)	0.00024 J	ND (0.0005) U	ND (0.0005) U	0.00013 J	0.00016 J	ND (0.0005)	ND (0.0005)	ND (0.0005)	0.0002 J	0.00022 J
Toluene	1	8.2	ND (0.0011) U	0.00086	0.00078	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) U
trans-1,2-Dichloroethene	0.1	2	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
trans-1,3-Dichloropropene	0.005	0.0070	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Trichloroethene Trichlorofluoromethane (CFC-11)	0.005	0.0072	0.00009 J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Vinyl chloride	0.002	0.004	ND (0.0005) 0.00074	ND (0.0005) 0.00079	ND (0.0005) UJ 0.00054	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)
v myr chioride	0.002	0.004	0.000/4	0.00079	0.00034	1412 (0.0003)	1412 (0.0003)	142 (0.0003)	1412 (0.0003)	142 (0.0003)	1412 (0.0003)	1412 (0.0003)	1412 (0.0003)	1412 (0.0003)	1412 (0.0003)	110 (0.0000)	1412 (0.0003)

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Sample Location:			BW-08	BW-08	BW-08	BW-08	BW-08	BW-09	BW-09	BW-09	BW-09	BW-09	BW-09	BW-09	BW-09	BW-09	BW-09
Sample ID: Sample Date:			GW-092508-JP-053 9/25/2008	GW-121508-JP-053 12/15/2008	GW-040609-JP-045 4/6/2009	GW-070909-JP-019 7/9/2009	GW-102909-JP-023 10/29/2009	GW-102603-MG-035 10/26/2003	GW-120604-MG-025 12/6/2004	6W-080405-TP-055 8/4/2005	GW-111405-MG-044 11/14/2005	GW-021006-MG-033 2/10/2006	GW-050206-NRS-045 5/2/2006	4/16/2007	GW-110607-NH-035 11/6/2007	GW-013008-NH-053 1/30/2008	GW-040908-JP-012 4/9/2008
Sample Type:			-,,	-4-4	4.4=	,,,	-4-4	-4-4	, -,	4,4=	,,	4-4	4,4,=	4-4	, -,	4-4	4-4
Parameters	IDEM RISC Defai Residential	Industrial															
Volatile Organic Compounds (mg/L)	а	b															
1,1,1,2-Tetrachloroethane	0.0069	0.11	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0013)	ND (0.005)	ND (0.0025)	ND (0.005)	ND (0.0025)	ND (0.005)				
1,1,1-Trichloroethane	0.2	29	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0013)	ND (0.005)	ND (0.0025)	ND (0.005)	ND (0.0025)	ND (0.005)				
1,1,2,2-Tetrachloroethane	0.0009 0.005	0.014 0.05	ND (0.0005) UJ ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0013) ND (0.0013)	ND (0.005) ND (0.005)	ND (0.005) ND (0.005)	ND (0.005) ND (0.005)	ND (0.005)	ND (0.005) ND (0.005)	ND (0.0025) ND (0.0025)	ND (0.005) ND (0.005)	ND (0.0025) ND (0.0025)	ND (0.005)
1,1,2-Trichloroethane 1,1-Dichloroethane	0.005	10	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0013) ND (0.0013)	ND (0.005) ND (0.005)	ND (0.0025) ND (0.0025)	ND (0.005) ND (0.005)	ND (0.0025) ND (0.0025)	ND (0.005) ND (0.005)				
1,1-Dichloroethene	0.007	5.1	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	0.0026	0.0062	0.007	0.0062	0.0076 ^a	0.0064	0.0045	0.0061	0.0053	0.0041 J
1,1-Dichloropropene	*	*	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0013)	ND (0.005)	ND (0.0025)	ND (0.005)	ND (0.0025)	ND (0.005)				
1,2,3-Trichlorobenzene	*	*	ND (0.002) UJ	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.005)	ND (0.02)	ND (0.01)	ND (0.02)	ND (0.01)	ND (0.02)				
1,2,3-Trichloropropane	*	*	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0013)	ND (0.005)	ND (0.0025)	ND (0.005)	ND (0.0025)	ND (0.005)				
1,2,4-Trichlorobenzene 1,2,4-Trimethylbenzene	0.07 0.016	1 5.1	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.005) ND (0.005)	ND (0.02) ND (0.02)	ND (0.01) 0.0012 J	ND (0.02) ND (0.02)	ND (0.01) 0.0009 J	ND (0.02) ND (0.02)				
1,2-Dibromo-3-chloropropane (DBCP)	*	*	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.005)	ND (0.02)	ND (0.01)	ND (0.02)	ND (0.01)	R (0.02)				
1,2-Dibromoethane (Ethylene dibromide)		0.0014	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.005)	ND (0.02)	ND (0.01)	ND (0.02)	ND (0.01)	ND (0.02)				
1,2-Dichlorobenzene	0.6	9.2	ND (0.0005)	ND (0.0005)	ND (0.0005) U	ND (0.0005)	ND (0.0005)	ND (0.0013)	ND (0.005)	ND (0.0025)	ND (0.005)	ND (0.0025)	ND (0.005)				
1,2-Dichloroethane 1,2-Dichloropropane	0.005 0.005	0.031 0.042	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0013) ND (0.0013)	ND (0.005) ND (0.005)	ND (0.0025) ND (0.0025)	ND (0.005) ND (0.005)	ND (0.0025) ND (0.0025)	ND (0.005) ND (0.005)				
1,3,5-Trimethylbenzene	0.016	5.1	ND (0.0003)	ND (0.002)	ND (0.0003) ND (0.002)	ND (0.003)	ND (0.003) ND (0.002)	ND (0.0013) ND (0.005)	ND (0.003)	ND (0.003) ND (0.02)	ND (0.003) ND (0.02)	ND (0.003) ND (0.02)	ND (0.003) ND (0.02)	ND (0.0023) ND (0.01)	ND (0.003) ND (0.02)	ND (0.0023) ND (0.01)	ND (0.003) ND (0.02)
1,3-Dichlorobenzene	0.08	0.31	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0013)	ND (0.005)	ND (0.0025)	ND (0.005)	ND (0.0025)	ND (0.005)				
1,3-Dichloropropane	*	*	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0013)	ND (0.005)	ND (0.0025)	ND (0.005)	ND (0.0025)	ND (0.005)				
1,4-Dichlorobenzene 2,2-Dichloropropane	0.075	0.12	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) U ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0013) ND (0.0013)	ND (0.005) ND (0.005)	ND (0.005) ND (0.005)	ND (0.005) ND (0.005) UJ	ND (0.005) ND (0.005) UJ	ND (0.005) ND (0.005)	ND (0.0025) ND (0.0025)	ND (0.005) ND (0.005)	ND (0.0025) ND (0.0025)	ND (0.005) ND (0.005)
2-Butanone (Methyl ethyl ketone) (MEK)		61	R (0.0003)	R (0.0003)	R (0.0003)	R (0.0003)	R (0.0003)	ND (0.0013)	ND (0.2) UJ	ND (0.005)	ND (0.003) UJ	ND (0.003) UJ	ND (0.003) ND (0.2) UJ	ND (0.0025)	ND (0.003)	ND (0.0023)	R (0.005)
2-Chlorotoluene	*	*	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.005)	ND (0.02)	ND (0.01)	ND (0.02)	ND (0.01)	ND (0.02)				
2-Hexanone	*	*	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.05)	ND (0.2) UJ	ND (0.2) UJ	ND (0.2) UJ	ND (0.2) UJ	ND (0.2)	ND (0.1)	ND (0.2)	ND (0.1)	R
2-Phenylbutane (sec-Butylbenzene) 4-Chlorotoluene	*	*	ND (0.002) ND (0.002)	ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002)	ND (0.005)	ND (0.02)	ND (0.02)	ND (0.02) ND (0.02)	ND (0.02) ND (0.02)	ND (0.02) ND (0.02)	ND (0.01)	ND (0.02)	ND (0.01)	ND (0.02)
4-Methyl-2-pentanone			ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.005)	ND (0.02)	ND (0.01)	ND (0.02)	ND (0.01)	ND (0.02)				
(Methyl isobutyl ketone) (MIBK)	2.2	8.2	R	R	R	R	R	ND (0.05)	ND (0.2)	ND (0.2)	ND (0.2) UJ	ND (0.2) UJ	ND (0.2) UJ	ND (0.1)	ND (0.2)	ND (0.1)	ND (0.2)
Acetone	6.9	92	R	R	R	R	R	ND (0.05)	ND (0.2) UJ	ND (0.1)	ND (0.2)	ND (0.1)	R				
Benzene Bromohomono	0.005	0.052	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) U ND (0.002)	ND (0.0013)	ND (0.005)	ND (0.0025)	ND (0.005)	ND (0.0025)	ND (0.005)				
Bromobenzene Bromodichloromethane	0.08	0.08	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.005) ND (0.0013)	ND (0.02) ND (0.005)	ND (0.01) ND (0.0025)	ND (0.02) ND (0.005)	ND (0.01) ND (0.0025)	ND (0.02) ND (0.005)				
Bromoform	0.08	0.36	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0013)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005) UJ	ND (0.0025)	ND (0.005)	ND (0.0025)	ND (0.005)
Bromomethane (Methyl bromide)	0.011	0.14	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0013)	ND (0.005)	ND (0.005)	ND (0.005) UJ	ND (0.005)	ND (0.005)	ND (0.0025)	ND (0.005)	ND (0.0025)	ND (0.005) UJ
Carbon disulfide	1.3 0.005	10	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0013)	ND (0.005)	ND (0.0025)	ND (0.005)	ND (0.0025)	ND (0.005)				
Carbon tetrachloride Chlorobenzene	0.005	0.022 2	ND (0.0005) UJ ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) 0.00013 J	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0013) ND (0.0013)	ND (0.005) ND (0.005)	ND (0.005) ND (0.005)	ND (0.005) UJ ND (0.005)	ND (0.005) ND (0.005)	ND (0.005) UJ ND (0.005)	ND (0.0025) ND (0.0025)	ND (0.005) ND (0.005)	ND (0.0025) ND (0.0025)	ND (0.005) ND (0.005)
Chlorobromomethane	*	*	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0013)	ND (0.005)	ND (0.0025)	ND (0.005)	ND (0.0025)	ND (0.005)				
Chloroethane	0.062	0.99	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0013)	ND (0.005)	ND (0.0025)	ND (0.005)	ND (0.0025)	ND (0.005)				
Chloroform (Trichloromethane) Chloromethane (Methyl chloride)	0.08	1	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0013)	ND (0.005)	ND (0.0025)	ND (0.005)	ND (0.0025)	ND (0.005)				
cis-1,2-Dichloroethene	0.07	1	0.00007 J ND (0.0005)	ND (0.0005) U ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) U ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0013) 0.88 ^a	ND (0.005) 2.7 ^{ab}	ND (0.005) 3.1 ^{ab}	ND (0.005) 2.8 ^{ab}	ND (0.005) 3.3 ^{ab}	ND (0.005) 2.4 ^{ab}	ND (0.0025) 1.5 ^{ab}	ND (0.005) 2.1 ^{ab}	ND (0.0025) 2.2 J ^{ab}	ND (0.005) 1.6 ^{ab}
cis-1,3-Dichloropropene	*	*	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0013)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005) UJ	ND (0.005)	ND (0.0025)	ND (0.005)	ND (0.0025)	ND (0.005)
Cymene (p-Isopropyltoluene)	*	*	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.005)	ND (0.02)	ND (0.01)	ND (0.02)	ND (0.01)	ND (0.02)				
Dibromochloromethane	*	*	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0013)	ND (0.005)	ND (0.0025)	ND (0.005)	ND (0.0025)	ND (0.005)				
Dibromomethane Dichlorodifluoromethane (CFC-12)	*	*	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0013)	ND (0.005)	ND (0.005) ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005) ND (0.005)	ND (0.0025)	ND (0.005)	ND (0.0025)	ND (0.005)
Ethylbenzene	0.7	10	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) UJ ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0013) ND (0.0013)	ND (0.005) ND (0.005)	ND (0.0025) UJ ND (0.0025)	ND (0.005) ND (0.005)	ND (0.0025) ND (0.0025)	ND (0.005) ND (0.005)				
Hexachlorobutadiene	0.011	0.031	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.005)	ND (0.02)	ND (0.01)	ND (0.02)	ND (0.01)	ND (0.02)				
Isopropyl benzene	0.83	10	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.005)	ND (0.02)	ND (0.01)	ND (0.02)	ND (0.01)	ND (0.02)				
m&p-Xylene	*	*	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0013)	ND (0.005)	ND (0.0025)	ND (0.005)	ND (0.0025)	ND (0.005)				
Methylene chloride	0.005	0.38	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.005)	ND (0.02)	ND (0.02) U	ND (0.02)	0.012 J ^a	0.0027 J	ND (0.01) U	ND (0.02)	ND (0.01)	0.0021 J
Naphthalene N-Butylbenzene	0.0083	2 *	ND (0.002) UJ ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) UJ ND (0.002)	ND (0.002) U ND (0.002)	ND (0.002) ND (0.002)	ND (0.005) ND (0.005)	ND (0.02) ND (0.02)	ND (0.02) ND (0.02)	ND (0.02) UJ ND (0.02)	ND (0.02) ND (0.02)	ND (0.02) ND (0.02)	ND (0.01) ND (0.01)	ND (0.02) ND (0.02)	ND (0.01) ND (0.01)	ND (0.02) ND (0.02)
N-Propylbenzene	0.31	4.1	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.005)	ND (0.02)	ND (0.01)	ND (0.02)	ND (0.01)	ND (0.02)				
o-Xylene	*	*	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0013)	ND (0.005)	ND (0.0025)	ND (0.005)	ND (0.0025)	ND (0.005)				
Styrene	0.1	20	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0013)	ND (0.005)	ND (0.0025)	ND (0.005)	ND (0.0025)	ND (0.005)				
tert-Butylbenzene			ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.005)	ND (0.02) 2 ^{ab}	ND (0.02) 1 ^{ab}	ND (0.02) 2.2 ^{ab}	ND (0.02) 1.8 ^{ab}	ND (0.02) 1.5 ^{ab}	ND (0.01) 0.77 ^{ab}	ND (0.02) 0.79 ^{ab}	ND (0.01) 0.9 ^{ab}	ND (0.02) 0.47 ^{ab}
Tetrachloroethene Toluene	0.005 1	0.055 8.2	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) 0.00026 J	ND (0.0005) ND (0.0005)	ND (0.0005) 0.00059	0.0018 ND (0.0013)	0.0013 J	0.0018 J	0.0014 J	0.0013 J	ND (0.005)	ND (0.0025)	ND (0.005)	ND (0.0025) U	ND (0.005)
trans-1,2-Dichloroethene	0.1	2	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	0.0086	0.0067	0.0013)	0.0014 J 0.0041 J	0.0013)	0.0057	0.0035	0.0058	0.0047 J	0.004 J
trans-1,3-Dichloropropene	*	*	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0013)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005) UJ	ND (0.005)	ND (0.0025)	ND (0.005)	ND (0.0025)	ND (0.005)
Trichloroethene	0.005	0.0072	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	0.011 ^{ab}	2.5 ^{ab}	1.2 ^{ab}	4.3 ^{ab}	3.6 ^{ab}	2.1 ^{ab}	0.76 ^{ab}	1.1 ^{ab}	1.3 ^{ab}	0.43 ^{ab}
Trichlorofluoromethane (CFC-11)	*	*	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ	ND (0.0013)	ND (0.005)	ND (0.0025)	ND (0.005)	ND (0.0025)	ND (0.005)				
Vinyl chloride	0.002	0.004	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	0.033 ^{ab}	ND (0.005)	0.0047 J ^{ab}	0.0065 ^{ab}	0.021 ^{ab}	0.051 ^{ab}	0.099 ^{ab}	0.076 ^{ab}	0.073 ^{ab}	0.087 ^{ab}

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Sample Location: Sample ID:			BW-09 GW-092408-IP-044	BW-09 GW-121608-JP-060	BW-09 GW-040309-JP-042	BW-09 GW-040309-JP-043	BW-09 GW-071509-TP-137	BW-09 GW-110509-JP-053	BW-10 GW-102703-MG-050	BW-10 GW-120704-MG-038	BW-10 GW-072505-TP-005	BW-10 GW-111605-MG-062	BW-10 GW-021706-MG-065	BW-10	BW-10 GW-041107-NH-006	BW-10 GW-110707-NH-041	BW-10 GW-012508-NH-040
Sample Date:			9/24/2008	12/16/2008	4/3/2009	4/3/2009	7/15/2009	11/5/2009	10/27/2003	12/7/2004	7/25/2005	11/16/2005	2/17/2006	4/27/2006	4/11/2007	11/7/2007	1/25/2008
Sample Type:						(Duplicate)											
P		ult Closure Levels	;														
Parameters	Residential a	Industrial h															
Volatile Organic Compounds (mg/L)		Ü															
1,1,1,2-Tetrachloroethane	0.0069	0.11	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)				
1,1,1-Trichloroethane	0.2	29	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,1,2,2-Tetrachloroethane 1,1,2-Trichloroethane	0.0009 0.005	0.014 0.05	ND (0.005) ND (0.005)	ND (0.005) ND (0.005)	ND (0.005) ND (0.005)	ND (0.005) ND (0.005)	ND (0.005) ND (0.005)	ND (0.005) ND (0.005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)
1,1-Dichloroethane	0.99	10	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,1-Dichloroethene	0.007	5.1	0.0042 J	0.0076 ^a	0.0058	0.0054	0.005	0.0055	0.00016 J	0.00016 J	0.00017 J	0.00016 J	0.00016 J	0.00019 J	0.0002 J	0.00023 J	0.00029 J
1,1-Dichloropropene	*	*	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,2,3-Trichlorobenzene	*	*	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02) UJ	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
1,2,3-Trichloropropane	*	*	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,2,4-Trichlorobenzene	0.07	1	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02) UJ	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
1,2,4-Trimethylbenzene 1,2-Dibromo-3-chloropropane (DBCP)	0.016	5.1 *	0.0008 J ND (0.02) UJ	0.0011 J ND (0.02)	0.0009 J R	0.001 J R	0.001 J R	0.0007 J ND (0.02) UJ	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)
1,2-Dibromoethane (Ethylene dibromide)	0.00005	0.0014	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
1,2-Dichlorobenzene	0.6	9.2	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,2-Dichloroethane	0.005	0.031	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,2-Dichloropropane	0.005	0.042	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,3,5-Trimethylbenzene 1,3-Dichlorobenzene	0.016 0.08	5.1 0.31	ND (0.02) ND (0.005)	0.0005 J ND (0.005)	0.0005 J ND (0.005)	ND (0.02) ND (0.005)	ND (0.02) ND (0.005)	ND (0.02) ND (0.005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)
1,3-Dichloropropane	*	*	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,4-Dichlorobenzene	0.075	0.12	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
2,2-Dichloropropane	*	*	ND (0.005) UJ	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
2-Butanone (Methyl ethyl ketone) (MEK)	8.4	61	R	R	R	R	R	R	ND (0.02)	ND (0.02) UJ	ND (0.02)	ND (0.02)	ND (0.02)				
2-Chlorotoluene 2-Hexanone	*	*	ND (0.02) ND (0.2)	ND (0.02) ND (0.2)	ND (0.02) R	ND (0.02) R	ND (0.02) R	ND (0.02) R	ND (0.002) ND (0.02)	ND (0.002) ND (0.02) UJ	ND (0.002) ND (0.02)	ND (0.002) ND (0.02)	ND (0.002) ND (0.02)				
2-Phenylbutane (sec-Butylbenzene)	*	*	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.002)	ND (0.02)	ND (0.02)	ND (0.002)				
4-Chlorotoluene	*	*	ND (0.02)	ND (0.02)	ND (0.02) UJ	ND (0.02) UJ	ND (0.02)	ND (0.02)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
4-Methyl-2-pentanone																	
(Methyl isobutyl ketone) (MIBK)	2.2	8.2	ND (0.2)	R	R	R	R	ND (0.2)	ND (0.02)	ND (0.02)	ND (0.02) UJ	ND (0.02) UJ	ND (0.02)	ND (0.02) UJ	ND (0.02)	ND (0.02)	ND (0.02)
Acetone Benzene	6.9 0.005	92 0.052	ND (0.005)	R ND (0.005)	R ND (0.005)	R ND (0.005)	R ND (0.005)	R ND (0.005)	ND (0.02) ND (0.0005)	ND (0.02) UJ ND (0.0005)	ND (0.02) UJ ND (0.0005)	ND (0.02) UJ ND (0.0005)	ND (0.02) UJ ND (0.0005)	ND (0.02) UJ ND (0.0005)	ND (0.02) ND (0.0005)	ND (0.02) ND (0.0005)	ND (0.02) ND (0.0005)
Bromobenzene	*	*	ND (0.003) ND (0.02)	ND (0.003)	ND (0.003)	ND (0.003)	ND (0.003)	ND (0.003)	ND (0.0003)	ND (0.002)	ND (0.0003)	ND (0.002)	ND (0.003)	ND (0.0003)	ND (0.0003)	ND (0.003)	ND (0.0003)
Bromodichloromethane	0.08	0.08	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Bromoform	0.08	0.36	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Bromomethane (Methyl bromide)	0.011	0.14	ND (0.005) UJ	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005)
Carbon disulfide Carbon tetrachloride	1.3 0.005	10 0.022	ND (0.005) UJ ND (0.005)	ND (0.005) UJ ND (0.005)	ND (0.005) ND (0.005)	ND (0.005) ND (0.005)	ND (0.005) ND (0.005)	ND (0.005) UJ ND (0.005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)
Chlorobenzene	0.1	2	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Chlorobromomethane	*	*	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Chloroethane	0.062	0.99	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Chloroform (Trichloromethane)	0.08	1	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Chloromethane (Methyl chloride)	0.07	-1	ND (0.005) 1.6 ^{ab}	ND (0.005) 2.3 ^{ab}	ND (0.005) 1.9 ^{ab}	ND (0.005) 2 ^{ab}	ND (0.005) 2 ^{ab}	ND (0.005) 1.8 ^{ab}	ND (0.0005)	ND (0.0005) 0.03	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) 0.037	ND (0.0005)	ND (0.0005)	ND (0.0005)
cis-1,2-Dichloroethene cis-1,3-Dichloropropene	V.U/ *	*	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	0.028 ND (0.0005) UJ	ND (0.0005)	0.029 ND (0.0005)	0.032 ND (0.0005)	0.037 ND (0.0005)	ND (0.0005)	0.04 ND (0.0005)	0.041 ND (0.0005)	0.058 J ND (0.0005)
Cymene (p-Isopropyltoluene)	*	*	ND (0.003) ND (0.02)	ND (0.003)	ND (0.003)	ND (0.003)	ND (0.003)	ND (0.003)	ND (0.003) (0)	ND (0.0003)	ND (0.0003)	ND (0.0003)	ND (0.0003)	ND (0.002)	ND (0.0003)	ND (0.002)	ND (0.0003)
Dibromochloromethane	*	*	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Dibromomethane	*	*	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Dichlorodifluoromethane (CFC-12) Ethylbenzene	* 0.7	* 10	ND (0.005) ND (0.005)	ND (0.005)	ND (0.005) ND (0.005)	ND (0.005) ND (0.005)	ND (0.005) UJ	ND (0.005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) UJ	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) UJ ND (0.0005)
Hexachlorobutadiene	0.7	0.031	ND (0.005) ND (0.02)	ND (0.005) ND (0.02)	ND (0.005) ND (0.02)	ND (0.005) ND (0.02)	ND (0.005) ND (0.02)	ND (0.005) ND (0.02)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)
Isopropyl benzene	0.83	10	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
m&p-Xylene	*	*	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Methylene chloride	0.005	0.38	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
Naphthalene	0.0083	2	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02) UJ	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
N-Butylbenzene	*	* 4.1	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
N-Propylbenzene o-Xylene	0.31	4.1 *	ND (0.02) ND (0.005)	ND (0.02) ND (0.005)	ND (0.02) ND (0.005)	ND (0.02) ND (0.005)	ND (0.02) ND (0.005)	ND (0.02) ND (0.005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)
Styrene	0.1	20	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
tert-Butylbenzene	*	*	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
Tetrachloroethene	0.005	0.055	0.62 ^{ab}	0.72 ^{ab}	0.66 ^{ab}	0.67 ^{ab}	0.49 ^{ab}	0.66 ^{ab}	ND (0.0005)	0.0002 J	ND (0.0005)	ND (0.0005)	0.00014 J	0.00013 J	0.00014 J	ND (0.0005)	0.00019 J
Toluene	1	8.2	ND (0.005)	0.0006 J	ND (0.005) U	ND (0.005) U	ND (0.005)	0.0007 J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
trans-1,2-Dichloroethene	0.1	2	0.005	0.0075	0.0043 J	0.0049 J	0.0055	0.0052	0.0012	0.0014 NID (0.000E)	0.0014	0.0014	0.0017	0.0018	0.002	0.0024	0.0031 J
trans-1,3-Dichloropropene	0.005		ND (0.005) 0.57 ^{ab}	ND (0.005) 0.92 ^{ab}	ND (0.005) 0.9 ^{ab}	ND (0.005) 0.96 ^{ab}	ND (0.005) 0.52 ^{ab}	ND (0.005) UJ 0.77 ^{ab}	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Trichloroethene Trichlorofluoromethane (CFC-11)	0.005	0.0072	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	0.0013 ND (0.0005)	0.0011 ND (0.0005)	0.0011 ND (0.0005)	0.0011 ND (0.0005)	0.001 ND (0.0005) UJ	0.0011 ND (0.0005)	0.0012 ND (0.0005)	0.0013 ND (0.0005)	0.0021 ND (0.0005)
Vinyl chloride	0.002	0.004	0.094 ^{ab}	0.093 ^{ab}	0.079 ^{ab}	0.086 ^{ab}	0.1 ^{ab}	0.086 ^{ab}	0.0018	0.0022 ^a	0.0024 ^a	0.0024 ^a	0.0033 ^a	0.004 ^a	0.0035 ^a	0.0036 ^a	0.0045 ^{ab}
	0.002	100.1			1	1	· · · ·		1 0.5010		1	1			1		

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Sample Location: Sample ID: Sample Date:			BW-10 GW-041108-JP-023 4/11/2008	BW-10 GW-092508-JP-051 9/25/2008	BW-10 GW-120908-JP-028 12/9/2008	BW-10 GW-040709-JP-051 4/7/2009	BW-10 GW-071009-JP-022 7/10/2009	BW-10 GW-102909-JP-018 10/29/2009	BW-11 GW-120904-MG-049 12/9/2004	BW-11 GW-080205-TP-042 8/2/2005	BW-11 GW-111705-MG-075 11/17/2005	BW-11 6 GW-022006-MG-075 2/20/2006	BW-11 GW-050306-NRS-058 5/3/2006	BW-11 GW-041307-NH-018 4/13/2007	BW-11 GW-110807-NH-049 11/8/2007	BW-11 GW-013108-NH-062 1/31/2008	BW-11 GW-041508-JP-030 4/15/2008
Sample Type:	IDEM RISC Defai	ılt Closure Levels															
Parameters	Residential	Industrial															
Volatile Organic Compounds (mg/L)	а	b															
1,1,1,2-Tetrachloroethane	0.0069	0.11	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,1,1-Trichloroethane	0.2	29	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,1,2,2-Tetrachloroethane 1,1,2-Trichloroethane	0.0009 0.005	0.014 0.05	ND (0.0005) ND (0.0005)	ND (0.0005) UJ ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)
1,1-Dichloroethane	0.99	10	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,1-Dichloroethene	0.007	5.1	ND (0.0005)	0.00026 J	0.00022 J	0.00022 J	0.00026 J	0.00021 J	0.0009	0.00095	0.00098	0.00088	0.001	0.00098	0.00093	0.00087	0.00091
1,1-Dichloropropene	*	*	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,2,3-Trichlorobenzene	*	*	ND (0.002)	ND (0.002) UJ	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
1,2,3-Trichloropropane	*	*	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,2,4-Trichlorobenzene	0.07 0.016	1 5.1	ND (0.002)	ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
1,2,4-Trimethylbenzene 1,2-Dibromo-3-chloropropane (DBCP)	0.016 *	3.1 *	ND (0.002) R	ND (0.002) ND (0.002) UJ	ND (0.002) ND (0.002)	ND (0.002)	ND (0.002) R	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002) UJ	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) R
1,2-Dibromoethane (Ethylene dibromide)	0.00005	0.0014	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
1,2-Dichlorobenzene	0.6	9.2	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,2-Dichloroethane	0.005	0.031	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,2-Dichloropropane	0.005	0.042	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,3,5-Trimethylbenzene 1,3-Dichlorobenzene	0.016 0.08	5.1 0.31	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)
1,3-Dichloropenzene	*	v.31 *	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) ND (0.0005)
1,4-Dichlorobenzene	0.075	0.12	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
2,2-Dichloropropane	*	*	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
2-Butanone (Methyl ethyl ketone) (MEK)	8.4	61	R	R	R	R	R	R	ND (0.02) UJ	ND (0.02) UJ	ND (0.02) UJ	ND (0.02) UJ	ND (0.02) UJ	ND (0.02) UJ	ND (0.02)	ND (0.02)	R
2-Chlorotoluene 2-Hexanone	*	*	ND (0.002) R	ND (0.002) ND (0.02)	ND (0.002) ND (0.02)	ND (0.002) ND (0.02)	ND (0.002) R	ND (0.002) ND (0.02)	ND (0.002) ND (0.02) UJ	ND (0.002) ND (0.02) UJ	ND (0.002) ND (0.02) UJ	ND (0.002) ND (0.02) UJ	ND (0.002) ND (0.02) UJ	ND (0.002) ND (0.02)	ND (0.002) ND (0.02)	ND (0.002) ND (0.02)	ND (0.002) R
2-Phenylbutane (sec-Butylbenzene)	*	*	ND (0.002)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.002)	ND (0.02)	ND (0.002)	ND (0.02) C)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.002)
4-Chlorotoluene	*	*	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
4-Methyl-2-pentanone																	
(Methyl isobutyl ketone) (MIBK)	2.2	8.2	ND (0.02)	R	ND (0.02)	R	R	R	ND (0.02)	ND (0.02)	ND (0.02) UJ	ND (0.02)	ND (0.02) UJ	ND (0.02)	ND (0.02)	ND (0.02)	R
Acetone	6.9 0.005	92 0.052	R ND (0.0005)	R	ND (0.02)	R NID (0.000E)	R ND (0.0005)	R	ND (0.02) UJ	ND (0.02) UJ	ND (0.02) UJ	ND (0.02) UJ	ND (0.02) UJ	ND (0.02)	ND (0.02)	ND (0.02)	R NID (0.000E)
Benzene Bromobenzene	0.005 *	0.052 *	ND (0.0005)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) U ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)
Bromodichloromethane	0.08	0.08	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Bromoform	0.08	0.36	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Bromomethane (Methyl bromide)	0.011	0.14	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005)
Carbon disulfide	1.3 0.005	10 0.022	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005)
Carbon tetrachloride Chlorobenzene	0.005	0.022	ND (0.0005) ND (0.0005)	ND (0.0005) UJ ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) UJ ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)
Chlorobromomethane	*	*	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Chloroethane	0.062	0.99	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Chloroform (Trichloromethane)	0.08	1	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Chloromethane (Methyl chloride)	*	*	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) U	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
cis-1,2-Dichloroethene	0.07	1	0.032	0.042	0.041	0.048	0.043	0.043	0.17 ^a	0.16 ^a	0.18 ^a	0.18 ^a	0.18 ^a	0.17 ^a	0.16 ^a	0.16 ^a	0.15 ^a
cis-1,3-Dichloropropene Cymene (p-Isopropyltoluene)	*	*	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)
Dibromochloromethane	*	*	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.005)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
Dibromomethane	*	*	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Dichlorodifluoromethane (CFC-12)	*	*	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005)
Ethylbenzene	0.7	10	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Hexachlorobutadiene Isopropyl benzene	0.011 0.83	0.031 10	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) UJ ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)
m&p-Xylene	*	*	ND (0.005)	ND (0.0005)	ND (0.002)	ND (0.0005)	ND (0.002)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.002)	0.00023 J	ND (0.0005)				
Methylene chloride	0.005	0.38	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
Naphthalene	0.0083	2	0.00046 J	ND (0.002) UJ	ND (0.002) UJ	ND (0.002) UJ	ND (0.002) U	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
N-Butylbenzene	*	*	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
N-Propylbenzene	0.31	4.1	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
o-Xylene Styrene	0.1	20	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)
tert-Butylbenzene	*	*	ND (0.003)	ND (0.0003) ND (0.002)	ND (0.002)	ND (0.003)	ND (0.003) ND (0.002)	ND (0.002)	ND (0.002)	ND (0.0003) ND (0.002)	ND (0.0003) ND (0.002)	ND (0.0003) ND (0.002)	ND (0.0003) ND (0.002)	ND (0.0003) ND (0.002)	ND (0.002)	ND (0.003) ND (0.002)	ND (0.0003)
Tetrachloroethene	0.005	0.055	0.00063	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	0.0015	0.00096	0.00093	0.0013	ND (0.0012) U	0.0012	0.0011	0.0011	0.0013
Toluene	1	8.2	0.00014 J	ND (0.0005)	0.00005 J	0.00033 J	ND (0.0005)	ND (0.0005) U	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) U
trans-1,2-Dichloroethene	0.1	2	0.0016	0.0025	0.0023	0.0028	0.0024	0.0025	0.005	0.0046	0.0048	0.0043	0.0049	0.0042	0.005	0.005	0.0045
trans-1,3-Dichloropropene	*	*	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Trichloroethene	0.005	0.0072	0.00081	0.0016	0.0014	0.0013	0.0012	0.0012	0.053 ^{ab}	0.047 ^{ab}	0.056 ^{ab}	0.057 ^{ab}	0.058 ^{ab}	0.056 ^{ab}	0.053 ^{ab}	0.057 ^{ab}	0.058 ^{ab}
Trichlorofluoromethane (CFC-11)	*	*	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Vinyl chloride	0.002	0.004	0.0015	0.0037 ^a	0.0037ª	0.0035 ^a	0.0036 ^a	0.0031 ^a	0.012 ^{ab}	0.012 ^{ab}	0.013 ^{ab}	0.015 ^{ab}	0.017 ^{ab}	0.017 ^{ab}	0.012 ^{ab}	0.012 ^{ab}	0.01 ^{ab}

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Sample Location: Sample ID:			BW-11 GW-092608-JP-064 9/26/2008	BW-11 GW-121608-JP-062 12/16/2008	BW-11 GW-040809-JP-058 4/8/2009	BW-11 GW-040809-JP-059 4/8/2009			BW-12 GW-120204-MG-006 12/2/2004	BW-12 GW-120204-MG-007 12/2/2004	BW-12 GW-080305-TP-044 8/3/2005	BW-12 GW-111605-MG-060 11/16/2005	BW-12 GW-021406-MG-041 2/14/2006	BW-12 GW-050106-NRS-043 5/1/2006	BW-13 GW-120104-MG-005 12/1/2004	BW-13 GW-080305-TP-046 8/3/2005	BW-13 GW-111605-MG-058 11/16/2005
Sample Date: Sample Type:			9/20/2008	12/16/2008	4/8/2009	(Duplicate)	7/14/2009	11/6/2009	12/2/2004	(Duplicate)	8/3/2003	11/16/2005	2/14/2006	3/1/2006	12/1/2004	8/3/2003	11/16/2005
Parameters	IDEM RISC Defa Residential	ult Closure Levels Industrial				(= 14)				(=)							
Volatile Organic Compounds (mg/L)	а	ь															
1,1,1,2-Tetrachloroethane	0.0069	0.11	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,1,1-Trichloroethane	0.2	29	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,1,2,2-Tetrachloroethane	0.0009	0.014	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,1,2-Trichloroethane 1,1-Dichloroethane	0.005 0.99	0.05 10	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)
1,1-Dichloroethene	0.007	5.1	0.00077	0.00087	0.00071	0.00076	0.00075	0.00082	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,1-Dichloropropene	*	*	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,2,3-Trichlorobenzene	*	*	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002) UJ	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.003)
1,2,3-Trichloropropane	*	*	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,2,4-Trichlorobenzene	0.07	1	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002) UJ	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
1,2,4-Trimethylbenzene	0.016	5.1	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
1,2-Dibromo-3-chloropropane (DBCP)	*	*	ND (0.002) UJ	ND (0.002)	ND (0.002) UJ	ND (0.002) UJ	ND (0.002)	ND (0.002) UJ	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002) UJ	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
1,2-Dibromoethane (Ethylene dibromide) 1,2-Dichlorobenzene	0.00005 0.6	0.0014 9.2	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)
1,2-Dichloroethane	0.005	0.031	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,2-Dichloropropane	0.005	0.042	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,3,5-Trimethylbenzene	0.016	5.1	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
1,3-Dichlorobenzene	0.08	0.31	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,3-Dichloropropane	*	*	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,4-Dichlorobenzene 2,2-Dichloropropane	0.075	0.12	ND (0.0005) ND (0.0005) UJ	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005) UJ	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005) UJ	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)
2-Butanone (Methyl ethyl ketone) (MEK)	8.4	61	R (0.0003) UJ	ND (0.0003) R	ND (0.0003) R	ND (0.0003) R	RD (0.0005)	RD (0.0003) U)	ND (0.0003) ND (0.02) UJ	ND (0.0003) ND (0.02) UJ	ND (0.0003) ND (0.02) UJ	ND (0.0005) ND (0.02) UJ	ND (0.003) UJ	ND (0.0005) ND (0.02) UJ	ND (0.0003) ND (0.02) UJ	ND (0.003) ND (0.02) UJ	ND (0.003) ND (0.02) UJ
2-Chlorotoluene	*	*	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002) UJ	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
2-Hexanone	*	*	ND (0.02)	R	ND (0.02)	ND (0.02)	ND (0.02)	R	ND (0.02) UJ	ND (0.02) ÚJ	ND (0.02) ÚJ	ND (0.02) ÚJ	ND (0.02) ÚJ	ND (0.02)	ND (0.02) UJ	ND (0.02) ÚJ	ND (0.02) ÚJ
2-Phenylbutane (sec-Butylbenzene)	*	*	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
4-Chlorotoluene	*	*	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	2.2	0.2	NID (0.02)	R	NID (0.02)	NID (0.02)	R	NID (0.02)	NID (0.02)	NID (0.02)	NID (0.02)	NID (0.02) I II	NID (0.02) III	NID (0.02) III	NID (0.02)	NID (0.02)	NID (0.02) I II
Acetone (With Retorie)	2.2 6.9	8.2 92	ND (0.02) R	R R	ND (0.02)	ND (0.02) R	R R	ND (0.02) R	ND (0.02) ND (0.02) UJ	ND (0.02) ND (0.02) UJ	ND (0.02) ND (0.02) UJ	ND (0.02) UJ ND (0.02) UJ	ND (0.02) UJ ND (0.02) UJ	ND (0.02) UJ ND (0.02) UJ	ND (0.02) ND (0.02) UJ	ND (0.02) ND (0.02) UJ	ND (0.02) UJ ND (0.02) UJ
Benzene	0.005	0.052	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	0.00005 [ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Bromobenzene	*	*	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
Bromodichloromethane	0.08	0.08	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Bromoform	0.08	0.36	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005)
Bromomethane (Methyl bromide)	0.011	0.14 10	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ	ND (0.0005) UJ	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Carbon disulfide Carbon tetrachloride	1.3 0.005	0.022	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) UJ ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005) UJ	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)
Chlorobenzene	0.003	2	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Chlorobromomethane	*	*	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Chloroethane	0.062	0.99	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Chloroform (Trichloromethane)	0.08	1	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Chloromethane (Methyl chloride)	*	*	ND (0.0005)	ND (0.0005) U	ND (0.0005) UJ	ND (0.0005) UJ	ND (0.0005) U	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)
cis-1,2-Dichloroethene	0.07	1	0.13ª	0.13ª	0.1ª	0.1ª	0.11 ^a	0.11 ^a	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	0.00038 J	0.00053	0.00069
cis-1,3-Dichloropropene Cymene (p-Isopropyltoluene)	*	*	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005)
Dibromochloromethane	*	*	ND (0.002)	ND (0.002) ND (0.0005)	ND (0.002)	ND (0.002)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)
Dibromomethane	*	*	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Dichlorodifluoromethane (CFC-12)	*	*	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Ethylbenzene	0.7	10	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Hexachlorobutadiene	0.011	0.031	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
Isopropyl benzene	0.83	10	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002)
m&p-Xylene	0.005	0.38	ND (0.003)	ND (0.003)	ND (0.003)	ND (0.003)											ND (0.0005)
Methylene chloride Naphthalene	0.0083	0.56	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002) UJ	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)
N-Butylbenzene	*	*	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
N-Propylbenzene	0.31	4.1	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002) UJ	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
o-Xylene	*	*	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Styrene	0.1	20	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
tert-Butylbenzene	*	*	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
Tetrachloroethene	0.005	0.055	0.0012	0.0009	0.00094	0.0011	0.00092	0.00096	0.00071	0.00069	0.00015 J	ND (0.0005)	0.00023 J	0.00019 J	ND (0.0005)	ND (0.0005)	ND (0.0005)
Toluene	1	8.2	ND (0.0005)	0.00005 J	ND (0.0005) U	ND (0.0005) U	ND (0.0005)	ND (0.0005) U	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
trans-1,2-Dichloroethene trans-1,3-Dichloropropene	0.1 *	2	0.0046 ND (0.0005)	0.0044 ND (0.0005)	0.0032 ND (0.0005)	0.0038 ND (0.0005)	0.0036 ND (0.0005)	0.0038 ND (0.0005) UJ	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005) UJ	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)
Trichloroethene	0.005	0.0072	0.046 ^{ab}	0.044 ^{ab}	0.038 ^{ab}	0.043 ^{ab}	0.051 ^{ab}	0.039 ^{ab}	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Trichlorofluoromethane (CFC-11)	*	*	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Vinyl chloride	0.002	0.004	0.011 ^{ab}	0.0089 ^{ab}	0.0059 ^{ab}	0.0069 ^{ab}	0.0096 ^{ab}	0.0085 ^{ab}	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
· 9	5.002			1		1	1		(5,5555)	(0000)	(5.0000)	(5.0000)	(0000)	(0000)	(0000)	(5.0000)	(0000)

TABLE 5.6 Page 14 of 23

Sample Location:			BW-13	BW-13	BW-14	BW-14	BW-14	BW-14	BW-14	BW-14	BW-14	BW-14	BW-14	BW-14	BW-14	BW-14	BW-14
Sample ID: Sample Date:			GW-021406-MG-042 2/14/2006	GW-050206-NRS-04 5/2/2006	7 GW-121004-MG-057 12/10/2004	GW-072905-TP-024 7/29/2005	GW-111805-MG-077 11/18/2005	GW-022006-MG-076 2/20/2006	GW-042706-NRS-027 4/27/2006	7 GW-042706-NRS-028 4/27/2006	GW-042007-NH-045 4/20/2007	GW-11080/-NH-045 11/8/2007	GW-013108-NH-063 1/31/2008	GW-041008-JP-020 4/10/2008	GW-092508-JP-050 9/25/2008	GW-121508-JP-054 12/15/2008	GW-040609-JP-048 4/6/2009
Sample Type:			2/14/2000	3/2/2000	12/10/2004	1/23/2003	11/10/2003	2/20/2000	4/2//2000	(Duplicate)	4 /20/2007	11/0/2007	1/31/2000	4/10/2000	3/23/2008	12/13/2000	±y0/2003
,	,	ult Closure Levels	;							•							
Parameters	Residential	Industrial															
Volatile Organic Compounds (mg/L)	а	ь															
1,1,1,2-Tetrachloroethane	0.0069	0.11	ND (0.0005)	ND (0.0005)	ND (0.0025)	ND (0.005)	ND (0.0025)	ND (0.005)	ND (0.0025)	ND (0.0025)	ND (0.0025)	ND (0.0025)	ND (0.0025)	ND (0.0005)	ND (0.001)	ND (0.0025)	ND (0.0005)
1,1,1-Trichloroethane	0.2	29	ND (0.0005)	ND (0.0005)	ND (0.0025)	ND (0.005)	ND (0.0025)	ND (0.005)	ND (0.0025)	ND (0.0025)	ND (0.0025)	ND (0.0025)	ND (0.0025)	ND (0.0005)	ND (0.001) UJ	ND (0.0025)	ND (0.0005)
1,1,2,2-Tetrachloroethane	0.0009	0.014	ND (0.0005)	ND (0.0005)	ND (0.0025)	ND (0.005)	ND (0.0025)	ND (0.005)	ND (0.0025)	ND (0.0025)	ND (0.0025)	ND (0.0025)	ND (0.0025)	ND (0.0005)	ND (0.001) UJ	ND (0.0025)	ND (0.0005)
1,1,2-Trichloroethane 1,1-Dichloroethane	0.005 0.99	0.05 10	ND (0.0005)	ND (0.0005)	ND (0.0025)	ND (0.005)	ND (0.0025)	ND (0.005)	ND (0.0025)	ND (0.0025)	ND (0.0025)	ND (0.0025)	ND (0.0025)	ND (0.0005)	ND (0.001)	ND (0.0025)	ND (0.0005)
1,1-Dichloroethane 1,1-Dichloroethene	0.99	5.1	ND (0.0005)	ND (0.0005)	ND (0.0025) 0.008 ^a	ND (0.005)	ND (0.0025)	ND (0.005)	ND (0.0025)	ND (0.0025)	ND (0.0025)	ND (0.0025)	ND (0.0025) 0.0059	ND (0.0005)	ND (0.001)	ND (0.0025)	ND (0.0005)
1,1-Dichloropetnene 1,1-Dichloropropene	0.007 *	5.1 *	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0025)	0.0062 ND (0.005)	0.0061 ND (0.0025)	0.0052 ND (0.005)	0.0055 ND (0.0025)	0.0059 ND (0.0025)	0.006 ND (0.0025)	0.006 ND (0.0025)	ND (0.0025)	0.00019 J ND (0.0005)	0.0029 ND (0.001)	0.0046 ND (0.0025)	0.0027 ND (0.0005)
1,2,3-Trichlorobenzene	*	*	ND (0.002)	ND (0.003)	ND (0.0023) ND (0.01)	ND (0.003)	ND (0.0023)	ND (0.003)	ND (0.0023)	ND (0.0023)	ND (0.0023)	ND (0.0023)	ND (0.0023) ND (0.01)	ND (0.0003)	ND (0.001)	ND (0.0023) ND (0.01)	ND (0.002)
1,2,3-Trichloropropane	*	*	ND (0.0005)	ND (0.0005)	ND (0.0025)	ND (0.005)	ND (0.0025)	ND (0.005)	ND (0.0025)	ND (0.0025)	ND (0.0025)	ND (0.0025)	ND (0.0025)	ND (0.0005)	ND (0.001)	ND (0.0025)	ND (0.0005)
1,2,4-Trichlorobenzene	0.07	1	ND (0.002)	ND (0.002)	ND (0.01)	ND (0.02)	ND (0.01)	ND (0.02)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.002)	ND (0.004)	ND (0.01)	ND (0.002)
1,2,4-Trimethylbenzene	0.016	5.1	ND (0.002)	ND (0.002)	ND (0.01)	ND (0.02)	ND (0.01)	ND (0.02)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.002)	ND (0.004)	ND (0.01)	ND (0.002)
1,2-Dibromo-3-chloropropane (DBCP)	*	*	ND (0.002) UJ	ND (0.002)	ND (0.01)	ND (0.02)	ND (0.01)	ND (0.02)	ND (0.01)	ND (0.01)	ND (0.01) UJ	ND (0.01)	ND (0.01)	R	ND (0.004) UJ	ND (0.01)	R
1,2-Dibromoethane (Ethylene dibromide) 1,2-Dichlorobenzene	0.00005	0.0014 9.2	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.01) ND (0.0025)	ND (0.02) ND (0.005)	ND (0.01) ND (0.0025)	ND (0.02) ND (0.005)	ND (0.01) ND (0.0025)	ND (0.01) ND (0.0025)	ND (0.01) ND (0.0025)	ND (0.01) ND (0.0025)	ND (0.01) ND (0.0025)	ND (0.002) ND (0.0005)	ND (0.004) ND (0.001)	ND (0.01) ND (0.0025)	ND (0.002) ND (0.0005)
1,2-Dichloroethane	0.005	0.031	ND (0.0005)	ND (0.0005)	ND (0.0025) ND (0.0025)	ND (0.005)	ND (0.0025)	ND (0.005)	ND (0.0025)	ND (0.0025)	ND (0.0025)	ND (0.0025)	ND (0.0025)	ND (0.0005)	ND (0.001) ND (0.001)	ND (0.0025)	ND (0.0005) ND (0.0005)
1,2-Dichloropropane	0.005	0.042	ND (0.0005)	ND (0.0005)	ND (0.0025)	ND (0.005)	ND (0.0025)	ND (0.005)	ND (0.0025)	ND (0.0025)	ND (0.0025)	ND (0.0025)	ND (0.0025)	ND (0.0005)	ND (0.001)	ND (0.0025)	ND (0.0005)
1,3,5-Trimethylbenzene	0.016	5.1	ND (0.002)	ND (0.002)	ND (0.01)	ND (0.02)	ND (0.01)	ND (0.02)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.002)	ND (0.004)	ND (0.01)	ND (0.002)
1,3-Dichlorobenzene	0.08	0.31	ND (0.0005)	ND (0.0005)	ND (0.0025)	ND (0.005)	ND (0.0025)	ND (0.005)	ND (0.0025)	ND (0.0025)	ND (0.0025)	ND (0.0025)	ND (0.0025)	ND (0.0005)	ND (0.001)	ND (0.0025)	ND (0.0005)
1,3-Dichloropropane	* 0.075	*	ND (0.0005)	ND (0.0005)	ND (0.0025)	ND (0.005)	ND (0.0025)	ND (0.005)	ND (0.0025)	ND (0.0025)	ND (0.0025)	ND (0.0025)	ND (0.0025)	ND (0.0005)	ND (0.001)	ND (0.0025)	ND (0.0005)
1,4-Dichlorobenzene 2,2-Dichloropropane	0.075	0.12	ND (0.0005) ND (0.0005) UJ	ND (0.0005) ND (0.0005)	ND (0.0025) ND (0.0025)	ND (0.005) ND (0.005)	ND (0.0025) ND (0.0025)	ND (0.005) ND (0.005) UJ	ND (0.0025) ND (0.0025)	ND (0.0025) ND (0.0025)	ND (0.0025) ND (0.0025)	ND (0.0025) ND (0.0025)	ND (0.0025) ND (0.0025)	ND (0.0005) ND (0.0005)	ND (0.001) ND (0.001)	ND (0.0025) ND (0.0025)	ND (0.0005) ND (0.0005)
2-Butanone (Methyl ethyl ketone) (MEK)	8.4	61	ND (0.003) UJ	ND (0.0005)	ND (0.0023) ND (0.1) UJ	ND (0.005) ND (0.2) UJ	ND (0.0023)	ND (0.003) UJ	ND (0.1) UJ	ND (0.1) UJ	ND (0.0023) ND (0.1) UJ	ND (0.0023)	ND (0.0023)	R (0.0003)	R (0.001)	R (0.0023)	R (0.0003)
2-Chlorotoluene	*	*	ND (0.002)	ND (0.002)	ND (0.01)	ND (0.02)	ND (0.01)	ND (0.02)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.002)	ND (0.004)	ND (0.01)	ND (0.002)
2-Hexanone	*	*	ND (0.02) UJ	ND (0.02)	ND (0.1) UJ	ND (0.2) UJ	ND (0.1) UJ	ND (0.2) UJ	ND (0.1) UJ	ND (0.1) UJ	ND (0.1)	ND (0.1)	ND (0.1)	R	ND (0.04)	ND (0.1)	R
2-Phenylbutane (sec-Butylbenzene)	*	*	ND (0.002)	ND (0.002)	ND (0.01)	ND (0.02)	ND (0.01)	ND (0.02)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.002)	ND (0.004)	ND (0.01)	ND (0.002)
4-Chlorotoluene 4-Methyl-2-pentanone	*	*	ND (0.002)	ND (0.002)	ND (0.01)	ND (0.02)	ND (0.01)	ND (0.02)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.002)	ND (0.004)	ND (0.01)	ND (0.002)
(Methyl isobutyl ketone) (MIBK)	2.2	8.2	ND (0.02) UJ	ND (0.02) UJ	ND (0.1)	ND (0.2)	ND (0.1) UJ	ND (0.2)	ND (0.1) UJ	ND (0.1) UJ	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.02)	R	R	R
Acetone	6.9	92	ND (0.02) UJ	ND (0.02) UJ	ND (0.1) UJ	ND (0.2) UJ	ND (0.1) UJ	ND (0.2) UJ	ND (0.1) UJ	ND (0.1) UJ	ND (0.1)	ND (0.1)	ND (0.1)	R	R	R	R
Benzene	0.005	0.052	ND (0.0005)	ND (0.0005)	ND (0.0025)	ND (0.005)	ND (0.0025)	ND (0.005)	ND (0.0025)	ND (0.0025)	ND (0.0025)	ND (0.0025)	ND (0.0025)	ND (0.0005)	ND (0.001) U	ND (0.0025)	ND (0.0005)
Bromobenzene	*	*	ND (0.002)	ND (0.002)	ND (0.01)	ND (0.02)	ND (0.01)	ND (0.02)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.002)	ND (0.004)	ND (0.01)	ND (0.002)
Bromodichloromethane Bromoform	0.08 0.08	0.08 0.36	ND (0.0005)	ND (0.0005)	ND (0.0025)	ND (0.005) ND (0.005)	ND (0.0025)	ND (0.005)	ND (0.0025)	ND (0.0025)	ND (0.0025)	ND (0.0025)	ND (0.0025)	ND (0.0005)	ND (0.001) ND (0.001)	ND (0.0025) ND (0.0025)	ND (0.0005) ND (0.0005)
Bromomethane (Methyl bromide)	0.08	0.36	ND (0.0005) ND (0.0005)	ND (0.0005) UJ ND (0.0005)	ND (0.0025) ND (0.0025)	ND (0.005) ND (0.005)	ND (0.0025) ND (0.0025)	ND (0.005) ND (0.005)	ND (0.0025) ND (0.0025)	ND (0.0025) ND (0.0025)	ND (0.0025) ND (0.0025)	ND (0.0025) ND (0.0025)	ND (0.0025) ND (0.0025)	ND (0.0005) ND (0.0005) UJ	ND (0.001) ND (0.001)	ND (0.0025) ND (0.0025)	ND (0.0005)
Carbon disulfide	1.3	10	ND (0.0005)	ND (0.0005)	ND (0.0025)	ND (0.005)	ND (0.0025)	ND (0.005)	ND (0.0025)	ND (0.0025)	ND (0.0025)	ND (0.0025)	ND (0.0025)	ND (0.0005)	ND (0.001)	ND (0.0025) UJ	ND (0.0005)
Carbon tetrachloride	0.005	0.022	ND (0.0005)	ND (0.0005) UJ	ND (0.0025)	ND (0.005)	ND (0.0025) UJ	ND (0.005)	ND (0.0025)	ND (0.0025)	ND (0.0025)	ND (0.0025)	ND (0.0025)	ND (0.0005)	ND (0.001) UJ	ND (0.0025)	ND (0.0005)
Chlorobenzene	0.1	2	ND (0.0005)	ND (0.0005)	ND (0.0025)	ND (0.005)	ND (0.0025)	ND (0.005)	ND (0.0025)	ND (0.0025)	ND (0.0025)	ND (0.0025)	ND (0.0025)	ND (0.0005)	ND (0.001)	ND (0.0025)	ND (0.0005)
Chlorobromomethane	*	*	ND (0.0005)	ND (0.0005)	ND (0.0025)	ND (0.005)	ND (0.0025)	ND (0.005)	ND (0.0025)	ND (0.0025)	ND (0.0025)	ND (0.0025)	ND (0.0025)	ND (0.0005)	ND (0.001)	ND (0.0025)	ND (0.0005)
Chloroethane Chloroform (Trichloromethane)	0.062 0.08	0.99 1	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0025) ND (0.0025)	ND (0.005) ND (0.005)	ND (0.0025) ND (0.0025)	ND (0.005) ND (0.005)	ND (0.0025) ND (0.0025)	ND (0.0025) ND (0.0025)	ND (0.0025) ND (0.0025)	ND (0.0025) ND (0.0025)	ND (0.0025) ND (0.0025)	ND (0.0005) ND (0.0005)	ND (0.001) ND (0.001)	ND (0.0025) ND (0.0025)	ND (0.0005) ND (0.0005)
Chloromethane (Methyl chloride)	*	*	ND (0.0005)	ND (0.0005)	ND (0.0025)	ND (0.005)	ND (0.0025)	ND (0.005)	ND (0.0025)	ND (0.0025)	ND (0.0025)	ND (0.0025)	ND (0.0025)	ND (0.0005)	ND (0.001)	ND (0.0025)	ND (0.0005)
cis-1,2-Dichloroethene	0.07	1	0.00093	0.0013	1.5 ^{ab}	1.2 ^{ab}	1.1 ^{ab}	1.4 ^{ab}	1.1 ^{ab}	1.1 ^{ab}	1.3 ^{ab}	1.2 ^{ab}	1.4 ^{ab}	0.041	0.56ª	0.78ª	0.47ª
cis-1,3-Dichloropropene	*	*	ND (0.0005)	ND (0.0005)	ND (0.0025)	ND (0.005)	ND (0.0025)	ND (0.005)	ND (0.0025)	ND (0.0025)	ND (0.0025)	ND (0.0025)	ND (0.0025)	ND (0.0005)	ND (0.001)	ND (0.0025)	ND (0.0005)
Cymene (p-Isopropyltoluene)	*	*	ND (0.002)	ND (0.002)	ND (0.01)	ND (0.02)	ND (0.01)	ND (0.02)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.002)	ND (0.004)	ND (0.01)	ND (0.002)
Dibromochloromethane	*	*	ND (0.0005)	ND (0.0005) UJ	ND (0.0025)	ND (0.005)	ND (0.0025)	ND (0.005)	ND (0.0025)	ND (0.0025)	ND (0.0025)	ND (0.0025)	ND (0.0025)	ND (0.0005)	ND (0.001)	ND (0.0025)	ND (0.0005)
Dibromomethane Dichlorodifluoromethane (CFC-12)	*	*	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0025) ND (0.0025)	ND (0.005) ND (0.005)	ND (0.0025) ND (0.0025)	ND (0.005) ND (0.005)	ND (0.0025) ND (0.0025) UJ	ND (0.0025) ND (0.0025) UJ	ND (0.0025) ND (0.0025)	ND (0.0025) ND (0.0025)	ND (0.0025) ND (0.0025)	ND (0.0005) ND (0.0005)	ND (0.001) ND (0.001)	ND (0.0025) ND (0.0025)	ND (0.0005) ND (0.0005)
Ethylbenzene	0.7	10	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0025) ND (0.0025)	ND (0.005) ND (0.005)	ND (0.0025) ND (0.0025)	ND (0.005) ND (0.005)	ND (0.0025) UJ ND (0.0025)	ND (0.0025) UJ ND (0.0025)	ND (0.0025) ND (0.0025)	ND (0.0025) ND (0.0025)	ND (0.0025) ND (0.0025)	ND (0.0005) ND (0.0005)	ND (0.001) ND (0.001)	ND (0.0025) ND (0.0025)	ND (0.0005) ND (0.0005)
Hexachlorobutadiene	0.011	0.031	ND (0.002)	ND (0.0003)	ND (0.0023)	ND (0.003)	ND (0.0023)	ND (0.003)	ND (0.0023)	ND (0.0023)	ND (0.0023)	ND (0.0023)	ND (0.0023)	ND (0.002)	ND (0.001)	ND (0.0023)	ND (0.002)
Isopropyl benzene	0.83	10	ND (0.002)	ND (0.002)	ND (0.01)	ND (0.02)	ND (0.01)	ND (0.02)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.002)	ND (0.004)	ND (0.01)	ND (0.002)
m&p-Xylene	*	*	ND (0.0005)	ND (0.0005)	ND (0.0025)	ND (0.005)	ND (0.0025)	ND (0.005)	ND (0.0025)	ND (0.0025)	ND (0.0025)	ND (0.0025)	ND (0.0025)	ND (0.0005)	ND (0.001)	ND (0.0025)	ND (0.0005)
Methylene chloride	0.005	0.38	ND (0.002)	ND (0.002)	ND (0.01)	ND (0.02) U	ND (0.01)	ND (0.02)	ND (0.01)	ND (0.01)	ND (0.01) U	ND (0.01)	ND (0.01)	ND (0.002)	ND (0.004)	0.0017 J	ND (0.002)
Naphthalene	0.0083	2	ND (0.002)	ND (0.002)	ND (0.01)	ND (0.02)	ND (0.01)	ND (0.02)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.002)	ND (0.004) UJ	ND (0.01)	ND (0.002)
N-Butylbenzene N-Propylbenzene	0.31	4.1	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.01) ND (0.01)	ND (0.02) ND (0.02)	ND (0.01) ND (0.01)	ND (0.02) ND (0.02)	ND (0.01) ND (0.01)	ND (0.01) ND (0.01)	ND (0.01) ND (0.01)	ND (0.01) ND (0.01)	ND (0.01) ND (0.01)	ND (0.002) ND (0.002)	ND (0.004) ND (0.004)	ND (0.01) ND (0.01)	ND (0.002) ND (0.002)
o-Xylene	v.51 *	*	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.01) ND (0.0025)	ND (0.005)	ND (0.01) ND (0.0025)	ND (0.02) ND (0.005)	ND (0.01) ND (0.0025)	ND (0.01) ND (0.0025)	ND (0.01) ND (0.0025)	ND (0.01) ND (0.0025)	ND (0.0025)	ND (0.002) ND (0.0005)	ND (0.004) ND (0.001)	ND (0.01) ND (0.0025)	ND (0.002) ND (0.0005)
Styrene	0.1	20	ND (0.0005)	ND (0.0005)	ND (0.0025)	ND (0.005)	ND (0.0025)	ND (0.005)	ND (0.0025)	ND (0.0025)	ND (0.0025)	ND (0.0025)	ND (0.0025)	ND (0.0005)	ND (0.001)	ND (0.0025)	ND (0.0005)
tert-Butylbenzene	*	*	ND (0.002)	ND (0.002)	ND (0.01)	ND (0.02)	ND (0.01)	ND (0.02)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.002)	ND (0.004)	ND (0.01)	ND (0.002)
Tetrachloroethene	0.005	0.055	ND (0.0005)	ND (0.0005)	ND (0.0025)	0.0018 J	ND (0.0025)	ND (0.005)	ND (0.0025)	ND (0.0025)	ND (0.0025)	ND (0.0025)	ND (0.0025)	0.00042 J	ND (0.001)	ND (0.0025)	ND (0.0005)
Toluene	1	8.2	ND (0.0005)	ND (0.0005)	ND (0.0025)	ND (0.005)	ND (0.0025)	ND (0.005)	ND (0.0025)	ND (0.0025)	ND (0.0025)	ND (0.0025)	ND (0.0025)	0.00027 J	ND (0.001)	ND (0.0025)	ND (0.0005) U
trans-1,2-Dichloroethene	0.1	2	ND (0.0005)	ND (0.0005)	0.049	0.041	0.041	0.044	0.04 NID (0.0025)	0.044	0.042	0.046	0.046	0.0014	0.024	0.034 NID (0.0025)	0.02
trans-1,3-Dichloropropene		0.0073	ND (0.0005) UJ	ND (0.0005)	ND (0.0025) 0.49 ^{ab}	ND (0.005) 0.42 ^{ab}	ND (0.0025) 0.34 ^{ab}	ND (0.005) 0.36 ^{ab}	ND (0.0025) 0.31 ^{ab}	ND (0.0025) 0.3 ^{ab}	ND (0.0025) 0.35 ^{ab}	ND (0.0025) 0.33 ^{ab}	ND (0.0025) 0.35 ^{ab}	ND (0.0005) 0.012 ^{ab}	ND (0.001) 0.17 ^{ab}	ND (0.0025) 0.2 ^{ab}	ND (0.0005) 0.11 ^{ab}
Trichloroethene Trichlorofluoromethane (CFC-11)	0.005	0.0072	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0025)	ND (0.005)	ND (0.0025)	ND (0.005)	ND (0.0025)	ND (0.0025)	ND (0.0025)	ND (0.0025)	ND (0.0025)	ND (0.0005)	ND (0.001) UJ	ND (0.0025)	ND (0.0005)
Vinyl chloride	0.002	0.004	0.00009 J	0.00016 J	0.16 ^{ab}	0.12 ^{ab}	0.12 ^{ab}	0.14 ^{ab}	0.15 ^{ab}	0.15 ^{ab}	0.14 ^{ab}	0.13 ^{ab}	0.13 ^{ab}	0.0061 ^{ab}	0.061 ^{ab}	0.077 ^{ab}	0.064 ^{ab}
. myr chioriae	0.002	0.004	0.00007 j	0.00010 j			1	1	1	1		1					

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Sample Location: Sample ID: Sample Date:			BW-14 GW-071509-TP-139 7/15/2009	BW-14 GW-103009-JP-026 10/30/2009	BW-14A W-022508-JH-001 2/25/2008	BW-14A W-022608-JH-002 2/26/2008	BW-14A W-022708-JH-003 2/27/2008	BW-14A GW-071509-TP-140 7/15/2009	BW-14A GW-103009-JP-025 10/30/2009	BW-15 GW-120804-MG-041 12/8/2004	BW-15 GW-080305-TP-049 8/3/2005	BW-15 GW-080305-TP-050 8/3/2005	BW-15 GW-111405-MG-041 11/14/2005	BW-15 GW-020906-MG-026 2/9/2006	BW-15 GW-042406-NRS-001 4/24/2006	BW-15 GW-041707-NH-024 4/17/2007	BW-15 GW-110107-NH-014 11/1/2007
Sample Type:	IDEM RISC Defa	ult Closure Levels										(Duplicate)					
Parameters	Residential	Industrial h															
Volatile Organic Compounds (mg/L)	и	U															
1,1,1,2-Tetrachloroethane 1,1,1-Trichloroethane	0.0069 0.2	0.11 29	ND (0.0013) ND (0.0013)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005) UJ	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)
1,1,2,2-Tetrachloroethane	0.0009	0.014	ND (0.0013)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,1,2-Trichloroethane	0.005	0.05	ND (0.0013)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,1-Dichloroethane	0.99	10	ND (0.0013)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,1-Dichloroethene	0.007	5.1	0.003	0.0029	0.0012	0.0018	0.0014	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,1-Dichloropropene 1,2,3-Trichlorobenzene	*	*	ND (0.0013) ND (0.005)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)
1,2,3-Trichloropropane	*	*	ND (0.0013)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,2,4-Trichlorobenzene	0.07	1	ND (0.005)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
1,2,4-Trimethylbenzene 1,2-Dibromo-3-chloropropane (DBCP)	0.016	5.1	ND (0.005) R	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) R	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
1,2-Dibromoethane (Ethylene dibromide)) 0.00005	0.0014	ND (0.005)	ND (0.002) ND (0.002)	ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) UJ ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)
1,2-Dichlorobenzene	0.6	9.2	ND (0.0013)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,2-Dichloroethane	0.005	0.031	ND (0.0013)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,2-Dichloropropane	0.005	0.042	ND (0.0013)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,3,5-Trimethylbenzene 1,3-Dichlorobenzene	0.016 0.08	5.1 0.31	ND (0.005) ND (0.0013)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)
1,3-Dichloropropane	*	*	ND (0.0013)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,4-Dichlorobenzene	0.075	0.12	ND (0.0013)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
2,2-Dichloropropane	*	*	ND (0.0013)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005)
2-Butanone (Methyl ethyl ketone) (MEK) 2-Chlorotoluene	8.4	61 *	R ND (0.005)	R ND (0.002)	ND (0.02) ND (0.002)	ND (0.02) ND (0.002)	ND (0.02) ND (0.002)	R ND (0.002)	R ND (0.002)	ND (0.02) UJ ND (0.002)	ND (0.02) UJ ND (0.002)	ND (0.02) UJ ND (0.002)	ND (0.02) UJ ND (0.002)	ND (0.02) UJ ND (0.002)	ND (0.02) UJ ND (0.002)	ND (0.02) UJ ND (0.002)	ND (0.02) ND (0.002)
2-Hexanone	*	*	R (0.003)	ND (0.02)	ND (0.002)	ND (0.02)	ND (0.002)	R (0.002)	ND (0.002)	ND (0.02)	ND (0.02) UJ	ND (0.002)	ND (0.002)	ND (0.002) ND (0.02) UJ	ND (0.002)	ND (0.002)	ND (0.002)
2-Phenylbutane (sec-Butylbenzene)	*	*	ND (0.005)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
4-Chlorotoluene	*	*	ND (0.005)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
4-Methyl-2-pentanone (Mothyl isobutyl kotopo) (MIRK)	2.2	8.2	R	R	NID (0.02)	NID (0.02)	NID (0.02)	R	D	NID (0.02)	NID (0.02)	NID (0.02)	NID (0.02) III	NID (0.02) LII	NID (0.02) I II	NID (0.02)	NID (0.02)
(Methyl isobutyl ketone) (MIBK) Acetone	2.2 6.9	8.2 92	R R	R R	ND (0.02) ND (0.02)	ND (0.02) ND (0.02)	ND (0.02) ND (0.02)	R R	R R	ND (0.02) ND (0.02) UJ	ND (0.02) ND (0.02) UJ	ND (0.02) ND (0.02) UJ	ND (0.02) UJ ND (0.02) UJ	ND (0.02) UJ ND (0.02) UJ	ND (0.02) UJ ND (0.02) UJ	ND (0.02) ND (0.02)	ND (0.02) ND (0.02)
Benzene	0.005	0.052	ND (0.0013)	ND (0.0005) U	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) U	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Bromobenzene	*	*	ND (0.005)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
Bromodichloromethane	0.08	0.08	ND (0.0013)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Bromoform Bromomethane (Methyl bromide)	0.08 0.011	0.36 0.14	ND (0.0013) ND (0.0013)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)
Carbon disulfide	1.3	10	ND (0.0013)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Carbon tetrachloride	0.005	0.022	ND (0.0013)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Chlorobenzene	0.1	2	ND (0.0013)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Chlorobromomethane Chloroethane	0.062	* 0.99	ND (0.0013) ND (0.0013)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)
Chloroform (Trichloromethane)	0.08	0.99	ND (0.0013)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Chloromethane (Methyl chloride)	*	*	ND (0.0013)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) U	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ	ND (0.0005) UJ	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) U
cis-1,2-Dichloroethene	0.07	1	0.68ª	0.61 ^a	0.24ª	0.31 ^a	0.3ª	0.0087	0.0077	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
cis-1,3-Dichloropropene	*	*	ND (0.0013)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005)
Cymene (p-Isopropyltoluene) Dibromochloromethane	*	*	ND (0.005)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002) ND (0.0005)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002) UJ ND (0.0005)	ND (0.002)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002)
Dibromomethane	*	*	ND (0.0013) ND (0.0013)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) ND (0.0005)
Dichlorodifluoromethane (CFC-12)	*	*	ND (0.0013) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Ethylbenzene	0.7	10	ND (0.0013)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Hexachlorobutadiene	0.011	0.031	ND (0.005)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002) UJ	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
Isopropyl benzene m&p-Xylene	0.83	10	ND (0.005) ND (0.0013)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)
Methylene chloride	0.005	0.38	ND (0.005)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002) U	ND (0.002)
Naphthalene	0.0083	2	ND (0.005)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
N-Butylbenzene	*	*	ND (0.005)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002) UJ	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
N-Propylbenzene	0.31	4.1	ND (0.005)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
o-Xylene Styrana	* 0.1	* 20	ND (0.0013) ND (0.0013)	ND (0.0005)	ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)
Styrene tert-Butylbenzene	0.1 *	*	ND (0.0013) ND (0.005)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.003)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)
Tetrachloroethene	0.005	0.055	ND (0.0013)	ND (0.0005)	ND (0.005)	ND (0.0005)	ND (0.005)	0.048 ^a	0.057 ^{ab}	ND (0.002)	ND (0.0005)	ND (0.005)	ND (0.005)	ND (0.0005)	ND (0.0005)	0.00014 J	ND (0.005)
Toluene	1	8.2	ND (0.0013)	0.00033 J	ND (0.0005) U	ND (0.0005) U	ND (0.0005) U	ND (0.0005)	0.0005	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	0.00012 J	ND (0.0005)	ND (0.0005)
trans-1,2-Dichloroethene	0.1	2	0.027	0.028	0.011	0.013	0.014	0.00014 J	0.00043 J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
trans-1,3-Dichloropropene	*	*	ND (0.0013)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005)
Trichloroethene	0.005	0.0072	0.17 ^{ab}	0.15 ^{ab}	0.054 ^{ab}	0.056 ^{ab}	0.056 ^{ab}	0.23 ^{ab}	0.21 ^{ab}	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	0.00026 J	ND (0.0005)
Trichlorofluoromethane (CFC-11)		0.004	ND (0.0013) 0.066 ^{ab}	ND (0.0005) UJ 0.06 ^{ab}	ND (0.0005) 0.025 ^{ab}	ND (0.0005) 0.038 ^{ab}	ND (0.0005) 0.033 ^{ab}	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Vinyl chloride	0.002	0.004	0.000	0.00	0.025	0.036	0.055	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	0.00006 J	0.00008 J	ND (0.0005)

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Sample Location: Sample ID:			BW-15 GW-012408-NH-028		,	BW-15 GW-121008-JP-036	BW-15 GW-040109-JP-028	,	BW-15 GW-071409-TP-129	,	BW-16 GW-120804-MG-045	BW-16 GW-080905-TP-072	BW-16 GW-111405-MG-038	BW-16 GW-020906-MG-024	BW-16 GW-042406-NRS-004	BW-16 GW-041807-NH-029
Sample Date:			1/24/2008	4/10/2008	9/19/2008	12/10/2008	4/1/2009	4/1/2009	7/14/2009	11/4/2009	12/8/2004	8/9/2005	11/14/2005	2/9/2006	4/24/2006	4/18/2007
Sample Type:	IDEM RISC Defa	ult Closure Levels						(Duplicate)								
Parameters	Residential	Industrial														
Volatile Organic Compounds (mg/L)	а	ь														
1,1,1,2-Tetrachloroethane	0.0069	0.11	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,1,1-Trichloroethane	0.2	29	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)
1,1,2,2-Tetrachloroethane	0.0009	0.014	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,1,2-Trichloroethane 1,1-Dichloroethane	0.005 0.99	0.05 10	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)
1,1-Dichloroethene	0.007	5.1	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,1-Dichloropropene	*	*	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,2,3-Trichlorobenzene	*	*	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
1,2,3-Trichloropropane	*	*	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,2,4-Trichlorobenzene	0.07	1	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
1,2,4-Trimethylbenzene 1,2-Dibromo-3-chloropropane (DBCP)	0.016	5.1	ND (0.002) ND (0.002)	ND (0.002) R	ND (0.002) ND (0.002) UJ	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002) UJ	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)
1,2-Dibromoethane (Ethylene dibromide)	0.00005	0.0014	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
1,2-Dichlorobenzene	0.6	9.2	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,2-Dichloroethane	0.005	0.031	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)
1,2-Dichloropropane 1,3,5-Trimethylbenzene	0.005 0.016	0.042 5.1	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)
1,3-Dichlorobenzene	0.08	0.31	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.005)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.005)
1,3-Dichloropropane	*	*	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,4-Dichlorobenzene	0.075	0.12	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
2,2-Dichloropropane	*	* 61	ND (0.0005)	ND (0.0005)	ND (0.0005) R	ND (0.0005) R	ND (0.0005) UJ	ND (0.0005) UJ	ND (0.0005) R	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)
2-Butanone (Methyl ethyl ketone) (MEK) 2-Chlorotoluene	8.4	*	ND (0.02) ND (0.002)	R ND (0.002)	ND (0.002)	ND (0.002)	R ND (0.002)	R ND (0.002)	ND (0.002)	R ND (0.002)	ND (0.02) UJ ND (0.002)	ND (0.02) UJ ND (0.002)	ND (0.02) UJ ND (0.002)	ND (0.02) UJ ND (0.002)	ND (0.02) UJ ND (0.002)	ND (0.02) ND (0.002)
2-Hexanone	*	*	ND (0.02)	R	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	R	ND (0.02)	ND (0.02) UJ	ND (0.02) UJ	ND (0.02)	ND (0.02) UJ	ND (0.02) UJ	ND (0.02)
2-Phenylbutane (sec-Butylbenzene)	*	*	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
4-Chlorotoluene	*	*	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	2.2	8.2	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	R	ND (0.02)	ND (0.02) UJ	ND (0.02) UJ	ND (0.02) UJ	ND (0.02) UJ	ND (0.02)
Acetone (William)	6.9	92	ND (0.02)	R (0.02)	R (0.02)	ND (0.02)	R (0.02)	R (0.02)	ND (0.02)	R	ND (0.02)	ND (0.02) UJ	ND (0.02) UJ	ND (0.02) UJ	ND (0.02) UJ	ND (0.02)
Benzene	0.005	0.052	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) U	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Bromobenzene	*	*	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
Bromodichloromethane	0.08	0.08	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Bromoform Bromomethane (Methyl bromide)	0.08 0.011	0.36 0.14	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005) UJ	ND (0.0005) UJ ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005) UJ	ND (0.0005) ND (0.0005) UJ	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005) UJ	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)
Carbon disulfide	1.3	10	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) U	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	0.00029 J	ND (0.0005)	ND (0.0005)	ND (0.0005)	0.00026 J	ND (0.0005)
Carbon tetrachloride	0.005	0.022	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Chlorobenzene	0.1	2	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Chlorobromomethane Chloroethane	* 0.062	* 0.99	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)
Chloroform (Trichloromethane)	0.08	0.99	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Chloromethane (Methyl chloride)	*	*	ND (0.0005)	ND (0.0005)	ND (0.0005)	0.00007 J	ND (0.0005)	ND (0.0005)	ND (0.0005) U	ND (0.0005)	ND (0.0005)	0.00027 J	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005)
cis-1,2-Dichloroethene	0.07	1	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	0.00069	0.0002 J	ND (0.0005)	ND (0.0005)	ND (0.0005)	0.0041
cis-1,3-Dichloropropene	*	*	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)
Cymene (p-Isopropyltoluene) Dibromochloromethane	*	*	ND (0.002) ND (0.0005)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002) UJ	ND (0.002)	ND (0.002)	ND (0.002)				
Dibromocniorometnane Dibromomethane	*	*	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) UJ ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)
Dichlorodifluoromethane (CFC-12)	*	*	ND (0.0005) UJ	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Ethylbenzene	0.7	10	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Hexachlorobutadiene	0.011	0.031	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002) UJ	ND (0.002)	ND (0.002)	ND (0.002)
Isopropyl benzene m&p-Xylene	0.83	10	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)
Methylene chloride	0.005	0.38	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002) U
Naphthalene	0.0083	2	ND (0.002)	ND (0.002)	ND (0.002)	0.00018 J	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
N-Butylbenzene	*	*	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002) UJ	ND (0.002)	ND (0.002)	ND (0.002)
N-Propylbenzene	0.31	4.1	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
o-Xylene Styrene	* 0.1	* 20	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)
tert-Butylbenzene	*	∠U *	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0003) ND (0.002)	ND (0.003) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0003) ND (0.002)	ND (0.0005) ND (0.002)
Tetrachloroethene	0.005	0.055	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	0.00022 J	ND (0.0005) U	ND (0.0005)	0.00045 J	0.0002 J	0.00082
Toluene	1	8.2	ND (0.0005)	0.00029 J	ND (0.0005)	ND (0.0005)	ND (0.0005) U	ND (0.0005) U	ND (0.0005)	ND (0.0005) U	0.00012 J	ND (0.0005)	ND (0.0005)	ND (0.0005)	0.00012 J	ND (0.0005)
trans-1,2-Dichloroethene	0.1	2	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
trans-1,3-Dichloropropene	*	*	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)
Trichloroethene	0.005	0.0072	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	0.00014 J	0.0018	0.0008	0.00016 J	0.00021 J	0.00026 J	0.0061 ^a
Trichlorofluoromethane (CFC-11)			ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Vinyl chloride	0.002	0.004	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	0.00011 J

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Sample Location: Sample ID:			BW-16 GW-110707-NH-038	BW-16 GW-012408-NH-026	BW-16 GW-042208-JP-063	BW-16 GW-092608-JP-058	BW-16 GW-121108-JP-040	BW-16 GW-033109-JP-023	BW-16 GW-071409-TP-128	BW-16 GW-110309-JP-038	BW-17 GW-120104-MG-001	BW-17 GW-080105-TP-025	BW-17 GW-110905-MG-012	BW-17 GW-020606-MG-002	BW-17 GW-050306-NRS-060	BW-17 GW-041007-NH-004
Sample Date: Sample Type:			11/7/2007	1/24/2008	4/22/2008	9/26/2008	12/11/2008	3/31/2009	7/14/2009	11/3/2009	12/1/2004	8/1/2005	11/9/2005	2/6/2006	5/3/2006	4/10/2007
Зитри Туре.	IDEM RISC Defa	ult Closure Levels														
Parameters	Residential a	Industrial b														
Volatile Organic Compounds (mg/L)																
1,1,1,2-Tetrachloroethane	0.0069	0.11 29	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)					
1,1,1-Trichloroethane 1,1,2,2-Tetrachloroethane	0.2 0.0009	0.014	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)					
1,1,2-Trichloroethane	0.005	0.05	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)					
1,1-Dichloroethane	0.99	10	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)					
1,1-Dichloroethene	0.007	5.1	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)					
1,1-Dichloropropene	*	*	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)					
1,2,3-Trichlorobenzene	*	*	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)					
1,2,3-Trichloropropane	*	*	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)					
1,2,4-Trichlorobenzene 1,2,4-Trimethylbenzene	0.07 0.016	5.1	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)					
1,2-Dibromo-3-chloropropane (DBCP)	*	3.1 *	ND (0.002)	ND (0.002)	R (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
1,2-Dibromoethane (Ethylene dibromide	0.00005	0.0014	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002) UJ	ND (0.002)	ND (0.002)	ND (0.002)					
1,2-Dichlorobenzene	0.6	9.2	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)					
1,2-Dichloroethane	0.005	0.031	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)					
1,2-Dichloropropane	0.005	0.042	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)					
1,3,5-Trimethylbenzene	0.016	5.1	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)					
1,3-Dichlorobenzene	0.08	0.31	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)					
1,3-Dichloropropane 1,4-Dichlorobenzene	0.075	0.12	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)					
2,2-Dichloropropane	*	*	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)					
2-Butanone (Methyl ethyl ketone) (MEK)	8.4	61	ND (0.02)	ND (0.02)	R	R	R	R	R	R	ND (0.02) UJ	ND (0.02) UJ	ND (0.02) UJ	ND (0.02) UJ	ND (0.02) UJ	ND (0.02)
2-Chlorotoluene	*	*	ND (0.002)	ND (0.002) UJ	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)					
2-Hexanone	*	*	ND (0.02)	ND (0.02)	R	ND (0.02)	ND (0.02)	ND (0.02) UJ	ND (0.02)	ND (0.02)	ND (0.02) UJ	ND (0.02) UJ	ND (0.02) UJ	ND (0.02) UJ	ND (0.02) UJ	ND (0.02)
2-Phenylbutane (sec-Butylbenzene)	*	*	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)					
4-Chlorotoluene	*	*	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)					
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	2.2	8.2	NID (0.02)	NID (0.02)	R	NID (0.02)	NID (0.02)	D	R	D	NID (0.02)	NID (0.02)	NID (0.02) III	NID (0.02) III	NID (0.00) I II	NID (0.02)
Acetone (Methyl Isobutyl Retorie) (MIBR)	2.2 6.9	8.2 92	ND (0.02) ND (0.02)	ND (0.02) ND (0.02)	R R	ND (0.02) R	ND (0.02) ND (0.02) U	R R	0.0052 J	R R	ND (0.02) ND (0.02) UJ	ND (0.02) ND (0.02) UJ	ND (0.02) UJ ND (0.02) UJ	ND (0.02) UJ ND (0.02) UJ	ND (0.02) UJ ND (0.02) UJ	ND (0.02) ND (0.02)
Benzene	0.005	0.052	ND (0.005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	0.00025 J	0.00006 J	ND (0.0005) U	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.005)	ND (0.0005)	ND (0.005)
Bromobenzene	*	*	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)					
Bromodichloromethane	0.08	0.08	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)					
Bromoform	0.08	0.36	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Bromomethane (Methyl bromide)	0.011	0.14	ND (0.0005)	ND (0.0005)	ND (0.0005)	0.0001 J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)
Carbon disulfide	1.3	10	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) U	ND (0.0005)	0.00055	ND (0.0005) U	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Carbon tetrachloride Chlorobenzene	0.005 0.1	0.022	ND (0.0005) ND (0.0005)	ND (0.0005) UJ ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005) UJ	ND (0.0005) ND (0.0005)	ND (0.0005) UJ ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)				
Chlorobromomethane	*	*	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)					
Chloroethane	0.062	0.99	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)					
Chloroform (Trichloromethane)	0.08	1	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)					
Chloromethane (Methyl chloride)	-	-	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) U	ND (0.0005) U	ND (0.0005)	ND (0.0005) U	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005)
cis-1,2-Dichloroethene	0.07	1	0.00044 J	0.00015 J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	0.00012 J	ND (0.0005)	ND (0.0005)	ND (0.0005)
cis-1,3-Dichloropropene	*	*	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)					
Cymene (p-Isopropyltoluene) Dibromochloromethane	*	*	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)					
Dibromomethane	*	*	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)					
Dichlorodifluoromethane (CFC-12)	*	*	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Ethylbenzene	0.7	10	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005)					
Hexachlorobutadiene	0.011	0.031	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)					
Isopropyl benzene	0.83	10	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)					
m&p-Xylene	*	*	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)					
Methylene chloride	0.005	0.38	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002) U					
Naphthalene N-Butylbenzene	0.0083	*	ND (0.002) ND (0.002)	ND (0.002) U ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)					
N-Propylbenzene	0.31	4.1	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002) ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)					
o-Xylene	*	*	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005)					
Styrene	0.1	20	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)					
tert-Butylbenzene	*	*	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)					
Tetrachloroethene	0.005	0.055	0.00037 J	0.00064	0.00063	ND (0.0005)	0.00011 J	ND (0.0005) U	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	0.00014 J	ND (0.0005)	ND (0.0005) U	0.00017 J
Toluene	1	8.2	ND (0.0005)	ND (0.0005)	ND (0.0005) U	ND (0.0008) U	0.00006 J	ND (0.0005) U	ND (0.0005)	ND (0.00065) U	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) U	ND (0.0005)
trans-1,2-Dichloroethene	0.1	2	ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)				
trans-1,3-Dichloropropene Trichloroethene	0.005	0.0072	ND (0.0005) 0.00056	ND (0.0005) 0.00047 J	ND (0.0005) 0.0002 J	ND (0.0005) 0.00015 J	ND (0.0005) 0.00024 J	0.00023 J	ND (0.0005) 0.00023 J	ND (0.0005) 0.00013 J	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) 0.00019 J	ND (0.0005) UJ ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)
Trichlorofluoromethane (CFC-11)	*	*	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)				
Vinyl chloride	0.002	0.004	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)					

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Sample Location: Sample ID:			BW-17 GW-103007-NH-001	BW-17 GW-012208-NH-005	BW-17 GW-040808-JP-001	BW-17 GW-091708-JP-007	BW-17 GW-121108-JP-043	BW-17 GW-121108-JP-044	BW-17 GW-040209-JP-034	BW-17 GW-070809-TP-102	BW-17 GW-110409-JP-041	BW-18 GW-120804-MG-046	BW-18 GW-120804-MG-047	BW-18 GW-080905-TP-070	BW-18 GW-080905-TP-071	BW-18 GW-111405-MG-037
Sample Date:			10/30/2007	1/22/2008	4/8/2008	9/17/2008	12/11/2008	12/11/2008	4/2/2009	7/8/2009	11/4/2009	12/8/2004	12/8/2004	8/9/2005	8/9/2005	11/14/2005
Sample Type:	IDEM BIGG D.4-							(Duplicate)					(Duplicate)		(Duplicate)	
Parameters	Residential	ult Closure Levels Industrial b														
Volatile Organic Compounds (mg/L)	а	b														
1,1,1,2-Tetrachloroethane	0.0069	0.11	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,1,1-Trichloroethane	0.2	29	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,1,2,2-Tetrachloroethane	0.0009	0.014	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,1,2-Trichloroethane	0.005	0.05	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,1-Dichloroethane	0.99	10	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,1-Dichloroethene 1,1-Dichloropropene	0.007	5.1 *	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)
1,2,3-Trichlorobenzene	*	*	ND (0.0003)	ND (0.003)	ND (0.003)	ND (0.003)	ND (0.003)	ND (0.003)	ND (0.003)	ND (0.003)	ND (0.0003)	ND (0.0003)	ND (0.0003) ND (0.002)	ND (0.0003)	ND (0.003) ND (0.002)	ND (0.0003) ND (0.002)
1,2,3-Trichloropropane	*	*	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.0005)	ND (0.005)	ND (0.005)
1,2,4-Trichlorobenzene	0.07	1	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
1,2,4-Trimethylbenzene	0.016	5.1	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
1,2-Dibromo-3-chloropropane (DBCP)	*	*	ND (0.002)	ND (0.002)	R	ND (0.002) UJ	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
1,2-Dibromoethane (Ethylene dibromide)		0.0014	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
1,2-Dichlorobenzene 1,2-Dichloroethane	0.6 0.005	9.2	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,2-Dichloroptopane	0.005	0.031 0.042	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)
1,3,5-Trimethylbenzene	0.016	5.1	ND (0.0003)	ND (0.000)	ND (0.0003)	ND (0.0003)	ND (0.0003)	ND (0.003)	ND (0.0003)	ND (0.0003)	ND (0.0003)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.003)	ND (0.002)
1,3-Dichlorobenzene	0.08	0.31	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,3-Dichloropropane	*	*	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,4-Dichlorobenzene	0.075	0.12	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
2,2-Dichloropropane	*	*	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
2-Butanone (Methyl ethyl ketone) (MEK)	8.4	61	ND (0.02)	ND (0.02)	R	R	R	R	R	R	R	ND (0.02) UJ	ND (0.02) UJ	ND (0.02) UJ	ND (0.02) UJ	ND (0.02) UJ
2-Chlorotoluene 2-Hexanone	*	*	ND (0.002) ND (0.02)	ND (0.002)	ND (0.002) R	ND (0.002) ND (0.02)	ND (0.002) ND (0.02)	ND (0.002) ND (0.02)	ND (0.002) ND (0.02)	ND (0.002) R	ND (0.002) ND (0.02)	ND (0.002)	ND (0.002) ND (0.02) UJ	ND (0.002)	ND (0.002)	ND (0.002)
2-Phenylbutane (sec-Butylbenzene)	*	*	ND (0.02) ND (0.002)	ND (0.02) ND (0.002)	ND (0.002)	ND (0.02)	ND (0.02) ND (0.002)	ND (0.02) ND (0.002)	ND (0.02) ND (0.002)	ND (0.002)	ND (0.02) ND (0.002)	ND (0.02) UJ ND (0.002)	ND (0.02) UJ ND (0.002)	ND (0.02) UJ ND (0.002)	ND (0.02) UJ ND (0.002)	ND (0.02) ND (0.002)
4-Chlorotoluene	*	*	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
4-Methyl-2-pentanone			(****=)	(****=)	(****=)	()	()	(****=)	(****=)	()	(****=)	()	- (- ()	(****=)	()	()
(Methyl isobutyl ketone) (MIBK)	2.2	8.2	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	R	ND (0.02)	R	ND (0.02)	ND (0.02)	ND (0.02) UJ	ND (0.02) UJ	ND (0.02) UJ
Acetone	6.9	92	ND (0.02)	ND (0.02)	R	R	ND (0.02)	ND (0.02)	R	ND (0.02)	R	ND (0.02) UJ	ND (0.02) UJ	ND (0.02) UJ	ND (0.02) UJ	ND (0.02) UJ
Benzene	0.005	0.052	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) U	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Bromobenzene	* 0.08	* 0.08	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
Bromodichloromethane Bromoform	0.08	0.36	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005) UJ	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)
Bromomethane (Methyl bromide)	0.011	0.14	ND (0.0005) UJ	ND (0.0005) ND (0.0005) UJ	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) ND (0.0005) UJ	ND (0.0005) UJ	ND (0.0005)
Carbon disulfide	1.3	10	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Carbon tetrachloride	0.005	0.022	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Chlorobenzene	0.1	2	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Chlorobromomethane	*	*	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Chloroethane	0.062	0.99	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Chloroform (Trichloromethane) Chloromethane (Methyl chloride)	0.08	1 -	ND (0.0005) ND (0.0005) U	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005) U	ND (0.0005) ND (0.0005) U	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005) U	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005) UJ
cis-1,2-Dichloroethene	0.07	1	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	0.0017	0.0016	0.0017	0.0017	0.00096
cis-1,3-Dichloropropene	*	*	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Cymene (p-Isopropyltoluene)	*	*	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002) ÚJ
Dibromochloromethane	*	*	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Dibromomethane	*	*	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Dichlorodifluoromethane (CFC-12)	0.7	10	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Ethylbenzene Hexachlorobutadiene	0.011	0.031	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002) UJ
Isopropyl benzene	0.83	10	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
m&p-Xylene	*	*	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Methylene chloride	0.005	0.38	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
Naphthalene	0.0083	2	0.00029 J	ND (0.002)	ND (0.002)	0.00011 J	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002) U	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
N-Butylbenzene	*	*	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002) UJ
N-Propylbenzene	0.31	4.1	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
o-Xylene Styrene	0.1	20	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)
Styrene tert-Butylbenzene	V.1 *	20 *	ND (0.0005) ND (0.002)	ND (0.0003) ND (0.002)	ND (0.0003) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.003) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.003) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)
Tetrachloroethene	0.005	0.055	ND (0.002) ND (0.0005)	0.00017 J	0.00019 J	0.00017 J	ND (0.002)	ND (0.002) ND (0.0005)	ND (0.002)	0.0001 J	ND (0.002) ND (0.0005)	0.00023 J	0.00027 J	ND (0.002)	ND (0.002)	0.00043 J
Toluene	1	8.2	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.00076) U	ND (0.0005)	ND (0.0005) U	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) U
trans-1,2-Dichloroethene	0.1	2	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
trans-1,3-Dichloropropene	*	*	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Trichloroethene	0.005	0.0072	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	0.0023	0.0023	0.0024	0.0024	0.0024
Trichlorofluoromethane (CFC-11)	*	*	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Vinyl chloride	0.002	0.004	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)

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Sample Location: Sample ID: Sample Date:			BW-18 GW-020906-MG-023 2/9/2006	BW-18 GW-042406-NRS-003 4/24/2006	BW-18 GW-041807-NH-032 4/18/2007	BW-18 GW-041807-NH-033 4/18/2007	BW-18 GW-110707-NH-039 11/7/2007	BW-18 GW-012308-NH-019 1/23/2008	BW-18 GW-042208-JP-064 4/22/2008	BW-18 GW-092208-JP-024 9/22/2008	BW-18 GW-121008-JP-038 12/10/2008	BW-18 GW-033109-JP-018 3/31/2009	BW-18 GW-071409-TP-125 7/14/2009	BW-18 GW-110309-JP-036 11/3/2009	BW-18A GW-052406-NRS-090 5/24/2006	BW-18A GW-042307-NH-054 4/23/2007
Sample Type:						(Duplicate)										
Parameters	IDEM RISC Defa Residential a	ult Closure Levels Industrial h														
Volatile Organic Compounds (mg/L)	и	U														
1,1,1,2-Tetrachloroethane	0.0069	0.11	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,1,1-Trichloroethane	0.2	29	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,1,2,2-Tetrachloroethane	0.0009	0.014	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,1,2-Trichloroethane	0.005	0.05	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,1-Dichloroethane	0.99	10	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,1-Dichloroethene 1,1-Dichloropropene	0.007	5.1 *	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)
1,2,3-Trichlorobenzene	*	*	ND (0.0003) ND (0.002)	ND (0.0003) ND (0.002)	ND (0.0003) ND (0.002)	ND (0.0003) ND (0.002)	ND (0.0003)	ND (0.003)	ND (0.003)	ND (0.0003)	ND (0.0003) ND (0.002)	ND (0.003)	ND (0.0003)	ND (0.003) ND (0.002)	ND (0.003)	ND (0.003) ND (0.002)
1,2,3-Trichloropropane	*	*	ND (0.005)	ND (0.005)	ND (0.0005)	ND (0.005)	ND (0.005)	ND (0.002)	ND (0.005)	ND (0.002)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.002)	ND (0.0005)
1,2,4-Trichlorobenzene	0.07	1	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
1,2,4-Trimethylbenzene	0.016	5.1	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
1,2-Dibromo-3-chloropropane (DBCP)	*	*	ND (0.002) UJ	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	R	ND (0.002) UJ	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
1,2-Dibromoethane (Ethylene dibromide)		0.0014	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
1,2-Dichlorobenzene	0.6 0.005	9.2 0.031	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,2-Dichloroethane 1,2-Dichloropropane	0.005	0.031	ND (0.0005) UJ ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)
1,3,5-Trimethylbenzene	0.016	5.1	ND (0.0003)	ND (0.0003)	ND (0.0003)	ND (0.003)	ND (0.0003)	ND (0.003)	ND (0.003)	ND (0.0003)	ND (0.002)	ND (0.0003)	ND (0.003)	ND (0.003)	ND (0.003)	ND (0.003)
1,3-Dichlorobenzene	0.010	0.31	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.005)	ND (0.002)	ND (0.002)
1,3-Dichloropropane	*	*	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,4-Dichlorobenzene	0.075	0.12	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
2,2-Dichloropropane	*	*	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
2-Butanone (Methyl ethyl ketone) (MEK)	8.4	61	ND (0.02) UJ	ND (0.02) UJ	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	R	R	R	R	R	R	ND (0.02) UJ	ND (0.02) UJ
2-Chlorotoluene	*	*	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002) UJ	ND (0.002)	ND (0.002)	ND (0.002)
2-Hexanone	*	*	ND (0.02) UJ ND (0.002)	ND (0.02) UJ ND (0.002)	ND (0.02) ND (0.002)	ND (0.02) ND (0.002)	ND (0.02) ND (0.002)	ND (0.02) ND (0.002)	R ND (0.002)	ND (0.02) UJ ND (0.002)	ND (0.02) ND (0.002)	ND (0.02) UJ ND (0.002)	ND (0.02) ND (0.002)	ND (0.02) ND (0.002)	ND (0.02) UJ ND (0.002)	ND (0.02)
2-Phenylbutane (sec-Butylbenzene) 4-Chlorotoluene	*	*	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)
4-Methyl-2-pentanone			14D (0.002)	14D (0.002)	14D (0.002)	14D (0.002)	14D (0.002)	14D (0.002)	ND (0.002)	14D (0.002)	ND (0.002)	14D (0.002)	ND (0.002)	14D (0.002)	ND (0.002)	14D (0.002)
(Methyl isobutyl ketone) (MIBK)	2.2	8.2	ND (0.02) UJ	ND (0.02) UJ	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	R	R	ND (0.02)	R	R	R	ND (0.02)	ND (0.02)
Acetone	6.9	92	ND (0.02) UJ	ND (0.02) UJ	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	R	R	ND (0.02)	R	R	R	ND (0.02) UJ	ND (0.02)
Benzene	0.005	0.052	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) U	ND (0.0005)	ND (0.0005)
Bromobenzene	*	*	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
Bromodichloromethane	0.08	0.08	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Bromoform	0.08 0.011	0.36 0.14	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005)	ND (0.0005)
Bromomethane (Methyl bromide) Carbon disulfide	1.3	10	ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) UJ ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)
Carbon tetrachloride	0.005	0.022	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Chlorobenzene	0.1	2	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Chlorobromomethane	*	*	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Chloroethane	0.062	0.99	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Chloroform (Trichloromethane)	0.08	1	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Chloromethane (Methyl chloride)	- 0.07	-	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	0.00007 J	ND (0.0005)	ND (0.0005)	ND (0.0005) U	ND (0.0005)	ND (0.0005)	0.00016 J
cis-1,2-Dichloroethene cis-1,3-Dichloropropene	0.07	1	0.0011 ND (0.0005) UJ	0.0016 ND (0.0005)	0.0023 ND (0.0005)	0.0022 ND (0.0005)	0.00067 ND (0.0005)	0.0005 ND (0.0005)	0.0012 ND (0.0005)	0.00041 J ND (0.0005)	0.00042 J ND (0.0005)	0.0011 ND (0.0005)	0.00067 ND (0.0005)	0.00057 ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)
Cymene (p-Isopropyltoluene)	*	*	ND (0.002)	ND (0.000)	ND (0.002)	ND (0.0003)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.0003)	ND (0.002)	ND (0.0003)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.0003)
Dibromochloromethane	*	*	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005)	0.00015 J	ND (0.0005)
Dibromomethane	*	*	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Dichlorodifluoromethane (CFC-12)	*	*	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Ethylbenzene	0.7	10	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Hexachlorobutadiene	0.011	0.031	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
Isopropyl benzene m&p-Xylene	0.83	10	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)
Methylene chloride	0.005	0.38	ND (0.0003)	ND (0.0003)	ND (0.0003)	ND (0.0003)	ND (0.0003)	ND (0.003)	ND (0.003)	ND (0.0003)	ND (0.002)	ND (0.0003)	ND (0.002)	ND (0.003)	ND (0.003)	ND (0.0003) ND (0.002) U
Naphthalene	0.0083	2	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002) UJ	ND (0.002) UJ	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
N-Butylbenzene	*	*	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
N-Propylbenzene	0.31	4.1	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002) UJ	ND (0.002)	ND (0.002)	ND (0.002)
o-Xylene	*	*	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Styrene	0.1	20	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
tert-Butylbenzene	* 0.005	*	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
Tetrachloroethene Toluene	0.005	0.055 8.2	0.00031 J ND (0.0005)	0.00017 J 0.00012 J	ND (0.0005) U ND (0.0005)	ND (0.0005) U ND (0.0005)	0.0004 J ND (0.0005)	0.00027 J ND (0.0005)	0.00025 J ND (0.0005) U	0.00033 J ND (0.0005) U	0.00034 J 0.00013 J	ND (0.0005) U ND (0.00056) U	0.00022 J ND (0.0005)	0.00027 J ND (0.00056) U	0.00013 J 0.0002 J	ND (0.00054) U 0.00024 J
trans-1,2-Dichloroethene	0.1	8.2 2	ND (0.0005) ND (0.0005)	ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) U ND (0.0005)	ND (0.0005) U ND (0.0005)	ND (0.0005)	ND (0.00056) U ND (0.0005)	ND (0.0005)	ND (0.00056) U ND (0.0005)	ND (0.0005)	ND (0.0005)
trans-1,3-Dichloropropene	*	*	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Trichloroethene	0.005	0.0072	0.0026	0.0019	0.0026	0.0026	0.0018	0.0017	0.0018	0.0012	0.0013	0.002	0.0015	0.0016	0.00033 J	0.00019 J
Trichlorofluoromethane (CFC-11)	*	*	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Vinyl chloride	0.002	0.004	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)

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Sample Location: Sample ID: Sample Date:			BW-18A GW-110807-NH-044 11/8/2007	BW-18A GW-012408-NH-021 1/24/2008	BW-18A GW-042208-JP-065 4/22/2008	BW-18A GW-092308-JP-028 9/23/2008	BW-18A GW-121008-JP-039 12/10/2008	BW-18A GW-040109-JP-027 4/1/2009	BW-18A GW-071409-TP-126 7/14/2009	BW-18A GW-110309-JP-037 11/3/2009	BW-19 GW-081805-TP-081 8/18/2005	BW-19 GW-111605-MG-056 11/16/2005	BW-19 GW-111605-MG-057 11/16/2005	BW-19 GW-021406-MG-043 2/14/2006	BW-19 GW-050206-NRS-046 5/2/2006	BW-19 GW-041107-NH-005 4/11/2007
Sample Type:													(Duplicate)			
Parameters	IDEM RISC Defa Residential a	ult Closure Levels Industrial h														
Volatile Organic Compounds (mg/L)																
1,1,1,2-Tetrachloroethane	0.0069	0.11	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)				
1,1,1-Trichloroethane	0.2	29	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)				
1,1,2,2-Tetrachloroethane	0.0009	0.014	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)				
1,1,2-Trichloroethane	0.005	0.05	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)				
1,1-Dichloroethane 1,1-Dichloroethene	0.99 0.007	10 5.1	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)				
1,1-Dichloropropene	*	3.1 *	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)				
1,2,3-Trichlorobenzene	*	*	ND (0.003)	ND (0.002)	ND (0.002)	ND (0.003)	ND (0.003)	ND (0.0003)	ND (0.002)	ND (0.0003)	ND (0.0003)	ND (0.002)	ND (0.0003)	ND (0.0003)	ND (0.002)	ND (0.0003)
1,2,3-Trichloropropane	*	*	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)				
1,2,4-Trichlorobenzene	0.07	1	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)				
1,2,4-Trimethylbenzene	0.016	5.1	ND (0.002)	ND (0.002)	ND (0.002)	0.00006 J	0.00005 J	0.00004 J	0.00008 J	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
1,2-Dibromo-3-chloropropane (DBCP)	*	*	ND (0.002)	ND (0.002)	R	ND (0.002) UJ	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002) UJ	ND (0.002)	ND (0.002)
1,2-Dibromoethane (Ethylene dibromide)	0.00005	0.0014	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)				
1,2-Dichlorobenzene	0.6	9.2	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)				
1,2-Dichloroethane	0.005	0.031	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)				
1,2-Dichloropropane	0.005 0.016	0.042	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)				
1,3,5-Trimethylbenzene 1,3-Dichlorobenzene	0.016	5.1 0.31	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)				
1,3-Dichloropropane	*	*	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)				
1,4-Dichlorobenzene	0.075	0.12	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)				
2,2-Dichloropropane	*	*	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)
2-Butanone (Methyl ethyl ketone) (MEK)	8.4	61	ND (0.02)	ND (0.02)	0.0027 J	R	R	R	R	R	ND (0.02) ÚJ	ND (0.02) ÚJ	ND (0.02) ÚJ	ND (0.02) UJ	ND (0.02) ÚJ	ND (0.02)
2-Chlorotoluene	*	*	ND (0.002)	ND (0.002)	ND (0.002) UJ	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)				
2-Hexanone	*	*	ND (0.02)	ND (0.02)	R	ND (0.02) UJ	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02) UJ	ND (0.02) UJ	ND (0.02) UJ	ND (0.02) UJ	ND (0.02)	ND (0.02)
2-Phenylbutane (sec-Butylbenzene)	*	*	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)				
4-Chlorotoluene	*	*	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)				
4-Methyl-2-pentanone	2.2	0.2	NID (0.00)	NID (0.02)	Th.	NID (0.00) III	NID (0.00)	NTD (0.00)	Th.	D	NID (0.00) III	NID (0.00) III	NID (0.00) III	NTD (0.00) III	NID (0.02) III	NID (0.00)
(Methyl isobutyl ketone) (MIBK) Acetone	2.2 6.9	8.2 92	ND (0.02) ND (0.02)	ND (0.02) ND (0.02)	R R	ND (0.02) UJ 0.011 J	ND (0.02) ND (0.02)	ND (0.02)	R 0.0043 J	K R	ND (0.02) UJ ND (0.02) UJ	ND (0.02) UJ ND (0.02) UJ	ND (0.02) UJ ND (0.02) UJ	ND (0.02) UJ ND (0.02) UJ	ND (0.02) UJ ND (0.02) UJ	ND (0.02) ND (0.02)
Benzene	0.005	0.052	ND (0.005)	ND (0.005)	ND (0.0005)	ND (0.0005)	0.00029 J	ND (0.0005)	0.00043 J	ND (0.0005) U	ND (0.0005)	ND (0.005)	ND (0.005)	ND (0.0005)	ND (0.0005)	ND (0.005)
Bromobenzene	*	*	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.000)				
Bromodichloromethane	0.08	0.08	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	0.00011 J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)				
Bromoform	0.08	0.36	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)
Bromomethane (Methyl bromide)	0.011	0.14	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)				
Carbon disulfide	1.3	10	0.00031 J	0.00019 J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) U	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Carbon tetrachloride	0.005	0.022	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)				
Chlorobenzene	0.1	2	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)				
Chlorothoromethane	*		ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)				
Chloroethane Chloroform (Trichloromethane)	0.062 0.08	0.99 1	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)				
Chloromethane (Methyl chloride)	0.08	-	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ	0.00011 J	ND (0.0005)	ND (0.0005) U	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	0.00016 J	ND (0.0005)	ND (0.0005)
cis-1,2-Dichloroethene	0.07	1	0.00016 J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	0.0003 J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
cis-1,3-Dichloropropene	*	*	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)				
Cymene (p-Isopropyltoluene)	*	*	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)				
Dibromochloromethane	*	*	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005)	0.00014 J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)
Dibromomethane	*	*	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)				
Dichlorodifluoromethane (CFC-12)	*	*	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Ethylbenzene	0.7	10	ND (0.0005)	ND (0.0005)	ND (0.0005)	0.00005 J	0.00007 J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Hexachlorobutadiene	0.011 0.83	0.031 10	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)				
Isopropyl benzene m&p-Xylene	v.65 *	*	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) 0.00013 J	ND (0.002) 0.00017 J	ND (0.002) 0.00012 J	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)
Methylene chloride	0.005	0.38	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.0003)	ND (0.002)	ND (0.0003)	ND (0.002)	ND (0.002)	ND (0.0003)				
Naphthalene	0.0083	2	0.00038 J	ND (0.002)	0.00052 J	0.00042 J	0.00039 J	ND (0.002) U	0.00088 J	ND (0.002) U	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
N-Butylbenzene	*	*	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)				
N-Propylbenzene	0.31	4.1	ND (0.002)	ND (0.002)	ND (0.002) UJ	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)				
o-Xylene	*	*	0.00011 J	ND (0.0005)	ND (0.0005)	0.00007 J	0.00009 J	0.00006 J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Styrene	0.1	20	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)				
tert-Butylbenzene	*	*	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)				
Tetrachloroethene	0.005	0.055	0.00042 J	0.00059	0.0018	0.00022 J	0.00024 J	0.00019 J	0.00007 J	ND (0.0005)	0.0014	ND (0.0005)	ND (0.0005)	0.00014 J	0.00022 J	0.0002 J
Toluene	1	8.2	0.0003 J	ND (0.0005) U	ND (0.0005) U	ND (0.0005) U	0.00079	ND (0.0005) U	ND (0.0005) U	ND (0.0005) U	ND (0.0005) U	ND (0.0005) U	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
trans-1,2-Dichloroethene	0.1	2	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)				
trans-1,3-Dichloropropene Trichloroethene	0.005	0.0072	ND (0.0005) 0.00046 J	ND (0.0005) 0.00014 J	ND (0.0005) 0.00031 J	ND (0.0005) UJ ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) 0.003	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) UJ ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)
Trichlorofluoromethane (CFC-11)	*	*	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)				
Vinyl chloride	0.002	0.004	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)				
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Sample Location: Sample ID: Sample Date:			BW-19 GW-110707-NH-043 11/7/2007	BW-19 GW-012508-NH-034 1/25/2008	BW-19 GW-041008-JP-016 4/10/2008	BW-19 GW-092608-JP-063 9/26/2008	BW-19 GW-121208-JP-050 12/12/2008	BW-19 GW-040709-JP-053 4/7/2009	BW-19 GW-071309-TP-124 7/13/2009	BW-19 GW-110209-JP-029 11/2/2009	BW-20 GW-081705-TP-079 8/17/2005	BW-20 GW-111605-MG-055 11/16/2005	BW-20 GW-021306-MG-038 2/13/2006	BW-20 GW-021306-MG-039 2/13/2006	BW-20 GW-050206-NRS-051 5/2/2006	BW-20 GW-042007-NH-047 4/20/2007
Sample Type:														(Duplicate)		
Parameters	IDEM RISC Defa Residential a	ult Closure Levels Industrial b														
Volatile Organic Compounds (mg/L)																
1,1,1,2-Tetrachloroethane	0.0069	0.11	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)				
1,1,1-Trichloroethane 1,1,2,2-Tetrachloroethane	0.2 0.0009	29	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)				
1,1,2-Tetrachioroethane	0.005	0.014 0.05	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)				
1,1-Dichloroethane	0.99	10	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)				
1,1-Dichloroethene	0.007	5.1	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)				
1,1-Dichloropropene	*	*	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)				
1,2,3-Trichlorobenzene	*	*	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)				
1,2,3-Trichloropropane	*	*	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)				
1,2,4-Trichlorobenzene	0.07	1	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)				
1,2,4-Trimethylbenzene	0.016	5.1	ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) R	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
1,2-Dibromo-3-chloropropane (DBCP) 1,2-Dibromoethane (Ethylene dibromide)	0.00005	0.0014	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002)	ND (0.002) UJ ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) UJ ND (0.002)	ND (0.002) UJ ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) UJ ND (0.002)
1,2-Dichlorobenzene	0.6	9.2	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)				
1,2-Dichloroethane	0.005	0.031	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)				
1,2-Dichloropropane	0.005	0.042	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)				
1,3,5-Trimethylbenzene	0.016	5.1	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)				
1,3-Dichlorobenzene	0.08	0.31	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)				
1,3-Dichloropropane	*	*	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)				
1,4-Dichlorobenzene	0.075	0.12	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)				
2,2-Dichloropropane 2-Butanone (Methyl ethyl ketone) (MEK)	8.4	61	ND (0.0005) ND (0.02)	ND (0.0005) ND (0.02)	ND (0.0005) R	ND (0.0005) R	ND (0.0005) R	ND (0.0005)	ND (0.0005) R	ND (0.0005) R	ND (0.0005) ND (0.02) UJ	ND (0.0005) ND (0.02) UJ	ND (0.0005) UJ ND (0.02) UJ	ND (0.0005) UJ ND (0.02) UJ	ND (0.0005) ND (0.02) UJ	ND (0.0005) ND (0.02) UJ
2-Chlorotoluene	*	*	ND (0.02) ND (0.002)	ND (0.02)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002) UJ	ND (0.002)	ND (0.02) U)	ND (0.02) O)	ND (0.02) U) ND (0.002)	ND (0.02) U)	ND (0.02) Uj	ND (0.002) ND (0.002)
2-Hexanone	*	*	ND (0.02)	ND (0.02)	R	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02) UJ	ND (0.02) UJ	ND (0.02) UJ	ND (0.02) UJ	ND (0.02)	ND (0.02)
2-Phenylbutane (sec-Butylbenzene)	*	*	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)				
4-Chlorotoluene 4-Methyl-2-pentanone	*	*	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)				
(Methyl isobutyl ketone) (MIBK)	2.2	8.2	ND (0.02)	R	R	R	ND (0.02) UJ	ND (0.02) UJ	ND (0.02) UJ	ND (0.02) UJ	ND (0.02) UJ	ND (0.02)				
Acetone	6.9	92	ND (0.02)	ND (0.02)	R	R	ND (0.02)	R	R	R	ND (0.02) UJ	ND (0.02) UJ	ND (0.02) UJ	ND (0.02) UJ	ND (0.02) UJ	0.0051 J
Benzene Bromobenzene	0.005	0.052	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) U ND (0.002)	ND (0.0005) U ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)				
Bromodichloromethane	0.08	0.08	ND (0.002)	ND (0.002) ND (0.0005)	ND (0.002)	ND (0.002) ND (0.0005)	ND (0.002)	ND (0.002)	ND (0.002) ND (0.0005)	ND (0.002)	ND (0.002)	ND (0.002)				
Bromoform	0.08	0.36	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)
Bromomethane (Methyl bromide)	0.011	0.14	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Carbon disulfide	1.3	10	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) U	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)				
Carbon tetrachloride	0.005	0.022	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)				
Chlorobenzene	0.1	2	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)				
Chlorobromomethane	*	*	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)				
Chloroethane Chloroform (Trichloromethane)	0.062 0.08	0.99	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)				
Chloromethane (Methyl chloride)	-	-	ND (0.0005)	ND (0.0005)	ND (0.0005)	0.00009 [ND (0.0005) U	ND (0.0005)	ND (0.0005) U	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
cis-1,2-Dichloroethene	0.07	1	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	0.00038 J				
cis-1,3-Dichloropropene	*	*	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)				
Cymene (p-Isopropyltoluene)	*	*	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)				
Dibromochloromethane	*	*	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)				
Dibromomethane	*	*	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)				
Dichlorodifluoromethane (CFC-12)	0.7	10	ND (0.0005) ND (0.0005)	ND (0.0005) UJ ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)
Ethylbenzene Hexachlorobutadiene	0.7	0.031	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.003) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0003) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0003) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)
Isopropyl benzene	0.83	10	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)				
m&p-Xylene	*	*	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)				
Methylene chloride	0.005	0.38	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002) U				
Naphthalene	0.0083	2	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002) U	0.0001 J	ND (0.002) UJ	ND (0.002) U	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
N-Butylbenzene	*	*	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)				
N-Propylbenzene	0.31	4.1	ND (0.002)	ND (0.002)	ND (0.002) UJ	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)				
o-Xylene	*	*	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)				
Styrene	0.1	20	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)				
tert-Butylbenzene Tetrachloroethene	0.005	0.055	ND (0.002) 0.00014 J	ND (0.002) 0.00019 J	ND (0.002) 0.00029 J	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) 0.00019 J	ND (0.002) 0.00021 J	ND (0.002) 0.0002 J	ND (0.002) 0.00036 J	ND (0.002) ND (0.0005) U
Toluene	0.005	8.2	ND (0.0005)	ND (0.0005)	0.00029 J 0.00025 J	ND (0.0005)	0.00007 J	0.00029 J	ND (0.0005) ND (0.0005)	ND (0.00051) U	ND (0.0005) U	ND (0.0005) U	ND (0.0005)	ND (0.0005)	0.00036 J	ND (0.0005) C
trans-1,2-Dichloroethene	0.1	2	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.00051) C	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)				
trans-1,3-Dichloropropene	*	*	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)				
Trichloroethene	0.005	0.0072	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	0.00027 J	0.0002 J				
Trichlorofluoromethane (CFC-11)	*	*	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)				
Vinyl chloride	0.002	0.004	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)				

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Sample Location:			BW-20	BW-20	BW-20	BW-20	BW-20	BW-20	BW-20	BW-20	BW-23	BW-23	BW-23	BW-23	BW-23	BW-23
Sample ID:			GW-110807-NH-047		GW-041608-JP-045	GW-092508-JP-046	GW-120908-JP-030	GW-040309-JP-041	GW-071309-TP-123	GW-110209-JP-028	GW-081805-TP-080	GW-111705-MG-065	GW-022006-MG-078	GW-042606-NRS-017	GW-041907-NH-039	GW-110807-NH-051
Sample Date: Sample Type:			11/8/2007	1/24/2008	4/16/2008	9/25/2008	12/9/2008	4/3/2009	7/13/2009	11/2/2009	8/18/2005	11/17/2005	2/20/2006	4/26/2006	4/19/2007	11/8/2007
Зитрие Туре.	IDEM RISC Defa	ult Closure Levels														
Parameters	Residential a	Industrial b														
Volatile Organic Compounds (mg/L)																
1,1,1,2-Tetrachloroethane	0.0069	0.11	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,1,1-Trichloroethane 1,1,2,2-Tetrachloroethane	0.2 0.0009	29 0.014	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,1,2-Trichloroethane	0.005	0.014	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) UJ ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)
1,1-Dichloroethane	0.99	10	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,1-Dichloroethene	0.007	5.1	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,1-Dichloropropene	*	*	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,2,3-Trichlorobenzene 1,2,3-Trichloropropane	*	*	ND (0.002) ND (0.0005)	ND (0.002)	ND (0.002)	ND (0.002) UJ	ND (0.002)	ND (0.002)	ND (0.002) ND (0.0005)	ND (0.002)	ND (0.002)	ND (0.002) ND (0.0005)	ND (0.002)	ND (0.002)	ND (0.002) ND (0.0005)	ND (0.002)
1,2,4-Trichlorobenzene	0.07	1	ND (0.0005)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)
1,2,4-Trimethylbenzene	0.016	5.1	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
1,2-Dibromo-3-chloropropane (DBCP)	*	*	ND (0.002)	ND (0.002)	R	ND (0.002) UJ	ND (0.002)	R	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002) UJ	ND (0.002)
1,2-Dibromoethane (Ethylene dibromide)		0.0014	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
1,2-Dichlorobenzene	0.6	9.2	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,2-Dichloroethane 1,2-Dichloropropane	0.005 0.005	0.031 0.042	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)
1,3,5-Trimethylbenzene	0.016	5.1	ND (0.0003)	ND (0.002)	ND (0.0003)	ND (0.003)	ND (0.003)	ND (0.0003)	ND (0.002)	ND (0.0003)	ND (0.0003)	ND (0.0003)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.0003)
1,3-Dichlorobenzene	0.08	0.31	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,3-Dichloropropane	*	*	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,4-Dichlorobenzene	0.075	0.12	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
2,2-Dichloropropane	*	*	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) R	ND (0.0005) R	ND (0.0005)	ND (0.0005) R	ND (0.0005)					
2-Butanone (Methyl ethyl ketone) (MEK) 2-Chlorotoluene	8.4	61 *	ND (0.02) ND (0.002)	ND (0.02) ND (0.002)	R ND (0.002)	R ND (0.002)	ND (0.002)	ND (0.002)	R ND (0.002) UJ	ND (0.002)	ND (0.02) UJ ND (0.002)	ND (0.02) UJ ND (0.002)	ND (0.02) UJ ND (0.002)	ND (0.02) UJ ND (0.002)	ND (0.02) ND (0.002)	ND (0.02) ND (0.002)
2-Hexanone	*	*	ND (0.02)	ND (0.02)	R	ND (0.02)	ND (0.02)	R	ND (0.02)	ND (0.02)	ND (0.02) UJ	ND (0.02) UJ	ND (0.02) UJ	ND (0.02) UJ	ND (0.02)	ND (0.02)
2-Phenylbutane (sec-Butylbenzene)	*	*	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
4-Chlorotoluene 4-Methyl-2-pentanone	*	*	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002) UJ	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
(Methyl isobutyl ketone) (MIBK)	2.2	8.2	ND (0.02)	ND (0.02)	R	R	ND (0.02)	R	R	R	ND (0.02) UJ	ND (0.02) UJ	ND (0.02)	ND (0.02) UJ	ND (0.02)	ND (0.02)
Acetone	6.9 0.005	92 0.052	ND (0.02)	ND (0.02)	R	R	ND (0.02)	R NID (0.000E)	R	R	ND (0.02) UJ	ND (0.02) UJ	ND (0.02) UJ	ND (0.02) UJ	ND (0.02)	ND (0.02)
Benzene Bromobenzene	v.005 *	0.052 *	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) U ND (0.002)	ND (0.0005) U ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)
Bromodichloromethane	0.08	0.08	ND (0.005)	ND (0.0005)	ND (0.0005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.002)	ND (0.005)	ND (0.005)	ND (0.005)
Bromoform	0.08	0.36	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Bromomethane (Methyl bromide)	0.011	0.14	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)
Carbon disulfide	1.3	10	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Carbon tetrachloride Chlorobenzene	0.005 0.1	0.022 2	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) UJ ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)
Chlorobromomethane	*	*	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Chloroethane	0.062	0.99	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Chloroform (Trichloromethane)	0.08	1	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Chloromethane (Methyl chloride)	-	-	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) U	0.00012 J	ND (0.0005)	ND (0.0005) U	ND (0.0005)	ND (0.0005)	ND (0.0005)	0.00015 J	ND (0.0005)	ND (0.0005)	ND (0.0005)
cis-1,2-Dichloroethene cis-1,3-Dichloropropene	0.07	1	0.00018 J ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	0.0016 ND (0.0005)	0.019 ND (0.0005)	0.00019 J ND (0.0005)	ND (0.0005) ND (0.0005)
Cymene (p-Isopropyltoluene)	*	*	ND (0.0003)	ND (0.003)	ND (0.003)	ND (0.003)	ND (0.003)	ND (0.0003)	ND (0.002)	ND (0.0003)	ND (0.002)	ND (0.0003)	ND (0.003)	ND (0.003)	ND (0.003)	ND (0.0003)
Dibromochloromethane	*	*	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Dibromomethane	*	*	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Dichlorodifluoromethane (CFC-12)	*	*	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)
Ethylbenzene Hexachlorobutadiene	0.7 0.011	10 0.031	ND (0.0005)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005)	ND (0.0005) ND (0.002)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005)	ND (0.0005)
Isopropyl benzene	0.83	10	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002)	ND (0.002) ND (0.002)	ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)
m&p-Xylene	*	*	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Methylene chloride	0.005	0.38	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002) U	ND (0.002)
Naphthalene	0.0083	2	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002) UJ	0.00012 J	ND (0.002) U	ND (0.002) U	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
N-Butylbenzene	*	*	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
N-Propylbenzene o-Xylene	0.31	4.1	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) UJ ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)
Styrene	0.1	20	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
tert-Butylbenzene	*	*	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
Tetrachloroethene	0.005	0.055	0.00022 J	0.00026 J	0.00032 J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	0.00037 J	0.00034 J	ND (0.0005)	0.0004 J	0.00028 J
Toluene	1	8.2	ND (0.0005)	ND (0.0005)	ND (0.0005) U	ND (0.0005) U	0.00007 J	ND (0.0005) U	ND (0.0005)	ND (0.00058) U	ND (0.0005)					
trans-1,2-Dichloroethene	0.1	2	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	0.00048 J	ND (0.0005)	ND (0.0005)
trans-1,3-Dichloropropene Trichloroethene	0.005	0.0072	ND (0.0005) 0.00097	ND (0.0005) 0.00025 J	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) 0.00071	ND (0.0005) 0.002	ND (0.0005) ND (0.0005)	ND (0.0005) 0.00094	ND (0.0005) 0.00073
Trichlorofluoromethane (CFC-11)	*	*	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005)
Vinyl chloride	0.002	0.004	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	0.015 ^{ab}	ND (0.0005)	ND (0.0005)
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SUMMARY OF PHASE IIB RFI GROUNDWATER VOC ANALYTICAL DATA - BEDROCK WELLS RADIO MATERIALS CORPORATION ATTICA, INDIANA

Sample Location: Sample ID:			BW-23 GW-012808-NH-035	BW-23 GW-041808-JP-051	BW-23 GW-092508-JP-048	BW-23 GW-120808-JP-022	BW-23 GW-040709-JP-050	BW-23 GW-070809-JP-013	BW-23 GW-102909-JP-015
Sample Date:			1/28/2008	4/18/2008	9/25/2008	12/8/2008	4/7/2009	7/8/2009	10/29/2009
Sample Type:	IDEM RISC Defau	dt Claarina I amala							
Parameters	Residential a	Industrial b							
Volatile Organic Compounds (mg/L)		U							
1,1,1,2-Tetrachloroethane	0.0069	0.11	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,1,1-Trichloroethane	0.2	29	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,1,2,2-Tetrachloroethane	0.0009	0.014	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,1,2-Trichloroethane	0.005	0.05	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,1-Dichloroethane	0.99	10	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,1-Dichloroethene	0.007	5.1	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,1-Dichloropropene	*	*	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,2,3-Trichlorobenzene	*	*	ND (0.002)	ND (0.002) ND (0.0005)	ND (0.002) UJ	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
1,2,3-Trichloropropane 1,2,4-Trichlorobenzene	0.07	1	ND (0.0005) ND (0.002)	ND (0.0003) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)
1,2,4-Trimethylbenzene	0.016	5.1	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
1,2-Dibromo-3-chloropropane (DBCP)	*	*	ND (0.002)	R	ND (0.002) UJ	ND (0.002)	ND (0.002)	R	ND (0.002)
1,2-Dibromoethane (Ethylene dibromide)	0.00005	0.0014	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
1,2-Dichlorobenzene	0.6	9.2	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,2-Dichloroethane	0.005	0.031	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,2-Dichloropropane	0.005	0.042	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,3,5-Trimethylbenzene	0.016	5.1	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
1,3-Dichlorobenzene	0.08	0.31	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,3-Dichloropropane	*	*	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,4-Dichlorobenzene	0.075	0.12	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
2,2-Dichloropropane			ND (0.0005)	ND (0.0005) R	ND (0.0005)	ND (0.0005)	ND (0.0005) R	ND (0.0005) R	ND (0.0005)
2-Butanone (Methyl ethyl ketone) (MEK) 2-Chlorotoluene	8.4	61	ND (0.02) ND (0.002)	ND (0.002)	R ND (0.002)	R ND (0.002)	ND (0.002)	ND (0.002)	R ND (0.002)
2-Hexanone	*	*	ND (0.02)	R (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	R (0.002)	ND (0.002)
2-Phenylbutane (sec-Butylbenzene)	*	*	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
4-Chlorotoluene	*	*	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
4-Methyl-2-pentanone			(****=)	(****=)	(****=)	()	()	()	(****-)
(Methyl isobutyl ketone) (MIBK)	2.2	8.2	ND (0.02)	R	R	ND (0.02)	R	R	R
Acetone	6.9	92	ND (0.02)	R	R	ND (0.02)	R	R	R
Benzene	0.005	0.052	ND (0.0005)	ND (0.0005)	ND (0.0005) U	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) U
Bromobenzene	*	*	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
Bromodichloromethane	0.08	0.08	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Bromoform	0.08	0.36	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Bromomethane (Methyl bromide)	0.011	0.14	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Carbon disulfide Carbon tetrachloride	1.3 0.005	10 0.022	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005) UJ	ND (0.0005) U ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)
Chlorobenzene	0.005	2	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Chlorobromomethane	*	*	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)
Chloroethane	0.062	0.99	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Chloroform (Trichloromethane)	0.08	1	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Chloromethane (Methyl chloride)	-	-	ND (0.0005)	ND (0.0005)	ND (0.0005)	0.0001 J	ND (0.0005)	ND (0.0005) U	ND (0.0005)
cis-1,2-Dichloroethene	0.07	1	ND (0.0005)	0.00021 J	0.00031 J	ND (0.0005)	0.0003 J	0.00013 J	0.00026 J
cis-1,3-Dichloropropene	*	*	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Cymene (p-Isopropyltoluene)	*	*	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
Dibromochloromethane Dibromomethane	*	*	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Dichlorodifluoromethane (CFC-12)	*	*	ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005) UJ	ND (0.0005) ND (0.0005)
Ethylbenzene	0.7	10	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Hexachlorobutadiene	0.011	0.031	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
Isopropyl benzene	0.83	10	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
m&p-Xylene	*	*	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Methylene chloride	0.005	0.38	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
Naphthalene	0.0083	2	ND (0.002)	ND (0.002)	ND (0.002) UJ	ND (0.002) UJ	ND (0.002) UJ	ND (0.002)	ND (0.002)
N-Butylbenzene	*	*	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
N-Propylbenzene	0.31	4.1	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
o-Xylene	*	*	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Styrene	0.1	20	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
tert-Butylbenzene Tetrachloroethene	0.005	0.055	ND (0.002) 0.00039 J	ND (0.002) 0.00049 J	ND (0.002) 0.00035 J	ND (0.002) 0.00026 J	ND (0.002) 0.00026 J	ND (0.002) 0.00019 J	ND (0.002) 0.00021 J
Toluene	0.005	8.2	ND (0.0005)	ND (0.0005) U	ND (0.0005) U	ND (0.0005) U	0.00026 J 0.00034 J	ND (0.0005)	ND (0.0005) U
trans-1,2-Dichloroethene	0.1	2	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
trans-1,3-Dichloropropene	*	*	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Trichloroethene	0.005	0.0072	0.00086	0.00084	0.0011	0.00079	0.00091	0.00065	0.00088
Trichlorofluoromethane (CFC-11)	*	*	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ
Vinyl chloride	0.002	0.004	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)

IDEM - Indiana Department of Environmental Management RISC - Risk Integrated System of Closure

ND(0.50) - Analyte not detected at quantitation limit in parenthesis.

mg/L - milligrams per liter
* - Criteria not established for this analyte.

<sup>To The sample not execute a quantum man in particular.

I - The sample results are rejected due to serious deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte cannot be verified.</sup>

U - Not present at or above the associated value.

UJ - The material was analyzed for, but was not detected. The associated value is an estimate and may be inaccurate or imprecise.

TABLE 5.7 Page 1 of 2

Sample Location: Sample ID: Sample Date:			BW-01 GW-102603-MG-037 10/26/2003	BW-02 GW-102503-MG-033 10/25/2003	BW-03 GW-102603-MG-034 10/26/2003	BW-04 GW-102403-MG-028 10/24/2003	BW-05 GW-102503-MG-031 10/25/2003	BW-06 GW-102503-MG-030 10/25/2003	BW-07 GW-102503-MG-029 10/25/2003	BW-08 GW-102803-MG-051 10/28/2003	BW-08 GW-102803-MG-052 10/28/2003	BW-09 GW-102603-MG-035 10/26/2003	BW-10 GW-102703-MG-050 10/27/2003	BW-14A W-022708-JH-003 2/27/2008
Sample Type: Parameters	IDEM RISC Defa Residential	ult Closure Levels Industrial									(Duplicate)			
	а	b												
Semivolatile Organic Compounds (mg/L) 1,2,4-Trichlorobenzene	0.07	1	ND (0.011)	ND (0.0095)	ND (0.01)	ND (0.01)	ND (0.0099)	ND (0.01)	ND (0.0099)	ND (0.0096)	ND (0.011)	ND (0.01)	ND (0.0099)	ND (0.00022)
1,2-Dichlorobenzene	0.6	9.2	ND (0.011) UJ	ND (0.0095) UJ	ND (0.01) UJ	ND (0.01) UJ	ND (0.0099) UJ	ND (0.01) UJ	ND (0.0099) UJ	ND (0.0096) UJ	ND (0.011) UJ	ND (0.01) UJ	ND (0.0099) UJ	ND (0.00022)
1,3-Dichlorobenzene	0.08	0.31	ND (0.011)	ND (0.0095)	ND (0.01)	ND (0.01)	ND (0.0099)	ND (0.01)	ND (0.0099)	ND (0.0096)	ND (0.011)	ND (0.01)	ND (0.0099)	ND (0.00022)
1,4-Dichlorobenzene	0.075	0.12	ND (0.011)	ND (0.0095)	ND (0.01)	ND (0.01)	ND (0.0099)	ND (0.01)	ND (0.0099)	ND (0.0096)	ND (0.011)	ND (0.01)	ND (0.0099)	ND (0.00022)
2,2'-Oxybis(1-chloropropane)	0.0042	0.041	NID (0.011)	NID (0.000E)	NID (0.01)	NID (0.01)	NID (0.0000)	NID (0.01)	NID (0.0000)	NID (0.000()	NID (0.011)	NID (0.01)	NID (0.0000)	
(bis(2-Chloroisopropyl) ether) 2,2'-Oxybis(2-chloropropane)	0.0042	0.041	ND (0.011)	ND (0.0095)	ND (0.01)	ND (0.01)	ND (0.0099)	ND (0.01)	ND (0.0099)	ND (0.0096)	ND (0.011)	ND (0.01)	ND (0.0099)	ND (0.00022)
2,4,5-Trichlorophenol	3.6	10	ND (0.011)	ND (0.0095)	ND (0.01)	ND (0.01)	ND (0.0099)	ND (0.01)	ND (0.0099)	ND (0.0096)	ND (0.011)	ND (0.01)	ND (0.0099)	ND (0.00053)
2,4,6-Trichlorophenol	0.0036	0.01	ND (0.011)	ND (0.0095)	ND (0.01)	ND (0.01)	ND (0.0099)	ND (0.01)	ND (0.0099)	ND (0.0096)	ND (0.011)	ND (0.01)	ND (0.0099)	ND (0.00053)
2,4-Dichlorophenol	0.11	0.31	ND (0.011)	ND (0.0095)	ND (0.01)	ND (0.01)	ND (0.0099)	ND (0.01)	ND (0.0099)	ND (0.0096)	ND (0.011)	ND (0.01)	ND (0.0099)	ND (0.00053)
2,4-Dimethylphenol	0.73	2	ND (0.011)	ND (0.0095)	ND (0.01)	ND (0.01)	ND (0.0099)	ND (0.01)	ND (0.0099)	ND (0.0096)	ND (0.011)	ND (0.01)	ND (0.0099)	ND (0.0043)
2,4-Dinitrophenol 2,4-Dinitrotoluene	0.073	0.2	ND (0.026) ND (0.011)	ND (0.024) ND (0.0095)	ND (0.025) ND (0.01)	ND (0.025) ND (0.01)	ND (0.025) ND (0.0099)	ND (0.025) ND (0.01)	ND (0.025) ND (0.0099)	ND (0.024) ND (0.0096)	ND (0.026) ND (0.011)	ND (0.025) ND (0.01)	ND (0.025) ND (0.0099)	ND (0.0043) ND (0.00022)
2,6-Dinitrotoluene	*	*	ND (0.011) ND (0.011)	ND (0.0095)	ND (0.01) ND (0.01)	ND (0.01) ND (0.01)	ND (0.0099)	ND (0.01) ND (0.01)	ND (0.0099)	ND (0.0096)	ND (0.011)	ND (0.01)	ND (0.0099)	ND (0.00022)
2-Chloronaphthalene	0.61	8.2	ND (0.011)	ND (0.0095)	ND (0.01)	ND (0.01)	ND (0.0099)	ND (0.01)	ND (0.0099)	ND (0.0096)	ND (0.011)	ND (0.01)	ND (0.0099)	ND (0.00022)
2-Chlorophenol	0.038	0.51	ND (0.011)	ND (0.0095)	ND (0.01)	ND (0.01)	ND (0.0099)	ND (0.01)	ND (0.0099)	ND (0.0096)	ND (0.011)	ND (0.01)	ND (0.0099)	ND (0.00053)
2-Methylnaphthalene	0.031	0.41	-		-	-			-	·		-	-	ND (0.00022)
2-Methylphenol 2-Nitroaniline	1.8 0.11	5.1 0.31	ND (0.011) UJ ND (0.026)	ND (0.0095) UJ ND (0.024)	ND (0.01) UJ ND (0.025)	ND (0.01) UJ ND (0.025)	ND (0.0099) UJ ND (0.025)	ND (0.01) UJ ND (0.025)	ND (0.0099) UJ ND (0.025)	ND (0.0096) UJ ND (0.024)	ND (0.011) UJ ND (0.026)	ND (0.01) UJ ND (0.025)	ND (0.0099) UJ ND (0.025)	ND (0.00053) ND (0.00022)
2-Nitrophenol	V.11 *	v.51 *	ND (0.026) ND (0.011)	ND (0.024) ND (0.0095)	ND (0.023) ND (0.01)	ND (0.023) ND (0.01)	ND (0.029)	ND (0.023) ND (0.01)	ND (0.023) ND (0.0099)	ND (0.024) ND (0.0096)	ND (0.026) ND (0.011)	ND (0.023) ND (0.01)	ND (0.025)	ND (0.00022)
3,3'-Dichlorobenzidine	0.0019	0.0064	ND (0.026)	ND (0.024)	ND (0.025)	ND (0.024)	ND (0.026)	ND (0.025)	ND (0.025)	ND (0.0022)				
3-Nitroaniline	*	*	ND (0.026)	ND (0.024)	ND (0.025)	ND (0.024)	ND (0.026)	ND (0.025)	ND (0.025)	ND (0.0011)				
4,6-Dinitro-2-methylphenol	*	*	ND (0.026)	ND (0.024)	ND (0.025)	ND (0.024)	ND (0.026)	ND (0.025)	ND (0.025)	ND (0.0022)				
4-Bromophenyl phenyl ether	*	*	ND (0.011)	ND (0.0095)	ND (0.01)	ND (0.01)	ND (0.0099)	ND (0.01)	ND (0.0099)	ND (0.0096)	ND (0.011)	ND (0.01)	ND (0.0099)	ND (0.00022)
4-Chloro-3-methylphenol 4-Chloroaniline	0.15	0.41	ND (0.011) ND (0.011)	ND (0.0095) ND (0.0095)	ND (0.01) ND (0.01)	ND (0.01) ND (0.01)	ND (0.0099) ND (0.0099)	ND (0.01) ND (0.01)	ND (0.0099) ND (0.0099)	ND (0.0096) ND (0.0096)	ND (0.011) ND (0.011)	ND (0.01) ND (0.01)	ND (0.0099) ND (0.0099)	ND (0.00053) ND (0.00022)
4-Chlorophenyl phenyl ether	0.13	0.41	ND (0.011) ND (0.011)	ND (0.0095)	ND (0.01) ND (0.01)	ND (0.01) ND (0.01)	ND (0.0099)	ND (0.01) ND (0.01)	ND (0.0099)	ND (0.0096)	ND (0.011)	ND (0.01)	ND (0.0099)	ND (0.00022)
4-Methylphenol	0.18	0.51	ND (0.011) UJ	ND (0.0095) UJ	ND (0.01) UJ	ND (0.01) UJ	ND (0.0099) UJ	ND (0.01) UJ	ND (0.0099) UJ	ND (0.0096) UJ	ND (0.011) UJ	ND (0.01) UJ	ND (0.0099) UJ	ND (0.00053)
4-Nitroaniline	*	*	ND (0.026)	ND (0.024)	ND (0.025)	ND (0.024)	ND (0.026)	ND (0.025)	ND (0.025)	ND (0.0011)				
4-Nitrophenol	*	*	ND (0.026)	ND (0.024)	ND (0.025)	ND (0.024)	ND (0.026)	ND (0.025)	ND (0.025)	ND (0.0022)				
Acenaphthene	0.46	4.2 0.73	=	=	=	=	-	=	-	=	=	=	-	ND (0.00022)
Acenaphthylene Aniline	0.071	0.73 *	- ND (0.026) UJ	ND (0.024) UJ	ND (0.025) UJ	ND (0.025) UJ	- ND (0.025) UJ	- ND (0.025) UJ	- ND (0.025) UJ	ND (0.024) UJ	ND (0.026) UJ	- ND (0.025) UJ	ND (0.025) UJ	ND (0.00022)
Anthracene	0.043	0.043	-	-	-	-	-	-	-	-	-	-	-	ND (0.00022)
Benzo(a)anthracene	0.0012	0.0039	-	-	-	-	-	-	-	-	-	-	-	ND (0.00022)
Benzo(a)pyrene	0.0002	0.00039	-	-	-	-	-	-	-	-	-	-	-	ND (0.00022)
Benzo(b)fluoranthene	0.0012	0.0015 0.00026	-	-	-	-	-	-	-	-	-	-	-	ND (0.00022)
Benzo(g,h,i)perylene Benzo(k)fluoranthene	0.00026 0.0008	0.00026	-	-	-	-	-	-	-	-	-	-	-	ND (0.00022) ND (0.00022)
Benzoic acid	150	410	ND (0.026)	ND (0.024)	ND (0.025)	ND (0.024)	ND (0.026)	ND (0.025)	ND (0.025)	ND (0.0053)				
Benzyl alcohol	11	31	ND (0.011)	ND (0.0095)	ND (0.01)	ND (0.01)	ND (0.0099)	ND (0.01)	ND (0.0099)	ND (0.0096)	ND (0.011)	ND (0.01)	ND (0.0099)	0.000093 J
bis(2-Chloroethoxy)methane	*	*	ND (0.011)	ND (0.0095)	ND (0.01)	ND (0.01)	ND (0.0099)	ND (0.01)	ND (0.0099)	ND (0.0096)	ND (0.011)	ND (0.01)	ND (0.0099)	ND (0.00022)
bis(2-Chloroethyl)ether	0.00015	0.0026	ND (0.011)	ND (0.0095)	ND (0.01)	ND (0.01)	ND (0.0099)	ND (0.01)	ND (0.0099)	ND (0.0096)	ND (0.011)	ND (0.01)	ND (0.0099)	ND (0.00022)
bis(2-Ethylhexyl)phthalate (DEHP) Butyl benzylphthalate (BBP)	0.006 2.7	0.2 2.7	ND (0.011) ND (0.011)	ND (0.0095) ND (0.0095)	ND (0.01) ND (0.01)	ND (0.01) ND (0.01)	ND (0.0099) ND (0.0099)	ND (0.01) ND (0.01)	ND (0.0099) ND (0.0099)	ND (0.0096) UJ ND (0.0096) UJ	ND (0.011) UJ ND (0.011) UJ	ND (0.01) ND (0.01)	ND (0.0099) ND (0.0099)	0.00027 J ND (0.00022)
Chrysene	0.0016	0.0016	(0.011)	-	-	-	-	-	-	-	-	-	-	ND (0.00022)
Dibenz(a,h)anthracene	0.00012	0.00039	-	-	-	-	-	-	-	-	-	-	-	ND (0.00022)
Dibenzofuran	0.015	0.2	-	-	-	-	-	-	-	-	-	-	-	ND (0.00022)
Diethyl phthalate	29	82	ND (0.011)	ND (0.0095) UJ	ND (0.01)	ND (0.01) UJ	ND (0.0099) UJ	ND (0.01) UJ	ND (0.0099) UJ	ND (0.0096) UJ	ND (0.011) UJ	ND (0.01)	ND (0.0099)	ND (0.00022) U
Dimethyl phthalate Di-n-butylphthalate (DBP)	360 3.6	1000 10	ND (0.011) ND (0.011)	ND (0.0095) ND (0.0095) UJ	ND (0.01) ND (0.01)	ND (0.01) ND (0.01) UJ	ND (0.0099) ND (0.0099) UJ	ND (0.01) ND (0.01) UJ	ND (0.0099) ND (0.0099) UJ	ND (0.0096) ND (0.0096) UJ	ND (0.011) ND (0.011) UJ	ND (0.01) ND (0.01)	ND (0.0099) ND (0.0099)	ND (0.00022) ND (0.00022) U
Di-n-octyl phthalate (DnOP)	0.02	0.020	ND (0.011) ND (0.011)	ND (0.0095)	ND (0.01) ND (0.01)	ND (0.01) ND (0.01)	ND (0.0099)	ND (0.01) ND (0.01)	ND (0.0099)	ND (0.0096)	ND (0.011) C)	ND (0.01)	ND (0.0099)	ND (0.00022) C
Fluoranthene	0.21	0.21	-	-	-	-	-	-	-	-	-	-	-	ND (0.00022)
Fluorene	0.31	2	-	-	-	-	-	-	-	-	-	-	-	ND (0.00022)
Hexachlorobenzene	0.001	0.0018	ND (0.011)	ND (0.0095)	ND (0.01)	ND (0.01)	ND (0.0099)	ND (0.01)	ND (0.0099)	ND (0.0096)	ND (0.011)	ND (0.01)	ND (0.0099)	ND (0.00022)
Hexachlorobutadiene Hexachlorocyclopentadiene	0.011 0.05	0.031 0.61	ND (0.011) ND (0.011)	ND (0.0095) ND (0.0095)	ND (0.01) ND (0.01)	ND (0.01) ND (0.01)	ND (0.0099) ND (0.0099)	ND (0.01) ND (0.01)	ND (0.0099) ND (0.0099)	ND (0.0096) ND (0.0096)	ND (0.011) ND (0.011)	ND (0.01) ND (0.01)	ND (0.0099) ND (0.0099)	ND (0.00022) ND (0.0011)
Hexachloroethane	0.036	0.1	ND (0.011) ND (0.011) UJ	ND (0.0095) UJ	ND (0.01) ND (0.01) UJ	ND (0.01) ND (0.01) UJ	ND (0.0099) UJ	ND (0.01) ND (0.01) UJ	ND (0.0099) UJ	ND (0.0096) ND (0.0096) UJ	ND (0.011) ND (0.011) UJ	ND (0.01) ND (0.01) UJ	ND (0.0099) UJ	ND (0.0011) ND (0.00022)
Indeno(1,2,3-cd)pyrene	0.000022	0.000022	-	-	-	-	-	-	-	-	-	-	-	ND (0.00022)
Isophorone	0.9	3	ND (0.011)	ND (0.0095)	ND (0.01)	ND (0.01)	ND (0.0099)	ND (0.01)	ND (0.0099)	ND (0.0096)	ND (0.011)	ND (0.01)	ND (0.0099)	ND (0.00022)
Naphthalene	0.0083	2	-	-		-	-	-	-	-	-		-	ND (0.00022)
Nitrobenzene	0.0043	0.051 *	ND (0.011)	ND (0.0095)	ND (0.01)	ND (0.01)	ND (0.0099)	ND (0.01)	ND (0.0099)	ND (0.0096)	ND (0.011)	ND (0.01)	ND (0.0099)	ND (0.00022)
N-Nitrosodimethylamine N-Nitrosodi-n-propylamine	0.00012	0.00041	ND (0.026) ND (0.011)	ND (0.024) ND (0.0095) UJ	ND (0.025) ND (0.01)	ND (0.025) ND (0.01) UJ	ND (0.025) ND (0.0099) UJ	ND (0.025) ND (0.01) UJ	ND (0.025) ND (0.0099) UJ	ND (0.024) ND (0.0096)	ND (0.026) ND (0.011)	ND (0.025) ND (0.01)	ND (0.025) ND (0.0099)	- ND (0.00022)
N-Nitrosodiphenylamine	0.17	0.58	ND (0.011) ND (0.011)	ND (0.0095)	ND (0.01) ND (0.01)	ND (0.01) ND (0.01)	ND (0.0099)	ND (0.01) ND (0.01)	ND (0.0099)	ND (0.0096)	ND (0.011)	ND (0.01)	ND (0.0099)	ND (0.00022)
Pentachlorophenol	0.001	0.024	ND (0.026)	ND (0.024)	ND (0.025)	ND (0.024)	ND (0.026)	ND (0.025)	ND (0.025)	ND (0.0011)				
Phenanthrene	0.023	0.31	-	-	-		-	-	-	-	-	-	-	ND (0.00022)
Phenol	11	31	ND (0.011)	ND (0.0095)	ND (0.01)	ND (0.01) U	ND (0.0099)	ND (0.01) U	ND (0.0099)	ND (0.0096)	ND (0.011)	ND (0.01)	ND (0.0099)	ND (0.00053)
Pyrene	0.14	0.14	=	=	=	=	-	=	-	=	=	=	-	ND (0.00022)

TABLE 5.7 Page 2 of 2

SUMMARY OF PHASE IIB RFI GROUNDWATER SVOC ANALYTICAL DATA - BEDROCK WELLS RADIO MATERIALS CORPORATION ATTICA, INDIANA

Sample Location:			BW-01	BW-02	BW-03	BW-04	BW-05	BW-06	BW-07	BW-08	BW-08	BW-09	BW-10	BW-14A
Sample ID:			GW-102603-MG-037	GW-102503-MG-033	GW-102603-MG-034	GW-102403-MG-028	GW-102503-MG-031	GW-102503-MG-030	GW-102503-MG-029	GW-102803-MG-051	GW-102803-MG-052	GW-102603-MG-035	GW-102703-MG-050	W-022708-JH-003
Sample Date:			10/26/2003	10/25/2003	10/26/2003	10/24/2003	10/25/2003	10/25/2003	10/25/2003	10/28/2003	10/28/2003	10/26/2003	10/27/2003	2/27/2008
Sample Type:											(Duplicate)			
	IDEM RISC Defar													
Parameters	Residential	Industrial												
	а	ь												
Semivolatile Organic Compounds-BNA	SIM (mg/L)													
2-Methylnaphthalene	0.031	0.41	ND (0.000021) U	ND (0.00002) U	ND (0.00002) U	ND (0.000022) U	ND (0.00002)	ND (0.000044) U	ND (0.00002) U	ND (0.000023) U	ND (0.000022) U	ND (0.00002) U	ND (0.00002) U	-
Acenaphthene	0.46	4.2	ND (0.000021)	0.0000032 J	0.0000028 J	ND (0.000022)	ND (0.00002)	0.000003 J	ND (0.00002)	ND (0.000023)	ND (0.000022)	0.0000025 J	0.0000057 J	-
Acenaphthylene	0.071	0.73	0.0000021 J	ND (0.00002)	0.0000025 J	ND (0.000022)	ND (0.00002)	ND (0.00002)	ND (0.00002)	ND (0.000023)	ND (0.000022)	0.0000022 J	ND (0.00002)	-
Anthracene	0.043	0.043	0.000002 J	0.0000018 J	0.0000027 J	ND (0.000022)	ND (0.00002)	0.0000022 J	ND (0.00002)	ND (0.000023)	ND (0.000022)	0.0000031 J	0.0000017 J	-
Benzo(a)anthracene	0.0012	0.0039	ND (0.000021)	0.0000033 J	0.0000031 J	ND (0.000022)	ND (0.00002)	0.0000033 J	ND (0.00002)	ND (0.000023)	ND (0.000022)	0.0000034 J	ND (0.00002)	-
Benzo(a)pyrene	0.0002	0.00039	0.0000021 J	0.0000036 J	0.0000041 J	ND (0.000022)	ND (0.00002)	ND (0.00002)	ND (0.00002)	ND (0.000023)	ND (0.000022)	0.0000039 J	ND (0.00002)	-
Benzo(b)fluoranthene	0.0012	0.0015	ND (0.000021) U	ND (0.00002) U	ND (0.00002) U	ND (0.000022) U	ND (0.00002) U	ND (0.00002)	ND (0.00002) U	ND (0.000023)	ND (0.000022)	ND (0.00002) U	ND (0.00002) U	-
Benzo(g,h,i)perylene	0.00026	0.00026	0.0000048 J	0.000012 J	0.0000074 J	0.0000066 J	ND (0.00002)	ND (0.00002)	ND (0.00002)	ND (0.000023)	ND (0.000022)	0.0000049 J	ND (0.00002)	-
Benzo(k)fluoranthene	0.0008	0.00080	ND (0.000021) U	0.0000029 J	ND (0.00002) U	ND (0.000022)	ND (0.00002)	ND (0.00002)	ND (0.00002)	ND (0.000023)	ND (0.000022)	ND (0.00002) U	0.0000024 J	-
Chrysene	0.0016	0.0016	0.0000028 J	0.0000058 J	0.0000029 J	0.0000014 J	ND (0.00002)	0.0000064 J	ND (0.00002)	ND (0.000023)	ND (0.000022)	0.0000034 J	0.0000018 J	-
Dibenz(a,h)anthracene	0.00012	0.00039	0.0000033 J	ND (0.00002)	0.0000061 J	0.0000021 J	ND (0.00002)	ND (0.00002)	ND (0.00002)	ND (0.000023)	ND (0.000022)	0.000006 J	ND (0.00002)	-
Dibenzofuran	0.015	0.2	ND (0.000021)	ND (0.00002)	ND (0.00002)	ND (0.000022)	ND (0.00002)	ND (0.00002)	ND (0.00002)	ND (0.000023)	ND (0.000022)	ND (0.00002)	ND (0.00002)	-
Fluoranthene	0.21	0.21	ND (0.000021) U	0.000012 J	ND (0.00002) U	ND (0.000022)	ND (0.00002)	0.000012 J	0.0000027 J	ND (0.000023)	ND (0.000022)	ND (0.00002) U	0.0000034 J	-
Fluorene	0.31	2	0.0000033 J	0.0000035 J	0.0000034 J	ND (0.000022)	ND (0.00002)	0.0000068 J	ND (0.00002)	ND (0.000023)	ND (0.000022)	0.0000036 J	ND (0.00002)	-
Indeno(1,2,3-cd)pyrene	0.000022	0.000022	0.0000034 J	0.000003 J	0.000006 J	0.0000027 J	ND (0.00002)	ND (0.00002)	ND (0.00002)	ND (0.000023)	ND (0.000022)	0.0000043 J	ND (0.00002)	-
Naphthalene	0.0083	2	ND (0.000021) U	ND (0.00002) U	ND (0.00002) U	ND (0.000022) U	ND (0.00002) U	ND (0.00012) U	ND (0.00002) U	ND (0.000023) U	ND (0.000022) U	ND (0.00002) U	ND (0.00002) U	-
Phenanthrene	0.023	0.31	0.0000051 J	0.000019 J	0.0000046 J	0.0000041 J	ND (0.00002)	0.000017 J	0.0000036 J	ND (0.000023)	ND (0.000022)	0.0000066 J	0.0000049 J	-
Pyrene	0.14	0.14	0.0000033 J	0.000014 J	0.0000037 J	0.0000035 J	ND (0.00002)	0.000018 J	ND (0.00002)	ND (0.000023)	ND (0.000022)	0.0000045 J	ND (0.00002)	-

Notes:

IDEM - Indiana Department of Environmental Management

RISC - Risk Integrated System of Closure

mg/L - milligrams per liter

* - Criteria not established for this analyte.

ND(0.50) - Analyte not detected at quantitation limit in parenthesis.

J - The associated value is an estimated quantity.

U - Not present at or above the associated value.

UJ - The material was analyzed for, but was not detected. The associated value is an estimate and may be inaccurate or imprecise.

TABLE 5.8 Page 1 of 2

Parameter Para	Sample Location: Sample ID: Sample Date: Sample Type:			BW-01 GW-102603-MG-037 10/26/2003	BW-01 GW-042407-NH-062 4/24/2007	BW-02 GW-102503-MG-033 10/25/2003	BW-02 GW-041307-NH-014 4/13/2007	BW-03 GW-102603-MG-034 10/26/2003	BW-04 GW-102403-MG-028 10/24/2003	BW-04 GW-041807-NH-028 4/18/2007	BW-05 GW-102503-MG-031 10/25/2003	BW-05 GW-041607-NH-022 4/16/2007	BW-06 GW-102503-MG-030 10/25/2003	BW-06 GW-120704-MG-031 12/7/2004	BW-07 GW-102503-MG-029 10/25/2003	BW-07 GW-072505-TP-002 7/25/2005
Marie Mari																
Manifung	Purumeters															
Americanic (alsoleve)	Metals (mg/L)															
Actionary Low			*	0.134	-	1.12	-	0.175	0.199	-	0.0724	-	10.1	-	0.328	-
Anterior (Aluminum (dissolved)				-	-	-			-	-	-		-	-	-
Assertic 01 01 01 01 01 01 0000000000000000000	*			ND (0.00005)	=	0.00061	-	0.00008	ND (0.00005)	=	ND (0.00005)	=	0.00012	=	0.00002	=
Association Control	* * '				-		-			-		-		-	- 0.0004	- 0.0010 I
Parism				` '	-	0.0019	-			-	0.0003	-	0.0075	-	0.0004	0.00013 J
Farting (fistowbord) 2.0 2.0 2.0 1.0	, ,					0.149	-			-	0.208		0.239	-	0.271	- -
Perf Minim					_	0.14)				-	0.250			-	0.271	-
Position (dissolved) 0.004					_	0.00006	-			_	ND (0.00002)			_	0.00002	-
Calcium (dissolved) 0.005				, ,	-		-		, ,	-	, ,	-		-	-	-
Calcium Section Calcium Calc	Cadmium	0.005	0.051	0.00011	-	0.00012	-	0.0001	0.00013	-	0.00009	-	0.00035	-	0.00011	-
Calcium (dissolved)	Cadmium (dissolved)	0.005	0.051	-	=	-	-	-	-	-	=	=	=	=	-	-
Chemium Total dissolved 0.1 0.31 ND (0.005) - 0.0044 J - ND (0.005) ND (0.005) - ND (0.005) - ND (0.005) - 0.0112 - Chemium Total dissolved 0.1 0.31 ND (0.01) - ND (0.01) - ND (0.01) ND (0.01) ND (0.01) - ND (0				92.1	-	68.8	-	74.6	85.9	-	89.4	-	85.6	-	87.7	86.7
Cobail (alssolved)					-	-	-			-	-	-	-	-	-	-
Cobal				` '			-	, ,	, ,	-	· ·			-	0.0042 J	0.00113
Collification Temperature	,	ea 0.1			-		-			-				-	- NID (0.01)	-
Copper 1.3		*		ND (0.01)	-	` '	-			-	` '	-		-	ND (0.01)	-
Coper (dissolved)	, ,	13	41	0.0002			-			-		-		-	0.00053	-
Fron										_				_	-	_
Fire (dissolved)				1.88	-	3.28	-	0.409	0.852	-	0.626	-	10.7	-	2.37	0.961
Led (dissolved) 0.015 0.042 - - - - - - 0.00001 J Magnesium * * 30.2 - 21.3 - 25 29.1 - 31.7 - - 3.4 - Magnesium (dissolved) * * * 0.0729 - 0.126 - 0.031 0.0462 - 0.0644 - 0.336 - Manganese (dissolved) * * * 0.0672 - 0.075 - 0.0595 - 0.0749 - - - Mercury 0.002 0.031 ND (0.0002) - ND (0.002) ND (0.002) ND (0.002) ND (0.002) - ND (0.002)	Iron (dissolved)	*	*	-	0.584	-	0.882	-	-	0.516	-	0.669	-	-	-	-
Magnesium * * 30.2 - 21.3 - 25 29.1 - 31.7 - 33.4 - Magnesium (dissolved) * * * 0.0729 - 0.126 - 0.031 0.0462 - 0.044 - 0.536 - Manganese (dissolved) * * * - 0.0672 - 0.075 - - 0.0595 - 0.0749 - - Mercury 0.002 0.031 ND (0.002) - ND (0.002) ND (0.002) ND (0.002) - ND (0.002) ND (0.002) - ND (0.002)	Lead	0.015	0.042	0.00007	-	0.00259	-	0.00021	0.00025	-	0.00002	-	0.0292 ^a	0.000062	0.00025	0.00009
Magnesium (dissolved) * * * * * -	Lead (dissolved)	0.015	0.042	-	-	-	-	-	-	-	-	-	-	0.00001 J	-	-
Marganese * * * * 0.0729 - 0.126 - 0.031 0.0462 - 0.0595 - 0.0644 - 0.536 - 0.0749 - 0.075 - 0.075 - 0.0595 - 0.0749 - 0	Magnesium		*	30.2	=	21.3	-	25	29.1	-	31.7	=	33.4	=	31.3	28.6
Marganese (dissolved) * * * * - 0.0672 - 0.0775 0.0595 - 0.0749	0 (,				-		-			-		-		-	-	-
Mercury 0.002 0.031 ND (0.0002) - ND (0.002)						0.126		0.031		=	0.0644			=	0.0922	-
Mercury (dissolved) 0.002 0.031 -<						- (0.0000)								-	-	-
Nickel 0.73 2 ND (0.02) - ND (ND (0.0002)	=			=				=	ND (0.0002)	-
Nickel (dissolved) 0.73 2					-	NID (0.02)	-			-		-		-	ND (0.02)	-
Potassium * * 2.45 - 2.95 - 3.68 2.94 - 2.5 - 4.75 - Potassium (dissolved) * * * * -<				, ,	-	TVD (0.02)	-			-	` '	-		-	ND (0.02)	-
Potassium (dissolved) * * * -					-	2.95	-			-		-		-	1.75 J	2.13
Selenium (dissolved) 0.05 0.51		*	*		-	-	-			-		-	-	-	- 1	-
	Selenium	0.05	0.51	ND (0.001)	-	0.0008	-	ND (0.001)	ND (0.002)	-	0.0006	-	0.0015	-	0.0006	-
					=	-	-	-	-	-	=	=	÷	=	-	-
	Silver	0.18	0.51	0.00003	-	0.00007	-	0.00003	0.00004	-	0.00003	-	0.00009	-	0.00004	-
Silver (dissolved) 0.18 0.51					=		-			=		=		=	<u>-</u>	- -
Sodium * * 13.2 - 15.3 - 26 15.9 - 12.5 - 54.8 -					-		-	26		-	12.5	-		-	12.1	11.6
50dulii (ussoiveu)	, ,				-		-	NID (0.00002)		-	NID (0.00002)	-		=	0.000008 [-
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$				· · ·	-	0.000038	-	, ,	, ,	-	, ,	-		-	0.000008 J	-
Trainfum (dissolved) 0.002 0.0072					- -	0.00223	-			- -		-		- -	0.0007	-
variation 0.000 - 0.0025 - 0.0025 - 0.000 - 0.000 - 0.0001 - 0.0001 - 0.0001 - 0.0001 - 0.0001 - 0.0001 - 0.0001 - 0.0001 - 0.0001 - 0.0001 - 0.0001 - 0.0001 - 0.0001 - 0.0001 - 0.0001		*	*		- -		-			- -		- -		- -	-	-
Zinc 11 31 ND (0.01) - 0.0147 - ND (0.01) ND (0.01) - ND (0.01) - 0.0697 -	, ,	11	31		-		-			-		-	0.0697	-	ND (0.01)	_
Zinc (dissolved) 11 31					-		-		-	-		-		=	- (/	-

TABLE 5.8 Page 2 of 2

SUMMARY OF PHASE IIB RFI GROUNDWATER METALS ANALYTICAL DATA - BEDROCK WELLS RADIO MATERIALS CORPORATION ATTICA, INDIANA

Sample Location: Sample ID: Sample Date: Sample Type:			BW-08 GW-102803-MG-051 10/28/2003	BW-08 GW-102803-MG-052 10/28/2003 (Duplicate)	BW-08 GW-041807-NH-031 4/18/2007	BW-09 GW-102603-MG-035 10/26/2003	BW-09 GW-041607-NH-020 4/16/2007	BW-10 GW-102703-MG-050 10/27/2003	BW-10 GW-072505-TP-005 7/25/2005	BW-14A W-022708-JH-003 2/27/2008	BW-18 GW-041807-NH-032 4/18/2007	BW-18 GW-041807-NH-033 4/18/2007 (Duplicate)	BW-18A GW-042307-NH-054 4/23/2007
Parameters	IDEM RISC Defau Residential	Industrial											
Metals (mg/L)	а	ь											
Aluminum	*	*	ND (0.05)	0.053		ND (0.05)		0.448		ND (0.05)			
Aluminum (dissolved)	*	*	TVD (0.05)	0.003		-	_	0.110	_	ND (0.05)	-		_
Antimony	0.006	0.041	0.00009	0.00009	_	ND (0.00005)	_	ND (0.00005)	-	0.00006	_	-	_
Antimony (dissolved)	0.006	0.041	-	-	_	-	_	-	-	0.00013	_	_	-
Arsenic	0.01	0.01	0.0006	0.0006	-	ND (0.0005)	-	0.0008	0.0005	0.00081	-	-	-
Arsenic (dissolved)	0.01	0.01	÷	-	-	-	-	-	-	0.00078	Ē	-	-
Barium	2.0	20	0.252	0.246	-	0.191	-	0.223	-	0.138	-	-	-
Barium (dissolved)	2.0	20	-	-	-	-	-	-	-	0.136	-	-	-
Beryllium	0.004	0.2	ND (0.00004)	ND (0.00004)	-	ND (0.00002)	-	0.00002	=	0.000009 J	-	-	-
Beryllium (dissolved)	0.004	0.2	-	-	-	· -	-	-	=	0.000011 J	-	-	-
Cadmium	0.005	0.051	0.00013	0.00005	-	0.00011	-	0.00011	-	0.000021	-	-	-
Cadmium (dissolved)	0.005	0.051	-	-	-	-	-	-	-	0.000032	-	-	=
Calcium	*	*	86.4	87.3	-	86.5	-	96.6	96.9	82.7	-	-	-
Calcium (dissolved)	*	*	-	-	-	-	-	-	-	85.8	-	-	-
Chromium	0.1	0.31	ND (0.005)	ND (0.005)	-	ND (0.005)	-	ND (0.005)	0.00146	0.00018 J	-	-	-
Chromium Total (dissolved		0.31	-	-	-	-	-	-	=	0.00014 J	-	-	-
Cobalt	*	*	ND (0.01)	ND (0.01)	-	ND (0.01)	-	ND (0.01)	=	0.000265	-	-	-
Cobalt (dissolved)	*	*	-	-	-		-	<u>-</u>	-	0.00446	-	-	-
Copper	1.3	4.1	0.00008	ND (0.0002)	-	ND (0.0001)	-	0.00046	-	0.0204	-	-	-
Copper (dissolved)	1.3	4.1 *	- 0.5550	- 0.70	=	-	-	-	-	0.00076	=	=	-
Iron	*	*	0.773	0.78	- 0.644	0.431	1.50	1.16	0.755	0.699	0.0044 I	0.0040 I	2.00
Iron (dissolved)			-	-	0.644	-	1.52	-	-	0.688	0.0044 J	0.0049 J	2.08
Lead	0.015	0.042	0.00004 J	0.00004 J	-	ND (0.00002)	-	0.00036	0.00013	ND (0.05)	-	-	-
Lead (dissolved)	0.015	0.042	-	-	-	-	-	-	-	ND (0.05)	-	-	-
Magnesium	*	*	31.1	31.3	-	29.4	-	31.5	31.6	28.3	-	-	-
Magnesium (dissolved)	*	*	-	-	-	- 0.0495	-	-	-	29.3	=	=	-
Manganese	*	*	0.0412	0.0422	- 0.0445	0.0625	- 0.450	0.074	-	0.0834	- NID (0.00E) II	- NID (0.005) II	0.0704
Manganese (dissolved)			NID (0.0002)	- NID (0.0002)	0.0445	NID (0.0002)	0.473	NID (0.0002)	-	0.0878	ND (0.005) U	ND (0.005) U	0.0704
Mercury	0.002 0.002	0.031 0.031	ND (0.0002)	ND (0.0002)	-	ND (0.0002)	-	ND (0.0002)	=	ND (0.0002)	-	-	-
Mercury (dissolved) Nickel	0.73	2	ND (0.02)	ND (0.02)	-	ND (0.02)	-	ND (0.02)	-	ND (0.0002) 0.00406	-	-	-
Nickel (dissolved)	0.73	2	ND (0.02)	ND (0.02)	-	ND (0.02)	-	ND (0.02)	-	0.00408	-	-	-
Potassium	*	*	1.14 J	1.4 J	-	2.39	_	2.22	2.45	2.79	-	-	-
Potassium (dissolved)	*	*	1.14)	-		2.37	_		2.40	3.67	-		_
Selenium	0.05	0.51	0.0005	0.0004	_	ND (0.001)	_	ND (0.001)	-	0.0004 J	_	_	_
Selenium (dissolved)	0.05	0.51	-	-	_	-	_	- (0.001)	_	0.0002 J	_	_	_
Silver	0.18	0.51	0.00004 J	ND (0.00004)	_	0.00004	_	ND (0.00002)	_	ND (0.0002) U	_	-	_
Silver (dissolved)	0.18	0.51	-	- ((_	-	_	- (- (_	ND (0.00002) U	_	_	-
Sodium	*	*	7.71	7.81	_	15.8	-	10.7	10.8	15.9	_	_	-
Sodium (dissolved)	*	*	-	-	-	-	-	-	-	16.6	-	-	-
Thallium	0.002	0.0072	ND (0.00004)	ND (0.00004)	-	ND (0.00002)	-	ND (0.00002)	-	ND (0.00002)	-	-	-
Thallium (dissolved)	0.002	0.0072	-	-	-	-	-	-	-	ND (0.00002)	-	-	-
Vanadium	*	*	0.00029 J	0.00022 J	-	0.0003	-	0.0006	-	0.00005 J	-	-	-
Vanadium (dissolved)	*	*	-	- 1	-	-	-	-	-	ND (0.0002)	-	-	-
Zinc	11	31	ND (0.01)	ND (0.01)	-	ND (0.01)	-	ND (0.01)	-	0.00853	-	-	-
Zinc (dissolved)	11	31	-	-	-	-	-	-	-	0.00615	-	-	-

Notes:

IDEM - Indiana Department of Environmental Management
RISC - Risk Integrated System of Closure
mg/L - milligrams per liter
* - Criteria not established for this analyte.
ND(0.50) - Analyte not detected at quantitation limit in parenthesis.
J - The associated value is an estimated quantity.
U - Not present at or above the associated value.

TABLE 5.9 Page 1 of 5

SUMMARY OF PHASE IIB RFI GROUNDWATER VOC ANALYTICAL DATA - OVERBURDEN VERTICAL AQUIFER SCREENING LOCATIONS RADIO MATERIALS CORPORATION ATTICA, INDIANA

Part																	
Professor Prof	Sample ID: Sample Date:	IDFM RISC Defai	ult Clasure I enels	GW-040706-MG-001 4/7/2006	GW-041006-MG-002 4/10/2006	GW-041006-MG-003 4/10/2006	GW-041006-MG-004 4/10/2006	GW-041106-MG-005 4/11/2006	GW-041106-MG-006 4/11/2006	GW-041106-MG-007 4/11/2006	GW-072605-MG-001 7/26/2005	GW-072605-MG-002 7/26/2005	GW-072605-MG-003 7/26/2005	GW-072705-MG-004 7/27/2005	GW-072705-MG-005 7/27/2005	GW-072705-MG-006 7/27/2005	GW-072705-MG-007 7/27/2005
Marchester Mar	Parameters																
1.0. 1.0.	Volatile Organic Compounds (mg/L)	а	ь														
1.0. 1.0.		0.0069	0.11	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
L. C. Parlamentum 1. C. Parlam				' '		, ,	, ,	, ,	` ,			•	•		, ,		
1.				, ,	, ,	, ,	, ,	, ,	, ,	, ,	, ,	, ,	, ,	, ,	, ,	, ,	
Class																	
1.4. 1.4. 1.5.			5.1	` /				,	' '	` ,			, ,		, ,		
1-2-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1		*	*	` /	, ,	, ,	. ,	. ,	, ,	, ,	, ,	, ,	, ,	, ,	, ,	, ,	, ,
1-2-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1		*	*	, ,	, ,	, ,		` /	, ,	, ,	, ,	, ,	, ,	, ,	, ,	, ,	, ,
Application		0.07	1	ND (0.002)	, ,	, ,	, ,	, ,	ND (0.002)	, ,	, ,	, ,	ND (0.002)	, ,	ND (0.002)	, ,	
1.				, ,	` ,	, ,	, ,	` '	, ,	` '	` '	, ,	, ,	, , ,	, , -	·	
1.																	
1.2541.00 1.254				, ,	, ,	, ,	, ,	, ,	, ,	, ,	, ,	, ,	, ,	, ,	, ,	, ,	, ,
Scheenstermen				, ,	ND (0.0005)	, ,	ND (0.0005)	ND (0.0005)	ND (0.0005)	, ,	ND (0.0005)	, ,	ND (0.0005)	ND (0.0005)	ND (0.0005)	, ,	, ,
1.200 1.20				' '		` /	, ,	` ,	` /	'	' '	` /	(/	,	· /	` ,	
1.				, ,	, ,	, ,	, ,	` '	, ,	, ,	, ,	, ,	, ,	' '	, ,	, ,	, ,
2-22-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-				' '			, ,	, ,	` ,	'			, ,	, ,			
Second			0.12														
Part			* 41		, ,	, ,	, ,	, ,	, ,	, ,		, ,	, ,	, ,	, ,		, ,
		*	*				, ,	, ,					, , ,		, , ,		
- Anti-Montane		*	*														
Medical place Medical plac		*	*	, ,	\ /		, ,	\ /	, ,	\ /	` '	' '	\ /	' '	` ,	\ /	
Methyl skewyl kewne Methyl sewyl kewne Methyl skewyl s		•	•	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
Renement		2.2	8.2	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)
Bennedichienceshare Dis		0.005	0.052	, ,	, ,	, ,	, ,	, ,	, ,	, ,	, ,	' '	•	, ,	, ,	·	•
Bemeindem 10,8 10,8 10,5 10,10005		0.08	0.08		` ,			` '			` '						
Carbon testabelinde	Bromoform			ND (0.0005)	0.00035 J			, ,	, ,	ND (0.0005)	, ,	, ,	, ,	. ,	, ,	, ,	, ,
Carbon tetracherische 0.05 0.022 ND (0.0005) ND				(/	, ,	, ,	, ,	, ,	` /	, ,	, , ,	, , ,	, , ,	, , ,	, , ,	, , ,	
Chlore-bearemethane Chlore-bearemethane Chlore-bearemethane Chlore-bear Chlo							, ,	, ,	\ /					, ,	, ,		
Charlesterminate Charlesterm			2	(/	, ,	, ,	, ,	, ,	` /	, ,	, ,	, ,	, ,	, ,	, ,	, ,	
0.0000000000000000000000000000000000			*	, ,	, ,	, ,	, ,	, ,	, ,	, ,	, ,	, ,	, ,	, ,	, ,	, ,	, ,
Calconomethane (Anthyl Ichlaride) Calconomethane (Anthyl Ichl			0.99	\ /					\ /						` ,	' '	
			*	, ,	, ,	, ,	, ,	, ,	, ,	, ,	, ,	, ,	, ,	, ,	, ,		. ,
		0.07	1			, ,	, ,	,	\ /	'	` ,	` /	, ,	, , ,	, , ,	, , ,	, , ,
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $		*	*	\ /		` ,	, ,		` ,	'	' '		, ,		, ,	\ /	
		*	*	, ,	, ,			, ,		, ,	, ,			, , ,			
		*	*														
Hesachlorobutadiene 0.011 0.031 ND (0.002) ND (0.		*	*	, ,	, ,	, ,	, ,	ND (0.0005)	, ,	, ,	, ,	, ,	, ,	, ,	, ,	, ,	, ,
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$, ,	, ,	, ,	, ,			, ,			
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$			*				, ,	, ,	, ,	, ,	, ,		, ,	, ,	, ,		
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$			0.38					, ,									
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	•		2														
o-Xylene * * ND (0.0005) ND (0.0005) <td></td> <td></td> <td>4.1</td> <td></td>			4.1														
			*		, ,			, ,	, ,								
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	Styrene		20	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$			*	<u> </u>				` ,									
$ trans-1/2- Dichloroethene \\ 0.1 \\ 2 \\ 0.00032 \\ I \\ 0.00064 \\ 0.00038 \\ I \\ ND \\ (0.0005) \\$, ,		•							
			8.2 2											, ,			
trans-1,5-Dictinorproperie ND (0.0005) ND	trans-1,3-Dichloropropene	*	*	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)

Trichloroethene

Trichlorofluoromethane (CFC-11) Vinyl chloride

0.005

0.002

0.045ab

ND (0.0005)

ND (0.0005)

0.0072

0.004

0.037ab

ND (0.0005)

ND (0.0005)

0.021ab

ND (0.0005)

ND (0.0005)

0.016ab

ND (0.0005)

ND (0.0005)

0.0028

0.00024 J

ND (0.0005)

0.0083ab

ND (0.0005

ND (0.0005)

0.0075ab

ND (0.0005)

ND (0.0005)

0.0085ab

ND (0.0005)

ND (0.0005)

0.0023

ND (0.0005)

ND (0.0005)

0.0012

ND (0.0005)

ND (0.0005)

0.0024

ND (0.0005)

ND (0.0005)

0.0044

ND (0.0005)

ND (0.0005)

0.014ab

ND (0.0005)

ND (0.0005)

0.011ab

ND (0.0005)

ND (0.0005)

TABLE 5.9 Page 2 of 5

SUMMARY OF PHASE IIB RFI GROUNDWATER VOC ANALYTICAL DATA - OVERBURDEN VERTICAL AQUIFER SCREENING LOCATIONS RADIO MATERIALS CORPORATION ATTICA, INDIANA

Samula Lacation			OB-45D	OB-46D	OB-47D	OB-47D	OB-47D	OB-47D	OB-47D							
Sample Location: Sample ID:			GW-072805-MG-008	GW-041806-MG-010	GW-041906-MG-011	GW-041906-MG-012	GW-041906-MG-013	GW-041906-MG-014	GW-041906-MG-015	GW-041906-MG-016	GW-042006-MG-017	GW-041706-MG-008	GW-041706-MG-009	GW-042606-MG-028	GW-042606-MG-029	GW-042606-MG-030
Sample Date:			7/28/2005	4/18/2006	4/19/2006	4/19/2006	4/19/2006	4/19/2006	4/19/2006	4/19/2006	4/20/2006	4/17/2006	4/17/2006	4/26/2006	4/26/2006	4/26/2006
Sample Depth:	IDENTIFICAD (1.01 1 1	(120-130) ft BGS	(37-55) ft BGS	(55-65) ft BGS	(65-75) ft BGS	(75-85) ft BGS	(85-95) ft BGS	(95-105) ft BGS	(105-115) ft BGS	(115-125) ft BGS	(37-55) ft BGS	(55-65) ft BGS	(65-75) ft BGS	(75-85) ft BGS	(85-95) ft BGS
Parameters	IDEM RISC Defai Residential	ult Closure Levels Industrial														
1 mmeters	а	<i>b</i>														
Volatile Organic Compounds (mg/L)																
1,1,1,2-Tetrachloroethane	0.0069	0.11	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,1,1-Trichloroethane 1,1,2,2-Tetrachloroethane	0.2 0.0009	29 0.014	0.00017 J ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	0.00015 J ND (0.0005)	0.00017 J ND (0.0005)	0.00017 J ND (0.0005)	0.00016 J ND (0.0005)
1,1,2-Trichloroethane	0.005	0.05	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,1-Dichloroethane	0.99	10	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,1-Dichloroethene	0.007	5.1 *	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,1-Dichloropropene 1,2,3-Trichlorobenzene	*	*	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)
1,2,3-Trichloropropane	*	*	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
1,2,4-Trichlorobenzene	0.07	1	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
1,2,4-Trimethylbenzene	0.016	5.1	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	0.0002 J	ND (0.002)	ND (0.002)
1,2-Dibromo-3-chloropropane (DBCP)	0.00005	* 0.0014	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
1,2-Dibromoethane (Ethylene dibromide) 1,2-Dichlorobenzene	0.00003	9.2	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)
1,2-Dichloroethane	0.005	0.031	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,2-Dichloropropane	0.005	0.042	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,3,5-Trimethylbenzene	0.016	5.1	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
1,3-Dichlorobenzene 1,3-Dichloropropane	0.08	0.31	ND (0.0005)	ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,3-Dichloropropane 1,4-Dichlorobenzene	0.075	0.12	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)
2,2-Dichloropropane	*	*	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
2-Butanone (Methyl ethyl ketone) (MEK)	8.4	61	ND (0.02) ÚJ	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)							
2-Chlorotoluene	*	*	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
2-Hexanone	*	*	ND (0.02) UJ ND (0.002)	ND (0.02) ND (0.002)	ND (0.02) ND (0.002)	ND (0.02) ND (0.002)	ND (0.02) ND (0.002)	ND (0.02) ND (0.002)	ND (0.02) ND (0.002)							
2-Phenylbutane (sec-Butylbenzene) 4-Chlorotoluene	*	*	ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)
4-Methyl-2-pentanone			()	()	(****=)	()	()	()	()	()	()	()	(****=)	(****=)	(**** -)	()
(Methyl isobutyl ketone) (MIBK)	2.2	8.2	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)
Acetone	6.9 0.005	92	ND (0.02) UJ	ND (0.02)	ND (0.02)	ND (0.02)	0.0045 J	0.005 J	ND (0.02)							
Benzene Bromobenzene	0.005 *	0.052	0.00017 J ND (0.002)	ND (0.0005) ND (0.002)	0.00014 J ND (0.002)	ND (0.0005) ND (0.002)	0.00017 J ND (0.002)	ND (0.0005) ND (0.002)	0.00014 J ND (0.002)	0.00016 J ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	0.00014 J ND (0.002)	0.00018 J ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)
Bromodichloromethane	0.08	0.08	ND (0.0005)	ND (0.005)	ND (0.002)	ND (0.0005)	ND (0.005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.005)	ND (0.0005)	ND (0.005)	ND (0.005)	0.00011 J	ND (0.005)
Bromoform	0.08	0.36	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Bromomethane (Methyl bromide)	0.011	0.14	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ	ND (0.0005) UJ	ND (0.0005) UJ							
Carbon disulfide Carbon tetrachloride	1.3 0.005	10 0.022	0.00036 J ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) 0.00046 J	ND (0.0005) 0.00052	ND (0.0005) 0.00067	ND (0.0005) 0.00068	ND (0.0005) 0.00036 J
Chlorobenzene	0.1	2	0.00016 J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)							
Chlorobromomethane	*	*	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Chloroethane	0.062	0.99	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Chloroform (Trichloromethane)	0.08	1	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Chloromethane (Methyl chloride) cis-1,2-Dichloroethene	0.07	1	ND (0.0005) UJ ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)							
cis-1,3-Dichloropropene	*	*	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Cymene (p-Isopropyltoluene)	*	*	ND (0.002) ÚJ	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)							
Dibromochloromethane	*	*	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	0.00013 J	0.00012 J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Dibromomethane Dichlorodifluoromethane (CFC-12)	*	*	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)
Ethylbenzene	0.7	10	0.00014 J	ND (0.0005)	ND (0.0005)	ND (0.0005)	0.00017 J	ND (0.0005)	ND (0.0005)							
Hexachlorobutadiene	0.011	0.031	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
Isopropyl benzene	0.83	10	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
m&p-Xylene	*	*	0.00026 J	ND (0.0005)	ND (0.0005)	ND (0.0005)	0.00036 J	0.00025 J	ND (0.0005)							
Methylene chloride Naphthalene	0.005 0.0083	0.38 2	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND(0.002) ND (0.002)	ND (0.002) ND (0.002)
N-Butylbenzene	*	*	ND (0.002) UJ	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)							
N-Propylbenzene	0.31	4.1	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
o-Xylene	*	*	0.00011 J	ND (0.0005)	ND (0.0005)	ND (0.0005)	0.00012 J	ND (0.0005)	ND (0.0005)							
Styrene	0.1	20	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) U	ND (0.0005) U	ND (0.0005)
tert-Butylbenzene Tetrachloroethene	0.005	0.055	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)					
Toluene	0.005	0.055 8.2	0.00066	0.00011 J	ND (0.0005) 0.00011 J	0.00012 J	0.00016 J	ND (0.0005) ND (0.0005)	0.00015 J	0.00015 J	ND (0.0005) ND (0.0005) U	ND (0.0005) ND (0.0005)	0.00015 J	0.00062	ND (0.0005) ND (0.0005) U	ND (0.0005) ND (0.0005) U
trans-1,2-Dichloroethene	0.1	2	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
trans-1,3-Dichloropropene	*	*	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Trichloroethene	0.005	0.0072	0.0051 ^a	ND (0.0005)	ND (0.0005)	ND (0.0005)	0.00017 J	0.0011	0.0015	0.0027	0.0015	0.00081	0.00025 J	0.00022 J	0.00029 J	0.00021 J
Trichlorofluoromethane (CFC-11)	*	*	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Vinyl chloride	0.002	0.004	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)

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SUMMARY OF PHASE IIB RFI GROUNDWATER VOC ANALYTICAL DATA - OVERBURDEN VERTICAL AQUIFER SCREENING LOCATIONS RADIO MATERIALS CORPORATION ATTICA, INDIANA

Sample Location: Sample ID: Sample Date:			OB-47D GW-042606-MG-031 4/26/2006	OB-47D GW-042606-MG-032 4/26/2006	OB-47D GW-042606-MG-033 4/26/2006	OB-47D GW-042606-MG-034 4/26/2006	OB-48D GW-042106-MG-018 4/21/2006	OB-48D GW-042406-MG-019 4/24/2006	OB-48D GW-042406-MG-020 4/24/2006	OB-48D GW-042406-MG-021 4/24/2006	OB-48D GW-042406-MG-022 4/24/2006	OB-48D GW-042406-MG-023 4/24/2006	OB-48D GW-042506-MG-024 4/25/2006	OB-48D GW-042506-MG-025 4/25/2006	OB-48D GW-042506-MG-026 4/25/2006	OB-48D GW-042506-MG-027 4/25/2006
Sample Date. Sample Depth:			(95-105) ft BGS	4/20/2000 (105-115) ft BGS	(115-125) ft BGS	(125-133) ft BGS	(53-65) ft BGS	(65-75) ft BGS	(75-85) ft BGS	(85-95) ft BGS	(95-105) ft BGS	(105-115) ft BGS	(115-125) ft BGS	(125-135) ft BGS	(135-145) ft BGS	4)25)2000 (145-152) ft BGS
	IDEM RISC Defa	ult Closure Levels					,									
Parameters	Residential	Industrial														
Volatile Organic Compounds (mg/L)	а	Ь														
1,1,1,2-Tetrachloroethane	0.0069	0.11	ND (0.0005)													
1,1,1-Trichloroethane	0.2	29	ND (0.0005)													
1,1,2,2-Tetrachloroethane	0.0009	0.014	ND (0.0005)													
1,1,2-Trichloroethane	0.005	0.05	ND (0.0005)													
1,1-Dichloroethane	0.99	10	ND (0.0005)													
1,1-Dichloroethene	0.007	5.1	ND (0.0005)	ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005)	ND (0.0005)
1,1-Dichloropropene 1,2,3-Trichlorobenzene	*	*	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)	ND (0.0003) ND (0.002)	ND (0.0003)	ND (0.003)	ND (0.0005) ND (0.002)	ND (0.003)	ND (0.0005) ND (0.002)	ND (0.0005) ND (0.002)					
1,2,3-Trichloropropane	*	*	ND (0.002)	ND (0.0005)	ND (0.005)	ND (0.005)	ND (0.002)	ND (0.002)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.002)	ND (0.005)	ND (0.005)	ND (0.0005)
1,2,4-Trichlorobenzene	0.07	1	ND (0.002)													
1,2,4-Trimethylbenzene	0.016	5.1	ND (0.002)													
1,2-Dibromo-3-chloropropane (DBCP)	*	*	ND (0.002)													
1,2-Dibromoethane (Ethylene dibromide)	0.00005	0.0014	ND (0.002)													
1,2-Dichlorobenzene 1,2-Dichloroethane	0.6 0.005	9.2 0.031	ND (0.0005) ND (0.0005)													
1,2-Dichloropropane	0.005	0.042	ND (0.0005)													
1,3,5-Trimethylbenzene	0.016	5.1	ND (0.002)	ND (0.0003)	ND (0.002)	ND (0.0003)	ND (0.0003)	ND (0.002)	ND (0.003)	ND (0.0003)	ND (0.003)	ND (0.003)	ND (0.0003)	ND (0.0003)	ND (0.002)	ND (0.002)
1,3-Dichlorobenzene	0.08	0.31	ND (0.0005)													
1,3-Dichloropropane	*	*	ND (0.0005)													
1,4-Dichlorobenzene	0.075	0.12	ND (0.0005)													
2,2-Dichloropropane	*	*	ND (0.0005)													
2-Butanone (Methyl ethyl ketone) (MEK) 2-Chlorotoluene	8.4	61	ND (0.02) ND (0.002)													
2-Hexanone	*	*	ND (0.002)	ND (0.02)	ND (0.02)											
2-Phenylbutane (sec-Butylbenzene)	*	*	ND (0.002)													
4-Chlorotoluene	*	*	ND (0.002)													
4-Methyl-2-pentanone																
(Methyl isobutyl ketone) (MIBK)	2.2	8.2	ND (0.02)													
Acetone	6.9 0.005	92 0.052	ND (0.02)	0.006 J	0.005 J	ND (0.02)	0.0047 J	0.0045 J	0.0043 J							
Benzene Bromobenzene	0.005 *	0.032 *	ND (0.0005) ND (0.002)	0.00014 J ND (0.002)	ND (0.0005) ND (0.002)											
Bromodichloromethane	0.08	0.08	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	0.00014 J	0.00037 J	0.00066	0.00012 J	ND (0.002)	ND (0.002)	ND (0.002)	0.00016 J	ND (0.002)	ND (0.002)
Bromoform	0.08	0.36	ND (0.0005)													
Bromomethane (Methyl bromide)	0.011	0.14	ND (0.0005) UJ	ND (0.0005) UJ	ND (0.0005) UJ	ND (0.0005) UJ	ND (0.0005)									
Carbon disulfide	1.3	10	ND (0.0005)													
Carbon tetrachloride	0.005	0.022	ND (0.0005)													
Chlorobenzene Chlorobromomethane	0.1	2	ND (0.0005) ND (0.0005)													
Chloroethane	0.062	0.99	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005)	ND (0.0005)
Chloroform (Trichloromethane)	0.08	1	ND (0.0005)	0.00044 J	0.00074	ND (0.0005)										
Chloromethane (Methyl chloride)	*	*	ND (0.0005)	0.00015 J	0.00016 J	0.00015 J	0.00014 J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)					
cis-1,2-Dichloroethene	0.07	1	ND (0.0005)	0.00045 J	0.00075	ND (0.0005)	ND (0.0005)	0.00012 J	0.0005	ND (0.0005)						
cis-1,3-Dichloropropene	*	*	ND (0.0005)													
Cymene (p-Isopropyltoluene)	*	*	ND (0.002)													
Dibromochloromethane Dibromomethane	*	*	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	0.00017 J ND (0.0005)	ND (0.0005) ND (0.0005)	0.00026 J ND (0.0005)	0.00013 J ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	0.00023 J ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)
Dichlorodifluoromethane (CFC-12)	*	*	ND (0.0005)													
Ethylbenzene	0.7	10	ND (0.0005)	0.00014 J	ND (0.0005)											
Hexachlorobutadiene	0.011	0.031	ND (0.002)													
Isopropyl benzene	0.83	10	ND (0.002)													
m&p-Xylene	*	*	ND (0.0005)	0.00022 J	ND (0.0005)											
Methylene chloride Naphthalene	0.005 0.0083	0.38 2	ND (0.002) ND (0.002)	ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002)	0.00021 J	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002)	ND(0.002) ND (0.002)	ND (0.002)
N-Butylbenzene	v.0065 *	*	ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)
N-Propylbenzene	0.31	4.1	ND (0.002)													
o-Xylene	*	*	ND (0.0005)													
Styrene	0.1	20	ND (0.0005)													
tert-Butylbenzene	*	*	ND (0.002)													
Tetrachloroethene	0.005	0.055	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	0.00075	ND (0.0005)	0.00014 J	ND (0.0005)						
Toluene	1	8.2	ND (0.0005) U	ND (0.00058) U	ND (0.0005) U											
trans-1,2-Dichloroethene	0.1	2	ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
trans-1,3-Dichloropropene Trichloroethene		0.0072	ND (0.0005)	0.0092 ^{ab}	0.011 ^{ab}	ND (0.0005)										
Trichloroethene Trichlorofluoromethane (CFC-11)	0.005	0.0072 *	0.0032 ND (0.0005)	ND (0.0005)	ND (0.0005)	0.0019 ND (0.0005)	0.00066 ND (0.0005)	0.0014 ND (0.0005)	0.003 ND (0.0005)	0.002 ND (0.0005)	0.00036 J ND (0.0005)	0.0003 J ND (0.0005)	0.00057 ND (0.0005)	0.00058 ND (0.0005)	0.00037 J ND (0.0005)	0.00067 ND (0.0005)
Vinyl chloride	0.002	0.004	ND (0.0005)	ND (0.0005) ND (0.0005)												
<i>y</i>			(******)	(******)	()	()	()	. (/	. (******)	. ()	. ()	(******)	(~~~~~)	(//////////////////////////////////////	()	

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SUMMARY OF PHASE IIB RFI GROUNDWATER VOC ANALYTICAL DATA - OVERBURDEN VERTICAL AQUIFER SCREENING LOCATIONS RADIO MATERIALS CORPORATION ATTICA, INDIANA

Sample Location: Sample ID: Sample Date:			OB-49 GW-073107-TP-001 7/31/2007	OB-49 GW-073107-TP-002 7/31/2007	OB-49 GW-073107-TP-003 7/31/2007	OB-49 GW-073107-TP-004 7/31/2007	OB-49 GW-073107-TP-005 7/31/2007	OB-49 GW-080107-TP-006 8/1/2007	OB-49 GW-080107-TP-007 8/1/2007	OB-49 GW-080107-TP-008 8/1/2007	OB-50 GW-080607-TP-009 8/6/2007	OB-50 GW-080607-TP-010 8/6/2007	OB-50 GW-080607-TP-011 8/6/2007	OB-50 GW-080607-TP-012 8/6/2007	OB-50 GW-080607-TP-013 8/6/2007	OB-50 GW-080607-TP-014 8/6/2007
Sample Depth:	IDEM BUGG D. (1.01 1	(35-45) ft BGS	(45-55) ft BGS	(55-65) ft BGS	(65-75) ft BGS	(75-85) ft BGS	(85-95) ft BGS	(95-105) ft BGS	(105-120) ft BGS	(55-65) ft BGS	(65-75) ft BGS	(75-85) ft BGS	(85-95) ft BGS	(95-105) ft BGS	(105-120) ft BGS
Parameters	IDEM RISC Defa Residential	ault Closure Levels Industrial														
1 www.ccrs	а	b														
Volatile Organic Compounds (mg/L)																
1,1,1,2-Tetrachloroethane	0.0069	0.11	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)				
1,1,1-Trichloroethane	0.2	29	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)				
1,1,2,2-Tetrachloroethane	0.0009	0.014	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)				
1,1,2-Trichloroethane	0.005	0.05	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)				
1,1-Dichloroethane 1,1-Dichloroethene	0.99 0.007	10 5.1	ND (0.0005) ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005)
1,1-Dichloropropene	0.007 *	3.1	ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) ND (0.0005)
1,2,3-Trichlorobenzene	*	*	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.003)				
1,2,3-Trichloropropane	*	*	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)				
1,2,4-Trichlorobenzene	0.07	1	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)				
1,2,4-Trimethylbenzene	0.016	5.1	ND (0.002)	ND (0.002)	0.00026 J	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
1,2-Dibromo-3-chloropropane (DBCP)	*	*	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)				
1,2-Dibromoethane (Ethylene dibromide)	0.00005	0.0014	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)				
1,2-Dichlorobenzene	0.6	9.2	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)				
1,2-Dichloroethane	0.005	0.031	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)				
1,2-Dichloropropane	0.005	0.042	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)				
1,3,5-Trimethylbenzene	0.016	5.1	ND (0.002)	ND (0.002) ND (0.0005)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002) ND (0.0005)	ND (0.002)							
1,3-Dichlorobenzene 1,3-Dichloropropane	0.08	0.31	ND (0.0005) ND (0.0005)	ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)
1,4-Dichlorobenzene	0.075	0.12	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)				
2,2-Dichloropropane	*	*	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)				
2-Butanone (Methyl ethyl ketone) (MEK)	8.4	61	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)				
2-Chlorotoluene	*	*	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)				
2-Hexanone	*	*	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)				
2-Phenylbutane (sec-Butylbenzene)	*	*	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)				
4-Chlorotoluene	*	*	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)				
4-Methyl-2-pentanone																
(Methyl isobutyl ketone) (MIBK)	2.2	8.2	ND (0.02)	ND (0.02)	ND (0.02)	0.0067 J	ND (0.02)									
Acetone	6.9	92	ND (0.02)	0.0062 J	ND (0.02)	0.0056 J	ND (0.02)									
Benzene	0.005	0.052	ND (0.0005)	ND (0.0005)	0.0004 J	ND (0.0005)	0.00024 J	ND (0.0005)	0.00014 J	ND (0.0005)	ND (0.0005)					
Bromobenzene			ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)				
Bromodichloromethane	0.08 0.08	0.08 0.36	ND (0.0005) ND (0.0005)	0.00015 J ND (0.0005)	0.00079 0.00095	0.00012 J ND (0.0005)	0.00021 J ND (0.0005)	0.004 0.00068	0.0009 ND (0.0005)	0.002 0.00064	0.00017 J ND (0.0005)	0.0018 0.0022	0.00084 0.00099	0.00061 0.00062	0.00027 J ND (0.0005)	0.00033 J 0.0003 J
Bromoform Bromomethane (Methyl bromide)	0.08	0.14	ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Carbon disulfide	1.3	10	ND (0.0005)	0.00024 J	ND (0.0005)	0.00036 J	ND (0.0005)									
Carbon tetrachloride	0.005	0.022	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)				
Chlorobenzene	0.1	2	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)				
Chlorobromomethane	*	*	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)				
Chloroethane	0.062	0.99	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)				
Chloroform (Trichloromethane)	0.08	1	ND (0.0005)	ND (0.0005)	0.00028 J	ND (0.0005)	ND (0.0005)	0.0095	0.0017	0.0026	ND (0.0005)	0.00055	0.00033 J	0.00035 J	0.00016 J	0.00021 J
Chloromethane (Methyl chloride)	*	*	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)				
cis-1,2-Dichloroethene	0.07	1	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	0.00021 J	0.0004 J	0.0041	0.0049	0.0022				
cis-1,3-Dichloropropene	*	*	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)				
Cymene (p-Isopropyltoluene)	*	*	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)				
Dibromochloromethane	*	*	0.00018 J	0.00023 J	0.0014 ND (0.0005)	0.00025 J	0.00036 J	0.0021 ND (0.0005)	0.00048 J	0.0015 ND (0.0005)	0.0003 J	0.0034 ND (0.0005)	0.0016 ND (0.0005)	0.001 ND (0.0005)	0.00044 J	0.00056 ND (0.0005)
Dibromomethane Dichlorodifluoromethane (CFC-12)	*	*	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)				
Ethylbenzene	0.7	10	ND (0.0005)	ND (0.0005)	0.00037 J	ND (0.0005)	0.00017 J	ND (0.0005)								
Hexachlorobutadiene	0.011	0.031	ND (0.002)	ND (0.0003)	ND (0.002)	ND (0.003)	ND (0.002)	ND (0.002)	ND (0.0003)	ND (0.0003)	ND (0.003)	ND (0.003)	ND (0.0003)	ND (0.0003)	ND (0.003)	ND (0.002)
Isopropyl benzene	0.83	10	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)				
m&p-Xylene	*	*	ND (0.0005)	ND (0.0005)	0.00059	ND (0.0005)	0.00029 J	ND (0.0005)								
Methylene chloride	0.005	0.38	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)				
Naphthalene	0.0083	2	ND (0.002)	ND (0.002)	ND (0.002)	0.0011 J	ND (0.002)									
N-Butylbenzene	*	*	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)				
N-Propylbenzene	0.31	4.1	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)				
o-Xylene	*	*	ND (0.0005)	ND (0.0005)	0.00025 J	ND (0.0005)	0.00012 J	ND (0.0005)								
Styrene	0.1	20	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)				
tert-Butylbenzene	*	*	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)				
Tetrachloroethene	0.005	0.055	ND (0.0005)	0.00015 J	ND (0.0005)	0.00023 J	ND (0.0005)	0.00016 J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)				
Toluene	1	8.2	0.00012 J	0.00023 J	0.0013	0.00033 J	0.00073	0.00075	0.00026 J	0.00025 J	0.00017 J	0.00016 J	0.00033 J	0.00043 J	0.00024 J	0.00026 J
trans-1,2-Dichloroethene	0.1	2	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)				
trans-1,3-Dichloropropene	*	*	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)				
Trichloroethene	0.005	0.0072	ND (0.0005)	ND (0.0005)	0.00048 J	ND (0.0005)	0.00016 J	0.00064	0.00028 J	0.00019 J	0.00026 J	0.0022	0.0037	0.02ab	0.029 ^{ab}	0.016 ^{ab}
Trichlorofluoromethane (CFC-11)	*	*	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)				
Vinyl chloride	0.002	0.004	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)				

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SUMMARY OF PHASE IIB RFI GROUNDWATER VOC ANALYTICAL DATA - OVERBURDEN VERTICAL AQUIFER SCREENING LOCATIONS RADIO MATERIALS CORPORATION ATTICA, INDIANA

Sample Location: Sample ID: Sample Date:			OB-53 GW-080707-TP-015 8/7/2007	OB-53 GW-080707-TP-016 8/7/2007	OB-53 GW-080707-TP-017 8/7/2007	OB-53 GW-080707-TP-018 8/7/2007	OB-53 GW-080707-TP-019 8/7/2007	OB-53 GW-080707-TP-020 8/7/2007	OB-53 GW-080707-TP-021 8/7/2007	OB-54 GW-011008-NH-001 1/10/2008	OB-54 GW-011008-NH-002 1/11/2008	OB-54 GW-011008-NH-003 1/11/2008	OB-54 GW-011008-NH-004 1/11/2008	OB-54 GW-011008-NH-005 1/11/2008	OB-54 GW-011008-NH-006 1/11/2008
Sample Date: Sample Depth:			677/2007 (45-55) ft BGS	(55-65) ft BGS	65-75) ft BGS	677/2007 (75-85) ft BGS	(85-95) ft BGS	95-105) ft BGS	(105-120) ft BGS	(60-70) ft BGS	(70-80) ft BGS	(90-100) ft BGS	(100-110) ft BGS	(110-120) ft BGS	(120-130) ft BGS
Parameters	Residential	ault Closure Levels Industrial	((00 00/) (00 00/)	(== 15/)====	(,),,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	(** ***),* = ***	(,,	((== 13),====	(11 11),11 = 11	(,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	(200 220,), 2 2 2 2	(======================================	(
Volatile Organic Compounds (mg/L)	а	b													
1,1,1,2-Tetrachloroethane	0.0069	0.11	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)							
1,1,1-Trichloroethane	0.2	29	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)							
1,1,2,2-Tetrachloroethane	0.0009	0.014	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)							
1,1,2-Trichloroethane	0.005	0.05	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)							
1,1-Dichloroethane 1,1-Dichloroethene	0.99 0.007	10 5.1	ND (0.0005) ND (0.0005)	ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005)	ND (0.0005)
1,1-Dichloropropene	0.007 *	5.1 *	ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)
1,2,3-Trichlorobenzene	*	*	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)							
1,2,3-Trichloropropane	*	*	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)							
1,2,4-Trichlorobenzene	0.07	1	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)							
1,2,4-Trimethylbenzene	0.016	5.1	ND (0.002)	ND (0.002)	0.00033 J	ND (0.002)	0.00052 J	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
1,2-Dibromo-3-chloropropane (DBCP) 1,2-Dibromoethane (Ethylene dibromide)	* 0.00005	0.0014	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)							
1,2-Dichlorobenzene	0.6	9.2	ND (0.002)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)						
1,2-Dichloroethane	0.005	0.031	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)							
1,2-Dichloropropane	0.005	0.042	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)							
1,3,5-Trimethylbenzene	0.016	5.1	ND (0.002)	ND (0.002)	0.00014 J	ND (0.002)	0.00021 J	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
1,3-Dichlorobenzene	0.08	0.31	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)							
1,3-Dichloropropane		* 0.12	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)							
1,4-Dichlorobenzene 2,2-Dichloropropane	0.075	0.12	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)							
2-Butanone (Methyl ethyl ketone) (MEK)	8.4	61	ND (0.003)	ND (0.003)	ND (0.003)	ND (0.0003)	ND (0.003)	ND (0.003)							
2-Chlorotoluene	*	*	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)							
2-Hexanone	*	*	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)							
2-Phenylbutane (sec-Butylbenzene)	*	*	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)							
4-Chlorotoluene	*	*	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)							
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	2.2	8.2	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)							
Acetone	6.9	92	ND (0.02)	ND (0.02)	0.0082 J	0.005 J	0.0068 J	ND (0.02)	0.0053 J	ND (0.02)	ND (0.02)				
Benzene	0.005	0.052	ND (0.0005)	ND (0.0005)	0.00046 J	ND (0.0005)	0.00066	ND (0.0005)	0.00024 J	ND (0.0005)	ND (0.0005)				
Bromobenzene	*	*	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)							
Bromodichloromethane	0.08	0.08	0.00016 J	0.00025 J	0.0011	0.0024	0.0012	0.00082	0.0015	ND (0.0005)	ND (0.0005)				
Bromoform	0.08	0.36 0.14	ND (0.0005)	ND (0.0005)	0.0012	0.0033	0.0014	0.0012	0.0022	ND (0.0005)	ND (0.0005)				
Bromomethane (Methyl bromide) Carbon disulfide	0.011 1.3	0.14 10	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) 0.00016 J	ND (0.0005) ND (0.0005)	ND (0.0005) 0.00016 J	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)
Carbon tetrachloride	0.005	0.022	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)							
Chlorobenzene	0.1	2	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)							
Chlorobromomethane	*	*	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)							
Chloroethane	0.062	0.99	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)							
Chloroform (Trichloromethane)	0.08	1	0.00014 J ND (0.0005)	0.00014 J ND (0.0005)	0.00059 ND (0.0005)	0.00088 ND (0.0005)	0.00055 ND (0.0005)	0.00032 J ND (0.0005) U	0.00049 J ND (0.0005) U	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	0.00017 J ND (0.0005)	0.00014 J ND (0.0005)	ND (0.0005) ND (0.0005)
Chloromethane (Methyl chloride) cis-1,2-Dichloroethene	0.07	1	0.00018 J	0.00024 J	ND (0.0005)	0.00017 J	0.00012 J	ND (0.0005) ND (0.0005)	ND (0.0005)	0.011	0.023	0.0012	0.0063	0.0046	0.0027
cis-1,3-Dichloropropene	*	*	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)							
Cymene (p-Isopropyltoluene)	*	*	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)							
Dibromochloromethane	*	*	0.00022 J	0.00034 J	0.002	0.0047	0.0022	0.0017	0.0031	0.00013 J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Dibromomethane	*	*	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)							
Dichlorodifluoromethane (CFC-12) Ethylbenzene	0.7	10	ND (0.0005) 0.00016 J	ND (0.0005) ND (0.0005)	ND (0.0005) 0.00033 J	ND (0.0005) ND (0.0005)	ND (0.0005) 0.00054	ND (0.0005) ND (0.0005)	ND (0.0005) 0.00018 J	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)				
Hexachlorobutadiene	0.011	0.031	ND (0.002)	ND (0.0003)	ND (0.002)	ND (0.003)	ND (0.002)	ND (0.0003)	ND (0.002)	ND (0.0003)	ND (0.003)	ND (0.003)	ND (0.002)	ND (0.002)	ND (0.002)
Isopropyl benzene	0.83	10	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)							
m&p-Xylene	*	*	0.00054	0.00031 J	0.00073	ND (0.0005)	0.0011	ND (0.0005)	0.00033 J	ND (0.0005)	ND (0.0005)				
Methylene chloride	0.005	0.38	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)							
Naphthalene	0.0083	2	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)							
N-Butylbenzene N-Propylbenzene	0.31	4.1	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)							
o-Xylene	v.51	*	0.00019 J	0.00011 J	0.00028 J	ND (0.002) ND (0.0005)	0.00038 J	ND (0.002) ND (0.0005)	0.00014 J	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002)	ND (0.002)	ND (0.002) ND (0.0005)
Styrene	0.1	20	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)							
tert-Butylbenzene	*	*	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)							
Tetrachloroethene	0.005	0.055	0.00032 J	0.00046 J	0.00021 J	0.00029 J	ND (0.0005)	ND (0.0005)	ND (0.0005)	0.0002 J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	0.00034 J
Toluene	1	8.2	ND (0.0005) U	ND (0.0005) U	0.0013	ND (0.0005) U	0.002	ND (0.0005) U	ND (0.00071) U	0.00033 J	0.00014 J	ND (0.0005)	0.00015 J	0.00026 J	0.00016 J
trans-1,2-Dichloroethene	0.1	2	ND (0.0005)	0.00022 J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)							
trans-1,3-Dichloropropene	*	*	ND (0.0005)	ND (0.0005) 0.015 ^{ab}	ND (0.0005)	ND (0.0005)	ND (0.0005) 0.041 ^{ab}	ND (0.0005) 0.027 ^{ab}	ND (0.0005) 0.017 ^{ab}						
Trichloroethene Trichlorofluoromethane (CFC-11)	0.005	0.0072	0.004 ND (0.0005)	0.0047 ND (0.0005)	0.002 ND (0.0005)	0.0022 ND (0.0005)	0.0029 ND (0.0005)	0.0038 ND (0.0005)	0.0023 ND (0.0005)		0.029 ^{ab}	0.0028			
Vinyl chloride	0.002	0.004	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)							

Notes:

IDEM - Indiana Department of Environmental Management

RISC - Risk Integrated System of Closure

mg/L - milligrams per liter

* - Criteria not established for this analyte.

 $\ensuremath{\mathrm{ND}}(0.50)\,$ - Analyte not detected at quantitation limit in parenthesis.

J - The associated value is an estimated quantity.

U - Not present at or above the associated value.

 $UJ\ -\ The\ material\ was\ analyzed\ for,\ but\ was\ not\ detected.\ The\ associated\ value\ is\ an\ estimate\ and\ may\ be\ inaccurate\ or\ imprecise.$

TABLE 5.10 Page 1 of 2

SUMMARY OF PHASE IIB RFI GROUNDWATER VOC ANALYTICAL DATA - BEDROCK VERTICAL AQUIFER SCREENING LOCATIONS RADIO MATERIALS CORPORATION ATTICA, INDIANA

Sample Location: Sample ID: Sample Date:			BW-01 GW-090303-JM-014 9/3/2003	BW-01 GW-090303-JM-013 9/3/2003	BW-01 GW-090303-JM-012 9/3/2003	BW-01 GW-090303-JM-011 9/3/2003	BW-03 GW-082103-DC-10 8/21/2003	BW-03 GW-082103-DC-09 8/21/2003	BW-03 GW-082103-DC-08 8/21/2003	BW-03 GW-082103-DC-07 8/21/2003	BW-07 GW-081903-DC-03 8/19/2003	BW-07 GW-081903-DC-02 8/19/2003	BW-07 GW-081903-DC-01 8/19/2003	BW-07 GW-082003-DC-06 8/20/2003
Sample Depth: Parameters	IDEM RISC Defa Residential	ult Closure Levels Industrial	(73-84) ft BGS	(84-94) ft BGS	(94-105) ft BGS	(115-126) ft BGS	(36-47) ft BGS	(69-80) ft BGS	(101-112) ft BGS	(112-123) ft BGS	(79-90) ft BGS	(101-112) ft BGS	(133-144) ft BGS	(25-36) ft BGS
Volatile Organic Compounds (mg/L)	а	b												
1,1,1,2-Tetrachloroethane	0.0069	0.11	ND (0.0005)											
1,1,1-Trichloroethane	0.2	29	ND (0.0005)											
1,1,2,2-Tetrachloroethane	0.0009	0.014	ND (0.0005)											
1,1,2-Trichloroethane 1,1-Dichloroethane	0.005 0.99	0.05 10	ND (0.0005) ND (0.0005)											
1,1-Dichloroethene	0.007	5.1	ND (0.0005)	0.00019 J	0.00019 J	0.00016 J	0.00023 J							
1,1-Dichloropropene	*	*	ND (0.0005) UJ	ND (0.0005) UJ	ND (0.0005) UJ	ND (0.0005) UJ	ND (0.0005)							
1,2,3-Trichlorobenzene	*	*	ND (0.002)											
1,2,3-Trichloropropane	*	*	ND (0.0005)											
1,2,4-Trichlorobenzene	0.07	1	ND (0.002)											
1,2,4-Trimethylbenzene 1,2-Dibromo-3-chloropropane (DBCP)	0.016	5.1	ND (0.002) ND (0.002)	0.00018 J ND (0.002)	ND (0.002) ND (0.002)									
1,2-Dibromoethane (Ethylene dibromide)	0.00005	0.0014	ND (0.002)											
1,2-Dichlorobenzene	0.6	9.2	ND (0.0005)											
1,2-Dichloroethane	0.005	0.031	ND (0.0005)											
1,2-Dichloropropane	0.005	0.042	ND (0.0005)											
1,3,5-Trimethylbenzene 1,3-Dichlorobenzene	0.016 0.08	5.1 0.31	ND (0.002) ND (0.0005)											
1,3-Dichloropenzene 1,3-Dichloropropane	0.08 *	0.31 *	ND (0.0005) ND (0.0005)											
1,4-Dichlorobenzene	0.075	0.12	ND (0.0005)											
2,2-Dichloropropane	*	*	ND (0.0005)											
2-Butanone (Methyl ethyl ketone) (MEK)	8.4	61	ND (0.02)											
2-Chlorotoluene	*	*	ND (0.002)											
2-Hexanone	*	*	ND (0.02) UJ ND (0.002) UJ	ND (0.02) ND (0.002)										
2-Phenylbutane (sec-Butylbenzene) 4-Chlorotoluene	*	*	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) C) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002)	ND (0.002) ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002)	ND (0.002)
4-Methyl-2-pentanone			112 (0.002)	112 (0.002)	112 (0.002)	115 (0.002)	112 (0.002)	112 (0.002)	112 (0.002)	112 (0.002)	112 (0.002)	112 (0.002)	112 (0.002)	112 (0.002)
(Methyl isobutyl ketone) (MIBK)	2.2	8.2	ND (0.02)											
Acetone	6.9	92	ND (0.02)											
Benzene	0.005	0.052	ND (0.0005)	0.00024 J	ND (0.0005)									
Bromobenzene Bromodichloromethane	0.08	0.08	ND (0.002) ND (0.0005)											
Bromoform	0.08	0.36	ND (0.0005)											
Bromomethane (Methyl bromide)	0.011	0.14	ND (0.0005)											
Carbon disulfide	1.3	10	ND (0.0005)	0.00022 J	0.00028 J									
Carbon tetrachloride	0.005	0.022	ND (0.0005) UJ	ND (0.0005) UJ	ND (0.0005) UJ	ND (0.0005) UJ	ND (0.0005)							
Chlorobenzene Chlorobromomethane	0.1	2	ND (0.0005) ND (0.0005)											
Chloroethane	0.062	0.99	ND (0.0005)											
Chloroform (Trichloromethane)	0.08	1	ND (0.0005)											
Chloromethane (Methyl chloride)	*	*	ND (0.0005)											
cis-1,2-Dichloroethene	0.07	1	ND (0.0005)	ND (0.0005)	ND (0.0005)	0.003	0.001	0.0035	0.0059	0.0057	0.057	0.051	0.057	0.066
cis-1,3-Dichloropropene	*	*	ND (0.0005) UJ	ND (0.0005) UJ	ND (0.0005) UJ	ND (0.0005) UJ	ND (0.0005)							
Cymene (p-Isopropyltoluene)	*	*	ND (0.002) UJ	ND (0.002) UJ	ND (0.002) UJ	ND (0.002) UJ	ND (0.002)							
Dibromochloromethane Dibromomethane	*	*	ND (0.0005) ND (0.0005)											
Dichlorodifluoromethane (CFC-12)	*	*	ND (0.0005)											
Ethylbenzene	0.7	10	ND (0.0005)	0.00016 J	ND (0.0005)									
Hexachlorobutadiene	0.011	0.031	ND (0.002)											
Isopropyl benzene	0.83	10	ND (0.002) UJ	ND (0.002) UJ	ND (0.002) UJ	ND (0.002) UJ	ND (0.002)							
m&p-Xylene	*	*	ND (0.0005)	0.00044 J	ND (0.0005)									
Methylene chloride Naphthalene	0.005 0.0083	0.38	ND (0.002) ND (0.002)											
N-Butylbenzene	*	*	ND (0.002)											
N-Propylbenzene	0.31	4.1	ND (0.002)											
o-Xylene	*	*	ND (0.0005) UJ	ND (0.0005) UJ	ND (0.0005) UJ	ND (0.0005) UJ	ND (0.0005)	0.00026 J	ND (0.0005)					
Styrene	0.1	20	ND (0.0005) UJ	ND (0.0005) UJ	ND (0.0005) UJ	ND (0.0005) UJ	ND (0.0005)							
tert-Butylbenzene	*	*	ND (0.002) UJ	ND (0.002) UJ	ND (0.002) UJ	ND (0.002) UJ	ND (0.002)							
Tetrachloroethene	0.005	0.055	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	0.0018	0.0035	0.0069ª	0.0061 ^a	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Toluene trans-1,2-Dichloroethene	1 0.1	8.2 2	ND (0.0005) U ND (0.0005)	ND (0.00062) U ND (0.0005)	ND (0.0005) U ND (0.0005)	ND (0.00083) U 0.00018 J	0.00094 ND (0.0005)	0.0057 ND (0.0005)	0.025 ND (0.0005)	0.01 ND (0.0005)	0.0017 0.0019	0.003 0.0016	0.013 0.0017	0.0013 0.002
trans-1,2-Dichloropene trans-1,3-Dichloropropene	*	*	ND (0.0005) ND (0.0005) UJ	ND (0.0005) ND (0.0005) UJ	ND (0.0005) ND (0.0005) UJ	ND (0.0005) UJ	ND (0.0005) ND (0.0005)	ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Trichloroethene	0.005	0.0072	ND (0.0005)	ND (0.0005)	ND (0.0005)	0.0018	0.0015	0.0035	0.0071 ^a	0.0064 ^a	0.00064	0.00054	0.00065	0.00081
Trichlorofluoromethane (CFC-11)	*	*	ND (0.0005)											
Vinyl chloride	0.002	0.004	ND (0.0005)	0.0089 ^{ab}	0.0085 ^{ab}	0.0069 ^{ab}	0.013 ^{ab}							
•					• *	* *	• *	• • •	* *			•	•	

TABLE 5.10 Page 2 of 2

SUMMARY OF PHASE IIB RFI GROUNDWATER VOC ANALYTICAL DATA - BEDROCK VERTICAL AQUIFER SCREENING LOCATIONS RADIO MATERIALS CORPORATION ATTICA, INDIANA

Sample Location:			BW-07	BW-07	BW-07A	BW-07A	BW-14A	BW-14A	BW-14A	BW-18A	BW-18A	BW-18A	BW-18A	BW-18A
Sample ID:			GW-082003-DC-05	GW-082003-DC-04	GW-041906-NH-001	GW-042506-NH-002	GW-010808-TP-001	GW-011008-TP-002	GW-011108-TP-003	GW-050406-NH-003	GW-050806-NH-004	GW-051006-NH-005	GW-051506-NH-006	GW-051806-NH-007
Sample Date:			8/20/2003 (36-47) ft BGS	8/20/2003 (47-58) ft BGS	4/19/2006 (150-175) ft BGS	4/25/2006 (175-200) ft BGS	1/8/2008 (120-130) ft BGS	1/10/2008 (150-160) ft BGS	1/11/2008 (180-190) ft BGS	5/4/2006 (50-75) ft BGS	5/8/2006 (75-100) ft BGS	5/10/2006 (100-125) ft BGS	5/15/2006 (125-150) ft BGS	5/18/2006 (150-170) ft BGS
Sample Depth:	IDEM RISC Defa	ult Closure Levels	(30-47) Ji BG3	(47-38) Ji BG3	(130-173) Ji BG3	(173-200) ji BG3	(120-130) ji BG3	(130-100) ji BG3	(180-190) Ji BG3	(30-73) Ji BG3	(73-100) ji BG3	(100-125) ji BG3	(123-130) ji BG3	(130-170) ji BG3
Parameters	Residential a	Industrial b												
Volatile Organic Compounds (mg/L)														
1,1,1,2-Tetrachloroethane	0.0069	0.11	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,1,1-Trichloroethane	0.2	29	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,1,2,2-Tetrachloroethane 1,1,2-Trichloroethane	0.0009 0.005	0.014 0.05	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)
1,1-Dichloroethane	0.99	10	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,1-Dichloroethene	0.007	5.1	0.00037 J	0.00034 J	0.00036 J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,1-Dichloropropene	*	*	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,2,3-Trichlorobenzene	*	*	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
1,2,3-Trichloropropane	*	*	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,2,4-Trichlorobenzene 1,2,4-Trimethylbenzene	0.07 0.016	1 5.1	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) 0.00018 J	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)
1,2-Dibromo-3-chloropropane (DBCP)	*	*	ND (0.002)	ND (0.002) ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
1,2-Dibromoethane (Ethylene dibromide)	0.00005	0.0014	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
1,2-Dichlorobenzene	0.6	9.2	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,2-Dichloroethane	0.005	0.031	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,2-Dichloropropane	0.005	0.042	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,3,5-Trimethylbenzene 1,3-Dichlorobenzene	0.016 0.08	5.1 0.31	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)
1,3-Dichloropropane	*	*	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,4-Dichlorobenzene	0.075	0.12	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
2,2-Dichloropropane	*	*	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
2-Butanone (Methyl ethyl ketone) (MEK)	8.4	61	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	0.0082 J	0.013 J	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)
2-Chlorotoluene	*	*	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
2-Hexanone 2-Phenylbutane (sec-Butylbenzene)	*	*	ND (0.02) ND (0.002)	ND (0.02) ND (0.002)	ND (0.02) ND (0.002)	ND (0.02) ND (0.002)	ND (0.02) ND (0.002)	ND (0.02) ND (0.002)	ND (0.02) ND (0.002)	ND (0.02) ND (0.002)	ND (0.02) ND (0.002)	ND (0.02) ND (0.002)	ND (0.02) ND (0.002)	ND (0.02) ND (0.002)
4-Chlorotoluene	*	*	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
4-Methyl-2-pentanone			112 (0.002)	112 (0.002)	112 (0.002)	112 (0.002)	115 (0.002)	112 (0.002)	112 (0.002)	112 (0.002)	112 (0.002)	112 (0.002)	115 (0.002)	112 (0.002)
(Methyl isobutyl ketone) (MIBK)	2.2	8.2	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	0.046	0.017 J	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)
Acetone	6.9	92	ND (0.02)	ND (0.02)	ND (0.02)	0.0087 J	ND (0.02)	0.046	0.021	ND (0.02)	0.0057 J	ND (0.02)	ND (0.02)	ND (0.02)
Benzene	0.005	0.052	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	0.00028 J	0.00018 J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Bromobenzene Bromodichloromethane	0.08	0.08	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) 0.00017 J	ND (0.002) ND (0.0005)	ND (0.002) 0.00016 J	ND (0.002) 0.00031 J	ND (0.002) ND (0.0005)	ND (0.002) 0.00038 J	ND (0.002) 0.00066	ND (0.002) ND (0.0005)	ND (0.002) 0.00015 J
Bromoform	0.08	0.36	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	0.00038 J 0.00041 J	0.00093	ND (0.0005)	0.00013 J
Bromomethane (Methyl bromide)	0.011	0.14	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Carbon disulfide	1.3	10	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	0.00016 J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Carbon tetrachloride	0.005	0.022	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Chlorobenzene	0.1	2	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Chlorobromomethane Chloroethane	0.062	0.99	ND (0.0005) ND (0.0005)	ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)
Chloroform (Trichloromethane)	0.08	0.99	ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005)	ND (0.0005) 0.00022 J	ND (0.0005) ND (0.0005)	ND (0.0005) 0.00017 J	0.00032 J	ND (0.0005)	0.00014 J	0.00021 J	ND (0.0005)	ND (0.0005) U
Chloromethane (Methyl chloride)	*	*	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) U	ND (0.0005)	ND (0.0005) U	ND (0.0005)	ND (0.0005)	ND (0.0005)	0.00018 J	ND (0.0005)
cis-1,2-Dichloroethene	0.07	1	0.081 D ^a	0.074 D ^a	0.073 ^a	0.0069	0.0027	0.00097	0.0018	0.0013	0.00024 J	0.0003 J	0.00018 J	0.00015 J
cis-1,3-Dichloropropene	*	*	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Cymene (p-Isopropyltoluene)	*	*	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
Dibromochloromethane	*	*	ND (0.0005)	ND (0.0005)	ND (0.0005)	0.00019 J	ND (0.0005)	0.0002 J	0.00034 J	0.00016 J	0.00065	0.0012	ND (0.0005)	0.00034 J
Dibromomethane Dichlorodifluoromethane (CFC-12)	*	*	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	0.00022 J ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)
Ethylbenzene	0.7	10	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Hexachlorobutadiene	0.011	0.031	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
Isopropyl benzene	0.83	10	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
m&p-Xylene	*	*	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	0.00028 J	ND (0.0005)	ND (0.0005)
Methylene chloride	0.005	0.38	ND (0.002)	ND (0.002)	ND (0.002)	0.00043 J	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	0.0002 J	ND (0.002)	ND (0.002)	ND (0.002)
Naphthalene N-Butylbenzene	0.0083	<i>Z</i>	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	0.0007 J ND (0.002)	0.00055 J ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)
N-Propylbenzene	0.31	4.1	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
o-Xylene	*	*	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	0.00016 J	0.00019 J	ND (0.0005)	ND (0.0005)
Styrene	0.1	20	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
tert-Butylbenzene	*	*	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
Tetrachloroethene	0.005	0.055	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Toluene	1	8.2	0.00026 J	0.00022 J	0.0028	0.02	0.00086	0.0012	0.0022	0.00012 J	0.0037	0.0063	0.0028	0.0019
trans-1,2-Dichloroethene	0.1	2	0.0027 ND (0.0005)	0.0026 ND (0.0005)	0.0026 ND (0.0005)	0.00054 ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
trans-1,3-Dichloropropene	0.005		ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Trichloroethene Trichlorofluoromethane (CFC-11)	0.005	0.0072	0.0013 ND (0.0005)	0.0011 ND (0.0005)	0.0014 ND (0.0005)	0.0013 ND (0.0005)	0.00049 J ND (0.0005)	0.00088 ND (0.0005)	0.0028 ND (0.0005)	0.0016 ND (0.0005)	0.00074 ND (0.0005)	0.001 ND (0.0005)	0.00032 J ND (0.0005)	0.00066 ND (0.0005)
Vinyl chloride	0.002	0.004	0.014 ^{ab}	0.014 ^{ab}	0.011 ^{ab}	0.00069	0.0017	0.00011 J	0.00007 J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
· my i cinoriac	0.002	0.001		1 2321	1 2.322	0.00009	0.0017	0.00011 J	0.00007 j	1412 (0.0000)	142 (0.0003)	142 (0.0003)	112 (0.0000)	112 (0.0000)

Notes:

IDEM - Indiana Department of Environmental Management

RISC - Risk Integrated System of Closure

mg/L - milligrams per liter

* - Criteria not established for this analyte.

 $\ensuremath{\mathrm{ND}}(0.50)\,$ - $\,$ Analyte not detected at quantitation limit in parenthesis.

J - The associated value is an estimated quantity.

 $\boldsymbol{U}\,$ - $\,$ Not present at or above the associated value.

UJ - The material was analyzed for, but was not detected. The associated value is an estimate and may be inaccurate or imprecise.

TABLE 5.11

SUMMARY OF PHASE IIB RFI GROUNDWATER ANALYTICAL DATA - ARTESIAN WELL RADIO MATERIALS CORPORATION ATTICA, INDIANA

Sample Location:			Artesian Well	Artesian Well
Sample ID:			W-021805-MG-001	GW-072505-TP-001
Sample Date:	IDEM RISC Defau	lt Closure Levels	2/18/2005	7/25/2005
Parameters	Residential	Industrial		
Volatile Organic Compounds (mg/L)	а	b		
1,1,1,2-Tetrachloroethane	0.0069	0.11	ND (0.0005)	-
1,1,1-Trichloroethane	0.2	29	ND (0.0005)	-
1,1,2,2-Tetrachloroethane	0.0009	0.014	ND (0.0005)	-
1,1,2-Trichloroethane	0.005	0.05	ND (0.0005)	-
1,1-Dichloroethane	0.99	10	ND (0.0005)	=
1,1-Dichloroethene	0.007	5.1 *	0.00047 J	-
1,1-Dichloropropene 1,2,3-Trichlorobenzene	*	*	ND (0.0005)	-
1,2,3-Trichloropenzene 1,2,3-Trichloropropane	*	*	ND (0.002) ND (0.0005)	-
1,2,4-Trichlorobenzene	0.07	1	ND (0.0003)	- -
1,2,4-Trimethylbenzene	0.016	5.1	ND (0.002)	-
1,2-Dibromo-3-chloropropane (DBCP)	*	*	ND (0.002) UJ	-
1,2-Dibromoethane (Ethylene dibromide)	0.00005	0.0014	ND (0.002)	-
1,2-Dichlorobenzene	0.6	9.2	ND (0.0005)	-
1,2-Dichloroethane	0.005	0.031	ND (0.0005)	-
1,2-Dichloropropane	0.005	0.042	ND (0.0005)	-
1,3,5-Trimethylbenzene	0.016	5.1	ND (0.002)	=
1,3-Dichlorobenzene 1,3-Dichloropropane	0.08	0.31	ND (0.0005)	-
1,4-Dichlorobenzene	0.075	0.12	ND (0.0005) ND (0.0005)	<u>-</u>
2,2-Dichloropropane	*	*	ND (0.0005) UJ	-
2-Butanone (Methyl ethyl ketone) (MEK)	8.4	61	ND (0.02) UJ	-
2-Chlorotoluene	*	*	ND (0.002)	-
2-Hexanone	*	*	ND (0.02) ÚJ	-
2-Phenylbutane (sec-Butylbenzene)	*	*	ND (0.002)	-
4-Chlorotoluene	*	*	ND (0.002)	-
4-Methyl-2-pentanone				
(Methyl isobutyl ketone) (MIBK)	2.2	8.2	ND (0.02) UJ	-
Acetone	6.9	92	ND (0.02) UJ	-
Benzene Bromahanzene	0.005	0.052 *	ND (0.0005)	-
Bromobenzene Bromodichloromethane	0.08	0.08	ND (0.002) ND (0.0005)	-
Bromoform	0.08	0.36	ND (0.0005)	- -
Bromomethane (Methyl bromide)	0.011	0.14	ND (0.0005)	_
Carbon disulfide	1.3	10	ND (0.0005)	-
Carbon tetrachloride	0.005	0.022	ND (0.0005)	-
Chlorobenzene	0.1	2	ND (0.0005)	-
Chlorobromomethane	*	*	ND (0.0005)	-
Chloroethane	0.062	0.99	ND (0.0005)	-
Chloroform (Trichloromethane)	0.08	1	ND (0.0005)	=
Chloromethane (Methyl chloride)	*	*	ND (0.0005)	-
cis-1,2-Dichloroethene	0.07	1	0.098 ^a	-
cis-1,3-Dichloropropene	*	*	ND (0.0005)	-
Cymene (p-Isopropyltoluene)	*	*	ND (0.002)	-
Dibromochloromethane Dibromomethane	*	*	ND (0.0005) ND (0.0005)	-
Dichlorodifluoromethane (CFC-12)	*	*	ND (0.0005)	<u>-</u>
Ethylbenzene	0.7	10	ND (0.0005)	<u>-</u>
Hexachlorobutadiene	0.011	0.031	ND (0.002)	-
Isopropyl benzene	0.83	10	ND (0.002)	-
m&p-Xylene	*	*	ND (0.0005)	-
Methylene chloride	0.005	0.38	ND (0.002)	-
Naphthalene	0.0083	2	ND (0.002)	=
N-Butylbenzene	*	*	ND (0.002)	-
N-Propylbenzene	0.31	4.1 *	ND (0.002)	=
o-Xylene	0.1	20	ND (0.0005) ND (0.0005)	-
Styrene tert-Butylbenzene	V.1 *	*	ND (0.003)	-
Tetrachloroethene	0.005	0.055	ND (0.005)	<u>-</u>
Toluene	1	8.2	ND (0.0005)	-
trans-1,2-Dichloroethene	0.1	2	0.0038	-
trans-1,3-Dichloropropene	*	*	ND (0.0005)	-
Trichloroethene	0.005	0.0072	0.0018	-
Trichlorofluoromethane (CFC-11)	*	*	ND (0.0005)	-
Vinyl chloride	0.002	0.004	0.015 ^{ab}	-
Metals (mg/L)				
Arsenic	0.01	0.01	-	0.00079
Calcium	*	*	-	93.9
Chromium	0.1	0.31	-	0.00051
Iron	*	*	-	1.88
Lead	0.015 *	0.042	-	0.00026
Magnesium Potassium	*	*	-	30.8 2.42
Sodium	*	*	- -	11
				**

RISC - Risk Integrated System of Closure

 $\mbox{mg/L}\,$ - $\,\mbox{milligrams}$ per liter

* - Criteria not established for this analyte.

ND(0.50) - Analyte not detected at quantitation limit in parenthesis.

 $\boldsymbol{J}\,$ - $\,$ The associated value is an estimated quantity.

UJ - The material was analyzed for, but was not detected. The associated value is an estimate and may be inaccurate or imprecise.

TABLE 5.12

SUMMARY OF PHASE IIB RFI GROUNDWATER ANALYTICAL DATA - PRODUCTION WELLS RADIO MATERIALS CORPORATION ATTICA, INDIANA

				Drugen Dut.	Pr P P		DV/ 2 D . T//	P	7777.4	PV. 4	7747.4	DV. 1	7717.4	P*** 4		DV	D	7744.0	DV. (4	DVI 4
Sample Location: Sample ID:			PW-1 (Water Tower) W-081605-TP-001	PW-1 Pre Filter W-102803-MG-054	PW-1 Post Filter W-102803-MG-055	PW-1 Post Filter W-050405-MG-001	PW-1 Post Filter W-050405-MG-003	PW-1 Post Filter W-110805-MG-001	PW-1 W-020806-MG-001	PW-1 W-042307-NH-001	PW-1 GW-111207-NH-060	PW-1 W-021408-MG-001	PW-1 GW-042208-JP-060	PW-1 GW-100908-NH-001	PW-2 W-021804-MG-001	PW-2 W-042407-NH-002	PW-2 GW-111207-NH-061	PW-2 GW-013108-NH-060	PW-2 GW-042208-JP-061	PW-2 GW-100908-NH-002
Sample Date:			8/16/2005	10/28/2003	10/28/2003	5/4/2005	5/4/2005	11/8/2005	2/8/2006	4/23/2007	11/12/2007	2/14/2008	4/22/2008	10/9/2008	2/18/2004	4/24/2007	11/12/2007	1/31/2008	4/22/2008	10/9/2008
Parameters	IDEM RISC Defa Residential	ult Closure Levels Industrial																		
	a	ь																		
Volatile Organic Compounds (mg/L) 1,1,1,2-Tetrachloroethane	0.0069	0.11	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	_	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,1,1-Trichloroethane	0.2	29	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	-	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,1,2,2-Tetrachloroethane	0.0009	0.014	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	-	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,1,2-Trichloroethane 1,1-Dichloroethane	0.005 0.99	0.05 10	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	-	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)
1,1-Dichloroethene	0.007	5.1	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	-	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	0.00014 J	ND (0.0005)	ND (0.0005)
1,1-Dichloropropene	*	*	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	-	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,2,3-Trichlorobenzene 1,2,3-Trichloropropane	*	*	ND (0.002) ND (0.0005)	ND (0.002) UJ ND (0.0005)	ND (0.002) UJ ND (0.0005)	ND (0.002) ND (0.0005)	-	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)
1,2,4-Trichlorobenzene	0.07	1	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	-	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.003)	ND (0.002)	ND (0.002)
1,2,4-Trimethylbenzene	0.016	5.1	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	-	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
1,2-Dibromo-3-chloropropane (DBCP) 1,2-Dibromoethane (Ethylene dibromide)	0.00005	0.0014	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	-	ND (0.002) UJ ND (0.002)	ND (0.002) UJ ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	R ND (0.002)	ND (0.002) UJ ND (0.002)	ND (0.002) UJ ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	R ND (0.002)	ND (0.002) UJ ND (0.002)
1,2-Dichlorobenzene	0.6	9.2	ND (0.002)	ND (0.002)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	-	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002)	ND (0.002)	ND (0.002) ND (0.0005)	ND (0.002)	ND (0.002) ND (0.0005)	ND (0.002)	ND (0.002) ND (0.0005)	ND (0.002)	ND (0.002)	ND (0.002)
1,2-Dichloroethane	0.005	0.031	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	-	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,2-Dichloropropane	0.005 0.016	0.042	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	-	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,3,5-Trimethylbenzene 1,3-Dichlorobenzene	0.016	5.1 0.31	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005) UJ	ND (0.002) ND (0.0005) UJ	ND (0.002) ND (0.0005)	-	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)
1,3-Dichloropropane	*	*	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	-	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,4-Dichlorobenzene	0.075	0.12	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	-	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
2,2-Dichloropropane 2-Butanone (Methyl ethyl ketone) (MEK)	8.4	61	ND (0.0005) ND (0.02) UJ	ND (0.0005) UJ ND (0.02)	ND (0.0005) UJ ND (0.02)	ND (0.0005) ND (0.02) UJ	-	ND (0.0005) ND (0.02) UJ	ND (0.0005) UJ ND (0.02) UJ	ND (0.0005) ND (0.02) UJ	ND (0.0005) ND (0.02)	ND (0.0005) ND (0.02)	ND (0.0005) R	ND (0.0005) UJ R	ND (0.0005) ND (0.02) UJ	ND (0.0005) ND (0.02)	ND (0.0005) ND (0.02)	ND (0.0005) ND (0.02)	ND (0.0005) R	ND (0.0005) UJ R
2-Chlorotoluene	*	*	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	-	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
2-Hexanone	*	*	ND (0.02) UJ	ND (0.02)	ND (0.02)	ND (0.02) UJ	-	ND (0.02) UJ	ND (0.02) UJ	ND (0.02)	ND (0.02)	ND (0.02)	R	ND (0.02)	ND (0.02) UJ	ND (0.02)	ND (0.02)	ND (0.02)	R	ND (0.02)
2-Phenylbutane (sec-Butylbenzene) 4-Chlorotoluene	*	*	ND (0.002) ND (0.002)	ND (0.002) UJ ND (0.002)	ND (0.002) UJ ND (0.002)	ND (0.002) ND (0.002)	-	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)
4-Methyl-2-pentanone			112 (0.002)	112 (0.002)	112 (0.002)	112 (0.002)		112 (0.002)	112 (0.002)	112 (0.002)	112 (0.002)	112 (0.002)	112 (0.002)	112 (0.002)	142 (0.002)	112 (0.002)	112 (0.002)	112 (0.002)	112 (0.002)	112 (0.002)
(Methyl isobutyl ketone) (MIBK)	2.2	8.2	ND (0.02) UJ	ND (0.02)	ND (0.02)	ND (0.02) UJ	-	ND (0.02) UJ	ND (0.02) UJ	ND (0.02)	ND (0.02)	ND (0.02)	R	ND (0.02)	ND (0.02) UJ	ND (0.02)	ND (0.02)	ND (0.02)	R	ND (0.02)
Acetone Benzene	6.9 0.005	9 <u>2</u> 0.052	ND (0.02) UJ ND (0.0005)	ND (0.02) UJ ND (0.0005)	ND (0.02) UJ ND (0.0005)	ND (0.02) UJ ND (0.0005)	-	ND (0.02) UJ ND (0.0005)	ND (0.02) UJ ND (0.0005)	ND (0.02) ND (0.0005)	ND (0.02) ND (0.0005)	ND (0.02) ND (0.0005)	R ND (0.0005)	R ND (0.0005)	ND (0.02) UJ 0.0003 J	ND (0.02) ND (0.0005)	ND (0.02) ND (0.0005)	ND (0.02) ND (0.0005)	R ND (0.0005)	R ND (0.0005)
Bromobenzene	*	*	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	-	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
Bromodichloromethane	0.08	0.08	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	-	ND (0.0005)	ND (0.0005)	0.00014 J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Bromoform Bromomethane (Methyl bromide)	0.08 0.011	0.36 0.14	ND (0.0005) ND (0.0005) UJ	ND (0.0005) UJ ND (0.0005) UJ	ND (0.0005) UJ ND (0.0005) UJ	ND (0.0005) ND (0.0005)	-	ND (0.0005) UJ ND (0.0005)	ND (0.0005) ND (0.0005)	0.00037 J ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) UJ ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) UJ ND (0.0005)
Carbon disulfide	1.3	10	ND (0.0005)	ND (0.0005) UJ	ND (0.0005) UJ	ND (0.0005)	-	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Carbon tetrachloride	0.005	0.022	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	-	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Chlorobenzene Chlorobromomethane	0.1	2	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	-	ND (0.0005) ND (0.0005) UJ	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)
Chloroethane	0.062	0.99	ND (0.0005)	ND (0.0005) UJ	ND (0.0005) UJ	ND (0.0005)	-	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Chloroform (Trichloromethane)	0.08	1	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	-	ND (0.0005)	0.00015 J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	0.0001 J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Chloromethane (Methyl chloride) cis-1,2-Dichloroethene	0.07	*	ND (0.0005) 0.0041	ND (0.0005) 0.0058	ND (0.0005) 0.0037	ND (0.0005) 0.0049	-	ND (0.0005) 0.0086	0.00016 J 0.01	ND (0.0005) 0.0095	0.00025 J 0.0081	ND (0.0005) 0.0082	ND (0.0005) U 0.005	ND (0.0005) 0.0045	ND (0.0005) 0.015	ND (0.0005) 0.02	ND (0.0005) 0.01	ND (0.0005) 0.025	ND (0.0005) 0.012	0.00014 J 0.01
cis-1,3-Dichloropropene	*	*	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	-	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) UI	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ
Cymene (p-Isopropyltoluene)	*	*	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	-	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
Dibromochloromethane	*	*	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	-	ND (0.0005)	ND (0.0005)	0.00023 J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Dibromomethane Dichlorodifluoromethane (CFC-12)	*	*	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	-	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005) UJ	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)
Ethylbenzene	0.7	10	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	-	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Hexachlorobutadiene	0.011	0.031	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	-	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
Isopropyl benzene m&p-Xylene	0.83	10	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	-	ND (0.002) ND (0.0005) UJ	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)	ND (0.002) ND (0.0005)
Methylene chloride	0.005	0.38	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	-	ND (0.002)	ND (0.002)	ND (0.002) U	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
Naphthalene	0.0083	2	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	-	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002) UJ	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002) UJ
N-Butylbenzene N-Propylbenzene	0.31	* 4.1	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	-	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)	ND (0.002) ND (0.002)
o-Xylene	*	*	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	-	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
Styrene	0.1	20	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	-	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
tert-Butylbenzene	* 0.00E	*	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	-	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
Tetrachloroethene Toluene	0.005 1	0.055 8.2	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	-	ND (0.0005) ND (0.0005)	0.00015 J ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005) U	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005)	ND (0.0005) ND (0.0005) U	ND (0.0005) ND (0.0005)
trans-1,2-Dichloroethene	0.1	2	ND (0.0005)	0.00023 J	ND (0.0005)	0.00016 J	-	0.00033 J	0.00041 J	0.00035 J	0.0003 J	0.0003 J	0.00018 J	0.00013 J	0.00052	0.00084	0.00034 J	0.0011	0.00045 J	0.00034 J
trans-1,3-Dichloropropene	*	*	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	-	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) UJ
Trichloroethene Trichlorofluoromethane (CFC-11)	0.005	0.0072	0.0021 ND (0.0005)	0.0032 ND (0.0005)	0.0018 ND (0.0005)	0.0023 ND (0.0005)	-	0.0033 ND (0.0005)	0.0038 ND (0.0005)	0.0029 ND (0.0005)	0.0029 ND (0.0005)	0.0029 ND (0.0005)	0.0021 ND (0.0005)	0.0022 ND (0.0005)	0.0024 ND (0.0005)	0.0025 ND (0.0005)	0.002 ND (0.0005)	0.0029 ND (0.0005)	0.0026 ND (0.0005)	0.0021 ND (0.0005)
Vinyl chloride	0.002	0.004	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	-	0.00014 J	0.00022 J	0.00026 J	ND (0.0005)	0.00014 J	0.00008 J	ND (0.0005)	0.00075	0.0011	0.00043 J	0.0014	0.00061	0.00053

TABLE 5.12 Page 2 of 2

SUMMARY OF PHASE IIB RFI GROUNDWATER ANALYTICAL DATA - PRODUCTION WELLS RADIO MATERIALS CORPORATION ATTICA, INDIANA

Sample Location:			PW-1 (Water Tower)		PW-1 Post Filter				PW-1	PW-1	PW-1	PW-1	PW-1	PW-1	PW-2	PW-2	PW-2	PW-2	PW-2	PW-2
Sample ID:			W-081605-TP-001	W-102803-MG-054	W-102803-MG-055		W-050405-MG-003		W-020806-MG-001	W-042307-NH-001	GW-111207-NH-060	W-021408-MG-001	GW-042208-JP-060	GW-100908-NH-001	W-021804-MG-001	W-042407-NH-002	GW-111207-NH-061	GW-013108-NH-060	GW-042208-JP-061	GW-100908-NH-00
Sample Date:			8/16/2005	10/28/2003	10/28/2003	5/4/2005	5/4/2005	11/8/2005	2/8/2006	4/23/2007	11/12/2007	2/14/2008	4/22/2008	10/9/2008	2/18/2004	4/24/2007	11/12/2007	1/31/2008	4/22/2008	10/9/2008
_	IDEM RISC Defau		3																	
Parameters	Residential	Industrial																		
	а	ь																		
Metals (mg/L)				ATT (0.05)	NTD (0.05)															
Aluminum		*	-	ND (0.05)	ND (0.05)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Antimony	0.006	0.041	-	ND (0.00005)	0.00003	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	0.01	0.01	-	0.0004	0.0003	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	2.0	20	-	0.14	0.135	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Beryllium	0.004	0.2	-	ND (0.00002)	ND (0.00002)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	0.005	0.051	-	0.00011	0.00011	-	- 02.4	-	-	-	-	-	-	-	-	-	-	-	-	-
Calcium		*	-	94.1	94.5	-	93.4	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	0.1	0.31	-	ND (0.005)	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	1.2	4.7	-	ND (0.01)	ND (0.01)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Copper	1.3	4.1	-	0.00155	0.00447	-	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-
Iron	0.045		-	0.333	0.0612	-	0.03	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	0.015	0.042	-	0.00011	0.0006	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Magnesium	*	*	-	33.3	33.8 0.0064	-	0.0005.1	-	-	-	-	-	-	-	-	-	-	-	-	-
Manganese	0.002	0.031	-	0.06 ND (0.0002)	0.0064 ND (0.0002)	-	0.0005 J	-	-	-	-	-	-	-	-	-	-	-	-	-
Mercury Nickel	0.002 0.73	0.031	-		ND (0.0002) ND (0.02)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	0.73	*	-	ND (0.02)		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Potassium	0.05	0.51	-	1.8 J 0.0006	1.41 J 0.0007	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Selenium		0.51	-			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Silver	0.18	U.51	-	ND (0.00002) 7.56	0.00001 J 7.56	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sodium Thallium	0.002	0.0072	-	7.56 0.000015 J	7.56 0.000015 J	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium	0.002	0.0072	-	0.00015 J	0.000015 J 0.00014 J	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium Zinc	11	21	-	0.005	0.00014)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Notes:

IDEM - Indiana Department of Environmental Management

RISC - Risk Integrated System of Closure

mg/L - milligrams per liter

* - Criteria not established for this analyte.

ND(0.50) - Analyte not detected at quantitation limit in parenthesis.

J - The associated value is an estimated quantity.

R - The sample results are rejected due to serious deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte cannot be verified.

U - Not present at or above the associated value.

UJ - The material was analyzed for, but was not detected. The associated value is an estimate and may be inaccurate or imprecise.

TABLE 5.13

SUMMARY OF RESIDENTIAL WATER ANALYTICAL DATA RADIO MATERIALS CORPORATION ATTICA, INDIANA

Sample Location: Sample ID:			1001 Reimer Rd W-102803-MG-056	1001 Reimer Rd W-102803-MG-057	1009 Reimer Rd W-102803-MG-058	1007 Reimer Rd W-102803-MG-059	1050 E. Summit St. W-102803-MG-060
Sample Date: Sample Type:	IDEM RISC Defa	ult Closure Levels	10/28/2003	10/28/2003 Duplicate	10/28/2003	10/28/2003	10/28/2003
Parameters Parameters	Residential	Industrial		zupneme			
	a	b					
Volatile Organic Compounds (mg/L) 1,1,1,2-Tetrachloroethane	0.0069	0.11	ND (0.0005)				
1,1,1-Trichloroethane	0.0009	29	ND (0.0005)				
1,1,2,2-Tetrachloroethane	0.0009	0.014	ND (0.0005)				
1,1,2-Trichloroethane	0.005	0.05	ND (0.0005)				
1,1-Dichloroethane	0.99	10	ND (0.0005)				
1,1-Dichloroethene	0.007	5.1	ND (0.0005)				
1,1-Dichloropropene 1,2,3-Trichlorobenzene	-	-	ND (0.0005) ND (0.002) UJ				
1,2,3-Trichloropropane	-	-	ND (0.005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.005)
1,2,4-Trichlorobenzene	0.07	1	ND (0.002)				
1,2,4-Trimethylbenzene	0.016	5.1	ND (0.002)				
1,2-Dibromo-3-chloropropane (DBCP)	-	-	ND (0.002)				
1,2-Dibromoethane (Ethylene dibromide) 1.2-Dichlorobenzene	0.00005 0.6	0.0014 9.2	ND (0.002) ND (0.0005)				
1,2-Dichloroethane	0.005	0.031	ND (0.0005)				
1,2-Dichloropropane	0.005	0.042	ND (0.0005)				
1,3,5-Trimethylbenzene	0.016	5.1	ND (0.002)				
1,3-Dichlorobenzene	0.08	0.31	ND (0.0005) UJ				
1,3-Dichloropropane	- 0.075	- 0.12	ND (0.0005)				
1,4-Dichlorobenzene 2,2-Dichloropropane	0.075	0.12	ND (0.0005) ND (0.0005) UJ				
2-Butanone (Methyl ethyl ketone) (MEK)	8.4	61	ND (0.02)				
2-Chlorotoluene	-	-	ND (0.002)				
2-Hexanone	-	-	ND (0.02)				
2-Phenylbutane (sec-Butylbenzene)	-	-	ND (0.002) UJ				
4-Chlorotoluene 4-Methyl-2-pentanone	-	-	ND (0.002)				
(Methyl isobutyl ketone) (MIBK)	2.2	8.2	ND (0.02)				
Acetone	6.9	92	ND (0.02) UJ				
Benzene	0.005	0.052	ND (0.0005)				
Bromobenzene	-	-	ND (0.002)				
Bromodichloromethane	0.08	0.08	ND (0.0005)				
Bromoform Bromomethane (Methyl bromide)	0.08 0.011	0.36 0.14	ND (0.0005) UJ ND (0.0005) UJ				
Carbon disulfide	1.3	10	ND (0.0005) UJ				
Carbon tetrachloride	0.005	0.022	ND (0.0005)				
Chlorobenzene	0.1	2	ND (0.0005)				
Chlorobromomethane	-	-	ND (0.0005)				
Chloroethane Chloroform (Trichloromethane)	0.062 0.08	0.99 1	ND (0.0005) UJ ND (0.0005)				
Chloromethane (Methyl chloride)	-	-	ND (0.0005)				
cis-1,2-Dichloroethene	0.07	1	0.0044	0.0043	0.0043	0.0043	0.0038
cis-1,3-Dichloropropene	-	-	ND (0.0005)				
Cymene (p-Isopropyltoluene)	-	-	ND (0.002)				
Dibromochloromethane Dibromomethane	-	-	ND (0.0005) ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Dichlorodifluoromethane (CFC-12)	-	-	ND (0.0005) ND (0.0005)				
Ethylbenzene	0.7	10	ND (0.0005)				
Hexachlorobutadiene	0.011	0.031	ND (0.002)				
Isopropyl benzene	0.83	10	ND (0.002)				
m&p-Xylene	- 0.005	- 0.20	ND (0.0005)				
Methylene chloride Naphthalene	0.005 0.0083	0.38	ND (0.002) ND (0.002)				
N-Butylbenzene	-	-	ND (0.002)				
N-Propylbenzene	0.31	4.1	ND (0.002)				
o-Xylene	-	-	ND (0.0005)				
Styrene	0.1	20	ND (0.0005)				
tert-Butylbenzene Tetrachloroethene	0.005	0.055	ND (0.002) ND (0.0005)				
Toluene	1	8.2	ND (0.0005)	0.00013 J	ND (0.0005)	ND (0.0005)	ND (0.0005)
trans-1,2-Dichloroethene	0.1	2	0.00019 J	0.00019 J	0.00017 J	0.00018 J	ND (0.0005)
trans-1,3-Dichloropropene	-	-	ND (0.0005)				
Trichloroethene	0.005	0.0072	0.0022	0.0021	0.0021	0.0021	0.0018
Trichlorofluoromethane (CFC-11)	- 0.002	- 0.004	ND (0.0005)				
Vinyl chloride	0.002	0.004	ND (0.0005)				
Metals (mg/L)							
Aluminum	-	-	ND (0.05)				
Antimony	0.006	0.041	0.00003	0.00002	ND (0.00005)	0.00004	0.00004
Arsenic	0.01	0.01	0.0003	0.0003	0.0003	0.0003	0.0003
Barium Beryllium	2.0 0.004	20 0.2	0.131 ND (0.00002)	0.13 ND (0.0002)	0.128 ND (0.00002)	0.127 ND (0.00002)	0.133 ND (0.00002)
Cadmium	0.004	0.051	0.00023	0.00025	0.00014	0.00033	0.00012
Calcium	-	-	90.2	93.1	95.8	93.2	92.8
Chromium	0.1	0.31	ND (0.005)				
Cobalt	-	-	ND (0.01)				
Copper	1.3	4.1	0.00788	0.00511	0.00285	0.00458	0.00427 0.0207
Iron Lead	0.015	0.042	0.019 J 0.00079	0.0179 J 0.00055	0.0181 J 0.00018	0.0189 J 0.00216	0.0207
Magnesium	-	-	32.5	33.7	34.8	33.6	33.2
Manganese	-	-	0.0027 J	0.0029 J	0.0012 J	0.0016 J	0.0024 J
Mercury	0.002	0.031	ND (0.0002)				
Nickel Potogram	0.73	2	ND (0.02)				
Potassium Selenium	0.05	0.51	1.46 J 0.0007	1.77 J 0.0006	1.67 J 0.0006	1.67 J 0.0007	1.94 J 0.0007
Silver	0.03	0.51	0.0007 0.00001 J	ND (0.00002)	ND (0.00002)	0.0007	0.0007 0.00002 J
Sodium	-	-	7.9	8.15	8.44	8.18	9.88
Thallium	0.002	0.0072	0.000016 J	0.000014 J	0.000006 J	ND (0.00002)	ND (0.00002)
Vanadium	- 11	- 21	0.00014 J	0.00016 J 0.139	0.0002	0.00023	0.00019 J
Zinc	11	31	0.139	0.139	0.0821	0.524	0.041

Notes:
IDEM - Indiana Department of Environmental Management
RISC - Risk Integrated System of Closure

mg/L - milligrams per liter
* - Criteria not established for this analyte.

 $\ensuremath{\mathrm{ND}}(0.50)\,$ - Analyte not detected at quantitation limit in parenthesis.

 $\boldsymbol{J}\,$ - $\,$ The associated value is an estimated quantity.

UJ - The material was analyzed for, but was not detected. The associated value is an estimate and may be inaccurate or imprecise.

TABLE 6.1

SUMMARY OF INDOOR AIR, CRAWLSPACE, AND SUBSLAB VAPOR ACTION LEVELS RADIO MATERIALS CORPORATION ATTICA, INDIANA

Potential			Expos	sure Duration (Years))	
Indoor Air	Units1	1	5	10	20	30
Tetrachloroethene	$(\mu g/m^3)$	123.7	24.7	12.4	6.2	4.1
Trichloroethene	$(\mu g/m^3)$	365	73.0	36.5	18.3	12.2
Vinyl Chloride	$(\mu g/m^3)$	83	16.6	8.3	4.1	2.8
cis-1,2-dichloroethene	$(\mu g/m^3)$	60	60	60	60	60
trans-1,2-dichloroethene	$(\mu g/m^3)$	60	60	60	60	60
1,1-dichloroethene	(μg/m ³)	200	200	200	200	200

Potential		Exposure Duration (Years)						
Crawl Space	Units	1	5	10	20	30		
Tetrachloroethene	$(\mu g/m^3)$	4.1 to 124	4.1 to 24.7	4.1 to 12.4	4.1 to 6.2	4.1		
Trichloroethene	$(\mu g/m^3)$	12.2 to 365	12.2 to 73	12.2 to 36.5	12.2 to 18.3	12.2		
Vinyl Chloride	(μg/m ³)	2.8 to 83	2.8 to 16.6	2.8 to 8.3	2.8 to 4.1	2.8		
cis-1,2-dichloroethene	$(\mu g/m^3)$	60	60	60	60	60		
trans-1,2-dichloroethene	$(\mu g/m^3)$	60	60	60	60	60		
1,1-dichloroethene	(μg/m ³)	200	200	200	200	200		

Potential		Exposure Duration (Years)							
Subslab	Units	1	5	10	20	30			
Tetrachloroethene	$(\mu g/m^3)$	41 to 1240	41 to 247	41 to 124	41 to 62	41			
Trichloroethene	$(\mu g/m^3)$	122 to 3650	122 to 730	122 to 365	122 to 183	122			
Vinyl Chloride	(μg/m³)	28 to 830	28 to 166	28 to 83	28 to 41	28			
cis-1,2-dichloroethene	$(\mu g/m^3)$	600	600	600	600	600			
trans-1,2-dichloroethene	$(\mu g/m^3)$	600	600	600	600	600			
1,1-dichloroethene	(μg/m³)	2000	2000	2000	2000	2000			

^{1.} μg/m³ – micrograms per cubic meter



PHASE IIB RCRA FACILITY INVESTIGATION REPORT VOLUME III (APPENDICES A THROUGH L)

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