RISK-BASED CORRECTIVE ACTION REPORT

Boeing Tract 1, St. Louis, Missouri

September 2004

Volume 2

Prepared for:

The Boeing Company
St. Louis, Missouri

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107E-5673-JWH
19 November 2004

BOEING

Ms. Demetra Salisbury
U.S. Environmental Protection Agency Region VII
901 North Fifth Street
Kansas City, Kansas 66101

Enclosure: Risk Based Corrective Action Report, Boeing Tract I, St. Louis, MO (2 copies)

Dear Ms. Salisbury:

The enclosed Risk Based Corrective Action Report is submitted as required by Section XIV. of the Corrective Action Conditions of the Hazardous Waste Management Facility Permit, Number MOD 000 818 963. Three copies of the report have also been submitted to the Missouri Department of Natural Resources as required under the terms of the permit.

Please contact me should you need additional information.

Sincerely,

Joe Haake

Joseph W. Haake, Group Manager
Environmental and Hazardous Materials Services
Dept. 107E, Bldg. 111, Mailcode S111-2491
(314) 777-9181

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8.1 INTRODUCTION

The Engineering Campus (Area 7) is located in the northern portion of the Facility, bordered by Lindbergh Boulevard to the west and James S. McDonnell Boulevard to the north, see Figure 8-1. This section will describe the constituents found in this Area, the exposure model, the evaluation of the current and future risk to human health and the environment, and conclusions based on the results of the risk evaluation.

8.2 DESCRIPTION OF AREA

The Engineering Campus is approximately 1,500 feet long by 1,000 feet wide (at its maximum dimensions). Within this Area are four buildings and large parking lots. Other than the buildings, the entire area is paved.

8.2.1 Potential Sources within Area

No SWMU's were located within this Area; however, six USTs were previously located within this Area near the three main buildings (32, 33, and 34) (see Table 8-1 for details). Two of the six USTs listed on Table 8-1 replaced previous 300-gallon USTs in 1960 and 1975. The USTs ranged in size from 300 gallons to 20,000 gallons, and contained gasoline, fuel oil, and diesel. Two of the tanks were used for boiler fuel and the others were used to fuel emergency power generators.

These USTs were all removed via excavation in 1989, and were not replaced. The tanks were removed following McDonnell Douglas environmental department guidelines that included an inspection of the excavation with further action initiated if contamination was visually observed. No further action was required at any of the six locations. Upon removal of the tanks, no soil sampling activities were performed.

At various times since the removal of the tanks, different projects involving utility repair or replacement have been conducted at the former tank locations. Testing of the soil was conducted during these projects to assist with proper soil disposal. It is standard Boeing procedure to field test with a Photoionization Detector (PID) meter any soil being disturbed or removed during construction projects or emergency repairs. Testing involves collecting several samples from every three to four cubic yards of excavated soil. The samples are composited into a sealed plastic bag and a PID measurement is taken from the headspace. Laboratory analysis is conducted if a PID measurement above 50 ppm is detected. Listed below is a description of the tanks with PID readings and dates of tests. No VOCs above 5 ppm were detected with the PID meter at these former UST sites.

Tank No.	Tank Location	Material	Gallons	Installation Date	PID Test Date	PID Location	PID Results
B46	33A	Diesel	300/3,000	1956/1960	6/26/00	At UST site	5 ppm
B47	33B	Fuel Oil	20,000	1956	11/13/01	20 feet west of UST	3 ppm
B48	32A	Gasoline	300/500	1956/1975	5/16/03	10 feet north of UST	<1 ppm
B49	32B	Fuel Oil	10,000	1955	4/27/00	At UST site	5 ppm
B50	34A	Diesel	850	1957	4/21/03	At UST site	< 1 ppm
B51	34B	Fuel Oil	10,000	1957	4/21/03	At UST site	< 1 ppm

ppm: parts per million

Based on the past and current use of the Area, soil or groundwater impact beyond background levels would not be expected, with the possible exception of petroleum hydrocarbons.

8.2.2 Soil Stratigraphy within Area

There is one boring in this Area, in which monitoring well MW2 was installed. Based on the soil boring log for MW2, the soil stratigraphy is silty clay, clayey silt, and silt from 0.5 feet below ground surface (bgs) to approximately 19 feet bgs (total depth advanced). This is similar to the overall site soil stratigraphy. For additional details, refer to the RFI (MACTEC, 2004).

8.2.3 Hydrogeology within Area

There is one monitoring well (MW2) located within this Area, with 10 feet of screen from 8 to 18 feet bgs, see Table 8-2 for further details of this well. Groundwater flow within this Area in the shallow zone is to the east, based on recent gauging data and information from wells just outside this Area (Figure 8-2). The depth to shallow groundwater in MW2 is approximately 5 feet bgs.

8.3 LAND USE

8.3.1 Current Land Use

Currently, the Area is commercial with office space occupied by Boeing. The remainder of the Area is paved parking lot. Area 7 includes office buildings #32, 33, 34, and manufacturing building #27A.

8.3.2 Future Land Use

Boeing plans to retain the office complex for use as commercial office space in the future, and the parking lots are anticipated to remain.

8.4 AVAILABLE DATA

The following gives an overview of the available data within this Area:

- One monitoring well (MW2) is located within this Area, and this well has been sampled eight times from July 2000 to June 2003;
- At the time of installation of MW2 in July 2000, a soil sample was collected. This is the only laboratory analyzed soil data within this Area;
- No piezometers were installed within this Area;
- No soil data is available from the UST excavation activities completed in 1989, other than visual observations; and
- Soil PID data is available for various construction activities that occurred near the USTs between April 2000 and May 2003.

8.5 CONSTITUENTS IDENTIFIED WITHIN AREA

8.5.1 Soil

One soil sample was collected in this Area from the boring used to install monitoring well MW2, in July 2000. This sample was analyzed for a comprehensive list of 67 constituents that included VOCs, PAHs, PCBs, TPH, metals, and cyanide. Typical laboratory methods that were used for analysis include SW 846 Methods 6010, 7471, 8015, 8082, 8260, 8310, and 9012. Available data is included in Table H-1 in Appendix H.

Table 8-3 lists the constituents detected in the soil sample. In all, six metals were detected: arsenic, barium, cadmium, chromium, lead, and mercury. These metals are naturally occurring and at concentrations below background levels (Refer Table 8-4). Therefore, these detected metals were not considered further.

Two metals (selenium and silver) were not detected, but had DLs that exceeded the background levels. The selenium DL was <650 ug/kg vs. a background concentration of 260 ug/kg. The silver DL was <1,300 ug/kg vs. a background concentration of <700 ug/kg. However, the DLs for selenium and silver did not exceed the high end of the range of concentrations observed that were used to establish the background concentrations (100 ug/kg – 2,300 ug/kg for selenium and 700 ug/kg – 3,000 ug/kg for silver). There are no known sources for these metals, and no known industrial activity that would have released these metals in this Area. It is our opinion that these metals are not present above background levels, and the elevated DLs represent laboratory or natural variability. Therefore, these non-detected metals were not considered further.

One organic compound - methyl ethyl ketone (MEK) had a "J"-flagged concentration of 0.0089 mg/kg. "J"-flagged values are estimated concentrations below the DL; therefore, MEK is considered non-detect, and there was no corresponding concentration observed in groundwater. Therefore, MEK was not considered further in the risk assessment.

Thus, no constituents were considered for quantitative risk evaluation for soil.

8.5.2 Groundwater

One groundwater monitoring well (MW2) is located within Area 7, and has been sampled eight times between July 2000 and June 2003, see Table 8-5. In all, these samples were analyzed for

one hundred ten constituents consisting of VOCs, PAHs, PCBs, TPH, metals, and cyanide. Typical methods used included SW 846 Methods 6010, 7470, 8015, 8082, 8260, 8310, and 9012. Available data is included in Table H-2 in Appendix H. Table H-3 in Appendix H presents the range of DLs for the constituents that had no positive detects in groundwater.

Of the constituents analyzed, nine were detected in at least one sample: arsenic, barium, benzene, chromium, cis-1,2-dichloroethene, lead, mercury, selenium, and toluene. These constituents were not considered further in the risk assessment for the following reasons:

- Arsenic had two detects and one non-detect DL above the MCL, but two subsequent sampling events were below the MCL.
- Barium, benzene, cis-1,2-dichloroethene, mercury, and toluene were below their respective MCLs.
- Chromium exceeded the MCL in the 2000 sampling event but was below the MCL on four subsequent sampling events including the last two, which were non-detect.
- Lead was detected above the MCL in the 2000 sampling event and was non-detectable with a DL that exceeded the MCL in the January 2001 sampling event; but the subsequent three sampling events were below the MCL including the last two, which were non-detectable.
- Selenium had one non-detect sample with a DL above the MCL, but it also had a detectable concentration in another sampling event from the same well that was 1/10th the MCL.

Sixty-four constituents were non-detectable, and their highest DLs did not exceed any target level criteria. These constituents were not considered further in the risk assessment.

There were 12 constituents consisting of VOCs and TPH that were not detected and did not have any target level criteria for comparison. The DLs were<5 ug/L for VOCs except 2-hexanone (<10 ug/L), acrolein (<50 ug/L), chloromethane (<10 ug/L), and iodomethane (<10 ug/L), and <500 ug/L for TPH. These constituents were not considered further in the risk assessment.

Eleven constituents (1 metal, 2 VOCs, 1 PAH, and 7 aroclors) were non-detectable, but their DLs exceeded their specific MCLs. These constituents were not considered further in the risk assessment for the following reasons:

- Cadmium and vinyl chloride were non-detectable and the DLs were below the MCLs in the subsequent sampling events.
- 1,2-Dibromo-3-chloropropane (DL range of 2-5 ug/L) is not associated with petroleum hydrocarbons and does not have known sources or industrial activity that could have released this constituent in this Area.
- Benzo(a)pyrene was non-detect at 5 ug/L in the one sampling event for PAHs, and all other PAHs were also non-detectable.
- Seven aroclors (PCBs) were analyzed in one sampling event. All were non-detectable; however, the DLs (<1.1 ug/L) for each exceeded the non-specific PCB MCL (0.5 ug/L). These PCBs are not associated with petroleum hydrocarbons and do not have known sources nor industrial activity that could have released these constituents in this Area.

Four VOCs were non-detectable, but their DLs exceeded the EPA HA concentrations for groundwater. These constituents were not considered further in the risk assessment for the following reasons:

- Hexachlorobutadiene was non-detectable in five subsequent sampling events and the DLs did not exceed the HA; and
- The HA for 1,1,2,2-tetrachloroethane was exceeded in all seven samples, and also in all six samples for 1,2-dibromoethane, both with DLs of 1-5 ug/L. Also, acrylonitrile was non-detectable and its DL (<50 ug/L) exceeded the HA in all six sampling events. All three do not have known sources or industrial activity that could have released these constituents in this Area.

Ten constituents (6 VOCs and 4 PAHs) were non-detectable, but their DLs exceeded the calculated risk-based groundwater ingestion target level. These constituents were not considered further in the risk assessment for the following reasons:

- Four VOCs (1,1-dichloropropene, 1,2,4-trimethylbenzene, 2,2-dichloropropane, and trans-1,3-dichloropropene) were also non-detectable during the six subsequent sampling events with DLs below their respective risk-based groundwater ingestion target level concentrations.
- MIBK (VOC) was non-detectable during two earlier sampling events with DLs below the risk-based groundwater ingestion target level. This suggests that although during subsequent sampling events where DLs exceeded the risk-based groundwater ingestion target level, it is unlikely that MIBK is present above its risk-based groundwater ingestion target level.
- Another VOC, 2-chloroethyl vinyl ether was non-detectable at 50 ug/L during six sampling events and the DL exceeded its risk-based groundwater ingestion target level. This VOC does not have known sources or industrial activity that could have released this constituent in this Area.
- Four PAHs (benzo(a)anthracene, benzo(b)fluoranthene, dibenzo(a,h)anthracene, and indeno(1,2,3-CD)pyrene) were non-detect at 5 ug/L, which exceeded their respective risk-based groundwater ingestion target levels during one sampling event for PAHs, and all other PAHs were also non-detectable.

Based on the above evaluation and the lack of industrial activities in this Area, no constituents were considered for quantitative risk evaluation for groundwater.

8.6 EXPOSURE MODEL

8.6.1 Current conditions

This Area is comprised of office buildings and parking lots. Hence, the receptors under current conditions would be the non-residential worker and a visitor/maintenance worker to the Area.

Exhibit 8-1 presents the EM for the current non-residential worker. As the exposure duration for the visitor/maintenance worker is less than that for the non-residential worker, the risk from any soil or groundwater impact will not be quantitatively evaluated.

EXHIBIT 8-1. EM FOR CURRENT ON-SITE NON-RESIDENTIAL WORKER		
Scenario, Receptor, and Pathways / Routes Analyzed	**C or NC**	**Justification**
Dermal Contact with Surficial Soil	NC	The Area is entirely paved; therefore, contact with surficial soil is unlikely. Also, the only sources located within this Area were USTs, and impact is not expected in the surficial zone.
Ingestion of Surficial Soil	NC	The Area is entirely paved; therefore, ingestion of surficial soil is unlikely. Also, the only sources located within this Area were USTs, and impact is not expected in the surficial zone.
Indoor Inhalation of Vapors from Subsurface Soil	NC	No volatile constituents were detected in soils in this Area; therefore, this pathway is incomplete.
Indoor Inhalation of Vapors from Groundwater	NC	No volatile constituents were detected above the MCLs in groundwater in this Area; therefore, this pathway is incomplete.
Notes: **NC:** Not Complete **C:** Complete Exposure pathways highlighted in bold indicate that these pathways are complete and will be quantitatively evaluated.		

8.6.2 Future conditions

Under future conditions, the land use in this Area is not expected to alter; hence, the receptors will remain the same in the future. As such, they will not be quantitatively evaluated as the comparison for the current conditions will be protective of the future non-residential worker. Groundwater concentrations are expected to decrease in the future through natural attenuation processes, further reducing the risk.

In the future, construction work could be performed within this Area; however, no evidence of impacted soils has been noted based on field screening during numerous past construction activities in this Area. However, if there are any localized impacts, the concentrations are unlikely to exceed the risk to a construction worker.

8.7 CALCULATION OF RISK

No quantitative evaluation is necessary for this Area.

8.8 ECOLOGICAL RISK

The Tier 1 ecological screening checklists have been completed for this Area, and are presented as Attachment 8-A and Attachment 8-B. These checklist identified no potential ecological receptors or issues.

8.9 CONCLUSIONS

The only complete pathway for this Area is contact with soil for the potential future construction worker. This pathway has not been quantitatively evaluated as no evidence of soil impacts have been noted based on field screening during several past construction activities in this Area. We do not consider that additional sampling is necessary in order to quantitate this risk for the following reasons:

- Any impacts will be localized, and the concentrations likely to be observed are unlikely to exceed the risk to a construction worker, as a result of the limited exposure frequency and exposure duration for a construction worker;
- When the USTs were removed, although no sampling was conducted, no evidence of soil contamination was observed. Also, pictorial evidence suggests that the USTs were in good condition with no holes observed;
- Since the USTs were removed in 1989, the areas have been excavated a number of times for utility work, and the soils screened using a PID; and at each event, no elevated levels of petroleum hydrocarbons have been observed;
- No major construction work is planned in this Area to alter the locations of the office buildings; and
- As discussed in Section 8.2.1, it is Boeing's standard procedure to field test with a PID meter soil being disturbed or removed during construction projects or emergency repairs, and to perform subsequent actions if elevated PID readings above a certain threshold are recorded.

TABLE 8-1
SUMMARY OF UNDERGROUND STORAGE TANKS (USTs) PRESENT HISTORICALLY WITHIN AREA 7: ENGINEERING CAMPUS
BOEING TRACT 1, ST. LOUIS, MISSOURI

UST Number	Location	Volume (Gallons)	Contents	Construction Material	Year Installed	Status	Comments
B46	Bldg. 33A	3,000	Diesel	Single Wall Steel	1960	Removed 1989	Excavated
B47	Bldg.33B	20,000	Fuel Oil	Single Wall Steel	1956	Removed 1989	Excavated
B48	Bldg. 32A	500	Gasoline	Single Wall Steel	1975	Removed 1989	Excavated
B49	Bldg. 32B	10,000	Fuel Oil	Single Wall Steel	1955	Removed 1989	Excavated
B50	Bldg. 34A	850	Diesel	Single Wall Steel	1957	Removed 1989	Excavated
B51	Bldg. 34B	10,000	Fuel Oil	Single Wall Steel	1957	Removed 1989	Excavated

Notes:
UST B-46 replaced an earlier 300-gallon steel UST that contained diesel. The previous UST was installed in 1956 and replaced in 1960.
UST B-48 replaced an earlier 300-gallon steel UST that contained gasoline. The previous UST was installed in 1956 and was replaced in 1975.

TABLE 8-2
MONITORING WELL INFORMATION FOR AREA 7: ENGINEERING CAMPUS
BOEING TRACT 1, ST. LOUIS, MISSOURI

Monitoring Well	Diameter (inches)	Screened Interval (ft bgs)	Total Depth (ft)	Installation Date	Status
MW2	2	8.0-18.0	19.1	7/17/2000	Active

Notes:
ft bgs: Feet below ground surface
ft: Feet

TABLE 8-3
SOIL DATA FOR AREA 7: ENGINEERING CAMPUS
BOEING TRACT 1, ST. LOUIS, MISSOURI

Group	BoeingParmName	MW-2-7
Metals	Arsenic	1,900
Metals	Barium	71,500
Metals	Cadmium	B 170
Metals	Chromium	20,900
Metals	Lead	6,600
Metals	Mercury	B 9

Notes:
All concentrations in ug/kg (micrograms per kilogram)
B: Detected in laboratory blank also

TABLE 8-4
COMPARISON OF AVERAGE AND MAXIMUM SOIL CONCENTRATIONS IN AREA 7: ENGINEERING CAMPUS TO BACKGROUND LEVELS
BOEING TRACT 1, ST. LOUIS, MISSOURI

COCs	# of Samples	# of Detects	Concentration			Comparison to Background Level	
			Average (ug/kg)	Maximum (ug/kg)	Background (ug/kg)	Average	Maximum
Metals							
Arsenic	1	1	1,900	1,900	9,200	Not Exceed	Not Exceed
Barium	1	1	71,500	71,500	725,000	Not Exceed	Not Exceed
Cadmium	1	1	170	170	< 1,000	Not Exceed	Not Exceed
Chromium	1	1	20,900	20,900	58,000	Not Exceed	Not Exceed
Lead	1	1	6,600	6,600	21,800	Not Exceed	Not Exceed
Mercury	1	1	9	9	39	Not Exceed	Not Exceed

TABLE 8-5
HISTORICAL GROUNDWATER ANALYTICAL DATA FOR AREA 7: ENGINEERING CAMPUS
BOEING TRACT 1, ST. LOUIS, MISSOURI

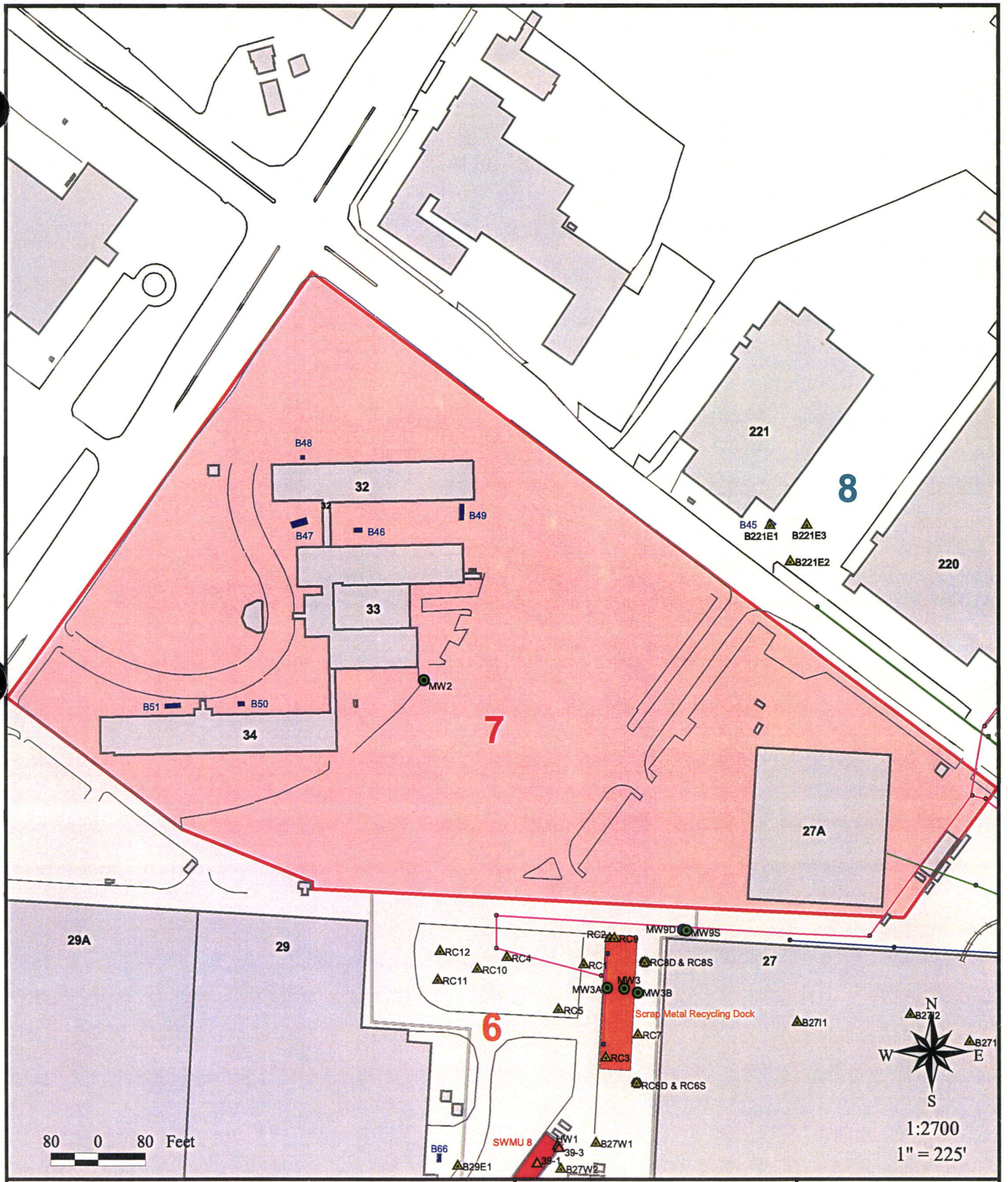
SAMP_ID	COLL_DATE	GROUP	Arsenic	Arsenic, Dissolved	Barium	Barium, Dissolved	Benzene	Chromium	Chromium, Dissolved	cis-1,2-Dichloroethene	Lead	Mercury	Selenium	Toluene
MW2W	27-Jul-00	Cyanide												
MW2W	27-Jul-00	Metals	16.8		664			140			27.5	B 0.083	5	
MW2W	27-Jul-00	PAHs												
MW2W	27-Jul-00	PCB												
MW2W	27-Jul-00	TPH												
MW2W	27-Jul-00	VOCs					< 1							< 1
MW2W	09-Jan-01	Metals	< 50		320			29			< 50	< 0.2	< 100	
MW2W	09-Jan-01	VOCs					< 5			< 5				< 5
MW2W	08-May-01	Metals	15		380			29			7	< 0.2		
MW2W	08-May-01	Metals, Dissolved		9.9		220			4.4					
MW2W	08-May-01	VOCs					< 1			1.4				1
MW2W	18-Jul-01	Metals	< 5		300			< 2			< 5	< 0.2		
MW2W	18-Jul-01	Metals, Dissolved		5		270			< 2					
MW2W	18-Jul-01	VOCs					< 1			2				< 5
MW2W	29-Oct-01	Metals	5.7		J4 420			J4 9			< 5	< 0.2		
MW2W	29-Oct-01	Metals, Dissolved		< 5		270			< 2					
MW2W	29-Oct-01	VOCs					< 1			1.5				< 5
MW2W	11-Mar-02	VOCs					< 1			1.5				< 5
MW2W	31-May-02	VOCs					< 1			H 1.1				< 5
MW2W	20-Jun-03	VOCs					3.5			1.4				< 5

Notes:
All concentrations in ug/L (micrograms per liter)
< Less than detection limit shown
Blank: Not analyzed
VOC: Volatile Organic Compound
TPH: Total petroleum hydrocarbon
PAH: Polynuclear aromatic hydrocarbon
PCB: Polychlorinated biphenol
Lab qualifiers in Section 1.0

TABLE 8-6
COMPARISON OF AVERAGE AND MAXIMUM GROUNDWATER CONCENTRATIONS IN AREA 7: ENGINEERING CAMPUS TO MAXIMUM CONTAMINANT LEVEL (MCL) OR EQUIVALENT
BOEING TRACT 1, ST. LOUIS, MISSOURI

COCs	# of Samples	# of Detects	Concentration			Comparison to MCL or Equivalent	
			Average (ug/L)	Maximum (ug/L)	MCL or Equivalent (ug/L)	Average	Maximum
Organics							
Benzene	8	1	1.1	3.5	5	Not Exceed	Not Exceed
cis-1,2-Dichloroethene	7	6	1.6	2.5	70	Not Exceed	Not Exceed
Toluene	8	1	2.1	2.5	1,000	Not Exceed	Not Exceed
TPH							
TPH as Diesel - DRO	1	0	250	250	NA	NA	NA
Volatile Petroleum Hydrocarbons - GRO	1	0	50	50	NA	NA	NA
Metals							
Arsenic	5	3	8.5	25	10	Not Exceed	Exceed
Barium	5	4	375	664	2,000	Not Exceed	Not Exceed
Chromium	5	3	40.7	140	100	Not Exceed	Exceed
Lead	5	2	8.4	27.5	15	Not Exceed	Exceed
Mercury	5	1	0.1	0.1	2	Not Exceed	Not Exceed
Selenium	2	1	27.5	50.0	50	Not Exceed	Not Exceed

Notes:
ug/L: micrograms per liter
NA: Not available
TPH: Total petroleum hydrocarbon
DRO: Diesel range organic
GRO: Gasoline range organic



Legend

- Other Shallow Boring
- RFI Shallow Boring
- RFI Shallow Boring/Temp. Piezometer
- RFA Boring
- Abandoned Shallow Piezometer
- Abandoned Shallow Well
- RFI Deep Boring/Temp. Piezometer
- Industrial Sewer Line
- Storm Sewer Line
- Manhole (Type by Color)
- Storm Sewer Intake
- Storm Sewer Outlet
- UST
- SWMU

Drawn by: KLC Approved by:

Checked by: Date: December 5, 2003

Risk Assessment & Management Group, Inc.

Figure 8-1
Exposure Area 7:
Engineering Campus,
Boeing Tract 1 North

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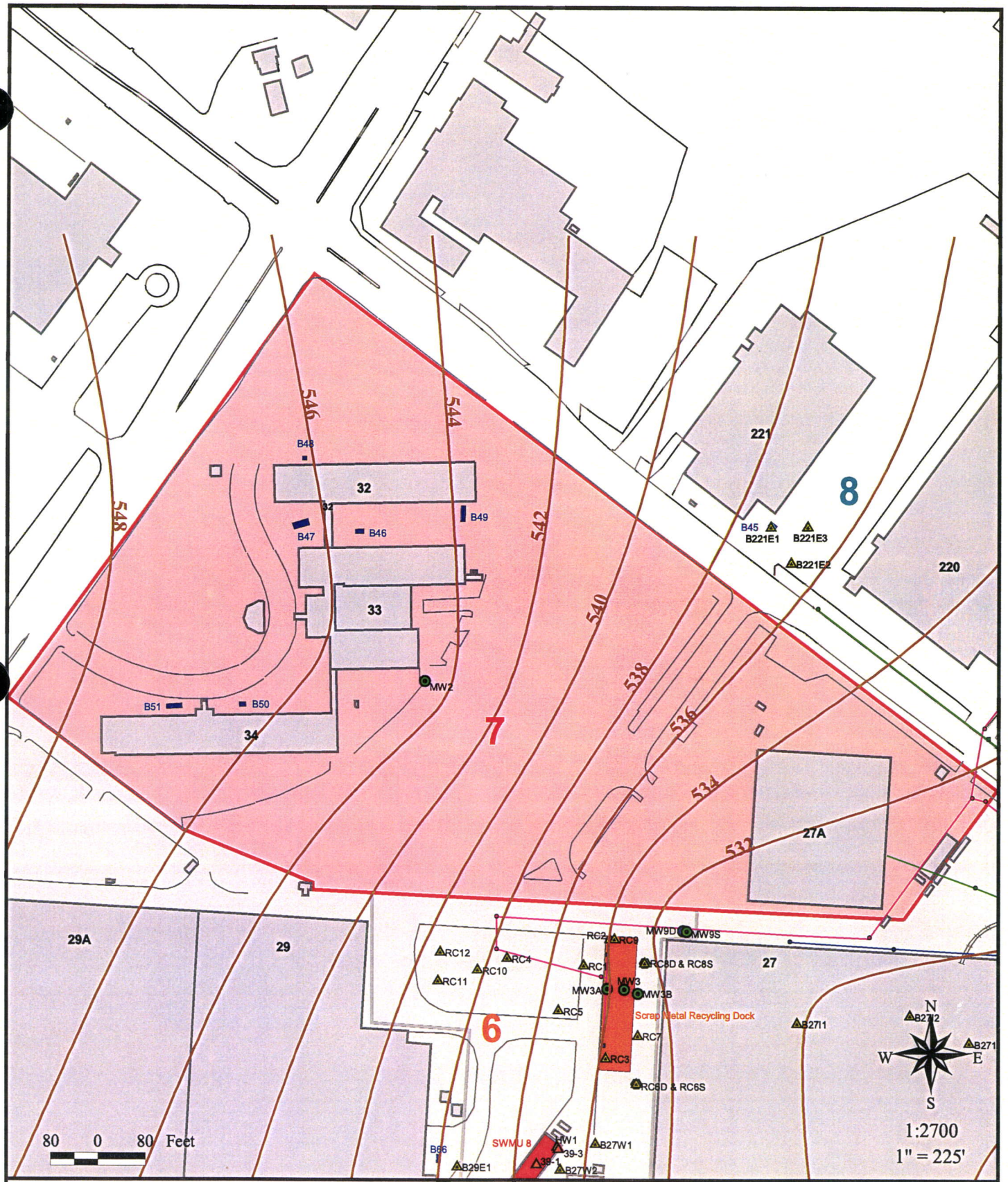

Legend

- Other Shallow Boring
- RFI Shallow Boring
- RFI Shallow Boring/Temp. Piezometer
- RFA Boring
- Abandoned Shallow Piezometer
- Abandoned Shallow Well
- RFI Deep Boring/Temp. Piezometer
- Shallow Groundwater Isopleth
- Industrial Sewer Line
- Storm Sewer Line
- Manhole (Type by Color)
- Storm Sewer Intake
- Storm Sewer Outlet
- UST
- SWMU

Drawn by: KLC Approved by:

Checked by: Date: December 5, 2003

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Figure 8-2
Shallow Groundwater Isopleth Map For Area 7: Engineering Campus, Boeing Tract 1 North

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ATTACHMENT 8-A

ECOLOGICAL RISK ASSESSMENT
TIER 1 SCREENING CHECKLIST FOR POTENTIAL RECEPTORS AND HABITAT
CHECKLIST #1

1. Is the site less than ½ mile to a surface water resource (pond, river, lake, etc.)?

   No, Coldwater Creek is located at least 3,000 feet from the area.

2. Are wetlands (e.g. marshes, swamps, fens) on or adjacent to the site?

   No.

3. Are contaminated soils uncovered or otherwise accessible to ecological receptors and the elements?

   No, the area is mostly paved.

4. Has a process (operational) discharge or storm water permit not been issued for the site?

   Yes, Facility-wide there is a storm water permit.

5. Is the site located in a known Karst environment (see Reference map)?

   No.

6. Are there federal or state rare, threatened, or endangered species on or within a ½ mile radius of the site? Note, the ½ mile radius limit does not necessarily apply to situations where a hydrogeological connection exists between the site and karsitic features.

   No.

7. Are there one or more environmentally sensitive areas (see Ecological Risk Assessment Figure #1 for definition) at or within a ½ mile radius of the site?

   No.

8. Are commercially or recreationally important species (fauna or flora) on or within a ½ mile radius of the site?

   No.

ATTACHMENT 8-B

ECOLOGICAL RISK ASSESSMENT
TIER 1 SCREENING CHECKLIST FOR POTENTIAL RECEPTORS AND HABITAT
CHECKLIST #2

1a. Can contaminants associated with the site leach, dissolve, or otherwise migrate to groundwater?

No, no evidence of impact was observed.

1b. Are contaminants associated with the site mobile in groundwater?

No, no evidence of impact was observed.

1c. Does groundwater from the site discharge into to ecological receptor habitat?

Eventually, groundwater discharges into Coldwater Creek.

1. Could contaminants associated with the site reach ecological receptors via groundwater?

No, no evidence of impact was observed.

2a. Is NAPL present at the site?

No.

2b. Is NAPL migrating?

No.

2c. Could NAPL discharge occur where ecological receptors are found?

No.

2. Could contaminants from the site reach ecological receptors via migration of NAPL?

No.

3a. Are contaminants present in surface soils?

No, no evidence of impact was observed.

3b. Can contaminants be leached from or be transported by erosion of surface soils?

No, no evidence of impact was observed.

3. Could contaminants reach ecological receptors via erosional transport of contaminated soil or via precipitation runoff?

No, no evidence of impact was observed.

4a. Are contaminants present in surface soil or on the surface of the ground?

No, no evidence of impact was observed.

4b. Are potential ecological receptors on the site?

No, the site is mostly paved.

4. Could contaminants reach ecological receptors via direct contact?

No, no evidence of impact was observed.

5a. Are contaminants present on the site volatile?

No, no evidence of impact was observed.

5b. Could contaminants on the site be transported in air as dust or particulate matter?

No, no evidence of impact was observed.

5. Could contaminants reach ecological receptors via inhalation of volatilized contaminants or contaminants adhered to dust in ambient air or in subsurface burrows?

No, no evidence of impact was observed.

6a. Are contaminants present in surface and shallow subsurface soils or on the surface of the ground?

No, no evidence of impact was observed.

6b. Are contaminants found in soil on the site taken up by plants growing on the site?

No, no evidence of impact was observed.

6c. Do potential ecological receptors on or near the site feed on plants found on the site?

No, no evidence of impact was observed.

6d. Do contaminants found on the site bioaccumulate?

No, no evidence of impact was observed.

6. Could contaminants reach ecological receptors via ingestion of either soil, plants, animals, or contaminants directly?

No, no evidence of impact was observed.

7a. Are there Karsitic features on or within a ½ mile radius of the site?

No.

7b. Is there a hydrogeological connection between the site and karsitic features such as seeps, springs, streams, or other surface water bodies?

No.

7. Could contaminants reach ecological receptors via transport through a Karst system?

No.

9.1 INTRODUCTION

The Office Complex North (Area 8) is located to the north of James S. McDonnell Boulevard (see Figure 9-1). This section describes the constituents found in this Area, the exposure model, the evaluation of the current and future risk to human health and the environment, and conclusions based on the results of the risk evaluation.

9.2 DESCRIPTION OF AREA

The Office Complex North is an area approximately 800 feet wide by 1,000 feet long. Within this Area are two buildings (220 and 221) separated by a small parking lot. The Area is currently paved, and will likely remain paved in the future. For the purposes of this risk evaluation, Area 8 was further subdivided into three Sub-areas; 8A, 8B, and 8C (see Figure 9-1), to (i) reduce the size of the exposure units evaluated, and (ii) to evaluate the risk from specific sources. A brief description of the Sub-areas follows:

- Sub-area 8A: This Sub-area covers about 4.4 acres and consists of the southern portion of Building 220 and associated parking and access areas along the south and east perimeter of the building. The primary chemicals that exceeded screening criteria in this Sub-area were VOCs and metals.

- Sub-area 8B: This Sub-area covers about 6 acres and consists of the northern portion of Building 220 and open areas to the west and north of the building including parking, access, and operational areas and vegetated areas along the western and northern perimeter of the property. The primary chemicals that exceeded screening criteria in this Sub-area were VOCs, TPH, PAHs, and metals.

- Sub-area 8C: This Sub-area covers about 5.8 acres and consists of Building 221 and the associated parking and access areas to the west, north, and east of the building. The primary chemicals that exceeded screening criteria in this Sub-area were VOCs and TPH.

9.2.1 Potential Sources within Area

Potential former sources (see Figure 9-1) in this Area include:

Sub-area 8A

- Trichloroethene vapor degreaser (within Building 220). The trichloroethene degreaser was situated within Building 220, aboveground in a concrete containment area, and was removed in 1998. Soil samples were collected and analyzed during the removal activities and no hydrocarbon constituents were detected.

Sub-area 8B

- Trash compactor with a hydraulic oil system (north end of Building 220). Visual observations indicated that the trash compactor had leaked hydraulic oil onto the adjacent asphalt.

Sub-area 8C

- Fuel oil UST (located near the southeast corner of Building 221) (see Table 9-1 for UST details). The fuel oil UST was removed in 1990 by excavation, and three confirmatory soil samples collected (see Table 9-2 for analytical data). Due to the age of this data, it was not used in the risk assessment.

No SWMUs were located within this Area. Hence, we anticipate impact within this Area to be primarily petroleum hydrocarbons and chlorinated solvents.

9.2.2 Soil Stratigraphy within Area

Based on the soil boring logs for this Area, the stratigraphy consists primarily of silty clay with some clayey silt, silt, and clay from 0.5 foot bgs to a depth of 78 feet bgs, where a basal gravel layer is present on top of the limestone bedrock that was encountered at 79.5 feet bgs. This is consistent with the Facility-wide soil stratigraphy. No karst features have been identified within this Area. For the calculation of risk to indoor inhalation, a soil source average depth for each of the Sub-areas was used as noted below (see Table 1-9):

- Sub-area 8A: 2.5 feet (76 cm)
- Sub-area 8B: 6.3 feet (192 cm)*
- Sub-area 8C: 4.4 feet (134 cm)*

*Indicates that the depth to soil source was below the average depth for the groundwater table; therefore, we used the average depth to groundwater in the risk calculations.

9.2.3 Hydrogeology within Area

There are two shallow monitoring wells within this Area and one deep monitoring well (see Table 9-3 for further details). Consistent with the Facility-wide shallow groundwater flow direction, groundwater flows towards Coldwater Creek to the east (Figure 9-2). Depth to shallow groundwater is based on water level measurements in monitoring wells MW4 and MW10S. To evaluate risk to indoor inhalation, an average depth to groundwater for each of the Sub-areas was used as noted below (see Table 1-13):

- Sub-area 8A: 4.4 feet (134 cm)
- Sub-area 8B: 6.3 feet (192 cm)
- Sub-area 8C: 4.4 feet (134 cm)

9.3 LAND USE

9.3.1 Current Land Use

Currently, the Area is non-residential, with office space occupied by Boeing. Offsite, in the downgradient direction (to the east) the area is also non-residential, with a mixture of warehouses and office space.

9.3.2 Future Land Use

The office complex is anticipated to remain as non-residential office space in the future. Offsite, the land use is expected to remain the same, as a result of the density of non-residential development in the vicinity. This area is an established non-residential area, and it is unlikely, based on the proximity of the area to a major airport, that this will change in the future.

9.4 AVAILABLE DATA

The following gives an overview of the available data within the Area:

- Three monitoring wells are located within this Area (MW10S and MW10D in Sub-area 8A, and MW4 in Sub-area 8B), and have been sampled up to 11 times since July 2000;
- The wells have been sampled for groundwater at least eight times between July 2000 and June 2003;
- A total of 17 soil borings (including the three monitoring well borings) have been advanced in this Area (ten in Sub-area 8A, four in Sub-area 8B, and three in Sub-area 8C) resulting in the collection of twenty-six soil samples;
- Groundwater samples were collected once from eight piezometers in 2000;
- Three confirmatory soil samples were collected during UST removal activities in 1990; however, due to the age of this data it was not used in the risk assessment; and
- Forty-one groundwater samples including three duplicates have been obtained from July 2000 to June 2003.

9.5 CONSTITUENTS IDENTIFIED WITHIN AREA

9.5.1 Soil

The 26 soil samples were analyzed during the various investigations conducted within the Area for comprehensive list of constituents that included VOCs, PAHs, PCBs, TPH, metals, and cyanide. Typical laboratory methods that were used include SW 846 Methods 6010, 7470, 7471, 8015, 8021, 8082, 8260, 8310, and 9012. Appendix I-1 includes a comprehensive table of the laboratory data for constituents that were detected at least once in soil samples from Area 8. Evaluation of the data in Appendix I-1 indicated that the following 16 constituents were detected in at least one soil sample:

METALS		ORGANICS/TPH	
Arsenic	Chromium	1,2-Dichloroethene (total)	Tetrachloroethene
Barium	Lead	Acetone	Trichloroethene
Cadmium	Mercury	cis-1,2- Dichloroethene	Benzo(b)fluoranthene
		Methylene chloride	Chrysene
		Methyl ethyl ketone (MEK)	TPH (2 types)

The data was further screened for potential exposures to the non-residential worker and construction worker for each Sub-area.

Note as discussed in Sections 1.9.11 and 1.9.12, respectively, lead and 1-2 dichloroethene (total) were eliminated.

9.5.1.1 Sub-area 8A

Non-residential Worker

The non-residential worker data are constituents in soil samples collected above the groundwater table. Soil samples collected at or above a depth of 4.4 feet bgs were included (see Table 1-13).

Metals whose maximum concentrations did not exceed the background levels were eliminated from further consideration and include barium, cadmium, chromium, and lead.

Based on this evaluation, the following three constituents were considered for quantitative risk evaluation for soil exposures to the non-residential worker:

METALS		VOCs
Arsenic	Mercury	Trichloroethene

Construction Worker

The construction worker data are constituents in soil samples collected above the typical construction depth. To be conservative, soil samples collected at or above a depth of 20 feet bgs are included.

Metals whose maximum concentrations did not exceed the background levels were eliminated from further consideration and include barium, cadmium, chromium, and lead.

Based on this evaluation, the following seven constituents were considered for quantitative risk evaluation for soil exposures to the construction worker:

METALS	VOCs
Arsenic	Acetone
Mercury	cis-1,2-dichloroethene
	Methylene chloride
	Methyl ethyl ketone
	Trichloroethene

9.5.1.2 Sub-area 8B

Non-residential Worker

The non-residential worker data are constituents in soil samples collected above the groundwater table. Soil samples collected at or above a depth of 6.3 feet bgs are included (see Table 1-13).

Metals whose maximum concentrations did not exceed the background levels were eliminated from further consideration and include arsenic, barium, cadmium, chromium, and lead.

Based on this evaluation, no constituents were considered for quantitative risk evaluation for non-residential worker soil exposures in Sub-area 8B.

Construction Worker

The construction worker data are constituents in soil samples collected above the typical construction depth. To be conservative, soil samples collected at or above a depth of 20 feet bgs are included.

Metals whose maximum concentrations did not exceed the background levels were eliminated from further consideration and include arsenic, barium, cadmium, chromium, lead, and mercury.

Based on this evaluation, no constituents were considered for quantitative risk evaluation for construction worker soil exposures in Sub-area 8B.

9.5.1.3 Sub-area 8C

Non-residential Worker

The non-residential worker data are constituents in soil samples collected above the groundwater table. No constituents were detected in soil samples collected at or above the average groundwater depth of 4.4 feet bgs (see Table 1-13).

Construction Worker

The construction worker data are constituents in soil samples collected above the typical construction depth. To be conservative, soil samples collected at or above a depth of 20 feet bgs are included.

The following three constituents were considered for quantitative risk evaluation for soil exposures to the construction worker:

VOCs/TPH	
Acetone	TPH (15 types)
Tetrachloroethene	

9.5.2 Groundwater

Groundwater samples were analyzed during the various investigations for a comprehensive list of constituents that included VOCs, PAHs, PCBs, TPH, metals, and cyanide. Typical laboratory methods used include SW 846 Methods 6010, 7470, 8015, 8082, 8260, 8310, 9012, TX 1005, and TX 1006. Within this Area, there are eight soil borings where individual groundwater samples have been collected in addition to three groundwater monitoring wells (MW10S, MW10D, and MW4). Appendix I-2 includes a comprehensive list of the groundwater analytical data for constituents that were detected at least once in groundwater samples from Area 8.

Of the various constituents analyzed in groundwater, the following 15 constituents were detected in at least one groundwater sample:

METALS	ORGANICS/TPH	
Arsenic	1,1-Dichloroethane	Methylene chloride
Barium	1,1-Dichloroethene	Toluene
Chromium	1,2-Dichloroethene (total)	Trichloroethene
Lead	Bromomethane	Vinyl chloride
Mercury	cis-1,2-Dichloroethene	TPH (2 types)
Manganese		

Methylene chloride was not carried forward since it was the only VOC detect in those specific samples.

The data were segregated for each Sub-area and further screened for potential exposures to the non-residential worker and construction worker.

9.5.2.1 Sub-area 8A

Evaluation of the data in Tables 9A-8(a) and 9A-8(b) indicated the following 12 constituents were detected in at least one groundwater sample from Sub-area 8A.

METALS	VOCs
Arsenic	1,1-Dichloroethane
Barium	1,1 Dichloroethene
Chromium	1,2-Dichloroethene (total)
Lead	cis-1,2-Dichloroethene
Manganese	Toluene
	Trichloroethene
	Vinyl chloride

Constituents for which the screening criteria exceeded the maximum detected concentration were eliminated from further consideration and included, 1,1-dichloroethane, 1,1-dichloroethene, cis-1,2-dichloroethene, and toluene.

Note as discussed in Sections 1.9.11 and 1.9.12, respectively, lead and 1,2-dichloroethene (total) were eliminated.

The remaining constituents consist of 2 VOCs and 4 metals. These constituents are listed in the following table:

TOTAL METALS	VOCs/TPH	
Arsenic	Trichloroethene	Vinyl chloride
Barium		
Chromium		
Manganese		

Based on this evaluation, the constituents listed above were considered for quantitative risk evaluation for ground water exposures in Sub-area 8A.

9.5.2.2 Sub-area 8B

Evaluation of the data in Tables 9B-8(a), 9B-8(b) and 9B-8(c) indicated the following seven constituents were detected at least once in groundwater samples from Sub-area 8B.

METALS	VOCs/TPH
Arsenic	Bromomethane
Barium	TPH
Chromium	
Lead	
Mercury	

Constituents for which the target level criteria exceeded the maximum concentration were eliminated from further consideration and included bromomethane, barium, and mercury. Note as discussed in Section 1.9.11, lead was also eliminated.

The remaining constituents consist of 2 metals and TPH. These constituents are listed in the following table:

METALS	TPH
Arsenic	TPH (16 types)
Chromium	

Based on this evaluation, the constituents listed above were considered for quantitative risk evaluation for ground water exposures in Sub-area 8B.

9.5.2.3 Sub-area 8C

Evaluation of the data in Tables 9C-8(a) and 9C-8(b) indicated the following one constituent was detected at least once in groundwater samples from Sub-area 8C. This constituent is listed in the following table:

TPH
TPH

Based on this evaluation, the constituent listed above was considered for quantitative risk evaluation for ground water exposures in Sub-area 8C.

9.6 FREE PRODUCT

Free product has not been observed within this Area.

9.7 EXPOSURE MODEL

9.7.1 Current Conditions for Sub-areas 8A, 8B, and 8C

Under current conditions, this Area is comprised of office buildings and parking lots. Hence, the current receptor would be the non-residential worker in the office building, and a visitor/maintenance worker to the Area. As the exposure duration for the visitor/maintenance worker is small relative to the on-site non-residential worker, the risk from any soil or groundwater impact will not be quantitatively evaluated for the visitor/maintenance worker.

Exhibit 9-1 presents the EM for the current non-residential worker.

EXHIBIT 9-1. EM CURRENT ON-SITE NON-RESIDENTIAL WORKER (SUB-AREAS 8A, 8B, AND 8C)

Scenario, Receptor, and Pathways / Routes Analyzed	C or NC	Justification
Dermal Contact with Surficial Soil	NC	The Area is entirely paved; therefore, contact with surficial soil is unlikely.
Ingestion of Surficial Soil	NC	The Area is entirely paved; therefore, ingestion of surficial soil is unlikely.
Indoor Inhalation of Vapors from Subsurface Soil	**C**	**A number of volatile constituents were identified in soil within this Area in the vicinity of the buildings, hence this pathway is complete.**
Indoor Inhalation of Vapors from Groundwater	**C**	**A number of volatile constituents were identified in groundwater within this Area in the vicinity of the buildings, hence this pathway is complete.**

Notes: NC: Not Complete C: Complete

Exposure pathways highlighted in bold indicate that these pathways are complete and will be quantitatively evaluated.

9.7.2 Future Conditions for Sub-areas 8A, 8B, and 8C

Under future conditions, the land use in this Area is not expected to change, hence the receptors will remain the same in the future. As such, they will not be quantitatively evaluated as the comparison for the current conditions will be protective of the future non-residential worker. Groundwater concentrations are expected to decrease in the future through natural attenuation processes, further reducing the risk.

A construction worker could be present at the site in the future. Exhibit 9-2 presents the EM for the construction worker.

The downgradient receptor is also a non-resident; therefore, the evaluation for the on-site worker will be protective of the offsite receptor, as concentrations in groundwater are expected to decrease further from the source area. No soil impact from Boeing operations is expected offsite.

EXHIBIT 9-2. EM POTENTIAL FUTURE CONSTRUCTION WORKER (SUB-AREAS 8A, 8B, AND 8C)

Scenario, Receptor, and Pathways / Routes Analyzed	C or NC	Justification
Dermal Contact with Soil	C	**Soil is impacted within the normal depth of construction; therefore, contact is possible.**
Ingestion of Soil	C	**Soil is impacted within the normal depth of construction; therefore, ingestion is possible.**
Outdoor Inhalation of Vapors from Soil	C	**Soil is impacted within the normal depth to construction with volatile constituents; therefore, inhalation is possible.**
Dermal Contact with Groundwater	C	**Groundwater is impacted within the normal depth of construction; therefore, contact is possible.**
Outdoor Inhalation of Vapors from Groundwater	C	**Groundwater within this Area is impacted by volatile constituents, hence this pathway is possible.**

Notes: NC: Not Complete C: Complete

Exposure pathways highlighted in bold indicate that these pathways are complete and will be quantitatively evaluated.

9.8 REPRESENTATIVE CONCENTRATION

Representative concentrations for this Area were determined to be the Area-wide average in soil and groundwater. This was chosen as the sampling activities that have been performed have all been within the areas of most impact; therefore, the mean concentration represents a conservative estimate of the overall impact to the Area. Additionally, no information is known regarding the likely future location of a building; therefore, it is prudent to identify the source areas as the representative concentration.

Note representative concentrations in groundwater were estimated by first averaging the concentration in each well and then averaging the concentrations for the various wells located within the Sub-area.

Tables 9A-11(a), 9A-11(b), 9B-11(a), 9B-11(b), 9C-11(a), 9C-11(b), 9A-12, 9B-12, and 9C-12 present the soil and groundwater average and maximum concentrations. The ratio of the maximum detected concentration to average concentration is also presented. None of the constituents exceeded a ratio of 10.

9.9 CALCULATION OF RISK

Tables 9A-11(a), 9B-11(a), and 9C-11(a) present the results for the non-residential worker for Sub-area 8A, Sub-area 8B, and Sub-area 8C, respectively. Tables 9A-11(b), 9B-11(b), and 9C-11(b) present the results for the construction worker for Sub-area 8A, Sub-area 8B, and Sub-area 8C, respectively. The tables present the carcinogenic (IELCR) and non-carcinogenic (HQ and HI) risks for:

- Each COC,
- Each route of exposure,
- Cumulative risk for each COC,
- Cumulative risk for each route of exposure, and
- Total risk which is the sum of risk for all the COCs and all the routes of exposures.

Based on these tables, following are the key observations.

9.9.1 Sub-area 8A

9.9.1.1 Non-residential Worker

Carcinogenic Risk:

As indicated in Table 9A-11(a), the cumulative IELCR is 2.37×10^{-8}, which is well below the regulatory acceptable level of 1×10^{-4}. Since the cumulative risk is less than 1×10^{-5}, clearly the risk for each COC and routes of exposure is less than 1×10^{-5} – the regulatory acceptable level.

Non-carcinogenic Risk:

As shown in Table 9A-11(a), the cumulative HI is 0.00031, which is well below the regulatory acceptable level of 1.0. Since the cumulative HI is less than 1.0, the HQ for each COC and each route of exposure, and hence each target organ would be less than 1.0 – the regulatory acceptable level.

9.9.1.2 Construction Worker

Carcinogenic Risk:

As indicated in Table 9A-11(b), the cumulative IELCR is 1.02×10^{-7}, which is below the regulatory acceptable level of 1×10^{-4}. Since the cumulative risk is less than 1×10^{-5}, clearly the risk for each COC and routes of exposure is less than 1×10^{-5} – the regulatory acceptable level.

Non-carcinogenic Risk:

As shown in Table 9A-11(b), the cumulative HI is 0.020, which is below the regulatory acceptable level of 1.0. Since the cumulative HI is less than 1.0, the HQ for each COC and each route of exposure, and hence each target organ would be less than 1.0 – the regulatory acceptable level.

9.9.2 Sub-area 8B

9.9.2.1 Non-residential Worker

Carcinogenic Risk:

As indicated in Table 9B-11(a), the cumulative IELCR for non-residential worker in Sub-area 8B is not available.

Non-carcinogenic Risk:

As shown in Table 9B-11(a) the cumulative HI for all COCs and all routes of exposure is 54.6, which exceeds the regulatory acceptable level of 1.0. Further examination of the table indicates that the primary contributors to HI are HQs for indoor inhalation of aliphatics C12 – C16, aliphatics C16 – C21, and aliphatics C21 – C35 from groundwater. The contribution to the HI from all the other COCs and routes of exposure is significantly less than 1.0.

9.9.2.2 Construction Worker

Carcinogenic Risk:

As indicated in Table 9B-11(b), the cumulative IELCR is 3.74×10^{-8}, which is well below the regulatory acceptable level of 1×10^{-4}. Since the cumulative risk is less than 1×10^{-5}, clearly the risk for each COC and routes of exposure is less than 1×10^{-5} – the regulatory acceptable level.

Non-carcinogenic Risk:

As shown in Table 9B-11(b), the cumulative HI is 0.49, which is below the regulatory acceptable level of 1.0. Since the cumulative HI is less than 1.0, the HQ for each COC and each route of exposure, and hence each target organ would be less than 1.0 – the regulatory acceptable level.

9.9.3 Sub-area 8C

9.9.3.1 Non-residential Worker

Carcinogenic Risk:

As indicated in Table 9C-11(a), the cumulative IELCR for non-residential worker in Sub-area 8C is not available.

Non-carcinogenic Risk:

As shown in Table 9C-11(a), the cumulative HI is 0.064, which is well below the regulatory acceptable level of 1.0. Since the cumulative HI is less than 1, the HQ for each COC and each

route of exposure, and hence each target organ would be less than 1.0 – the regulatory acceptable level.

9.9.3.2 Construction Worker

Carcinogenic Risk:

As indicated in Table 9C-11(b), the cumulative IELCR is 1.25×10^{-12}, which is well below the regulatory acceptable level of 1×10^{-4}. Since the cumulative risk is less than 1×10^{-5}, clearly the risk for each COC and routes of exposure is less than 1×10^{-5} – the regulatory acceptable level.

Non-carcinogenic Risk:

As shown in Table 9C-11(b), the cumulative HI is 0.0052, which is well below the regulatory acceptable level of 1.0. Since the cumulative HI is less than 1, the HQ for each COC and each route of exposure, and hence each target organ would be less than 1.0 – the regulatory acceptable level.

9.10 ECOLOGICAL RISK

The only potential ecological receptors in the area are Coldwater Creek, which flows north about 1,600 feet to the southeast of Area 8, and a tributary to Coldwater Creek, which flows southeast about 500 feet northeast of Area 8. There are no known unpermitted conduits present that could carry impacts from Area 8 to Coldwater Creek. Considering the geology, groundwater flow characteristics, and the chemical types and concentrations of impacts in Area 8, it is not likely that migration of impacts from Area 8 to Coldwater Creek or to its tributary will occur. The Tier 1 ecological screening checklists have been completed for this Area, and are presented as Attachment 9-A and Attachment 9-B. These checklists identified no potential ecological receptors or issues.

9.11 CONCLUSIONS

Sub-area 8A

The calculated risks for all the COCs and all potentially complete routes of exposure for the construction worker and the non-residential worker are below the acceptable target risks.

Sub-area 8B

The cumulative non-carcinogenic risk for the non-residential worker exceeded the target risk. The primary contributor to the risk was indoor inhalation of aliphatics C12 – C16, aliphatics C16 – C21, and aliphatics C21 – C35 from groundwater.

The calculated risks for all the COCs and all potentially complete routes of exposure for the construction worker are below the acceptable target risks.

Sub-area 8C

The calculated risks for all the COCs and all potentially complete routes of exposure for the construction worker and the non-residential worker are below the acceptable target risks.

Table 9-1
Summary of Underground Storage Tanks (USTs) Present Historically within Area 8: Office Complex North
Boeing Tract 1, St. Louis, Missouri

UST Number	Location	Volume (Gallons)	Contents	Construction Materials	Year Installed	Status	Comments
B-45	Near SEC of Bldg. 221	5,000	Fuel Oil	Single Wall Steel	1954	Removed 1990	Excavated

Table 9-2
Soil Data Collected During UST Removal Activities
Area 8: Office Complex North
Boeing Tract 1, St. Louis, Missouri

Sample ID	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Xylenes (mg/kg)	TPH (mg/kg)
8173 south	<0.005	<0.005	<0.005	<0.015	13
8174 middle	<0.005	<0.005	<0.005	<0.015	<10
8175 north	<0.005	0.008	0.005	<0.015	84

Notes:
<: Less than detection limit shown
TPH: Total petroleum hydrocarbon
mg/kg: miligrams per kilogram

Table 9-3
Monitoring Well Information for Area 8: Office Complex North
Boeing Tract 1, St. Louis, Missouri

Sub-area	Monitoring Well	Diameter (inches)	Screened Interval (ft bgs)	Total Depth (feet)	Installation Date	Status
8A	MW10D	2	69.5-79.5	79.5	9/22/2000	Active
8A	MW10S	2	8.0-18.0	79.5	9/19/2000	Active
8B	MW4	2	9.5-19.5	19.5	7/18/2000	Active

Notes:
ft bgs: Feet below ground surface

Table 9-4
Soil Boring Information for Area 8: Office Complex North
Boeing Tract 1, St. Louis, Missouri

Sub-area	Boring	Date Drilled
8A	SB1	1/23/1999
8A	SB2	1/23/1999
8A	SB3	1/23/1999
8A	SB4	1/23/1999
8A	SB5	1/23/1999
8A	SB6	1/23/1999
8A	B220I1	7/24/2000
8A	B220I3	11/14/2000
8A	MW10S	9/19/2000
8B	B220N1	7/24/2000
8B	B220N2	9/19/2000
8B	B220N3	9/19/2000
8B	MW-4	7/18/2000
8C	B221E1	7/24/2000
8C	B221E2	7/26/2000
8C	B221E3	7/26/2000

Table 9-5
Soil Samples Used in Average Concentration Calculations in Area 8: Office Complex North
Boeing Tract 1, St. Louis, Missouri

	Volatile Organic Compounds		Total Petroleum Hydrocarbons		Polynuclear Aromatic Hydrocarbons		Polychlorinated Biphenyls		Metals	
	Non-Residential Worker	Construction Worker	Non-Residential Worker	Construction Worker	Non-Residential Worker	Construction Worker	Non-Residential Worker	Construction Worker	Non-Residential Worker	Construction Worker
8A	SB4 0-2	SB4 0-2							SB1 0-2	SB1 0-2
	SB5 0-2	SB5 0-2							SB2 0-2	SB2 0-2
	SB6 0-2	SB6 0-2							SB3 0-2	SB3 0-2
		B220I1-7							SB4 0-2	SB4 0-2
		MW10S-18							SB5 0-2	SB5 0-2
									SB6 0-2	SB6 0-2
										MW10S-18
8B		MW-4-16				MW-4-16			B220N3-6	B220N2-6
										B220N3-6
										MW-4-16
8C		B221E1-12		B221E1-12						
		B221E1-7		B221E1-7						
				B221E3-7						
				B221E2-8						

Note:
- analysis type not performed

Table 9A-6(a)
Soil Constituents Average Concentrations for VOCs in Sub-area 8A:
Office Complex North
Boeing Tract 1, St. Louis, Missouri

Sample ID	VOCs (ug/kg)					
	1,2-DICHLOROETHENE (TOTAL)	ACETONE	CIS-1,2-DICHLOROETHENE	METHYL ETHYL KETONE (MEK)	METHYLENE CHLORIDE	TRICHLOROETHENE
Non- Residential Worker						
SB4 0-2*	NA	NA	NA	NA	NA	55
SB5 0-2*	NA	NA	NA	NA	NA	54.3
SB6 0-2*	NA	NA	NA	NA	NA	10.6
Average Concentration - Only Samples With VOC Detections						39.97
Construction Worker						
SB4 0-2*	NA	NA	NA	NA	NA	55
SB5 0-2*	NA	NA	NA	NA	NA	54.3
SB6 0-2*	NA	NA	NA	NA	NA	10.6
B220I1-7	75	12.5	NA	12.5	11	48
MW10S-18	NA	130	1.75	110	3.5	3.5
Average Concentration - Only Samples With VOC Detections		71.25	38.38	61.25	7.25	34.28

Notes:
ug/kg - micrograms per kilogram
* - Hand auger samples from below Building 220 floor slab
Groundwater table is at a depth of 4 feet below ground surface (bgs) for area.
Non Residential Worker - above groundwater table in the area
Construction Worker - above a depth of 20 feet bgs
VOCs - Volatile Organic Compounds
NA - Not Analyzed

Table 9A-6(b)
Soil Constituents Average Concentrations for Metals in Sub-area 8A: Office Complex North
Non-Residential Worker
Boeing Tract 1, St. Louis, Missouri

Sample ID	Metals (ug/kg)					
	ARSENIC	BARIUM	CADMIUM	CHROMIUM	LEAD	MERCURY
SB1 0-2*	13,600	193,000	400	17,900	14,400	50
SB2 0-2*	12,400	161,000	400	22,000	15,500	20
SB3 0-2*	11,300	140,000	400	22,100	12,000	40
SB4 0-2*	10,900	130,000	400	33,100	10,200	40
SB5 0-2*	13,200	174,000	400	18,200	13,100	40
SB6 0-2*	13,600	171,000	300	17,300	14,400	40
Average Concentration - Only Samples With Metals Detections	**12,500**	**161,500**	**383.3**	**21,767**	**13,267**	**38**

Notes:
Groundwater table is at a depth of 4 feet below ground surface (bgs) for area.
Non Residential Worker - above groundwater table in the area
Construction Worker - above a depth of 20 feet bgs

ug/kg - micrograms per kilogram
NA - Not Analyzed

Table 9A-6(b)
Soil Constituents Average Concentrations for Metals in Sub-area 8A: Office Complex North
Construction Worker
Boeing Tract 1, St. Louis, Missouri

Sample ID	Metals (ug/kg)					
	ARSENIC	BARIUM	CADMIUM	CHROMIUM	LEAD	MERCURY
SB1 0-2*	13,600	193,000	400	17,900	14,400	50
SB2 0-2*	12,400	161,000	400	22,000	15,500	20
SB3 0-2*	11,300	140,000	400	22,100	12,000	40
SB4 0-2*	10,900	130,000	400	33,100	10,200	40
SB5 0-2*	13,200	174,000	400	18,200	13,100	40
SB6 0-2*	13,600	171,000	300	17,300	14,400	40
MW10S-18	2,400	69,100	720	9,400	5,000	70
Average Concentration - Only Samples With Metals Detections	**11,057**	**148,300**	**431.4**	**20,000**	**12,086**	**43**

Notes:
Groundwater table is at a depth of 4 feet below ground surface (bgs) for area.
Non Residential Worker - above groundwater table in the area
Construction Worker - above a depth of 20 feet bgs

ug/kg - micrograms per kilogram
NA - Not Analyzed

Table 9B-6(a)
Soil Constituents Average Concentrations for VOC's in Sub-area 8B: Office Complex North Boeing Tract 1, St. Louis, Missouri

Sample ID	VOCs (ug/kg)		
	ACETONE	METHYL ETHYL KETONE (MEK)	METHYLENE CHLORIDE
Non- Residential Worker			
B220N3-6	12.5	12.5	8.9
Average Concentration - Only Samples With VOC Detections			
Construction Worker			
B220N2-8	30	13	10
B220N3-6	12.5	12.5	8.9
MW-4-16	14.5	10	3.55
Average Concentration - Only Samples With VOC Detections		10	

Notes:
ug/kg - micrograms per kilogram
Groundwater table is at a depth of 6 feet below ground surface (bgs) for area.
Non Residential Worker - above groundwater table in the area
Construction Worker - above a depth of 20 feet bgs
VOCs - Volatile Organic Compounds
NA - Not Analyzed
No VOCs except acetone and/or methylene chloride detected in the sample

Table 9B-6(b)
Soil Constituents Average Concentrations for Metals in Sub-area 8B: Office Complex North
Non-Residential Worker
Boeing Tract 1, St. Louis, Missouri

Sample ID	Metals (ug/kg)					
	ARSENIC	BARIUM	CADMIUM	CHROMIUM	LEAD	MERCURY
B220N3-6	4,100	118,000	770	14,900	9,300	65
Average Concentration - Only Samples With Metals Detections	**4,100**	**118,000**	**770**	**14,900**	**9,300**	

Notes:
ug/kg - micrograms per kilogram
Groundwater table is at a depth of 6 feet below ground surface (bgs) for area.
Non Residential Worker - above groundwater table in the area
Construction Worker - above a depth of 20 feet bgs
NA - Not Analyzed

Table 9B-6(b)
Soil Constituents Average Concentrations for Metals in Sub-area 8B: Office Complex North
Construction Worker
Boeing Tract 1, St. Louis, Missouri

Sample ID	Metals (ug/kg)					
	ARSENIC	BARIUM	CADMIUM	CHROMIUM	LEAD	MERCURY
B220N2-8	7,400	103,000	720	13,900	7,900	65
B220N3-6	4,100	118,000	770	14,900	9,300	65
MW-4-16	4,500	59,600	355	11,800	8,200	14
Average Concentration - Only Samples With Metals Detections	**5,333**	**93,533**	**615**	**13,533**	**8,467**	**48**

Notes:
ug/kg - micrograms per kilogram
Groundwater table is at a depth of 6 feet below ground surface (bgs) for area.
Non Residential Worker - above groundwater table in the area
Construction Worker - above a depth of 20 feet bgs
NA - Not Analyzed

Table 9B-6(c)
Soil Constituents Average
Concentrations for PAHs in Sub-area 8B:
Office Complex North
Construction Worker
Boeing Tract 1, St. Louis, Missouri

Sample ID	PAH (ug/kg)	
	BENZO(B)FLUORANTHENE	CHRYSENE
MW-4-16	66	44
Average Concentration - Only Samples With PAH Detections	**66**	**44**

Notes:
ug/kg - micrograms per kilogram
Groundwater table is at a depth of 6 feet below ground surface (bgs) for area.
Non Residential Worker - above groundwater table in the area
Construction Worker - above a depth of 20 feet bgs
PAH - Polynuclear aromatic hydrocarbon
NA - Not Analyzed

Table 9C-6(a)
Soil Constituents Average Concentrations for VOC's in Sub-area 8C: Office Complex North Boeing Tract 1, St. Louis, Missouri

Sample ID	VOCs (ug/kg)	
	ACETONE	TETRACHLOROETHENE
Non- Residential Worker		
Average Concentration - Only Samples With VOC Detections		
Construction Worker		
B221E1-12	63	4.6
B221E1-7	71	2.1
B221E2-8	19	3.2
B221E3-7	27	3.15
Average Concentration - Only Samples With VOC Detections	**67**	**3.35**

Notes:
ug/kg - micrograms per kilogram
Groundwater table is at a depth of 4 feet below ground surface (bgs) for area.
Non Residential Worker - above groundwater table in the area
Construction Worker - above a depth of 20 feet bgs
VOCs - Volatile Organic Compounds
No VOCs except acetons detected in the sample

Table 9C-6(b)
Soil Constituents Average Concentrations for TPHs in Sub-area 8C: Office Complex North
Construction Worker
Boeing Tract 1, St. Louis, Missouri

Constituent Fractions	B221E1-12	B221E1-7	B221E2-8	B221E3-7	Overall Area Average (ug/kg)
TPH - DRO					TPH - DRO
7/24/2000	**330,000**	**1,200,000**	NA	NA	
7/26/2000	NA	NA	16,000	15,500	
AVERAGE TPH - DRO	330,000	1,200,000	16,000	15,500	390,375
TPH - GRO					TPH - GRO
7/24/2000	**5,200**	**2,900**	NA	NA	
7/26/2000	NA	NA	65	**220**	
AVERAGE TPH - GRO	5,200	2,900	65	220	2,096
TPH - ORO					TPH - ORO
None					
AVERAGE TPH - ORO					

Notes:
Groundwater table is at a depth of 4 feet below ground surface (bgs) for area.
Non Residential Worker - above groundwater table in the area
Construction Worker - above a depth of 20 feet bgs
ug/kg - micrograms per kilogram
TPH - Total petroleum hydrocarbon
DRO - Diesel range organic
GRO - Gasoline range organic
ORO - Oil range organic
Bold indicates a detection
NA - Not analyzed

Table 9-7
Groundwater Samples Used in Average Concentrations Calculations in Area 8: Office Complex North Boeing Tract 1, St. Louis, Missouri

	Volatile Organic Compounds	Total Petroleum Hydrocarbons	Polynuclear Aromatic Hydrocarbons	Polychlorinated Biphenyls	Metals
8A	B220I1W				MW10SW
	MW10SW				
8B	MW4W	B220N1W			B220N2W
					B220N3W
					MW4W
8C		B221E1W			

Note:
- analysis type not performed

Table 9A-8(a)
Groundwater Constituents Average Concentrations for VOCs in Sub-area 8A:
Office Complex North
Boeing Tract 1, St. Louis, Missouri

GROUP	VOCs (ug/l)						
	1,1-DICHLOROETHANE	1,1-DICHLOROETHENE	1,2-DICHLOROETHENE (TOTAL)	CIS-1,2-DICHLOROETHENE	TOLUENE	TRICHLOROETHENE	VINYL CHLORIDE
B220I1W	0.5	0.88	54	NA	0.5	220	1
MW10SW	13.70	0.79	NA	2.99	2.42	0.79	2.82
Average Concentration - Only Samples With VOC Detections	**7.10**	**0.83**		**28.49**	**1.46**	**110.39**	**1.91**

Notes:
ug/l - micrograms per liter
VOCs - Volatile Organic Compounds
NA - Not Analyzed

Table 9A-8(b)
Groundwater Constituents Average Concentrations for Metals in Sub-area 8A: Office Complex North
Boeing Tract 1, St. Louis, Missouri

Sample ID	Metals (ug/l)				
	ARSENIC	BARIUM	CHROMIUM	LEAD	MANGANESE
MW10SW	23	860	109.51	29.47	1300
Average Concentration - Only Samples With Metals Detections	**23**	**860**	**109.51**	**29.471**	**1300**

Notes:
ug/l - micrograms per liter
NA - Not Analyzed
Bold indicates a detection

Table 9B-8(a)
Groundwater Constituents Average Concentrations for VOCs in Sub-area 8B: Office Complex North Boeing Tract 1, St. Louis, Missouri

Sample ID	VOCs (ug/l)
	BROMOMETHANE
MW4W	1.288
Average Concentration - Only Samples With VOC Detections	1.29

Notes:
ug/l - micrograms per liter
VOCs - Volatile Organic Compounds
NA - Not Analyzed

Table 9B-8(b)
Groundwater Constituents Average Concentrations for TPHs in Sub-area 8B: Office Complex North
Boeing Tract 1, St. Louis, Missouri

Constituent Fraction by Sample Event	B220N1W	B220N1W - 2004	Overall Area Average (ug/l)
TPH-DRO			TPH-DRO
7/25/2000	**35,000**	NA	
4/29/2004	NA	**64,000**	
AVERAGE	35,000	64,000	49,500
TPH-GRO			TPH-GRO
4/29/2004	NA	250	
AVERAGE		250	250
TPH-ORO			TPH-ORO
4/29/2004	NA	**32,000**	
AVERAGE		32,000	32,000

Notes:
ug/l - micrograms per liter
TPH - Total petroleum hydrocarbon
DRO - Diesel range organic
GRO - Gasoline range organic
ORO - Oil range organic
Bold indicates a detection
NA - Not analyzed

Table 9B-8(c)
Groundwater Constituents Average Concentrations for Metals in Sub-area 8B: Office Complex North
Boeing Tract 1, St. Louis, Missouri

Sample ID	Metals (ug/l)				
	ARSENIC	BARIUM	CHROMIUM	LEAD	MERCURY
B220N2W	**13.2**	**332**	**44.3**	**19.2**	**0.1**
B220N3W	**17.7**	**518**	**59.4**	**18.8**	**0.1**
MW4W	**13.48**	**426.6**	**50.62**	**18.76**	**0.102**
Average Concentration - Only Samples With Metals Detections	**14.793**	**425.53**	**51.44**	**18.92**	**0.1007**

Notes:
ug/l - micrograms per liter
NA - Not Analyzed
Bold indicates a detection

Table 9C-8(a)
Groundwater Constituents Average Concentrations for TPHs in Sub-area 8C: Office Complex North
Boeing Tract 1, St. Louis, Missouri

Constituent Fraction by Sample Event	B221E1W	Overall Area Average (ug/l)
TPH-DRO		TPH-DRO
7/25/2000	250	
7/26/2000	NA	
AVERAGE	250	250
TPH-GRO		TPH-GRO
7/25/2000	**650**	
7/26/2000	NA	
AVERAGE	650	650
TPH-ORO		TPH-ORO
None		
AVERAGE		

Notes:
ug/l - micrograms per liter
TPH - Total petroleum hydrocarbon
DRO - Diesel range organic
GRO - Gasoline range organic
ORO - Oil range organic
Bold indicates a detection
NA - Not analyzed

Table 9A-9(a)
Soil Constituents of Concern Summary for Non-Residential Worker for Sub-area 8A: Office Complex North
Boeing Tract 1, St. Louis, Missouri

Constituents of Concern	# of Samples	# of Detects	Ratio of Max Detected to Average Concentration	Concentration			Max Detected Exceeds Background
				Max Detected (ug/kg)	Average (ug/kg)	Background (ug/kg)	
Volatile Organic Compounds (VOCs)							
Trichloroethene	6	3	1.36	54.3	39.97	NA	N/A
Total Metals							
Arsenic	6	6	1.09	13,600	12,500	9,200	Y
Barium	6	6	1.20	193,000	161,500	725,000	N
Cadmium	6	6	1.04	400	383.3	<1,000	N
Chromium	6	6	1.52	33,100	21,767	58,000	N
Lead	6	6	1.17	15,500	13,267	21,800	N
Mercury	6	6	1.30	50	38	39	Y

Notes:
ug/kg - micrograms per kilogram
DRO - Diesel range organic
GRO - Gasoline range organic
ORO - Oil range organic
NA: Not available
ND - Not detected
N/A - Not applicable
Max Detected - Maximum value of detected concentrations

Table 9A-9(b)
Soil Constituents of Concern Summary for Construction Worker for Sub-area 8A: Office Complex North
Boeing Tract 1, St. Louis, Missouri

Constituents of Concern	# of Samples	# of Detects	Ratio of Max Detected to Average Concentration	Concentration			
				Max Detected (ug/kg)	Average (ug/kg)	Background (ug/kg)	Max Detected Exceeds Background
Volatile Organic Compounds (VOCs)							
Acetone	3	1	1.82	130	71.25	NA	N/A
cis-1,2-Dichloroethene	4	1	1.95	75	38.38	NA	N/A
Methyl ethyl ketone (MEK)	3	1	1.80	110	61.25	NA	N/A
Methylene chloride	4	1	1.52	11	7.25	NA	N/A
Trichloroethene	10	1	1.58	54.3	34.28	NA	N/A
Polynuclear Aromatic Hydrocabons (PAHs)							
None		0	N/A	ND	N/A	N/A	N/A
Total Metals							
Arsenic	7	7	1.23	13,600	11,057	9,200	Y
Barium	7	7	1.30	193,000	148,300	725,000	N
Cadmium	7	7	1.67	720	431.4	<1,000	N
Chromium	7	7	1.66	33,100	20,000	58,000	N
Lead	7	7	1.28	15,500	12,086	21,800	N
Mercury	7	6	1.17	50	43	39	Y

Notes:
ug/kg - micrograms per kilogram
DRO - Diesel range organic
GRO - Gasoline range organic
ORO - Oil range organic
NA: Not available
ND - Not detected
N/A - Not applicable
Max Detected - Maximum value of detected concentrations

Table 9B-9(a)
Soil Constituents of Concern Summary for Non-Residential Worker for Sub-area 8B: Office Complex North
Boeing Tract 1, St. Louis, Missouri

Constituents of Concern	# of Samples	# of Detects	Ratio of Max Detected to Average Concentration	Concentration			
				Max Detected (ug/kg)	Average (ug/kg)	Background (ug/kg)	Max Detected Exceeds Background
Volatile Organic Compounds (VOCs)							
None	1	0	N/A	ND	N/A	NA	N/A
Total Petroleum Hydrocarbons (TPH)							
TPH DRO	2	0	N/A	ND	N/A	NA	N/A
TPH GRO	2	0	N/A	ND	N/A	NA	N/A
Total Metals							
Arsenic	1	1	1.00	4,100	4,100	9,200	N
Barium	1	1	1.00	118,000	118,000	725,000	N
Cadmium	1	1	1.00	770	770.0	<1,000	N
Chromium	1	1	1.00	14,900	14,900	58,000	N
Lead	1	1	1.00	9,300	9,300	21,800	N

Notes:
ug/kg - micrograms per kilogram
DRO - Diesel range organic
GRO - Gasoline range organic
ORO - Oil range organic
NA: Not available
ND - Not detected
N/A - Not applicable
Max Detected - Maximum value of detected concentrations

Table 9B-9(b)
Soil Constituents of Concern Summary for Construction Worker for Sub-area 8B: Office Complex North
Boeing Tract 1, St. Louis, Missouri

Constituents of Concern	# of Samples	# of Detects	Ratio of Max Detected to Average Concentration	Concentration			
				Max Detected (ug/kg)	Average (ug/kg)	Background (ug/kg)	Max Detected Exceeds Background
Volatile Organic Compounds (VOCs)							
Methyl ethyl ketone (MEK)	3	1	1.00	10	10.00	NA	N/A
Polynuclear Aromatic Hydrocabons (PAHs)							
Benzo(b)fluoranthene	1	1	1.00	66	66	N/A	N/A
Chrysene	1	1	1.00	44	44	N/A	N/A
Polychlorinated Biphenyls (PCBs)							
None		0	N/A	ND	N/A	N/A	N/A
Total Petroleum Hydrocarbons (TPH)							
TPH DRO	4	0	N/A	ND	N/A	NA	N/A
TPH GRO	4	0	N/A	ND	N/A	NA	N/A
Total Metals							
Arsenic	3	3	1.39	7,400	5,333	9,200	N
Barium	3	3	1.26	118,000	93,533	725,000	N
Cadmium	3	2	1.25	770	615.0	<1,000	N
Chromium	3	3	1.10	14,900	13,533	58,000	N
Lead	3	3	1.10	9,300	8,467	21,800	N
Mercury	3	1	0.29	14	48	39	N

Notes:
ug/kg - micrograms per kilogram
DRO - Diesel range organic
GRO - Gasoline range organic
ORO - Oil range organic
NA: Not available
ND - Not detected
N/A - Not applicable
Max Detected - Maximum value of detected concentrations

Table 9C-9(a)
Soil Constituents of Concern Summary for Non-Residential Worker for Sub-area 8C: Office Complex North
Boeing Tract 1, St. Louis, Missouri

Constituents of Concern	# of Samples	# of Detects	Ratio of Max Detected to Average Concentration	Concentration			
				Max Detected (ug/kg)	Average (ug/kg)	Background (ug/kg)	Max Detected Exceeds Background
None							

Notes:
ug/kg - micrograms per kilogram
DRO - Diesel range organic
GRO - Gasoline range organic
ORO - Oil range organic
NA: Not available
ND - Not detected
N/A - Not applicable
Max Detected - Maximum value of detected concentrations

Table 9C-9(b)
Soil Constituents of Concern Summary for Construction Worker for Sub-area 8C: Office Complex North
Boeing Tract 1, St. Louis, Missouri

Constituents of Concern	# of Samples	# of Detects	Ratio of Max Detected to Average Concentration	Concentration			
				Max Detected (ug/kg)	Average (ug/kg)	Background (ug/kg)	Max Detected Exceeds Background
Volatile Organic Compounds (VOCs)							
Acetone	4	4	1.06	71	67.00	NA	N/A
Tetrachloroethene	4	2	1.37	4.6	3.35	NA	N/A
Total Petroleum Hydrocarbons (TPH)							
TPH DRO	4	2	3.07	1,200,000	390,375	NA	N/A
TPH GRO	4	3	2.48	5,200	2,096	NA	N/A

Notes:
ug/kg - micrograms per kilogram
DRO - Diesel range organic
GRO - Gasoline range organic
ORO - Oil range organic
NA: Not available
ND - Not detected
N/A - Not applicable
Max Detected - Maximum value of detected concentrations

Table 9A-10
Groundwater Constituent of Concern Summary for Sub-area 8A: Office Complex North
Boeing Tract 1, St. Louis, Missouri

Constituents of Concern	# of Samples	# of Detects	Ratio of Max Detected to Average Concentration	Concentration			
				Max Detected (ug/L)	Average (ug/L)	Maximum Concentration Limit (MCL) or Equivalent (ug/L)	Max Detected Exceeds MCL or Equivalent
Volatile Organic Compounds (VOCs)							
1,1-Dichloroethane	14	12	2.54	18	7.10	157	N
1,1-Dichloroethene	13	1	1.06	0.88	0.83	7.0	N
cis-1,2-Dichloroethene	17	15	1.90	54	28.49	70	N
Toluene	13	1	0.96	1.4	1.46	1,000	N
Trichloroethene	13	2	1.99	220	110.39	5	Y
Vinyl chloride	15	11	1.88	3.6	1.91	2	Y
Total Metals							
Arsenic	5	1	1.02	23.5	23	10	Y
Barium	7	12	4.19	3,600	860	2,000	Y
Chromium	6	10	5.57	610	109.5	100	Y
Lead	7	9	1.62	47.6	29.47	15	Y
Manganese	1	1	1.00	1,300	1,300	50	Y

Notes:
ug/L - micrograms per liter
DRO - Diesel range organic
GRO - Gasoline range organic
ORO - Oil range organic
NA: Not available
ND - Not detected
N/A - Not applicable
Max Detected - Maximum value of detected concentrations

Table 9B-10
Groundwater Constituent of Concern Summary for Sub-area 8B: Office Complex North
Boeing Tract 1, St. Louis, Missouri

Constituents of Concern	# of Samples	# of Detects	Ratio of Max Detected to Average Concentration	Concentration			
				Max Detected (ug/L)	Average (ug/L)	Maximum Concentration Limit (MCL) or Equivalent (ug/L)	Max Detected Exceeds MCL or Equivalent
Volatile Organic Compounds (VOCs)							
Bromomethane	8	1	1.40	1.8	1.29	10	N
Polynuclear Aromatic Hydrocabons (PAHs)							
None	4	0	N/A	ND	N/A	N/A	N/A
Polychlorinated Biphenyls (PCBs)							
None	4	0	N/A	ND	N/A	N/A	N/A
Total Petroleum Hydrocarbons (TPH)							
TPH DRO	5	2	1.29	64,000	49,500	NA	N/A
TPH GRO	4	0	N/A	ND	250	NA	N/A
TPH ORO	1	1	1.00	32,000	32,000	NA	N/A
Total Metals							
Arsenic	5	3	2.36	34.9	14.79	10	Y
Barium	5	7	1.84	783	425.5	2,000	N
Chromium	5	7	2.97	153	51.44	100	Y
Lead	5	6	2.61	49.3	18.92	15	Y
Mercury	5	1	1.09	0.11	0.10	2	N

Notes:
ug/L - micrograms per liter
DRO - Diesel range organic
GRO - Gasoline range organic
ORO - Oil range organic
NA: Not available
ND - Not detected
N/A - Not applicable
Max Detected - Maximum value of detected concentrations

Table 9C-10
Groundwater Constituent of Concern Summary for Sub-area 8C: Office Complex North
Boeing Tract 1, St. Louis, Missouri

Constituents of Concern	# of Samples	# of Detects	Ratio of Max Detected to Average Concentration	Concentration			
				Max Detected (ug/L)	Average (ug/L)	Maximum Concentration Limit (MCL) or Equivalent (ug/L)	Max Detected Exceeds MCL or Equivalent
Volatile Organic Compounds (VOCs)							
None	2	0	N/A	ND	N/A	N/A	N/A
Total Petroleum Hydrocarbons (TPH)							
TPH DRO	3	0	N/A	ND	250	NA	N/A
TPH GRO	3	1	1.00	650	650	NA	N/A

Notes:
ug/L - micrograms per liter
DRO - Diesel range organic
GRO - Gasoline range organic
ORO - Oil range organic
NA: Not available
ND - Not detected
N/A - Not applicable
Max Detected - Maximum value of detected concentrations

Table 9A-11(a)

Calculation of Individual Excess Lifetime Cancer Risk (IELCR) and Hazard Quotient (HQ) for a Current On-site Non-residential Worker

Sub-area 8A: Office Complex North, Boeing Tract 1, St. Louis, Missouri

COCs	Average Soil Conc. (ug/kg)	Indoor Inhalation of Vapors from Subsurface Soil		Average GW Conc. (ug/L)	Indoor Inhalation of Vapors from Groundwater		Sum of IELCR	Sum of HQ (HI)
		IELCR	HQ		IELCR	HQ		
Toluene	---	---	---	1.5	NA	2.37E-07	NA	2.37E-07
Trichloroethene	40	3.11E-10	1.46E-05	110	6.07E-09	2.85E-04	6.38E-09	3.00E-04
Vinyl chloride	---	---	---	1.9	1.73E-08	5.67E-06	1.73E-08	5.67E-06
Organics Total Risk		**3.11E-10**	**1.46E-05**		**2.34E-08**	**2.91E-04**	**2.37E-08**	**3.06E-04**
Arsenic	12,500	NA	NA	23	NA	NA	NA	NA
Barium	---	---	---	860	NA	NA	NA	NA
Chromium	---	---	---	110	NA	NA	NA	NA
Manganese	---	---	---	1,300	NA	NA	NA	NA
Mercury	38	NA	1.09E-04	---	---	---	NA	1.09E-04
Metals Total Risk		**NA**	**NA**		**NA**	**NA**	**NA**	**NA**
CUMULATIVE RISK		**3.11E-10**	**1.46E-05**		**2.34E-08**	**2.91E-04**	**2.37E-08**	**3.06E-04**

Notes:

NA: Not available

---: Risk evaluation was not performed.

HI: Hazard index

ug/kg: Micrograms per kilogram

ug/L: Micrograms per liter

Table 9A-11(b)
Calculation of Individual Excess Lifetime Cancer Risk (IELCR) and Hazard Quotient (HQ) for a Future Construction Worker
Sub-area 8A: Office Complex North, Boeing Tract 1, St. Louis, Missouri

COCs	Average Soil Conc.	Dermal Contact with Soil		Accidental Ingestion of Soil		Outdoor Inhalation of Vapors and Particulates from Soil		Average GW Conc. (ug/L)	Dermal Contact with Groundwater		Outdoor Inhalation of Vapors from Groundwater		Sum of IELCR	Sum of HQ (HI)
	(ug/kg)	IELCR	HQ	IELCR	HQ	IELCR	HQ		IELCR	HQ	IELCR	HQ		
Acetone	71	NA	2.48E-07	NA	2.62E-07	NA	6.17E-07	—	—	—	—	—	NA	1.13E-06
cis-1,2-Dichloroethene	38	NA	1.34E-07	NA	1.49E-06	NA	7.54E-06	—	—	—	—	—	NA	9.16E-06
Methyl ethyl ketone (MEK)	61	NA	3.56E-08	NA	3.96E-08	NA	1.38E-07	—	—	—	—	—	NA	2.13E-07
Methylene Chloride	7.3	2.71E-13	4.21E-08	3.01E-13	4.68E-08	4.52E-13	2.24E-08	—	—	—	—	—	1.02E-12	1.11E-07
Trichloroethene	34	3.13E-15	3.32E-09	2.09E-12	2.21E-06	4.54E-12	5.33E-06	110	6.15E-09	6.52E-03	4.90E-12	5.75E-06	6.16E-09	6.53E-03
Toluene	—	—	—	—	—	—	—	1.5	NA	7.27E-06	NA	5.17E-09	NA	7.28E-06
Vinyl chloride	—	—	—	—	—	—	—	1.9	8.38E-09	1.03E-04	1.07E-11	8.72E-08	8.39E-09	1.03E-04
Organics Total Risk		2.74E-13	4.63E-07	2.39E-12	4.05E-06	4.99E-12	1.36E-05		1.45E-08	6.63E-03	1.56E-11	5.84E-06	1.46E-08	6.65E-03
Arsenic	11,057	2.75E-10	4.28E-05	8.72E-08	1.36E-02	1.45E-10	2.26E-06	23	NA	NA	NA	NA	8.76E-08	1.36E-02
Barium	—	—	—	—	—	—	—	860	NA	NA	NA	NA	NA	NA
Chromium	—	—	—	—	—	—	—	110	NA	NA	NA	NA	NA	NA
Manganese	—	—	—	—	—	—	—	1,300	NA	NA	NA	NA	NA	NA
Mercury	43	NA	1.66E-07	NA	8.30E-06	NA	2.00E-04	—	—	—	—	—	NA	2.09E-04
Organics Total Risk		2.75E-10	4.30E-05	8.72E-08	1.36E-02	1.45E-10	2.02E-04		NA	NA	NA	NA	8.76E-08	1.38E-02
CUMULATIVE RISK		2.76E-10	4.35E-05	8.72E-08	1.36E-02	1.50E-10	2.16E-04		1.45E-08	6.63E-03	1.56E-11	5.84E-06	1.02E-07	2.05E-02

Notes:
NA: Not available
—: Risk evaluation was not performed.
HI: Hazard index
TPH: Total petroleum hydrocarbon
DRO: Diesel range organic
GRO: Gasoline range organic
ORO: Oil range organic
ug/kg: Micrograms per kilogram
ug/L: Micrograms per liter

Table 9B-11(a)

Calculation of Individual Excess Lifetime Cancer Risk (IELCR) and Hazard Quotient (HQ) for a Current On-site Non-residential Worker

Sub-area 8B: Office Complex North, Boeing Tract 1, St. Louis, Missouri

COCs	Average Soil Conc. (ug/kg)	Indoor Inhalation of Vapors from Subsurface Soil		Average GW Conc. (ug/L)	Indoor Inhalation of Vapors from Groundwater		Sum of IELCR	Sum of HQ (HI)
		IELCR	HQ		IELCR	HQ		
Aliphatics > nC6 to nC8 (TX1006)	—	—	—	83	NA	4.87E-05	NA	4.87E-05
Aliphatics > nC8 to nC10 (TX1006)	—	—	—	83	NA	1.43E-03	NA	1.43E-03
Aromatics > nC8 to nC10 (TX1006)	—	—	—	83	NA	4.67E-05	NA	4.67E-05
TPH-GRO	—	—	—	**250**	**NA**	**1.53E-03**	**NA**	**1.53E-03**
Aliphatics > nC10 to nC12 (TX1006)	—	—	—	467	NA	1.20E-02	NA	1.20E-02
Aliphatics > nC12 to nC16 (TX1006)	—	—	—	9,340	NA	1.04E+00	NA	1.04E+00
Aliphatics > nC16 to nC21 (TX1006)	—	—	—	28,019	NA	2.95E+01	NA	2.95E+01
Aromatics > nC10 to nC12 (TX1006)	—	—	—	467	NA	8.46E-05	NA	8.46E-05
Aromatics > nC12 to nC16 (TX1006)	—	—	—	3,736	NA	2.82E-04	NA	2.82E-04
Aromatics > nC16 to nC21 (TX1006)	—	—	—	7,472	NA	1.57E-04	NA	1.57E-04
TPH-DRO	—	—	—	**49,500**	**NA**	**3.05E+01**	**NA**	**3.05E+01**
Aliphatics > nC21 to nC35 (TX1006)	—	—	—	22,857	NA	2.41E+01	NA	2.41E+01
Aromatics > nC21 to nC35 (TX1006)	—	—	—	9,143	NA	2.23E-05	NA	2.23E-05
TPH-ORO	—	—	—	**32,000**	**NA**	**2.41E+01**	**NA**	**2.41E+01**
TPH Total Risk		**NA**	**NA**		**NA**	**5.46E+01**	**NA**	**5.46E+01**
Arsenic	—	—	—	15	NA	NA	NA	NA
Chromium	—	—	—	51	NA	NA	NA	NA
Metals Total Risk		**NA**	**NA**		**NA**	**NA**	**NA**	**NA**
CUMULATIVE RISK		**NA**	**NA**		**NA**	**5.46E+01**	**NA**	**5.46E+01**

Notes:

NA: Not available

—: Risk evaluation was not performed.

HI: Hazard index

TPH: Total petroleum hydrocarbon

DRO: Diesel range organic

GRO: Gasoline range organic

ORO: Oil range organic

ug/kg: Micrograms per kilogram

ug/L: Micrograms per liter

Table 9B-11(b)
Calculation of Individual Excess Lifetime Cancer Risk (IELCR) and Hazard Quotient (HQ) for a Future Construction Worker
Sub-area 8B: Office Complex North, Boeing Tract 1, St. Louis, Missouri

COCs	Average Soil Conc.	Dermal Contact with Soil		Accidental Ingestion of Soil		Outdoor Inhalation of Vapors and Particulates from Soil		Average GW Conc. (ug/L)	Dermal Contact with Groundwater		Outdoor Inhalation of Vapors from Groundwater		Sum of IELCR	Sum of HQ (HI)
	(ug/kg)	IELCR	HQ	IELCR	HQ	IELCR	HQ		IELCR	HQ	IELCR	HQ		
Methyl ethyl ketone (MEK)	10	NA	5.81E-09	NA	6.46E-09	NA	2.25E-08	—	—	—	—	—	NA	3.48E-08
Benzo(b)fluoranthene	66	1.04E-10	NA	2.67E-10	NA	8.95E-13	NA	—	—	—	—	—	3.72E-10	NA
Chrysene	44	6.93E-13	NA	1.78E-12	NA	1.02E-14	NA	—	—	—	—	—	2.48E-12	NA
Organics Total Risk		**1.05E-10**	**5.81E-09**	**2.68E-10**	**6.46E-09**	**9.05E-13**	**2.25E-08**		**NA**	**NA**	**NA**	**NA**	**3.74E-10**	**3.48E-08**
Aliphatics > nC6 to nC8 (TX1006)	—	—	—	—	—	—	—	83	NA	NA	NA	4.35E-07	NA	4.35E-07
Aliphatics > nC8 to nC10 (TX1006)	—	—	—	—	—	—	—	83	NA	NA	NA	1.28E-05	NA	1.28E-05
Aromatics > nC8 to nC10 (TX1006)	—	—	—	—	—	—	—	83	NA	NA	NA	5.04E-07	NA	5.04E-07
TPH-GRO	—	—	—	—	—	—	—	**250**	**NA**	**NA**	**NA**	**1.37E-05**	**NA**	**1.37E-05**
Aliphatics > nC10 to nC12 (TX1006)	—	—	—	—	—	—	—	467	NA	NA	NA	1.07E-04	NA	1.07E-04
Aliphatics > nC12 to nC16 (TX1006)	—	—	—	—	—	—	—	9,340	NA	NA	NA	9.29E-03	NA	9.29E-03
Aliphatics > nC16 to nC21 (TX1006)	—	—	—	—	—	—	—	28,019	NA	NA	NA	2.63E-01	NA	2.63E-01
Aromatics > nC10 to nC12 (TX1006)	—	—	—	—	—	—	—	467	NA	NA	NA	1.30E-06	NA	1.30E-06
Aromatics > nC12 to nC16 (TX1006)	—	—	—	—	—	—	—	3,736	NA	NA	NA	7.29E-06	NA	7.29E-06
Aromatics > nC16 to nC21 (TX1006)	—	—	—	—	—	—	—	7,472	NA	NA	NA	1.17E-05	NA	1.17E-05
TPH-DRO	—	—	—	—	—	—	—	**49,500**	**NA**	**NA**	**NA**	**2.72E-01**	**NA**	**2.72E-01**
Aliphatics > nC21 to nC35 (TX1006)	—	—	—	—	—	—	—	22,857	NA	NA	NA	2.14E-01	NA	2.14E-01
Aromatics > nC21 to nC35 (TX1006)	—	—	—	—	—	—	—	9,143	NA	NA	NA	1.33E-05	NA	1.33E-05
TPH-ORO	—	—	—	—	—	—	—	**32,000**	**NA**	**NA**	**NA**	**2.14E-01**	**NA**	**2.14E-01**
TPH Total Risk		**NA**	**NA**	**NA**	**NA**	**NA**	**NA**		**NA**	**NA**	**NA**	**4.86E-01**	**NA**	**4.86E-01**
Arsenic	—	—	—	—	—	—	—	15	NA	NA	NA	NA	NA	NA
Chromium	—	—	—	—	—	—	—	51	NA	NA	NA	NA	NA	NA
Mercury	—	—	—	—	—	—	—	—	—	—	—	—	NA	NA
Organics Total Risk		**NA**	**NA**	**NA**	**NA**	**NA**	**NA**		**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
CUMULATIVE RISK		**1.05E-10**	**5.81E-09**	**2.68E-10**	**6.46E-09**	**9.05E-13**	**2.25E-08**		**NA**	**NA**	**NA**	**4.86E-01**	**3.74E-10**	**4.86E-01**

Notes:
NA: Not available
—: Risk evaluation was not performed.
HI: Hazard index
TPH: Total petroleum hydrocarbon
DRO: Diesel range organic
GRO: Gasoline range organic
ORO: Oil range organic
ug/kg: Micrograms per kilogram
ug/L: Micrograms per liter

Table 9C-11(a)

Calculation of Individual Excess Lifetime Cancer Risk (IELCR) and Hazard Quotient (HQ) for a Current On-site Non-residential Worker

Sub-area 8C: Office Complex North, Boeing Tract 1, St. Louis, Missouri

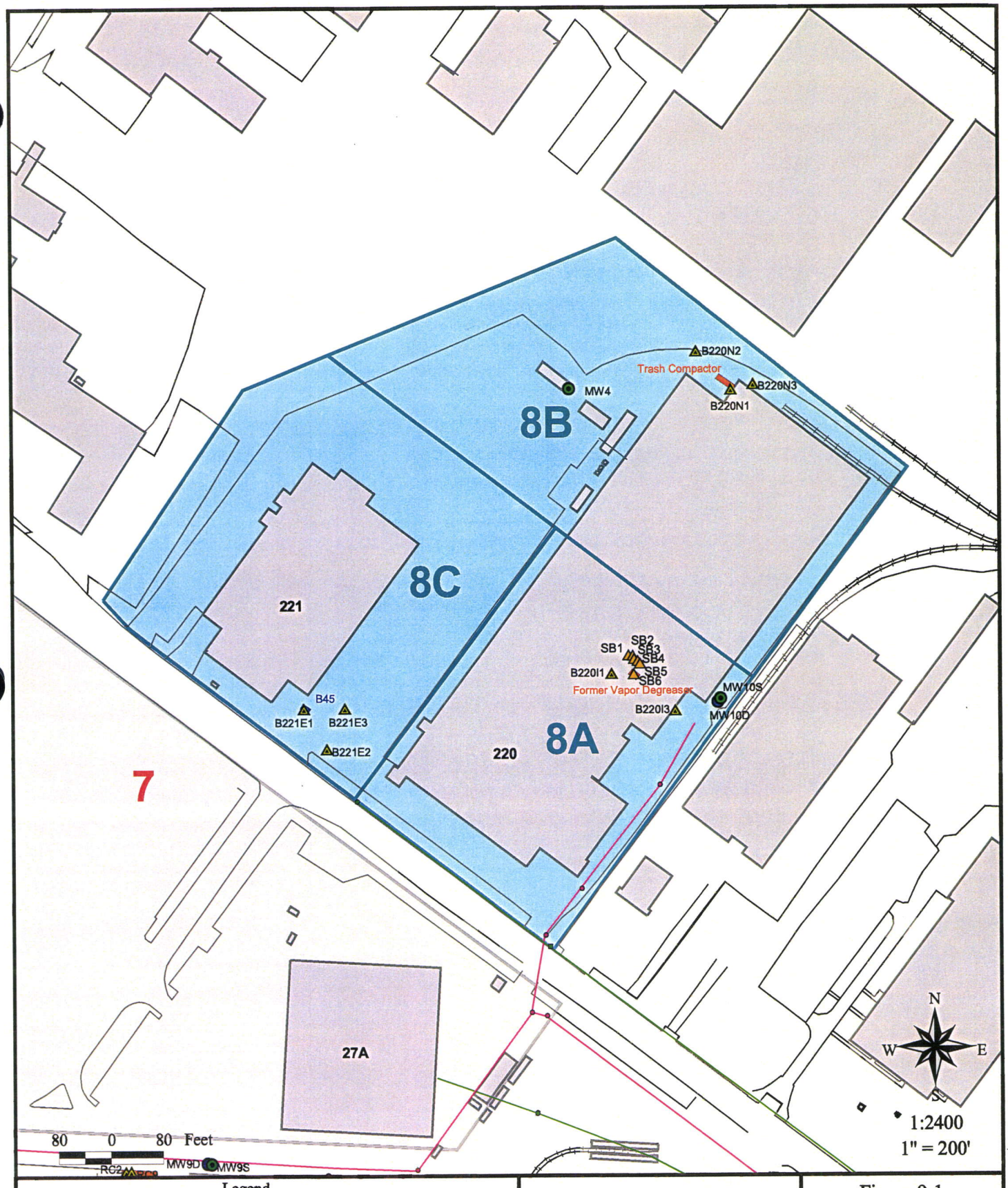
COCs	Average Soil Conc. (ug/kg)	Indoor Inhalation of Vapors from Subsurface Soil		Average GW Conc. (ug/L)	Indoor Inhalation of Vapors from Groundwater		Sum of IELCR	Sum of HQ (HI)
		IELCR	HQ		IELCR	HQ		
TPH-GRO	---	---	---	650	NA	4.72E-03	NA	4.72E-03
TPH-DRO	---	---	---	250	NA	5.90E-02	NA	5.90E-02
TPH Total Risk		**NA**	**NA**		**NA**	**6.38E-02**	**NA**	**6.38E-02**
CUMULATIVE RISK		**NA**	**NA**		**NA**	**6.38E-02**	**NA**	**6.38E-02**

Notes:
NA: Not available
---: Risk evaluation was not performed.
HI: Hazard index
TPH: Total petroleum hydrocarbon
DRO: Diesel range organic
GRO: Gasoline range organic
ug/kg: Micrograms per kilogram
ug/L: Micrograms per liter

Table 9C-11(b)
Calculation of Individual Excess Lifetime Cancer Risk (IELCR) and Hazard Quotient (HQ) for a Future Construction Worker
Sub-area 8C: Office Complex North, Boeing Tract 1, St. Louis, Missouri

COCs	Average Soil Conc.	Dermal Contact with Soil		Accidental Ingestion of Soil		Outdoor Inhalation of Vapors and Particulates from Soil		Average GW Conc. (ug/L)	Dermal Contact with Groundwater		Outdoor Inhalation of Vapors from Groundwater		Sum of IELCR	Sum of HQ (HI)
	(ug/kg)	IELCR	HQ	IELCR	HQ	IELCR	HQ		IELCR	HQ	IELCR	HQ		
Acetone	67	NA	2.34E-07	NA	2.47E-07	NA	5.80E-07	---	---	---	---	---	NA	1.06E-06
Tetrachloroethene	3.4	8.68E-14	1.17E-08	9.64E-13	1.30E-07	1.99E-13	6.00E-08	---	---	---	---	---	1.25E-12	2.01E-07
Organics Total Risk		8.68E-14	2.45E-07	9.64E-13	3.76E-07	1.99E-13	6.40E-07		NA	NA	NA	NA	1.25E-12	1.26E-06
TPH-GRO	2,096	NA	NA	NA	9.53E-06	NA	1.23E-05	650	NA	NA	NA	7.24E-05	NA	9.42E-05
TPH-DRO	390,375	NA	8.61E-04	NA	2.62E-03	NA	7.49E-04	250	NA	NA	NA	8.97E-04	NA	5.12E-03
TPH Total Risk		NA	8.61E-04	NA	2.63E-03	NA	7.62E-04		NA	NA	NA	9.69E-04	NA	5.22E-03
CUMULATIVE RISK		8.68E-14	8.61E-04	9.64E-13	2.63E-03	1.99E-13	7.62E-04		NA	NA	NA	9.69E-04	1.25E-12	5.22E-03

Notes:
NA: Not available
---: Risk evaluation was not performed.
HI: Hazard index
TPH: Total petroleum hydrocarbon
GRO: Gasoline range organic
DRO: Diesel range organic
ug/kg: Micrograms per kilogram
ug/L: Micrograms per liter



Legend

- Other Shallow Boring
- RFI Shallow Boring
- RFI Shallow Boring/Temp. Piezometer
- RFA Boring
- Abandoned Shallow Piezometer
- Abandoned Shallow Well
- RFI Deep Boring/Temp. Piezometer
- Industrial Sewer Line
- Sanitary Waste Line
- Manhole (Type by Color)
- UST
- SWMU

Drawn by: BSM Approved by:

Checked by: Date: September 13, 2004

Risk Assessment & Management Group, Inc.

Figure 9-1
Exposure Area 8:
Sub Areas:
8A, 8B, & 8C
Office Complex North,
Boeing Tract 1 North

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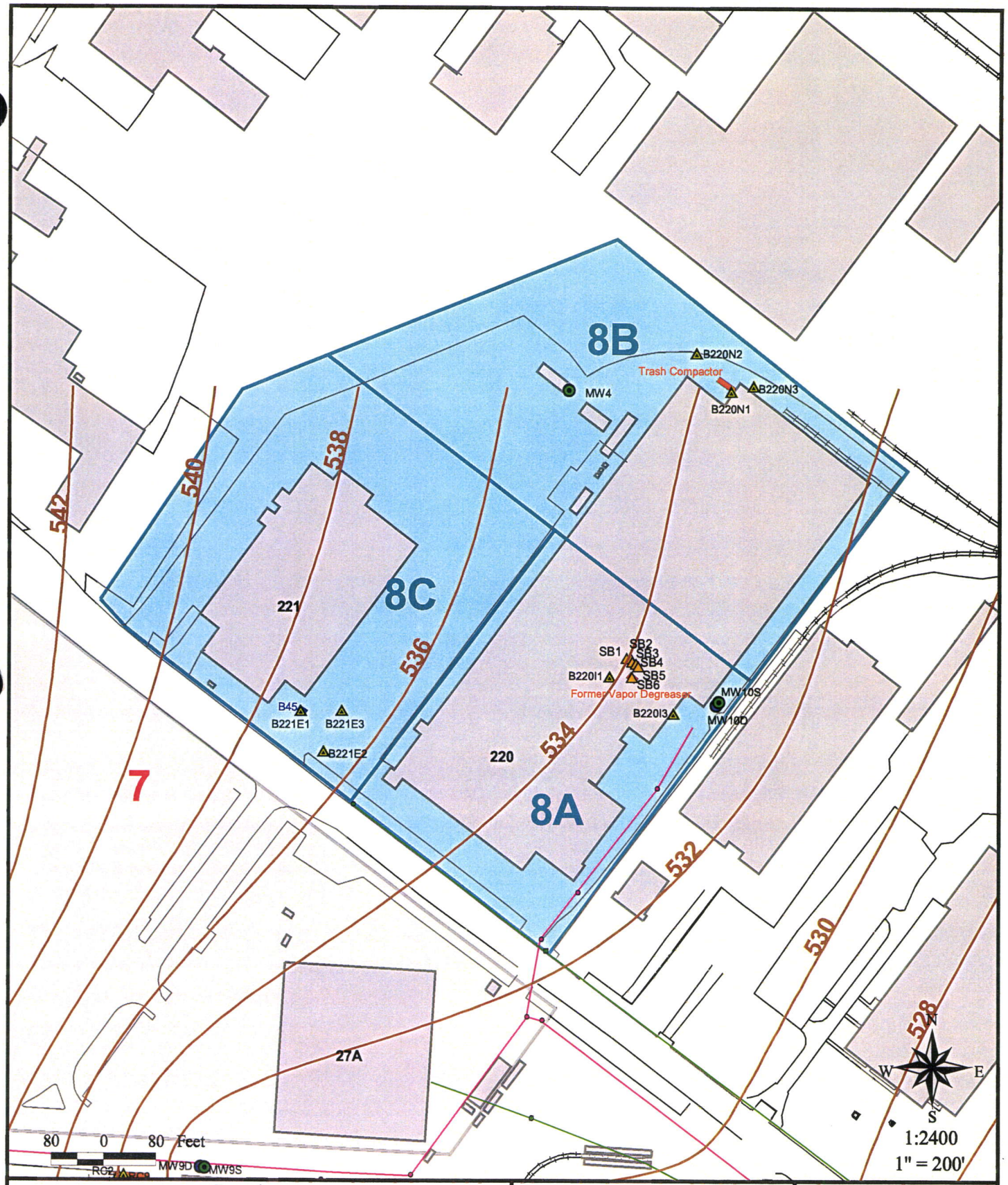

Legend

- Other Shallow Boring
- RFI Shallow Boring
- RFI Shallow Boring/Temp. Piezometer
- RFA Boring
- Abandoned Shallow Piezometer
- Abandoned Shallow Well
- RFI Deep Boring/Temp. Piezometer
- Shallow Groundwater Isopleth
- Industrial Sewer Line
- Sanitary Waste Line
- Manhole (Type by Color)
- UST
- SWMU

Drawn by: BSM Approved by:

Checked by: Date: September 13, 2004

Risk Assessment & Management Group, Inc.

Figure 9-2
Shallow Groundwater Isopleth Map For Area 8: Office Complex North, Boeing Tract 1 North

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ATTACHMENT 9-A

ECOLOGICAL RISK ASSESSMENT – AREA 8 OFFICE COMPLEX NORTH TIER 1 SCREENING CHECKLIST FOR POTENTIAL RECEPTORS AND HABITAT CHECKLIST #1

1. Is the site less than ½ mile to a surface water resource (pond, river, lake, etc.)?

   Yes, the downgradient edge of Area 8 is about 1,600 feet northwest of Coldwater Creek, and the northwest corner of Area 8 is about 500 feet southwest of a tributary to Coldwater Creek.

2. Are wetlands (e.g. marshes, swamps, fens) on or adjacent to the site?

   No.

3. Are contaminated soils uncovered or otherwise accessible to ecological receptors and the elements?

   No, the impacted areas of the site are paved.

4. Has a process (operational) discharge or storm water permit not been issued for the site?

   Site-wide, there is a storm water permit.

5. Is the site located in a known Karst environment (see Reference map)?

   No.

6. Are there federal or state rare, threatened, or endangered species on or within a ½ mile radius of the site? Note, the ½ mile radius limit does not necessarily apply to situations where a hydrogeological connection exists between the site and karsitic features.

   No.

7. Are there one or more environmentally sensitive areas (see Ecological Risk Assessment Figure #1 for definition) at or within a ½ mile radius of the site?

   No.

8. Are commercially or recreationally important species (fauna or flora) on or within a ½ mile radius of the site?

   No.

ATTACHMENT 9-B

ECOLOGICAL RISK ASSESSMENT – AREA 8 OFFICE COMPLEX NORTH TIER 1 SCREENING CHECKLIST FOR POTENTIAL RECEPTORS AND HABITAT CHECKLIST #2

1a. Can contaminants associated with the site leach, dissolve, or otherwise migrate to groundwater?

Yes, groundwater has been impacted.

1b. Are contaminants associated with the site mobile in groundwater?

Yes.

1c. Does groundwater from the site discharge into to ecological receptor habitat?

Eventually groundwater could discharge into Coldwater Creek.

1. Could contaminants associated with the site reach ecological receptors via groundwater?

Based on the distance to the creek and the current groundwater concentrations, it is very unlikely that impacted groundwater from Area 8 could reach the creek.

2a. Is NAPL present at the site?

No.

2b. Is NAPL migrating?

No.

2c. Could NAPL discharge occur where ecological receptors are found?

No.

2. Could contaminants from the site reach ecological receptors via migration of NAPL?

No.

3a. Are contaminants present in surface soils?

Yes, under the building 220 floor slab.

3b. Can contaminants be leached from or be transported by erosion of surface soils?

No, the impacted areas of the site are paved.

3. Could contaminants reach ecological receptors via erosional transport of contaminated soil or via precipitation runoff?

No, the impacted areas of the site are paved.

4a. Are contaminants present in surface soil or on the surface of the ground?

Only impacted surficial soils are under the Building 220 floor slab.

4b. Are potential ecological receptors on the site?

No.

4. Could contaminants reach ecological receptors via direct contact?

No, the impacted areas of the site are paved.

5a. Are contaminants present on the site volatile?

Yes.

5b. Could contaminants on the site be transported in air as dust or particulate matter?

No, the impacted areas of the site are paved.

5. Could contaminants reach ecological receptors via inhalation of volatilized contaminants or contaminants adhered to dust in ambient air or in subsurface burrows?

No, the impacted areas of sites are paved.

6a. Are contaminants present in surface and shallow subsurface soils or on the surface of the ground?

Only impacted surficial soils are under the Building 220 floor slab..

6b. Are contaminants found in soil on the site taken up by plants growing on the site?

No, the impacted areas of the site are paved.

6c. Do potential ecological receptors on or near the site feed on plants found on the site?

No, the impacted areas of site are paved.

6d. Do contaminants found on the site bioaccumulate?

No.

6. Could contaminants reach ecological receptors via ingestion of either soil, plants, animals, or contaminants directly?

No.

7a. Are there Karsitic features on or within a ½ mile radius of the site?

No.

7b. Is there a hydrogeological connection between the site and karsitic features such as seeps, springs, streams, or other surface water bodies?

No.

7. Could contaminants reach ecological receptors via transport through a Karst system?

No.

10.1 INTRODUCTION

The Gun Range, also referred to as Area 9, is located in the southeastern portion of the Facility, adjacent and south of the Norfolk and Western Railroad Company railroad tracks and Banshee Road, and is bounded on the southwest by Area 3, on the west by Area 4, on the east by Area 5, and on the southeast by the Airport runway (see Figure 10-1). This section describes the constituents in this Area, the exposure model, the evaluation of the current and future risk to human health and the environment, and conclusions based on the results of the risk evaluation.

10.2 DESCRIPTION OF AREA

The Gun Range is an area approximately 600 feet long by 500 feet wide. Within this Area, there are five main buildings and a parking lot.

10.2.1 Potential Sources within Area

The following SWMU was identified in this Area during the RFA investigation (SAIC, 1995):

- SWMU 7: Explosive waste storage area inside Building 10.

Hence, within this Area, we anticipate constituents of concern to be organics and metals.

10.2.2 Soil Stratigraphy within Area

There are six soil borings within this Area, see Table 10-1 for further details of these borings. Based on the soil boring logs, the soil stratigraphy within this Area is clay, silty clay, and clayey silt from approximately 2 feet bgs to 24 feet bgs. For additional details, refer to the RFI (MACTEC, 2004). No borings deeper than 24 feet were advanced in this Area. Based on borings outside this Area, bedrock is at approximately 80 feet bgs (which consists of limestone). No karst features have been identified in this Area. For calculation of risk to indoor inhalation, a depth of 12 feet (365.76 cm) to soil source was used (see Table 1-9).

10.2.3 Hydrogeology within Area

There are no monitoring wells located within this Area. Based on recent (since 2000) groundwater gauging data in monitoring wells outside this Area, groundwater flow within the shallow zone is typically toward Coldwater Creek, which is located in an enclosed culvert below the western portion of this Area; therefore, it is difficult to know the shallow groundwater flow direction in this Area. Based on the soil boring logs, shallow groundwater appears to be present at about 12 feet bgs. To evaluate risk to indoor inhalation, an average depth of 12 feet (365.76 cm) to groundwater was used (see Table 1-13).

10.3 LAND USE

10.3.1 Current Land Use

The current land use is non-residential. The Area is owned by the St. Louis Airport Authority and is currently leased by Boeing. It was previously used as a gun range, FOR TESTING AIRCRAFT WEAPONS. Boeing intends to vacate the Area in the near future.

10.3.2 Future Land Use

Future land use, based on information obtained from the St. Louis Airport Authority, will be non-residential.

10.4 AVAILABLE DATA

The following provides an overview of the available data within the Area:

- Six soil borings have been sampled within this Area since November 2002 resulting in eight individual soil samples including one duplicate.
- All six soil borings were completed as piezometers in this Area and have been sampled for groundwater up to two times for selected constituents during November 2002 and July 2004.

10.5 CONSTITUENTS IDENTIFIED WITHIN AREA

10.5.1 Soil

Two soil sampling events (November 2002 and July 2004) have resulted in eight soil samples collected within Area 9. These samples have been analyzed for a comprehensive list of constituents that included VOCs, SVOCs including PAHs, TPH, and metals. Typical laboratory methods that were used include SW 846 Methods 6010, 7471, 8260, 8270, OA1, and OA2. Appendix J-1 includes a comprehensive table of the laboratory data for constituents detected at least once in soil samples from Area 9. Table 10-2 presents a listing of the soil samples used in the risk calculations. Evaluation of the data in Tables 10-3(a), 10-3(b) and 10-3(c) indicated that the following 18 constituents were detected in at least one soil sample:

METALS		ORGANICS/TPH
Arsenic	Manganese	Acetone
Barium	Mercury	Methylene Chloride
Beryllium	Nickel	Naphthalene
Cadmium	Selenium	Toluene
Chromium	Silver	TPH (1 type)
Copper	Zinc	
Lead		

The data was further screened for potential exposures to the non-residential worker and construction worker.

Non-residential Worker

The non-residential worker data are constituents in soil samples collected above the groundwater table. The data for soil samples collected in this Area at or above a depth of 12 feet bgs were used.

The maximum detected concentrations of metals were compared with the background levels. Metals whose maximum detected concentrations did not exceed the background levels were eliminated from further consideration and included arsenic, barium, beryllium, chromium, lead, mercury and silver. The following nine constituents were considered further:

METALS		ORGANICS
Cadmium	Nickel	Acetone
Copper	Selenium	Methylene Chloride
Manganese	Zinc	Naphthalene

Based on this evaluation, the constituents listed above were considered for quantitative risk evaluation for soil exposures to the non-residential worker.

Construction Worker

The construction worker data are constituents in soil samples collected above the typical construction depth. To be conservative, soil samples collected at or above a depth of 20 feet bgs are included.

The maximum detected concentrations of metals were compared with the background levels. Metals whose maximum detected concentrations did not exceed the background levels were eliminated from further consideration and included arsenic, barium, beryllium, chromium, lead, mercury and silver. The following 11 constituents were considered further:

METALS		VOCs/TPH
Cadmium	Nickel	Acetone
Copper	Selenium	Methylene Chloride
Manganese	Zinc	Naphthalene
		Toluene
		TPH (1 type)

Based on this evaluation, the constituents listed above were considered for quantitative risk evaluation for soil exposures to the construction worker.

10.5.2 Groundwater

During the various investigations conducted within this Area, groundwater samples were analyzed for a comprehensive list of constituents that included VOCs, SVOCs including PAHs, TPH, and metals using laboratory analysis SW 846 Methods 6010, 7470, 8260, 8270, OA1, and

OA2. Appendix J-2 includes a comprehensive list of the groundwater analytical data. Table 10-4 presents a listing of the groundwater samples used in the risk calculations.

Evaluation of the data in Tables 10-5(a) and 10-5(b) indicated that the following 11 constituents were detected in at least one groundwater sample:

METALS		TPH
Arsenic	Lead	TPH (2 types)
Barium	Manganese	
Beryllium	Nickel	
Chromium	Silver	
Copper	Zinc	

The maximum detected concentration for each constituent was compared with various screening criteria. Constituents for which the screening criteria exceeded the maximum detected concentration were eliminated from further consideration. These included barium, beryllium, chromium, copper, nickel, silver, and zinc. Note as discussed in Section 1.9.11, lead was also eliminated. The remaining constituents consist of two metals and TPH. These constituents are listed in the following table:

METALS	TPH
Arsenic	TPH (2 types)
Manganese	

Based on this evaluation, the constituents listed above were considered for quantitative risk evaluation for groundwater exposures.

10.6 FREE PRODUCT

Free product has not been observed within this area.

10.7 EXPOSURE MODEL

10.7.1 Current Conditions

This Area is comprised of the Gun Range buildings and parking lots. Hence, the receptors under current conditions would be the non-residential worker and a visitor/maintenance worker to the area.

Exhibit 10-1 presents the EM for the current non-residential worker. As the exposure duration for the visitor/maintenance worker is less than that for the commercial worker, the risk from any soil or groundwater impact will not be quantitatively evaluated.

EXHIBIT 10-1. EM FOR CURRENT ON-SITE NON-RESIDENTIAL WORKER		
Scenario, Receptor, and Pathways / Routes Analyzed	**C or NC**	**Justification**
Dermal Contact with Surficial Soil	NC	The area is partially paved, but surficial soil is not impacted; therefore, this pathway is incomplete.
Ingestion of Surficial Soil	NC	The area is partially paved, but surficial soil is not impacted; therefore, this pathway is incomplete.
Indoor Inhalation of Vapors from Subsurface Soil	C	**Volatile constituents were detected in soils in this area; therefore, this pathway is complete.**
Indoor Inhalation of Vapors from Groundwater	C	**Vapors from groundwater may migrate into the buildings; hence, this pathway is complete.**
Notes: **NC:** Not Complete **C:** Complete Exposure pathways highlighted in bold indicate that these pathways are complete and will be quantitatively evaluated.		

10.7.2 Future Conditions

Under future conditions, the land use in this Area is not expected to alter; hence, the receptors will remain the same in the future. As such, the risks will not be quantitatively evaluated, as the comparison for the current conditions will be protective of the future non-residential worker. Groundwater concentrations are expected to decrease in the future through natural attenuation processes, further reducing the risk.

In the future, construction work could be performed within this area; therefore, the potential future construction worker is a receptor. Exhibit 10-2 presents the EM for the construction worker.

EXHIBIT 10-2. EM FOR POTENTIAL FUTURE CONSTRUCTION WORKER		
Scenario, Receptor, and Pathways/Routes Analyzed	**C or NC**	**Justification**
Dermal Contact with Soil	**C**	**Soil is impacted at depths less than 20 feet, which is considered the construction zone; therefore, contact is possible.**
Accidental Ingestion of Soil	**C**	**Soil is impacted at depths less than 20 feet, which is considered the construction zone; therefore, ingestion is possible.**
Outdoor Inhalation of Vapors and Particulates from Soil	**C**	**Soil is impacted within this area, and some of the constituents identified are volatile; therefore, this pathway is complete.**
Dermal Contact with Groundwater	**C**	**A construction worker may come in contact with groundwater located at a depth of about 12 feet bgs. Therefore, this pathway is considered complete.**
Outdoor Inhalation of Vapors from Groundwater	**C**	**Vapors from groundwater may migrate upwards through the unsaturated zone and into the ambient air. Hence, this pathway is complete.**
Notes: **NC:** Not Complete **C:** Complete Exposure pathways highlighted in bold indicate that these pathways are complete and will be quantitatively evaluated.		

10.8 REPRESENTATIVE CONCENTRATIONS

Representative concentrations for this Area were determined to be the Area-wide average in soil and groundwater. This was chosen as the sampling activities that have been performed have all been within the areas of most impact; therefore, the mean concentration represents a conservative estimate of the overall impact to the Area. Additionally, no information is known regarding the likely future location of a building; therefore, it is prudent to identify the source areas as the representative concentration.

Tables 10-6(a), 10-6(b), and 10-7 present the soil and groundwater average and maximum concentrations. The ratio of the maximum detected concentration to average concentration is also presented. No constituents exceeded a ratio of 10.

10.9 CALCULATION OF RISK

Tables 10-8(a) and 10-8(b) present the results for the non-residential worker and construction worker, respectively. The tables present the carcinogenic (IELCR) and non-carcinogenic (HQ and HI) risks for:

- Each COC,

- Each route of exposure,
- Cumulative risk for each COC,
- Cumulative risk for each route of exposure, and
- Total risk, which is the sum of risk for all the COCs and all the routes of exposures.

Based on these tables, following are the key observations.

10.9.1 Non-residential Worker

Carcinogenic Risk:

As indicated in Table 10-8(a), the cumulative IELCR is 1.79×10^{-11} that is well below the regulatory acceptable level of 1×10^{-4}. Since the cumulative risk is less than 1×10^{-5}, clearly the risk for each COC and routes of exposure is less than 1×10^{-5} – the regulatory acceptable level.

Non-carcinogenic Risk:

As shown in Table 10-8(a) the cumulative HI for all COCs and all routes of exposure is 0.19, which is below the regulatory acceptable level of 1.0. Since the cumulative HI is less than 1, the HQ for each COC and each route of exposure, and hence each target organ would be less than 1.0 – the regulatory acceptable level.

10.9.2 Construction Worker

Carcinogenic Risk:

As indicated in Table 10-8(b), the cumulative IELCR is 1.29×10^{-11} that is well below the regulatory acceptable level of 1×10^{-4}. Since the cumulative risk is less than 1×10^{-5}, clearly the risk for each COC and routes of exposure is less than 1×10^{-5} – the regulatory acceptable level.

Non-carcinogenic Risk:

As shown in Table 10-8(b), the cumulative HI is 0.008, which is below the regulatory acceptable level of 1.0. Since the cumulative HI is less than 1, the HQ for each COC and each route of exposure, and hence each target organ would be less than 1.0 – the regulatory acceptable level.

10.10 ECOLOGICAL RISK

The only potential ecological receptor in the area is Coldwater Creek. Area 9 is located above a portion of Coldwater Creek that flows through an enclosed culvert, and about 100 feet south of the portion of Coldwater Creek that enters an open culvert and continues to flow north. There are no known unpermitted conduits present that could carry impacts from Area 9 to Coldwater Creek. Considering the geology and the chemical types and concentrations of impacts in Area 9, it is not likely that migration of impacts from Area 9 to Coldwater Creek will occur. The Tier 1 ecological screening checklists have been completed for this Area, and are presented as Attachment 10-A and Attachment 10-B. These checklists identified no potential ecological receptors or issues.

10.11 CONCLUSIONS

The calculated risks for all the COCs and all potentially complete routes of exposure for the construction worker and the non-residential worker are below the acceptable target risks.

Table 10-1
Soil Boring Information for Area 9: Gun Range
Boeing Tract 1, St. Louis, Missouri

Boring	Date Drilled
B10N1	7/24/2003
B10W1	7/24/2003
B11N1	7/24/2003
B13E1	11/21/2002
B13E2	11/21/2002
B13E3	11/21/2002

Table 10-2
Soil Samples Used in Average Concentration Calculations in Area 9: Gun Range
Boeing Tract 1, St. Louis, Missouri

	Volatile Organic Compounds		Total Petroleum Hydrocarbons		Polynuclear Aromatic Hydrocarbons		Polychlorinated Biphenyls		Metals	
	Non-Residential Worker	Construction Worker	Non-Residential Worker	Construction Worker	Non-Residential Worker	Construction Worker	Non-Residential Worker	Construction Worker	Non-Residential Worker	Construction Worker
9	B10N1-12	B10N1-12		B10N1-20		B11N1-13			B10N1-12	B10N1-12
		B11N1-13							B10W1-8	B10N1-20
									B13E1-6	B10W1-8
									B13E2-6	B11N1-13
									B13E3-6	B13E1-6
										B13E2-6
										B13E3-6

Note:
- analysis type not performed

Table 10-3(a)
Soil Constituents Average Concentrations for VOCs in
Area 9: Gun Range
Boeing Tract 1, St. Louis, Missouri

Sample ID	VOCs (ug/kg)			
	ACETONE	METHYLENE CHLORIDE	NAPHTHALENE	TOLUENE
Non- Residential Worker				
B10N1-12	20	2.9	2.6	2.5
Average Concentration - Only Samples With VOC Detections	**20**	**2.9**	**2.6**	
Construction Worker				
B10N1-12	20	2.9	2.6	2.5
B10N1-20	8.6	2.8	5	2.5
B10W1-8	10	10	5	2.5
B11N1-13	13	10	217.1	6.3
Average Concentration - Only Samples With VOC Detections	**16.5**	**6.45**	**109.85**	**4.4**

Notes:
ug/kg - micrograms per kilogram
Groundwater table is at a depth of 12 feet below ground surface (bgs) for area.
Non Residential Worker - above groundwater table in the area
Construction Worker - above a depth of 20 feet bgs
VOCs - Volatile Organic Compounds
NA - Not Analyzed
No VOCs except acetone and/or methylene chloride detected in the sample

Table 10-3(b)
Soil Constituents Average Concentrations for TPHs in Area 9: Gun Range, Construction Worker
Boeing Tract 1, St. Louis, Missouri

Constituent Fractions	B10N1-20	Overall Area Average (ug/kg)
TPH - DRO		TPH - DRO
7/24/2003	**2,520**	
AVERAGE TPH - DRO	2520	2,520
TPH - GRO		TPH - GRO
7/24/2003	500	
AVERAGE TPH - GRO	500	500
TPH - ORO		TPH - ORO
7/24/2003	3148	
AVERAGE TPH - ORO	3148	3,148

Notes:
Groundwater table is at a depth of 12 feet below ground surface (bgs) for area.
Non Residential Worker - above groundwater table in the area
Construction Worker - above a depth of 20 feet bgs
ug/kg - micrograms per kilogram
TPH - Total petroleum hydrocarbon
DRO - Diesel range organic
GRO - Gasoline range organic
ORO - Oil range organic
Bold indicates a detection
NA - Not analyzed

Table 10-3(c)
Soil Constituents Average Concentrations for Metals in Area 9: Gun Range, Non-Residential Worker
Boeing Tract 1, St. Louis, Missouri

Sample ID	Metals (ug/kg)												
	ARSENIC	BARIUM	BERYLLIUM	CADMIUM	CHROMIUM	COPPER	LEAD	MANGANESE	MERCURY	NICKEL	SELENIUM	SILVER	ZINC
B10N1-12	5,940	231,000	611	1,210	12,800	17,700	9,260	1,178,000	50	20,100	2,350	456	63,700
B10W1-8	NA	NA	NA	NA	NA	NA	8,400	NA	NA	NA	NA	NA	NA
B13E1-6	2,400	120,000	NA	480	10,000	NA	9,800	NA	22	NA	250	260	NA
B13E2-6	250	92,000	NA	125	9,300	NA	5,000	NA	24	NA	250	125	NA
B13E3-6	3,450	130,000	NA	238	9,950	NA	11,450	NA	28	NA	2,600	125	NA
Average Concentration - Only Samples With Metals Detections	**3,010**	**143,250**	**611**	**513.1**	**10,513**	**17,700**	**8,782**	**1,178,000**	**31**	**20,100**	**1,363**	**242**	**63,700**

Notes:
ug/kg - micrograms per kilogram
Groundwater table is at a depth of 12 feet below ground surface (bgs) for area.
Non Residential Worker - above groundwater table in the area
Construction Worker - above a depth of 20 feet bgs
NA - Not Analyzed

Table 10-3(c)
Soil Constituents Average Concentrations for Metals in Sub-area 9A: Gun Range, Construction Worker
Boeing Tract 1, St. Louis, Missouri

Sample ID	Metals (ug/kg)												
	ARSENIC	BARIUM	BERYLLIUM	CADMIUM	CHROMIUM	COPPER	LEAD	MANGANESE	MERCURY	NICKEL	SELENIUM	SILVER	ZINC
B10N1-12	5,940	231,000	611	1,210	12,800	17,700	9,260	1,178,000	50	20,100	2,350	456	63,700
B10N1-20	3,490	47,500	426	200	7,850	8,640	6,470	45,100	50	5,820	6,610	200	21,400
B10W1-8	NA	NA	NA	NA	NA	NA	8,400	NA	NA	NA	NA	NA	NA
B11N1-13	NA	NA	NA	NA	NA	NA	8,560	NA	NA	NA	NA	NA	NA
B13E1-6	2,400	120,000	NA	480	10,000	NA	9,800	NA	22	NA	250	260	NA
B13E2-6	250	92,000	NA	125	9,300	NA	5,000	NA	24	NA	250	125	NA
B13E3-6	3,450	130,000	NA	238	9,950	NA	11,450	NA	28	NA	2,600	125	NA
Average Concentration - Only Samples With Metals Detections	**3,106**	**124,100**	**519**	**450.5**	**9,980**	**13,170**	**8,420**	**611,550**	**35**	**12,960**	**2,412**	**233**	**42,550**

Notes:
ug/kg - micrograms per kilogram
Groundwater table is at a depth of 12 feet below ground surface (bgs) for area.
Non Residential Worker - above groundwater table in the area
Construction Worker - above a depth of 20 feet bgs
NA - Not Analyzed

Table 10-4
Groundwater Samples Used in Average Concentration Calculations in Area 9: Gun Range
Boeing Tract 1, St. Louis, Missouri

	Volatile Organic Compounds	Total Petroleum Hydrocarbons	Polynuclear Aromatic Hydrocarbons	Polychlorinated Biphenyls	Metals
9		B10N1W	B11N1W		B10N1W
		B10W1W			B10W1W
		B11N1W			B11N1W
					B13E1W
					B13E2W
					B13E3W

Note:
- analysis type not performed

Table 10-5(a)
Groundwater Constituents Average Concentrations for TPHs in Area 9: Gun Range
Boeing Tract 1, St. Louis, Missouri

Constituent Fraction by Sample Event	B10N1W	B10W1W	B11N1W	Overall Area Average (ug/l)
TPH-DRO				TPH-DRO
7/24/2003	NA	**253**	**60**	
7/28/2003	50	NA	NA	
AVERAGE	50	253	60	121
TPH-GRO				TPH-GRO
7/24/2003	NA	500	500	
7/25/2003	500	NA	NA	
AVERAGE	500	500	500	500
TPH-ORO				TPH-ORO
7/24/2003	NA	75	**229**	
7/28/2003	**629**	NA	NA	
AVERAGE	629	75	229	311

Notes:
ug/l - micrograms per liter
TPH - Total petroleum hydrocarbon
DRO - Diesel range organic
GRO - Gasoline range organic
ORO - Oil range organic
Bold indicates a detection
NA - Not analyzed

Table 10-5(b)
Groundwater Constituents Average Concentrations for Metals in Area 9: Gun Range
Boeing Tract 1, St. Louis, Missouri

Sample ID	Metals (ug/l)									
	ARSENIC	BARIUM	BERYLLIUM	CHROMIUM	COPPER	LEAD	MANGANESE	NICKEL	SILVER	ZINC
B10N1W	15	**371**	**2**	**13**	**44**	22	**1750**	**33**	**2**	**229**
B10W1W	NA	NA	NA	NA	NA	22	NA	NA	NA	NA
B11N1W	NA	NA	NA	NA	NA	22	NA	NA	NA	NA
B13E1W	**17**	**370**	NA	5	NA	**9.2**	NA	NA	**6.6**	NA
B13E2W	**55**	**520**	NA	5	NA	**23**	NA	NA	2.5	NA
B13E3W	**62**	**520**	NA	5	NA	**21**	NA	NA	2.5	NA
Average Concentration - Only Samples With Metals Detections	**37.25**	**445.25**	**2.00**	**7.00**	**44.00**	**19.87**	**1,750**	**33.00**	**3.40**	**229.00**

Notes:
ug/l - micrograms per liter
NA - Not Analyzed
Bold indicates a detection

Table 10-6(a)
Soil Constituents of Concern Summary for Non-Residential Worker for Area 9: Gun Range
Boeing Tract 1, St. Louis, Missouri

Constituents of Concern	# of Samples	# of Detects	Ratio of Max Detected to Average Concentration	Concentration			
				Max Detected (ug/kg)	Average (ug/kg)	Background (ug/kg)	Max Detected Exceeds Background
Volatile Organic Compounds (VOCs)							
Acetone	2	2	1.00	20	20.00	NA	N/A
Methylene chloride	2	1	1.00	2.9	2.90	NA	N/A
Naphthalene	2	1	1.00	2.6	2.60	NA	N/A
Total Petroleum Hydrocarbons (TPH)							
TPH DRO	2	0	N/A	N/A	N/A	NA	N/A
TPH GRO	2	0	N/A	N/A	N/A	NA	N/A
TPH ORO	2	0	N/A	N/A	N/A	NA	N/A
Total Metals							
Arsenic	5	4	1.97	5,940	3,010	9,200	N
Barium	5	5	1.61	231,000	143,250	725,000	N
Beryllium	1	1	1.00	611	611	800	N
Cadmium	5	3	2.36	1,210	513.1	<1,000	Y
Chromium	5	5	1.22	12,800	10,513	58,000	N
Copper	1	1	1.00	17,700	17,700	13,000	Y
Lead	6	6	1.59	14,000	8,782	21,800	N
Manganese	1	1	1.00	1,178,000	1,178,000	740,000	Y
Mercury	5	4	1.10	34	31	39	N
Nickel	1	1	1.00	20,100	20,100	14,000	Y
Selenium	5	2	2.35	3,200	1,363	260	Y
Silver	5	2	1.89	456	242	<700	N
Zinc	1	1	1.00	63,700	63,700	49,000	Y

Notes:
ug/kg - micrograms per kilogram
DRO - Diesel range organic
GRO - Gasoline range organic
ORO - Oil range organic
NA: Not available
ND - Not detected
N/A - Not applicable
Max Detected - Maximum value of detected concentrations

Table 10-6(b)
Soil Constituents of Concern Summary for Construction Worker for Area 9: Gun Range
Boeing Tract 1, St. Louis, Missouri

Constituents of Concern	# of Samples	# of Detects	Ratio of Max Detected to Average Concentration	Concentration			Max Detected Exceeds Background
				Max Detected (ug/kg)	Average (ug/kg)	Background (ug/kg)	
Volatile Organic Compounds (VOCs)							
Acetone	4	4	1.21	20	16.50	NA	N/A
Methylene chloride	4	2	0.45	2.9	6.45	NA	N/A
Naphthalene	4	1	0.02	2.6	109.85	NA	N/A
Toluene	4	1	1.43	6.3	4.40	NA	N/A
Polynuclear Aromatic Hydrocabons (PAHs)							
None		0	N/A	ND	N/A	N/A	N/A
Total Petroleum Hydrocarbons (TPH)							
TPH DRO	4	1	1.00	2520	2,520	NA	N/A
TPH GRO	4	0	N/A	ND	500	NA	N/A
TPH ORO	4	0	N/A	ND	3,148	NA	N/A
Total Metals							
Arsenic	6	5	1.91	5,940	3,106	9,200	N
Barium	6	6	1.86	231,000	124,100	725,000	N
Beryllium	2	2	1.18	611	519	800	N
Cadmium	6	3	2.69	1,210	450.5	<1,000	Y
Chromium	6	6	1.28	12,800	9,980	58,000	N
Copper	2	2	1.34	17,700	13,170	13,000	Y
Lead	8	8	1.66	14,000	8,420	21,800	N
Manganese	2	2	1.93	1,178,000	611,550	740,000	Y
Mercury	6	4	0.98	34	35	39	N
Nickel	2	2	1.55	20,100	12,960	14,000	Y
Selenium	6	3	2.74	6,610	2,412	260	Y
Silver	6	2	1.96	456	233	<700	N
Zinc	2	2	1.50	63,700	42,550	49,000	Y

Notes:
ug/kg - micrograms per kilogram
DRO - Diesel range organic
GRO - Gasoline range organic
ORO - Oil range organic
NA: Not available
ND - Not detected
N/A - Not applicable
Max Detected - Maximum value of detected concentrations

Table 10-7
Groundwater Constituents of Concern Summary for Area 9: Gun Range
Boeing Tract 1, St. Louis, Missouri

Constituents of Concern	# of Samples	# of Detects	Ratio of Max Detected to Average Concentration	Concentration			
				Max Detected (ug/L)	Average (ug/L)	Maximum Concentration Limit (MCL) or Equivalent (ug/L)	Max Detected Exceeds MCL or Equivalent
Volatile Organic Compounds (VOCs)							
None	6	0	N/A	ND	N/A	N/A	N/A
Polynuclear Aromatic Hydrocabons (PAHs)							
None	1	0	N/A	ND	N/A	N/A	N/A
Total Petroleum Hydrocarbons (TPH)							
TPH DRO	3	2	2.09	253	121	NA	N/A
TPH GRO	3	2	N/A	ND	500	NA	N/A
TPH ORO	3	2	2.02	629	311	NA	N/A
Total Metals							
Arsenic	6	3	1.66	62	37.25	10	Y
Barium	6	4	1.17	520	445.25	2,000	N
Beryllium	2	1	1.00	2	2	4	N
Chromium	6	1	1.86	13	7	100	N
Copper	2	1	1.00	44	44	1,300	N
Lead	10	3	1.16	23	19.87	15	Y
Manganese	1	1	1.00	1,750	1,750	50	Y
Nickel	2	1	1.00	33	33	100	N
Silver	6	1	1.94	6.6	3.40	100	N
Zinc	2	1	1.00	229	229	2,000	N

Notes:
ug/L - micrograms per liter
DRO - Diesel range organic
GRO - Gasoline range organic
ORO - Oil range organic
NA: Not available
ND - Not detected
N/A - Not applicable
Max Detected - Maximum value of detected concentrations

Table 10-8(a)

Calculation of Individual Excess Lifetime Cancer Risk (IELCR) and Hazard Quotient (HQ) for a Current On-site Non-residential Worker

Area 9: Gun Range, Boeing Tract 1, St. Louis, Missouri

COCs	Average Soil Conc. (ug/kg)	Indoor Inhalation of Vapors from Subsurface Soil		Average GW Conc. (ug/L)	Indoor Inhalation of Vapors from Groundwater		Sum of IELCR	Sum of HQ (HI)
		IELCR	HQ		IELCR	HQ		
Acetone	20	NA	2.24E-07	---	---	---	NA	2.24E-07
Methylene chloride	2.9	1.79E-11	3.54E-08	---	---	---	1.79E-11	3.54E-08
Naphthalene	2.6	NA	3.46E-11	---	---	---	NA	3.46E-11
Organics Total Risk		1.79E-11	2.59E-07		NA	NA	1.79E-11	2.59E-07
TPH-GRO	---	---	---	500	NA	3.04E-03	NA	3.04E-03
TPH-DRO	---	---	---	121	NA	2.39E-02	NA	2.39E-02
TPH-ORO	---	---	---	311	NA	1.63E-01	NA	1.63E-01
TPH Total Risk		NA	NA		NA	1.90E-01	NA	1.90E-01
Arsenic	---	---	---	37	NA	NA	NA	NA
Cadmium	513	NA	NA	---	---	---	NA	NA
Copper	17,700	NA	NA	---	---	---	NA	NA
Manganese	1,178,000	NA	NA	1,750	NA	NA	NA	NA
Nickel	20,100	NA	NA	---	---	---	NA	NA
Selenium	1,363	NA	NA	---	---	---	NA	NA
Zinc	63,700	NA	NA	---	---	---	NA	NA
Metals Total Risk		NA	NA		NA	NA	NA	NA
CUMULATIVE RISK		1.79E-11	2.59E-07		NA	1.90E-01	1.79E-11	1.90E-01

Notes:

NA: Not available

---: Risk evaluation was not performed.

HI: Hazard index

ug/kg: Micrograms per kilogram

ug/L: Micrograms per liter

GRO: Gasoline range organic

DRO: Diesel range organic

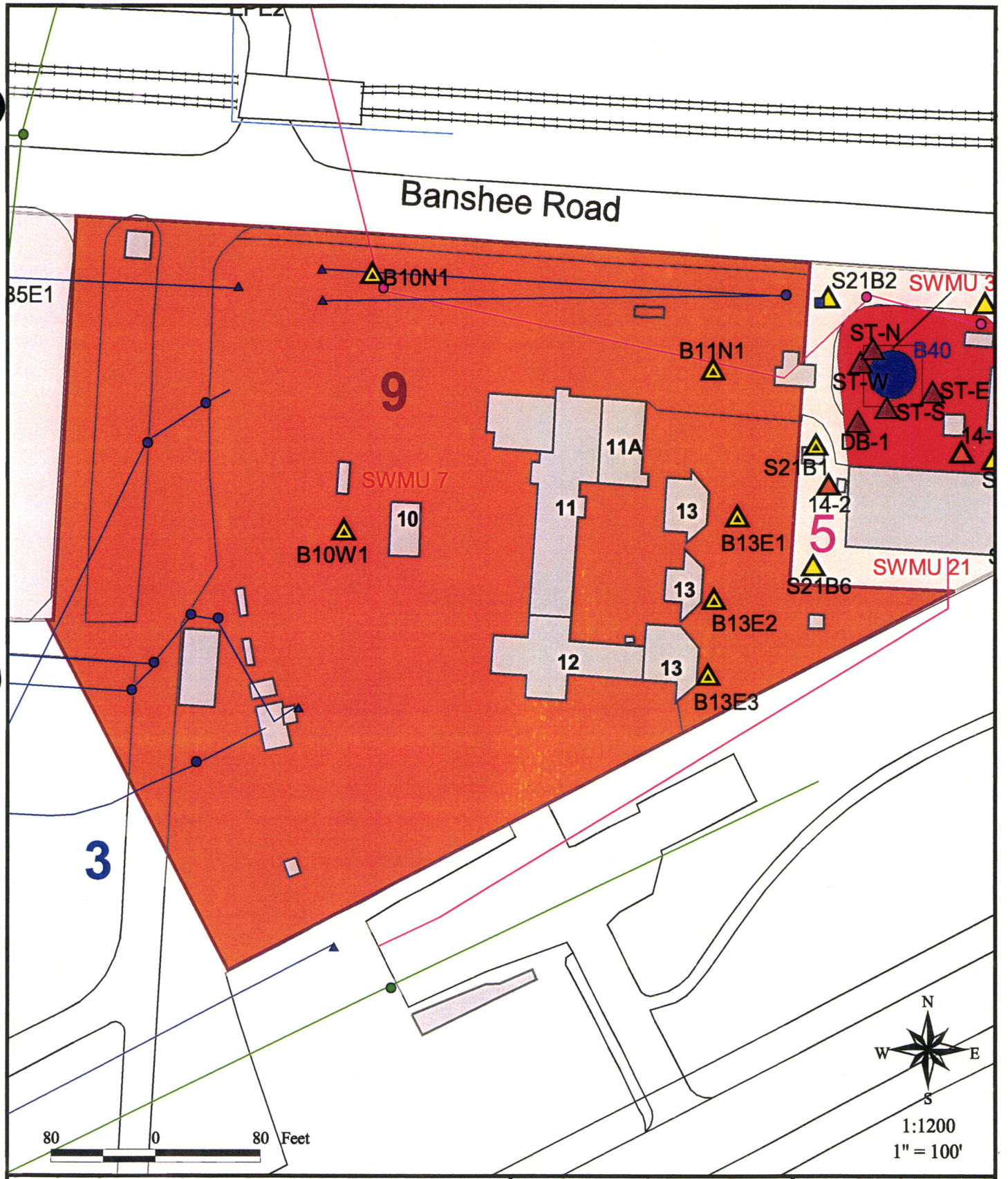
ORO: Oil range organic

TPH: Total petroleum organic

Table 10-8(b)
Calculation of Individual Excess Lifetime Cancer Risk (IELCR) and Hazard Quotient (HQ) for a Future Construction Worker
Area 9: Gun Range, Boeing Tract 1, St. Louis, Missouri

COCs	Average Soil Conc.	Dermal Contact with Soil		Accidental Ingestion of Soil		Outdoor Inhalation of Vapors and Particulates from Soil		Average GW Conc. (ug/L)	Dermal Contact with Groundwater		Outdoor Inhalation of Vapors from Groundwater		Sum of IELCR	Sum of HQ (HI)
	(ug/kg)	IELCR	HQ	IELCR	HQ	IELCR	HQ		IELCR	HQ	IELCR	HQ		
Acetone	17	NA	5.75E-08	NA	6.07E-08	NA	1.43E-07	---	---	---	---	---	NA	2.61E-07
Methylene chloride	6.5	2.41E-13	3.75E-08	2.68E-13	4.17E-08	4.02E-13	1.99E-08	---	---	---	---	---	9.11E-13	9.90E-08
Naphthalene	110	NA	6.38E-07	NA	5.96E-07	NA	1.12E-08	---	---	---	---	---	NA	1.25E-06
Toluene	4.4	NA	7.67E-10	NA	8.52E-09	NA	4.83E-08	---	---	---	---	---	NA	5.76E-08
Organics Total Risk		2.41E-13	7.34E-07	2.68E-13	7.07E-07	4.02E-13	2.22E-07		NA	NA	NA	NA	9.11E-13	1.66E-06
TPH-GRO	500	NA	NA	NA	2.27E-06	NA	2.95E-06	500	NA	NA	NA	2.70E-05	NA	3.22E-05
TPH-DRO	2,520	NA	5.56E-06	NA	1.69E-05	NA	4.84E-06	121	NA	NA	NA	2.11E-04	NA	2.38E-04
TPH-ORO	3,148	NA	8.02E-06	NA	2.06E-05	NA	6.50E-07	311	NA	NA	NA	1.44E-03	NA	1.46E-03
TPH Total Risk		NA	1.36E-05	NA	3.98E-05	NA	8.43E-06		NA	NA	NA	1.67E-03	NA	1.73E-03
Arsenic	---	---	---	---	---	---	---	37	NA	NA	NA	NA	NA	NA
Cadmium	451	NA	1.05E-05	NA	3.49E-04	2.48E-12	5.52E-08	---	---	---	---	---	2.48E-12	3.60E-04
Copper	13,170	NA	3.83E-06	NA	1.28E-04	NA	2.82E-06	---	---	---	---	---	NA	1.34E-04
Manganese	611,550	NA	1.52E-03	NA	1.69E-03	NA	2.68E-03	1,750	NA	NA	NA	NA	NA	5.89E-03
Nickel	12,960	NA	3.77E-07	NA	2.51E-05	9.53E-12	1.39E-05	---	---	---	---	---	9.53E-12	3.94E-05
Selenium	2,412	NA	5.61E-05	NA	1.87E-04	NA	5.17E-05	---	---	---	---	---	NA	2.95E-04
Zinc	42,550	NA	1.65E-06	NA	1.37E-05	NA	8.69E-09	---	---	---	---	---	NA	1.54E-05
Metals Total Risk		NA	1.60E-03	NA	2.40E-03	1.20E-11	2.74E-03		NA	NA	NA	NA	1.20E-11	6.73E-03
CUMULATIVE RISK		2.41E-13	1.61E-03	2.68E-13	2.44E-03	1.24E-11	2.75E-03		NA	NA	NA	1.67E-03	1.29E-11	8.47E-03

Notes:
NA: Not available
---: Risk evaluation was not performed.
HI: Hazard index
ug/kg: Micrograms per kilogram
ug/L: Micrograms per liter
GRO: Gasoline range organic
DRO: Diesel range organic
ORO: Oil range organic
TPH: Total petroleum organic



Legend

- RFI Shallow Boring
- RFI Shallow Boring/Temp. Piezometer
- RFA Boring
- RCRA Closure Shallow Boring
- Industrial Sewer Line
- Storm Sewer Line
- Sanitary Waste Line
- Manhole (Type by Color)
- UST
- SWMU

Drawn by: KLC Approved by:

Checked by: Date: December 19, 2003

Risk Assessment & Management Group, Inc.

Figure 10-1
Exposure Area 9:
Gun Range,
Boeing Tract 1 South

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ATTACHMENT 10-A

ECOLOGICAL RISK ASSESSMENT – AREA 9 GUN RANGE
TIER 1 SCREENING CHECKLIST FOR POTENTIAL RECEPTORS AND HABITAT
CHECKLIST #1

1. Is the site less than ½ mile to a surface water resource (pond, river, lake, etc.)?

   Yes, Area 9 is located above the portion of Coldwater Creek that flows through an enclosed culvert, and about 100 feet south of the portion of Coldwater Creek that enters an open culvert and continues to flow north.

2. Are wetlands (e.g. marshes, swamps, fens) on or adjacent to the site?

   No.

3. Are contaminated soils uncovered or otherwise accessible to ecological receptors and the elements?

   No, the site is partially paved and covered with buildings; and soil impacts are present at depths of 6 to 20 feet bgs.

4. Has a process (operational) discharge or storm water permit not been issued for the site?

   Site-wide, there is a storm water permit.

5. Is the site located in a known Karst environment (see Reference map)?

   No.

6. Are there federal or state rare, threatened, or endangered species on or within a ½ mile radius of the site? Note, the ½ mile radius limit does not necessarily apply to situations where a hydrogeological connection exists between the site and karsitic features.

   No.

7. Are there one or more environmentally sensitive areas (see Ecological Risk Assessment Figure #1 for definition) at or within a ½ mile radius of the site?

   No.

8. Are commercially or recreationally important species (fauna or flora) on or within a ½ mile radius of the site?

   No.

ATTACHMENT 10-B

ECOLOGICAL RISK ASSESSMENT – AREA 9 GUN RANGE
TIER 1 SCREENING CHECKLIST FOR POTENTIAL RECEPTORS AND HABITAT
CHECKLIST #2

1a. Can contaminants associated with the site leach, dissolve, or otherwise migrate to groundwater?

Yes, groundwater has been impacted.

1b. Are contaminants associated with the site mobile in groundwater?

Yes.

1c. Does groundwater from the site discharge into to ecological receptor habitat?

Yes, Coldwater Creek is located below the site in an enclosed culvert, and flows north into an open culvert about 100 feet north of Area 9.

1. Could contaminants associated with the site reach ecological receptors via groundwater?

No, groundwater impact is minimal, and located primarily about 75 feet from the portion of the creek that flows within an enclosed culvert, therefore impact is unlikely.

2a. Is NAPL present at the site?

No.

2b. Is NAPL migrating?

No.

2c. Could NAPL discharge occur where ecological receptors are found?

No.

2. Could contaminants from the site reach ecological receptors via migration of NAPL?

No.

3a. Are contaminants present in surface soils?

No.

3b. Can contaminants be leached from or be transported by erosion of surface soils?

No.

3. Could contaminants reach ecological receptors via erosional transport of contaminated soil or via precipitation runoff?

No.

4a. Are contaminants present in surface soil or on the surface of the ground?

No.

4b. Are potential ecological receptors on the site?

No.

4. Could contaminants reach ecological receptors via direct contact?

No.

5a. Are contaminants present on the site volatile?

Yes.

5b. Could contaminants on the site be transported in air as dust or particulate matter?

No, the site is partially paved, and the impact is not in the surficial soil.

5. Could contaminants reach ecological receptors via inhalation of volatilized contaminants or contaminants adhered to dust in ambient air or in subsurface burrows?

No, the site is partially paved, and the impact is not in the surficial soil.

6a. Are contaminants present in surface and shallow subsurface soils or on the surface of the ground?

Constituents at low levels have been detected in soils from depths of 6 to 20 feet bgs.

6b. Are contaminants found in soil on the site taken up by plants growing on the site?

No, the site is mostly paved and covered with buildings.

6c. Do potential ecological receptors on or near the site feed on plants found on the site?

No, the site is mostly paved and covered with buildings.

6d. Do contaminants found on the site bioaccumulate?

Yes, some metals.

6. Could contaminants reach ecological receptors via ingestion of either soil, plants, animals, or contaminants directly?

No.

7a. Are there Karsitic features on or within a ½ mile radius of the site?

No.

7b. Is there a hydrogeological connection between the site and karsitic features such as seeps, springs, streams, or other surface water bodies?

No.

7. Could contaminants reach ecological receptors via transport through a Karst system?

No.

The Boeing Tract 1 Facility located in Hazelwood, St. Louis County, Missouri covers a total area of 228 acres. The Facility includes several buildings used to service and manufacture aircraft. The Facility included several USTs, ASTs, and other waste handling areas. Thirty-two SWMUs have been identified.

The risk assessment was performed for the following areas:

- Area 1 Runway Protection Zone
- Area 2 Demolished Area
  - Sub-area 2A
  - Sub-area 2B
  - Sub-area 2C
- Area 3 Retained Area
  - Sub-area 3A
  - Sub-area 3B
  - Sub-area 3C
  - Sub-area 3D
  - Sub-area 3E
  - Sub-area 3F
  - Sub-area 3G
  - Sub-area 3H
- Area 4 Power Plant
- Area 5 Industrial Water Treatment Plant
- Area 6 GKN Facility
  - Sub-area 6A
  - Sub-area 6B
  - Sub-area 6C
  - Sub-area 6D
- Area 7 Engineering Campus
- Area 8 Office Complex North
  - Sub-area 8A
  - Sub-area 8B
  - Sub-area 8C
- Area 9 Gun Range

The critical receptors, pathways, and complete routes of exposure are those shown below; however, not all Areas had these receptors:

Receptor	Pathways/Complete Routes of Exposure
Non-residential worker	Indoor inhalation of vapors from subsurface soil, and Indoor inhalation of vapors from groundwater.
Construction worker	Ingestion of soil, Dermal contact with soil, Outdoor inhalation of vapors and particulates from soil, Dermal contact with groundwater, and Outdoor inhalation of vapors from groundwater.

The COCs included VOCs, SVOCs including PAHs, PCBs, TPH, and metals. Using representative concentrations for each COC and average Area/Sub-area-specific data, risk was calculated using the models recommended in MDNR draft RBCA process document. This would be the equivalent of a Tier 2 evaluation. The cumulative risk for each receptor in each Area is summarized below:

Area	Non-residential Worker		Construction Worker	
	IELCR	HI	IELCR	HI
Area 1 (Max.)	N/A	N/A	6.34E-07	0.50
Sub-area 2A	5.97E-08	**22**	3.52E-07	0.31
Sub-area 2B	7.57E-06	**96**	1.89E-05	**3.1**
Sub-area 2C	2.02E-08	0.95	3.92E-08	0.047
Sub-area 3A	7.90E-08	**2.6**	4.52E-08	0.055
Sub-area 3B	3.35E-09	0.31	4.66E-10	0.0071
Sub-area 3C	2.00E-08	**77**	2.34E-08	**1.3**
Sub-area 3D	2.93E-08	0.075	1.17E-07	0.048
Sub-area 3E	4.31E-08	**10**	8.02E-10	0.12
Sub-area 3F	NA	0.86	NA	0.0082
Sub-area 3G	6.02E-08	**2.8**	9.38E-08	0.12
Sub-area 3H	NA	0.70	6.35E-13	0.0058
Area 4	2.17E-10	0.47	2.60E-06	0.014
Area 5	NA	0.00053	6.37E-08	0.013
Sub-area 6A	1.12E-10	0.054	5.33E-08	0.0089
Sub-area 6B	1.44E-06	**7.9**	2.44E-05	0.17
Sub-area 6C	7.03E-08	**4.1**	8.36E-08	0.060
Sub-area 6D	2.99E-10	0.00014	8.25E-08	0.013
Area 7	N/A	N/A	N/A	N/A

Area	Non-residential Worker		Construction Worker	
	IELCR	HI	IELCR	HI
Sub-area 8A	2.37E-08	0.00031	1.02E-07	0.020
Sub-area 8B	NA	**55**	3.74E-10	0.49
Sub-area 8C	NA	0.064	1.25E-12	0.0052
Area 9	1.79E-11	0.19	1.29E-11	0.008

Notes:
Number in bold exceeds the cumulative acceptable target levels.
IELCR: Individual excess lifetime cancer risk
HI: Hazard index
NA: Not available
N/A: Not applicable

Based on the above evaluation, the cumulative risk for the following areas exceeded the regulatory acceptable level of 1 x 10^{-4} for carcinogens and hazard index (HI) of 1 for non-carcinogens:

- Sub-area 2A,
- Sub-area 2B,
- Sub-area 3A
- Sub-area 3C,
- Sub-area 3E,
- Sub-area 3G
- Sub-area 6B,
- Sub-area 6C, and
- Sub-area 8B.

For Areas/Sub-areas where the cumulative risk or risk for each COC and all exposure pathways exceeded the target risk, the primary constituents and routes of exposure that caused the exceedence are identified below:

Area	COC	Exceedence Due to
Sub-area 2A	TPH-GRO	Indoor inhalation from groundwater by non-residential worker
	TPH-DRO	Indoor inhalation from groundwater by non-residential worker
Sub-area 2B	Aliphatics >nC12 to nC16	Indoor inhalation from groundwater by non-residential worker
	Aliphatics >nC16 to nC21	Indoor inhalation from groundwater by non-residential worker
	Aliphatics >nC21 to nC35	Indoor inhalation from groundwater by non-residential worker
	Tetrachloroethene	Dermal contact with groundwater by future construction worker

Area	COC	Exceedence Due to
Sub-area 3A	TPH-DRO	Indoor inhalation from groundwater by non-residential worker
Sub-area 3C	TPH-DRO	Indoor inhalation from groundwater by non-residential worker
	TPH-ORO	Indoor inhalation from groundwater by non-residential worker
	Total TPH	Outdoor inhalation of vapors from groundwater by construction worker
Sub-area 3E	Aliphatics >nC16 to nC21	Indoor inhalation from groundwater by non-residential worker
Sub-area 3G	Aliphatics >nC21 to nC35	Indoor inhalation from groundwater by non-residential worker
Sub-area 6B	Aliphatics >nC16 to nC21	Indoor inhalation from groundwater by non-residential worker
	Benzo(a)anthracene	Dermal contact with groundwater by construction worker
Sub-area 6C	Aliphatics >nC16 to nC21	Indoor inhalation from groundwater by non-residential worker
	Aliphatics >nC21 to nC35	Indoor inhalation from groundwater by non-residential worker
Sub-area 8B	Aliphatics >nC16 to nC21	Indoor inhalation from groundwater by non-residential worker
	Aliphatics >nC21 to nC35	Indoor inhalation from groundwater by non-residential worker

The risk evaluation was based on a non-residential current and future land use and non-domestic use of groundwater.

The risk evaluation also identified the absence of ecological risks at the site and that the groundwater was not a source of domestic water.

Sub-areas that exceed acceptable levels will be considered in the corrective measure study (CMS).

Area	COC	Exceedence Due to
Sub-area 3A	TPH-DRO	Indoor inhalation from groundwater by non-residential worker
Sub-area 3C	TPH-DRO	Indoor inhalation from groundwater by non-residential worker
	TPH-ORO	Indoor inhalation from groundwater by non-residential worker
	Total TPH	Outdoor inhalation of vapors from groundwater by construction worker
Sub-area 3E	Aliphatics >nC16 to nC21	Indoor inhalation from groundwater by non-residential worker
Sub-area 3G	Aliphatics >nC21 to nC35	Indoor inhalation from groundwater by non-residential worker
Sub-area 6B	Aliphatics >nC16 to nC21	Indoor inhalation from groundwater by non-residential worker
	Benzo(a)anthracene	Dermal contact with groundwater by construction worker
Sub-area 6C	Aliphatics >nC16 to nC21	Indoor inhalation from groundwater by non-residential worker
	Aliphatics >nC21 to nC35	Indoor inhalation from groundwater by non-residential worker
Sub-area 8B	Aliphatics >nC16 to nC21	Indoor inhalation from groundwater by non-residential worker
	Aliphatics >nC21 to nC35	Indoor inhalation from groundwater by non-residential worker

Based on the Missouri draft RBCA process document, these exceedences can be addressed by either active remediation which will require the development of target levels or by further evaluation using a Tier 3 site-specific approach. Further, an activity and use limitation that ensures future non-residential use of the facility and no groundwater use for domestic purposes, will be required.

The risk evaluation also identified the absence of ecological risks at the site and that the groundwater was not a source of domestic water.

Only Sub-areas that exceed acceptable levels will be considered in the corrective measure study (CMS)..

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APPENDIX A

EQUATIONS USED IN DEVELOPMENT OF RECEPTOR POINT CONCENTRATIONS AND TARGET RISK LEVELS

BOEING TRACT 1, ST. LOUIS, MISSOURI

INDOOR INHALATION OF VAPORS
(CHILD AND ADULT RESIDENT; AND NON-RESIDENTIAL WORKER)

Carcinogenic effects

$$RBTL_{ai} = \frac{TR \times BW \times AT_c \times 365}{IR_{ai} \times ET_{in} \times ED \times EF \times SF_i}$$

Non-carcinogenic effects

$$RBTL_{ai} = \frac{THQ \times BW \times AT_{nc} \times 365 \times RfD_i}{IR_{ai} \times ET_{in} \times ED \times EF}$$

Source: RAGS, Vol. I, Part A, 1991, p. 6-44

where:

$RBTL_{ai}$	=	Risk-based target level in indoor air [mg/m^3]
TR	=	Target risk or the increased chance of developing cancer over a lifetime due to exposure to a chemical [-]
THQ	=	Target hazard quotient for individual constituents [-]
BW	=	Body weight [kg]
AT_c	=	Averaging time for carcinogens[year]
AT_{nc}	=	Averaging time for non-carcinogens[year]
IR_{ai}	=	Indoor inhalation rate [m^3/hr]
ET_{in}	=	Indoor Exposure time [hr/day]
ED	=	Exposure duration [year]
EF	=	Exposure frequency [day/year]
RfD_i	=	Chemical-specific inhalation reference dose [mg/kg-day]
SF_i	=	Chemical-specific inhalation cancer slope or potency factor [(mg/kg-day)$^{-1}$]
365	=	Converts AT_c, AT_{nc} in years to days [day/year]

INHALATION OF VAPORS AND PARTICULATES OF CHEMICALS IN SURFICIAL SOIL (CHILD AND ADULT RESIDENT; NON-RESIDENTIAL WORKER; AND CONSTRUCTION WORKER)

Carcinogenic effects

$$RBTL_{inhss} = \frac{TR \times BW \times AT_c \times 365}{EF \times ED \times SF_i \times IR_{ao} \times ET_{out} \times (VF_{ss} + VF_p)}$$

Non-carcinogenic effects

$$RBTL_{inhss} = \frac{THQ \times BW \times AT_{nc} \times 365 \times RfD_i}{EF \times ED \times ET_{out} \times IR_{ao} \times (VF_{ss} + VF_p)}$$

where:

$RBTL_{inhss}$	=	Risk-based target level of inhalation of chemicals in surficial soil [mg/kg]
TR	=	Target risk or the increased chance of developing cancer over a lifetime due to exposure to a chemical [-]
THQ	=	Target hazard quotient for individual constituents [-]
BW	=	Body weight [kg]
AT_c	=	Averaging time for carcinogens [year]
AT_{nc}	=	Averaging time for non-carcinogens [year]
ED	=	Exposure duration [year]
EF	=	Exposure frequency [day/year]
IR_{ao}	=	Outdoor inhalation rate [m^3/hr]
ET_{out}	=	Outdoor Exposure time [hr/day]
SF_i	=	Inhalation cancer slope factor [$(mg/kg\text{-}day)^{-1}$]
RfD_i	=	The chemical-specific inhalation reference dose [mg/kg-day]
VF_p	=	Volatilization factor for particulate emissions from surficial soil [(mg/m^3-air)/(mg/kg-soil)]
VF_{ss}	=	Volatilization factor for vapor emissions from surficial soil [(mg/m^3-air)/(mg/kg-soil)]
365	=	Converts AT_c, AT_{nc} in years to days [day/year]

Note: The depth to surficial soil for a construction worker is upto the typical construction depth.

INGESTION OF GROUNDWATER (CHILD AND ADULT RESIDENT)
(ONLY FOR CHEMICALS WITHOUT MO WATER QUALITY STANDARDS)

Carcinogenic effects

$$RBTL_w = \frac{TR \times BW \times AT_c \times 365}{ED \times EF \times SF_o \times IR_w}$$

Non-carcinogenic effects

$$RBTL_w = \frac{THQ \times BW \times AT_{nc} \times 365 \times RfD_o}{ED \times EF \times IR_w}$$

Source: RAGS, Vol. I, Part B, 1991, p. 21

where:

$RBTL_w$	=	Risk-based target level for ingestion of groundwater [mg/L-H_2O]
TR	=	Target risk or the increased chance of developing cancer over a lifetime due to exposure to a chemical [-]
THQ	=	Target hazard quotient for individual constituents [-]
BW	=	Body weight [kg]
AT_c	=	Averaging time for carcinogens[year]
AT_{nc}	=	Averaging time for non-carcinogens[year]
IR_w	=	Water ingestion rate [L/day]
IR_a	=	Indoor inhalation rate [m^3/hr]
ED	=	Exposure duration [year]
EF	=	Exposure frequency [day/year]
ET	=	Exposure time [hr/day]
RfD_o	=	Chemical-specific oral reference dose [mg/kg-day]
SF_o	=	Chemical-specific oral cancer slope or potency factor [mg/(kg-day)]$^{-1}$
SF_i	=	Chemical-specific inhalation cancer slope or potency factor [(mg/kg-day)$^{-1}$]
365	=	Converts AT_c, AT_{nc} in years to days [day/year]

DERMAL CONTACT WITH CHEMICALS IN WATER (CHILD AND ADULT RESIDENT)

Carcinogenic effects

$$RBTL_w = \frac{TR \times BW \times AT_c \times 365 \times 1000}{SF_o \times SA \times PC \times ET \times EF \times ED}$$

Non-carcinogenic effects

$$RBTL_w = \frac{THQ \times BW \times AT_{nc} \times 365 \times 1000 \times RfD_o}{SA \times PC \times ET \times EF \times ED}$$

Source: RAGS, Vol. I, Part A, 1991, p. 6-37

where:

$RBTL_w$	=	Risk-based target level for ingestion of groundwater [mg/L-H_2O]
TR	=	Target risk or the increased chance of developing cancer over a lifetime due to exposure to a chemical [-]
THQ	=	Target hazard quotient for individual constituents [-]
BW	=	Body weight [kg]
AT_c	=	Averaging time for carcinogens[year]
AT_{nc}	=	Averaging time for non-carcinogens[year]
SA	=	Skin surface area available for contact [cm^2]
PC	=	Chemical-specific dermal permeability constant [cm/hr]
ET	=	Exposure time [hour/day]
ED	=	Exposure duration [year]
EF	=	Exposure frequency [day/year]
RfD_o	=	Chemical-specific oral reference dose [mg/kg-day]
SF_o	=	Chemical-specific oral cancer slope or potency factor [$mg/(kg\text{-}day)]^{-1}$
365	=	Converts AT_c, AT_{nc} in years to days [day/year]
1000	=	Conversion factor from cm^3 to L [cm^3/L]

Note: Dermal slope factor and dermal reference dose are generally not available, instead as an approximation oral slope factor and oral reference dose are used to estimate risk from dermal exposure.

DERMAL CONTACT OF CHEMICALS IN SURFICIAL SOIL (CHILD AND ADULT RESIDENT; NON-RESIDENTIAL WORKER; AND CONSTRUCTION WORKER)

Carcinogenic effects

$$RBTL_{dss} = \frac{TR \times BW \times AT_c \times 365}{EF \times ED \times SF_o \times 10^{-6} \times SA \times M \times RAF_d}$$

Non-carcinogenic effects

$$RBTL_{dss} = \frac{THQ \times BW \times AT_{nc} \times 365 \times RfD_o}{EF \times ED \times 10^{-6} \times SA \times M \times RAF_d}$$

where:

$RBTL_{dss}$	=	Risk-based target level for dermal contact of chemicals in surficial soil [mg/kg]
TR	=	Target risk or the increased chance of developing cancer over a lifetime due to exposure to a chemical [-]
THQ	=	Target hazard quotient for individual constituents [-]
BW	=	Body weight [kg]
AT_c	=	Averaging time for carcinogens [year]
AT_{nc}	=	Averaging time for non-carcinogens [year]
ED	=	Exposure duration [year]
EF	=	Exposure frequency [day/year]
SA	=	Skin surface area [cm^2/day]
M	=	Soil to skin adherence factor [mg/cm^2]
RAF_d	=	Chemical-specific dermal relative absorption factor [-]
SF_o	=	Oral cancer slope factor [$(mg/kg\text{-}day)^{-1}$]
RfD_o	=	Chemical-specific oral reference dose [mg/kg-day]
365	=	Converts AT_c, AT_{nc} in years to days [day/year]

Note: Dermal slope factor and dermal reference dose are generally not available, instead as an approximation oral slope factor and oral reference dose are used to estimate risk from dermal exposure.

INGESTION OF CHEMICALS IN SURFICIAL SOIL
(CHILD AND ADULT RESIDENT; NON-RESIDENTIAL WORKER; AND CONSTRUCTION WORKER)

Carcinogenic effects

$$RBTL_{ingss} = \frac{TR \times BW \times AT_c \times 365}{EF \times ED \times SF_o \times 10^{-6} \times IR_{soil} \times RAF_o}$$

Non-carcinogenic effects

$$RBTL_{ingss} = \frac{THQ \times BW \times AT_{nc} \times 365 \times RfD_o}{EF \times ED \times 10^{-6} \times IR_{soil} \times RAF_o}$$

where:

$RBTL_{ingss}$	=	Risk-based target level for ingestion of chemicals in surficial soil [mg/kg]
TR	=	Target risk or the increased chance of developing cancer over a lifetime due to exposure to a chemical [-]
THQ	=	Target hazard quotient for individual constituents [-]
BW	=	Body weight [kg]
AT_c	=	Averaging time for carcinogens [year]
AT_{nc}	=	Averaging time for non-carcinogens [year]
ED	=	Exposure duration [year]
EF	=	Exposure frequency [day/year]
IR_{soil}	=	Soil ingestion rate [mg/day]
RAF_o	=	Oral relative absorption factor [-]
SF_o	=	Oral cancer slope factor [(mg/kg-day)$^{-1}$]
365	=	Converts AT_c, AT_{nc} in years to days [day/year]

SUBSURFACE SOIL CONCENTRATIONS PROTECTIVE OF INDOOR VAPOR INHALATION

$$RBTL_{si} = \frac{RBTL_{ai}}{VF_{sesp}}$$

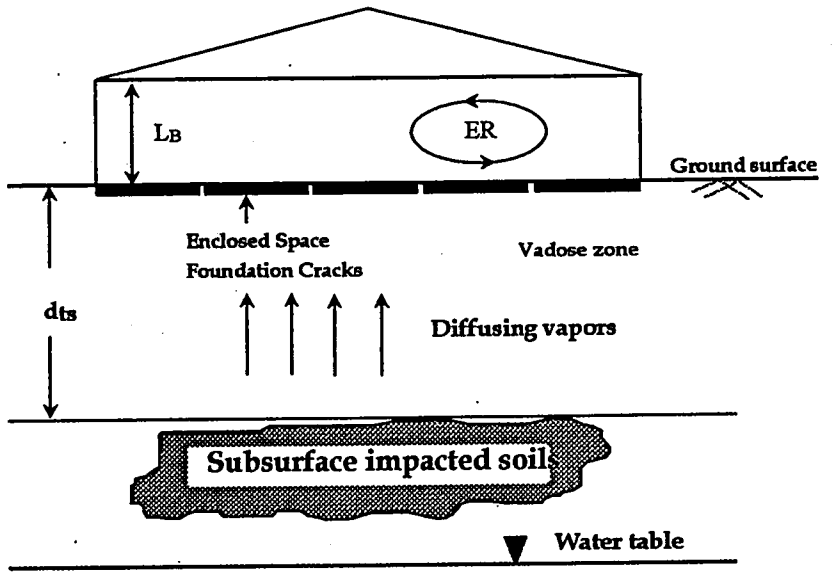
where:

$RBTL_{si}$ = Risk-based target level for indoor inhalation of vapors from subsurface soils [mg/kg-soil]

$RBTL_{ai}$ = Risk-based target level for indoor inhalation of air [mg/m^3-air]

VF_{sesp} = Volatilization factor from subsurface soil to indoor (enclosed space) air [(mg/m^3-air)/(mg/kg-soil)]

Source: ASTM E1739-95



GROUNDWATER CONCENTRATIONS PROTECTIVE OF INDOOR VAPOR INHALATION

$$RBTL_{wi} = \frac{RBTL_{ai}}{VF_{wesp}}$$

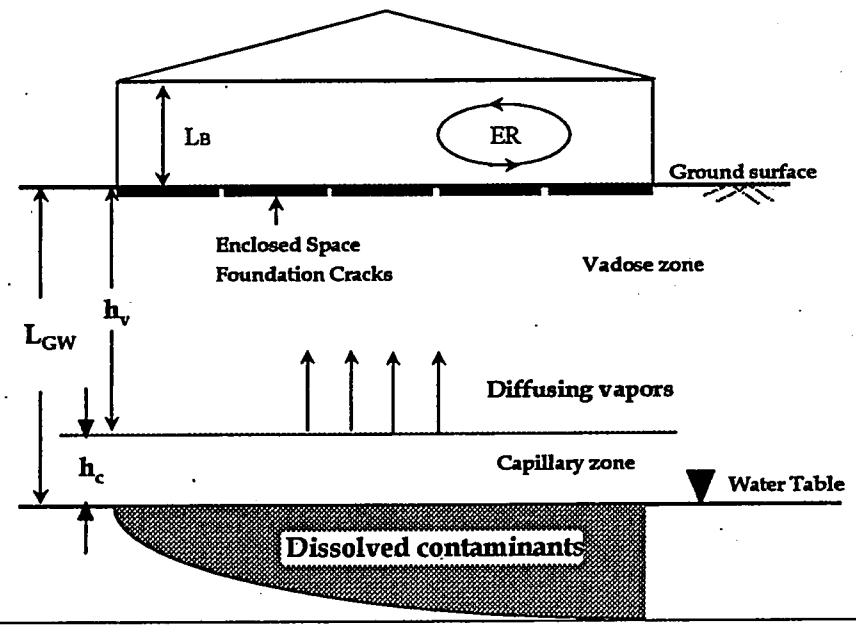
where:

$RBTL_{wi}$ = Risk-based target level for indoor inhalation of vapors from groundwater [mg/l-H_2O]

$RBTL_{ai}$ = Risk-based target level for indoor inhalation of air (mg/m^3-air)

VF_{wesp} = Volatilization factor from groundwater to indoor (enclosed space) air [(mg/m^3-air)/(mg/l-H_2O)]

Source: ASTM E1739-95



VOLATILIZATION FACTORS
(SURFICIAL SOIL TO OUTDOOR AIR)

$$VF_{ss} = \left[Q/C \times \frac{\left(3.14 \times D_A \times \tau\right)^{1/2}}{\left(2 \times \rho_s \times D_A\right)} \times 10^{-4} \right]^{-1}$$

where:

$$D_A = \frac{\left(\theta_{as}^{10/3} \times D^a \times H + \theta_{ws}^{10/3} \times D^w\right)/\theta_T^2}{\rho_s \times K_{sv} + \theta_{ws} + \theta_{as} \times H}$$

or

$$VF_{ss} = \frac{W_a \times \rho_s \times d_s}{U_m \times \delta_a \times \tau} \times 10^3$$

Use smaller of the two VF_{ss}.

Source: Soil Screening Guidance, 1996

where:

VF_{ss}	=	Volatilization factor from surficial soil to outdoor (ambient) air [kg-soil/m^3-air]
Q/C	=	Inverse of the mean concentration at the center of square source [(g/m^2-s)/(kg/m^3)]
D_A	=	Apparent diffusivity [cm^2/s]
τ	=	Averaging time for vapor flux [s]
ρ_s	=	Vadose zone dry soil bulk density of surficial soil [g-soil/cm^3-soil]
K_{sv}	=	Chemical-specific solid-water sorption coefficient [cm^3-H_2O/g-soil]
D^a	=	Chemical-specific diffusion coefficient in air [cm^2/s]
D^w	=	Chemical-specific diffusion coefficient in water [cm^2/s]
θ_T	=	Total soil porosity in the surficial soils [cm^3/cm^3-soil]
θ_{as}	=	Volumetric air content in the surficial soils [cm^3-air/cm^3-soil]
θ_{ws}	=	Volumetric water content in the surficial soils [cm^3-H_2O/cm^3-soil]
H	=	Chemical-specific Henry's Law constant [(L-H_2O)/(L-air)]
10^{-4}	=	Conversion factor [m^2/cm^2]
W_a	=	Dimension of soil source area parallel to wind direction [cm]
d_s	=	Depth to base of surficial soil zone [cm]
U_m	=	Mean annual wind speed [m/s]
δ_a	=	Breathing zone height [cm]
10^3	=	Conversion factor [(cm^3-kg)/(m^3-g)]

Note: Surficial soil properties are assumed same as the vadose zone properties.

VOLATILIZATION FACTORS
(PARTICULAR EMISSIONS FROM SURFICIAL SOIL)

$$VF_p = \left[Q/C \times \frac{3600}{0.036 \times (1 - V) \times \left(U_m / U_t\right)^3 \times F(x)} \right]^{-1}$$

Source: Soil Screening Guidance, 1996

where:

VF_p	=	Volatilization factor for particulate emissions from surficial soil [kg-soil/m^3-air]
Q/C	=	Inverse of the mean concentration at the center of square source [(g/m^2-s)/(kg/m^3)]
V	=	Fraction of vegetative cover [-]
U_m	=	Mean annual wind speed [m/s]
U_t	=	Equivalent threshold value of wind speed at 7 m [m/s]
$F(x)$	=	Function dependent on U_m/U_t derived using Cowherd *et al.* 1985 [-]
0.036	=	Empirical constant [g/m^2-hr]

VOLATILIZATION FACTORS
(SUBSURFACE SOIL TO INDOOR AIR)

$$VF_{sesp} = \frac{\dfrac{H \times \rho_s}{[\theta_{ws} + (K_{sv} \times \rho_s) + (H \times \theta_{as})]} \times \left[\dfrac{D_s^{eff} / d_{ts}}{ER \times L_B}\right]}{1 + \left[\dfrac{D_s^{eff} / d_{ts}}{ER \times L_B}\right] + \left[\dfrac{D_s^{eff} / d_{ts}}{(D_{crack}^{eff} / L_{crack}) \times \eta}\right]} \times 10^3$$

Source: ASTM E1739-95

where:

VF_{sesp}	=	Volatilization factor from subsurface soil to indoor (enclosed space) air [m^3-air/(mg/kg-soil)]
H	=	Vadose zone specific Henry's Law constant [L-H_2O/L-air]
ρ_s	=	Dry soil bulk density [g-soil/cm^3-soil]
θ_{ws}	=	Volumetric water content in vadose zone soils [cm^3-H_2O/cm^3-soil]
K_{sv}	=	$f_{ocv} \times K_{oc}$
	=	Chemical-specific soil-water sorption coefficient in vadose zone [cm^3-H_2O/g-soil]
θ_{as}	=	Volumetric air content in vadose zone soils [cm^3-air/cm^3-soil
d_{ts}	=	Depth to subsurface soil sources [cm]
L_B	=	Enclosed space volume/infiltration area ratio [cm]
L_{crack}	=	Enclosed space foundation or wall thickness [cm]
ER	=	Enclosed space air exchange rate [1/s]
D_s^{eff}	=	Effective diffusion coefficient in soil based on vapor-phase concentration [cm^2/s]
D_{crack}^{eff}	=	Effective diffusion coefficient through foundation cracks [cm^2/s]
η	=	Area fraction of cracks in foundation and/or walls [cm^2-cracks/ cm^2-total area]
10^3	=	Conversion factor [(cm^3-kg)/(m^3-g)]

VOLATILIZATION FACTORS
(GROUNDWATER TO INDOOR AIR)

$$VF_{wesp} = \frac{H \times \left[\dfrac{D_{ws}^{eff} / L_{GW}}{ER \times L_B}\right]}{1 + \left[\dfrac{D_{ws}^{eff} / L_{GW}}{ER \times L_B}\right] + \left[\dfrac{D_{ws}^{eff} / L_{GW}}{\left(D_{crack}^{eff} / L_{crack}\right) \times \eta}\right]} \times 10^3$$

Source: ASTM E1739-95

where:

VF_{wesp}	=	Volatilization factor from groundwater to indoor (enclosed space) air [(mg/m^3-air)/(mg/L-H_2O)]
H	=	Vadose zone chemical specific Henry's Law constant [(L-H_2O)/(L-air)]
L_{GW}	=	Depth to groundwater [cm]
L_B	=	Enclosed space volume/infiltration area ratio [cm]
L_{crack}	=	Enclosed space foundation or wall thickness [cm]
ER	=	Enclosed space air exchange rate [1/s]
D_{ws}^{eff}	=	Effective diffusion coefficient between groundwater and soil surface [cm^2/s]
D_{crack}^{eff}	=	Effective diffusion coefficient through foundation cracks [cm^2/s]
η	=	Area fraction of cracks in foundation and/or walls [cm^2-cracks/ cm^2-total area]
10^3	=	Conversion factor [L/m^3]

EFFECTIVE DIFFUSION COEFFICIENTS

D_s^{eff} : effective diffusion coefficient in soil based on vapor-phase concentration [cm²/s]

$$D_s^{eff} = D^a \times \frac{\theta_{as}^{3.33}}{\theta_T^{2.0}} + D^w \times \frac{1}{H} \times \frac{\theta_{ws}^{3.33}}{\theta_T^{2.0}}$$

where:

D^a	=	Chemical-specific diffusion coefficient in air [cm²/s]
D^w	=	Chemical-specific diffusion coefficient in water [cm²/s]
θ_{as}	=	Volumetric air content in capillary fringe soils [cm³-air/cm³-soil]
θ_{ws}	=	Volumetric water content in capillary fringe soils [cm³-H2O/cm³-soil]
θ_T	=	Total soil porosity in the impacted zone [cm³/cm³-soil]
H	=	Chemical-specific Henry's Law constant [L-H_2O/L-air]

D_{ws}^{eff} : effective diffusion coefficient between groundwater and surface soil [cm²/s]

$$D_{ws}^{eff} = (h_c + h_v) \times \left[\frac{h_{cap}}{D_{cap}^{eff}} + \frac{h_v}{D_s^{eff}} \right]^{-1}$$

where:

h_c	=	Thickness of capillary fringe [cm]
h_v	=	Thickness of vadose zone [cm]
D_{cap}^{eff}	=	Effective diffusion coefficient through capillary fringe [cm²/s]
D_s^{eff}	=	Effective diffusion coefficient in soil based on vapor-phase concentration [cm²/s]
L_{GW}	=	Depth to groundwater ($h_c + h_v$) [cm]

D_{cap}^{eff} : effective diffusion coefficient for the capillary fringe [cm²/s]

$$D_{cap}^{eff} = D^a \times \frac{\theta_{acap}^{3.33}}{\theta_T^{2.0}} + D^w \times \frac{1}{H} \times \frac{\theta_{wcap}^{3.33}}{\theta_T^{2.0}}$$

where:

D^a	=	Chemical-specific diffusion coefficient in air [cm²/s]
D^w	=	Chemical-specific diffusion coefficient in water [cm²/s]
θ_{acap}	=	Volumetric air content in capillary fringe soils [cm³-air/cm³-soil]
θ_{wcap}	=	Volumetric water content in capillary fringe soils [cm³-H2O/cm³-soil]
θ_T	=	Total soil porosity [cm³/cm³-soil]
H	=	Chemical-specific Henry's Law constant [L-H_2O/L-air]

D_{crack}^{eff} : effective diffusion coeff. through foundation cracks [cm²/s]

$$D_{crack}^{eff} = D^a \times \frac{\theta_{acrack}^{3.33}}{\theta_T^{2.0}} + D^w \times \frac{1}{H} \times \frac{\theta_{wcrack}^{3.33}}{\theta_T^{2.0}}$$

where:

D^a	=	Chemical-specific diffusion coefficient in air [cm²/s]
D^w	=	Chemical-specific diffusion coefficient in water [cm²/s]
θ_{acrack}	=	Volumetric air content in foundation/wall cracks [cm³-air/cm³-total volume]
θ_{wcrack}	=	Volumetric water content in foundation/wall cracks [cm³-H_2O/cm³-total volume]
θ_T	=	Total soil porosity [cm³/cm³-soil]
H	=	Chemical-specific Henry's Law constant [L-H_2O/L-air]

Source: ASTM E1739-95

APPENDIX B

AREA 1: RUNWAY PROTECTION ZONE

BOEING TRACT 1, ST. LOUIS, MISSOURI

Table B-1. Comprehensive Analytical Soil Data (6 Pages)

Table B-2. Range of Detection Limits for Constituents in Soil with No Detections (2 Pages)

Table B-3. Comprehensive Analytical Groundwater Data (20 Pages)

Table B-4. Range of Detection Limits for Constituents in Groundwater with No Detections (2 Pages)

TABL

COMPREHENSIVE ANALYTICAL SOIL DATA, AREA 1: RUNWAY PROTECTION ZONE
BOEING TRACT 1, ST. LOUIS, MISSOURI

GROUP	BoeingParmName DATE	PIT#3 - M 8/1/92	PIT#3-E 8/1/92	PIT#3-D 8/1/92	PIT#4-D 8/1/92	40-10012 11/1/94	40-11224 11/1/94	40-20012 11/1/94	40-21224 11/1/94	B40E1-6	B40E2-6	B40S1-6
VOCs	1,1,1,2-TETRACHLOROETHANE									< 1	< 1	< 1
VOCs	1,1,1-TRICHLOROETHANE	ND	ND	ND	ND	ND	ND	ND	ND	< 1	< 1	< 1
VOCs	1,1,2,2-TETRACHLOROETHANE	ND	ND	ND	ND	ND	ND	ND	ND	< 1	< 1	< 1
VOCs	1,1,2-TRICHLOROETHANE	ND	ND	ND	ND	ND	ND	ND	ND	< 1	< 1	< 1
VOCs	1,1-DICHLOROETHANE									< 1	< 1	< 1
VOCs	1,1-DICHLOROETHENE	ND	ND	ND	ND	ND	ND	ND	ND	< 1	< 1	< 1
VOCs	1,1-DICHLOROPROPENE									< 1	< 1	< 1
VOCs	1,2,3-TRICHLOROBENZENE									< 1	< 1	< 1
VOCs	1,2,3-TRICHLOROPROPANE									< 1	< 1	< 1
VOCs	1,2,4-TRICHLOROBENZENE	ND	ND	ND	ND	ND	ND	ND	ND	< 1	< 1	< 1
VOCs	1,2,4-TRIMETHYLBENZENE									< 1	< 1	< 1
VOCs	1,2-DIBROMO-3-CHLOROPROPANE									< 1	< 1	< 1
VOCs	1,2-DIBROMOMETHANE									< 1	< 1	< 1
VOCs	1,2-DICHLOROBENZENE	ND	ND	ND	ND	ND	ND	ND	ND	< 1	< 1	< 1
VOCs	1,2-DICHLOROETHANE	ND	ND	ND	ND	ND	ND	ND	ND	< 1	< 1	< 1
VOCs	1,2-DICHLOROPROPANE	ND	ND	ND	ND	ND	ND	ND	ND	< 1	< 1	< 1
VOCs	1,3,5-TRIMETHYLBENZENE									< 1	< 1	< 1
VOCs	1,3-DICHLOROBENZENE	ND	ND	ND	ND	ND	ND	ND	ND	< 1	< 1	< 1
VOCs	1,3-DICHLOROPROPANE									< 1	< 1	< 1
VOCs	1,4-DICHLOROBENZENE	ND	ND	ND	ND	ND	ND	ND	ND	< 1	< 1	< 1
VOCs	2,2-DICHLOROPROPANE									< 1	< 1	< 1
VOCs	2-CHLOROTOLUENE									< 1	< 1	< 1
VOCs	4-CHLOROTOLUENE									< 1	< 1	< 1
VOCs	ACETONE					<19	<27	<48	<25			
VOCs	BENZENE	139000	150000	128000	258000	<10	<13	<10	<10	< 1	< 1	< 1
VOCs	BROMOBENZENE									< 1	< 1	< 1
VOCs	BROMOCHLOROMETHANE									< 1	< 1	< 1
VOCs	BROMODICHLOROMETHANE					ND	ND	ND	ND	< 1	< 1	< 1
VOCs	BROMOFORM					ND	ND	ND	ND	< 1	< 1	< 1
VOCs	BROMOMETHANE					ND	ND	ND	ND	< 1	< 1	< 1
VOCs	CARBON TETRACHLORIDE					ND	ND	ND	ND	< 1	< 1	< 1
VOCs	CHLOROBENZENE					ND	ND	ND	ND	< 1	< 1	< 1
VOCs	CHLOROETHANE					ND	ND	ND	ND	< 1	< 1	< 1
VOCs	CHLOROFORM					ND	ND	ND	ND	< 1	< 1	< 1
VOCs	CHLOROMETHANE					ND	ND	ND	ND	< 1	< 1	< 1
VOCs	CIS-1,2-DICHLOROETHENE	ND	ND	ND	ND	ND	ND	ND	ND	< 1	< 1	< 1
VOCs	CIS-1,3-DICHLOROPROPENE	ND	ND	ND	ND	ND	ND	ND	ND	< 1	< 1	< 1
VOCs	DIBROMOCHLOROMETHANE	ND	ND	ND	ND	ND	ND	ND	ND	< 1	< 1	< 1
VOCs	DIBROMOMETHANE									< 1	< 1	< 1
VOCs	DICHLORODIFLUOROMETHANE									< 1	< 1	< 1
VOCs	ETHYLBENZENE	<5000	<5000	<5000	663000	<10	<13	<10	<10	< 1	< 1	< 1
VOCs	HEXACHLOROBUTADIENE	ND	ND	ND	ND	ND	ND	ND	ND	< 1	< 1	< 1
VOCs	ISOPROPYL BENZENE									< 1	< 1	< 1
VOCs	M,P-XYLENE									< 1	< 1	< 1
VOCs	METHYL TERT-BUTYL ETHER											
VOCs	METHYLENE CHLORIDE					ND	ND	ND	ND	< 1	< 1	< 1
VOCs	NAPHTHALENE					ND	ND	ND	ND	< 1	< 1	< 1
VOCs	N-BUTYLBENZENE									< 1	< 1	< 1
VOCs	N-PROPYLBENZENE									< 1	< 1	< 1

TA[illegible]1
COMPREHENSIVE ANALYTICAL SOIL DATA, AREA 1: RUNWAY PROTECTION ZONE
BOEING TRACT 1, ST. LOUIS, MISSOURI

GROUP	BoeingParmName DATE	PIT#3 - M 8/1/92	PIT#3-E 8/1/92	PIT#3-D 8/1/92	PIT#4-D 8/1/92	40-10012 11/1/94	40-11224 11/1/94	40-20012 11/1/94	40-21224 11/1/94	B40E1-6	B40E2-6	B40S1-6
VOCs	O-XYLENE									< 1	< 1	< 1
VOCs	P-ISOPROPYLTOLUENE									< 1	< 1	< 1
VOCs	SEC-BUTYLBENZENE									< 1	< 1	< 1
VOCs	STYRENE					ND	ND	ND	ND	< 1	< 1	< 1
VOCs	TERT-BUTYLBENZENE									< 1	< 1	< 1
VOCs	TETRACHLOROETHENE	ND	ND	ND	ND	ND	ND	ND	ND	< 1	< 1	< 1
VOCs	TOLUENE	20000	75000	26000	3980000	<10	<13	<10	<10	< 1	< 1	< 1
VOCs	TRANS-1,2-DICHLOROETHENE	ND	ND	ND	ND	ND	ND	ND	ND	< 1	< 1	< 1
VOCs	TRANS-1,3-DICHLOROPROPENE	ND	ND	ND	ND	ND	ND	ND	ND	< 1	< 1	< 1
VOCs	TRICHLOROETHENE					ND	ND	ND	ND	< 1	< 1	< 1
VOCs	TRICHLOROFLUOROMETHANE									< 1	< 1	< 1
VOCs	VINYL CHLORIDE	ND	ND	ND	ND	ND	ND	ND	ND	< 1	< 1	< 1
VOCs	XYLENES, TOTAL	<15000	<15000	<15000	2970000	<10	<13	<10	<10			
TPH	DIESEL #1									< 5000	< 5000	< 5000
TPH	DIESEL #2									< 5000	< 5000	< 5000
TPH	GASOLINE (C6-C14)											
TPH	KEROSENE									< 5000	< 5000	< 5000
TPH	MOTOR OIL (C16-C33)									< 5000	< 5000	< 5000
TPH	STODDARD SOLVENT									< 5000	< 5000	< 5000
TPH	TPH (GC/FID) HIGH FRACTION											
TPH	TPH (GC/FID) LOW FRACTION											
Metals	ARSENIC					43300	43000	35600	44800			
Metals	BARIUM					212000	245000	303000	201000			
Metals	CADMIUM					<487	<487	<487	<487			
Metals	CHROMIUM					19500	18500	15100	19200			
Metals	LEAD					34100	30500	27700	27400			
Metals	MERCURY					26	490	243	404			
Metals	SELENIUM					<3090	<3090	<3090	<3090			
Metals	SILVER					<615	<615	<615	<615			
Metals*	ALUMINUM					17300000	18000000	17200000	21900000			
Metals*	ANTIMONY					4350	4210	3540	3920			
Metals*	BERYLIUM					1340	1370	<1200	1310			
Metals*	CALCIUM					5420000	3370000	3970000	3540000			
Metals*	COBALT					11000	10400	11600	6540			
Metals*	COPPER					15500	16100	12800	14000			
Metals*	IRON					24700000	23600000	23700000	25300000			
Metals*	MAGNESIUM					2970000	3140000	2750000	3240000			
Metals*	MANGNESE					949000	1280000	2580000	546000			
Metals*	NICKEL					23600	28700	21400	18600			
Metals*	POTASSIUM	ND	ND	ND	ND	858000	742000	657000	929000			
Metals*	SODIUM					519000	497000	431000	453000			
Metals*	THALLIUM					<3150	<3150	<3150	<3150			
Metals*	VANADIUM					41000	40700	32500	40100			
Metals*	ZINC					42000	46500	36600	44100			
TPH*	TPH (ORO)	117000	49000	61000	13000	ND	ND	ND	ND			

Note:
* RAM Group extra list of detected chemicals
All concentrations in ug/kg

TABLE B-1
COMPREHENSIVE ANALYTICAL SOIL DATA, AREA 1: RUNWAY PROTECTION ZONE
BOEING TRACT 1, ST. LOUIS, MISSOURI

GROUP	BoeingParmName DATE	B40S2-6	B40W1-6	B45CS2-6	B45CS3D-6	B45S2-7	B45S2-7 DUP	B45S3-7	B45S4-7	B45S6-6
VOCs	1,1,1,2-TETRACHLOROETHANE	< 1	< 1							
VOCs	1,1,1-TRICHLOROETHANE	< 1	< 1							
VOCs	1,1,2,2-TETRACHLOROETHANE	< 1	< 1							
VOCs	1,1,2-TRICHLOROETHANE	< 1	< 1							
VOCs	1,1-DICHLOROETHANE	< 1	< 1							
VOCs	1,1-DICHLOROETHENE	< 1	< 1							
VOCs	1,1-DICHLOROPROPENE	< 1	< 1							
VOCs	1,2,3-TRICHLOROBENZENE	< 1	< 1							
VOCs	1,2,3-TRICHLOROPROPANE	< 1	< 1							
VOCs	1,2,4-TRICHLOROBENZENE	< 1	< 1							
VOCs	1,2,4-TRIMETHYLBENZENE	< 1	< 1							
VOCs	1,2-DIBROMO-3-CHLOROPROPANE	< 1	< 1							
VOCs	1,2-DIBROMOMETHANE	< 1	< 1							
VOCs	1,2-DICHLOROBENZENE	< 1	< 1							
VOCs	1,2-DICHLOROETHANE	< 1	< 1							
VOCs	1,2-DICHLOROPROPANE	< 1	< 1							
VOCs	1,3,5-TRIMETHYLBENZENE	< 1	< 1							
VOCs	1,3-DICHLOROBENZENE	< 1	< 1							
VOCs	1,3-DICHLOROPROPANE	< 1	< 1							
VOCs	1,4-DICHLOROBENZENE	< 1	< 1							
VOCs	2,2-DICHLOROPROPANE	< 1	< 1							
VOCs	2-CHLOROTOLUENE	< 1	< 1							
VOCs	4-CHLOROTOLUENE	< 1	< 1							
VOCs	ACETONE									
VOCs	BENZENE	< 1	< 1	< 50	< 2.5	601	549	242	< 50	< 50
VOCs	BROMOBENZENE	< 1	< 1							
VOCs	BROMOCHLOROMETHANE	< 1	< 1							
VOCs	BROMODICHLOROMETHANE	< 1	< 1							
VOCs	BROMOFORM	< 1	< 1							
VOCs	BROMOMETHANE	< 1	< 1							
VOCs	CARBON TETRACHLORIDE	< 1	< 1							
VOCs	CHLOROBENZENE	< 1	< 1							
VOCs	CHLOROETHANE	< 1	< 1							
VOCs	CHLOROFORM	< 1	< 1							
VOCs	CHLOROMETHANE	< 1	< 1							
VOCs	CIS-1,2-DICHLOROETHENE	< 1	< 1							
VOCs	CIS-1,3-DICHLOROPROPENE	< 1	< 1							
VOCs	DIBROMOCHLOROMETHANE	< 1	< 1							
VOCs	DIBROMOMETHANE	< 1	< 1							
VOCs	DICHLORODIFLUOROMETHANE	< 1	< 1							
VOCs	ETHYLBENZENE	< 1	< 1	< 50	< 2.5	< 5000	< 50	< 50	< 50	< 50
VOCs	HEXACHLOROBUTADIENE	< 1	< 1							
VOCs	ISOPROPYL BENZENE	< 1	< 1							
VOCs	M,P-XYLENE	< 1	< 1							
VOCs	METHYL TERT-BUTYL ETHER			< 50	< 25	< 50	< 50	< 50	< 50	< 50
VOCs	METHYLENE CHLORIDE	< 1	< 1							
VOCs	NAPHTHALENE	< 1	< 1							
VOCs	N-BUTYLBENZENE	< 1	< 1							
VOCs	N-PROPYLBENZENE	< 1	< 1							

TAB[illegible]-1

COMPREHENSIVE ANALYTICAL SOIL DATA, AREA 1: RUNWAY PROTECTION ZONE
BOEING TRACT 1, ST. LOUIS, MISSOURI

GROUP	BoeingParmName DATE	B40S2-6	B40W1-6	B45CS2-6	B45CS3D-6	B45S2-7	B45S2-7 DUP	B45S3-7	B45S4-7	B45S6-6
VOCs	O-XYLENE	< 1	< 1							
VOCs	P-ISOPROPYLTOLUENE	< 1	< 1							
VOCs	SEC-BUTYLBENZENE	< 1	< 1							
VOCs	STYRENE	< 1	< 1							
VOCs	TERT-BUTYLBENZENE	< 1	< 1							
VOCs	TETRACHLOROETHENE	< 1	< 1							
VOCs	TOLUENE	< 1	< 1	< 50	< 25	3200	2930	1550	< 50	< 50
VOCs	TRANS-1,2-DICHLOROETHENE	< 1	< 1							
VOCs	TRANS-1,3-DICHLOROPROPENE	< 1	< 1							
VOCs	TRICHLOROETHENE	< 1	< 1							
VOCs	TRICHLOROFLUOROMETHANE	< 1	< 1							
VOCs	VINYL CHLORIDE	< 1	< 1							
VOCs	XYLENES, TOTAL			< 50	< 7.5	360	263	328	< 50	< 50
TPH	DIESEL #1	<. 5000	< 5000	< 5000		< 5000	< 5000	< 5000	< 5000	< 5000
TPH	DIESEL #2	< 5000	< 5000	< 5000		< 5000	< 5000	< 5000	< 5000	< 5000
TPH	GASOLINE (C6-C14)			< 5000		186000	163000	206000	12000	< 5000
TPH	KEROSENE	< 5000	< 5000	< 5000		< 5000	< 5000	< 5000	< 5000	< 5000
TPH	MOTOR OIL (C16-C33)	< 5000	< 5000	< 5000		< 5000	< 5000	< 5000	< 5000	< 5000
TPH	STODDARD SOLVENT	< 5000	< 5000	< 5000		< 5000	< 5000	< 5000	< 5000	< 5000
TPH	TPH (GC/FID) HIGH FRACTION				< 4000					
TPH	TPH (GC/FID) LOW FRACTION				< 500					
Metals	ARSENIC									
Metals	BARIUM									
Metals	CADMIUM									
Metals	CHROMIUM									
Metals	LEAD									
Metals	MERCURY									
Metals	SELENIUM									
Metals	SILVER									
Metals*	ALUMINUM									
Metals*	ANTIMONY									
Metals*	BERYLIUM									
Metals*	CALCIUM									
Metals*	COBALT									
Metals*	COPPER									
Metals*	IRON									
Metals*	MAGNESIUM									
Metals*	MANGNESE									
Metals*	NICKEL									
Metals*	POTASSIUM									
Metals*	SODIUM									
Metals*	THALLIUM									
Metals*	VANADIUM									
Metals*	ZINC									
TPH*	TPH (ORO)									

Note:
* RAM Group extra list of detected chemicals
All concentrations in ug/kg

TAB[illegible]1
COMPREHENSIVE ANALYTICAL SOIL DATA, AREA 1: RUNWAY PROTECTION ZONE
BOEING TRACT 1, ST. LOUIS, MISSOURI

GROUP	BoeingParmName DATE	B45S7-7	S26B1 10-11	S26B1 2-3	S26B1 7-9	S26B2 3-4	S26B2 7-8	S26B3 2-3	S26B3 9-11
VOCs	1,1,1,2-TETRACHLOROETHANE								
VOCs	1,1,1-TRICHLOROETHANE								
VOCs	1,1,2,2-TETRACHLOROETHANE								
VOCs	1,1,2-TRICHLOROETHANE								
VOCs	1,1-DICHLOROETHANE								
VOCs	1,1-DICHLOROETHENE								
VOCs	1,1-DICHLOROPROPENE								
VOCs	1,2,3-TRICHLOROBENZENE								
VOCs	1,2,3-TRICHLOROPROPANE								
VOCs	1,2,4-TRICHLOROBENZENE								
VOCs	1,2,4-TRIMETHYLBENZENE								
VOCs	1,2-DIBROMO-3-CHLOROPROPANE								
VOCs	1,2-DIBROMOMETHANE								
VOCs	1,2-DICHLOROBENZENE								
VOCs	1,2-DICHLOROETHANE								
VOCs	1,2-DICHLOROPROPANE								
VOCs	1,3,5-TRIMETHYLBENZENE								
VOCs	1,3-DICHLOROBENZENE								
VOCs	1,3-DICHLOROPROPANE								
VOCs	1,4-DICHLOROBENZENE								
VOCs	2,2-DICHLOROPROPANE								
VOCs	2-CHLOROTOLUENE								
VOCs	4-CHLOROTOLUENE								
VOCs	ACETONE		34	39	< 13	73	17	24	17
VOCs	BENZENE	< 50							
VOCs	BROMOBENZENE								
VOCs	BROMOCHLOROMETHANE								
VOCs	BROMODICHLOROMETHANE								
VOCs	BROMOFORM								
VOCs	BROMOMETHANE								
VOCs	CARBON TETRACHLORIDE								
VOCs	CHLOROBENZENE								
VOCs	CHLOROETHANE								
VOCs	CHLOROFORM								
VOCs	CHLOROMETHANE								
VOCs	CIS-1,2-DICHLOROETHENE		< 6.5	< 6.4	< 6.4	< 6.3	< 6.5	< 6.4	< 6.4
VOCs	CIS-1,3-DICHLOROPROPENE								
VOCs	DIBROMOCHLOROMETHANE								
VOCs	DIBROMOMETHANE								
VOCs	DICHLORODIFLUOROMETHANE								
VOCs	ETHYLBENZENE	< 50							
VOCs	HEXACHLOROBUTADIENE								
VOCs	ISOPROPYL BENZENE								
VOCs	M,P-XYLENE								
VOCs	METHYL TERT-BUTYL ETHER	< 50							
VOCs	METHYLENE CHLORIDE								
VOCs	NAPHTHALENE								
VOCs	N-BUTYLBENZENE								
VOCs	N-PROPYLBENZENE								

TAB[illegible]-1
COMPREHENSIVE ANALYTICAL SOIL DATA, AREA 1: RUNWAY PROTECTION ZONE
BOEING TRACT 1, ST. LOUIS, MISSOURI

GROUP	BoeingParmName DATE	B45S7-7	S26B1 10-11	S26B1 2-3	S26B1 7-9	S26B2 3-4	S26B2 7-8	S26B3 2-3	S26B3 9-11
VOCs	O-XYLENE								
VOCs	P-ISOPROPYLTOLUENE								
VOCs	SEC-BUTYLBENZENE								
VOCs	STYRENE								
VOCs	TERT-BUTYLBENZENE								
VOCs	TETRACHLOROETHENE		< 6.5	< 6.4	< 6.4	< 6.3	< 6.5	< 6.4	< 6.4
VOCs	TOLUENE	67							
VOCs	TRANS-1,2-DICHLOROETHENE		< 6.5	< 6.4	< 6.4	< 6.3	< 6.5	< 6.4	< 6.4
VOCs	TRANS-1,3-DICHLOROPROPENE								
VOCs	TRICHLOROETHENE								
VOCs	TRICHLOROFLUOROMETHANE								
VOCs	VINYL CHLORIDE								
VOCs	XYLENES, TOTAL	113	< 6.5	< 6.4	< 6.4	< 6.3	< 6.5	< 6.4	< 6.4
TPH	DIESEL #1	< 5000							
TPH	DIESEL #2	< 5000							
TPH	GASOLINE (C6-C14)	68000							
TPH	KEROSENE	< 5000							
TPH	MOTOR OIL (C16-C33)	< 5000							
TPH	STODDARD SOLVENT	< 5000							
TPH	TPH (GC/FID) HIGH FRACTION								
TPH	TPH (GC/FID) LOW FRACTION								
Metals	ARSENIC		< 6400	< 6200	7600	8600	< 6400	8100	8700
Metals	BARIUM		89000	210000	120000	170000	83000	220000	110000
Metals	CADMIUM		< 640	< 620	< 640	< 620	< 640	< 630	< 640
Metals	CHROMIUM		15000	22000	18000	20000	16000	22000	12000
Metals	LEAD		8100	7400	11000	10000	7400	15000	10000
Metals	MERCURY		< 30	40	< 30	40	< 30	30	< 30
Metals	SELENIUM		2500	1200	1800	1600	< 640	1700	1400
Metals	SILVER		< 2500	< 2500	< 2600	< 2500	< 2600	< 2500	< 2500
Metals*	ALUMINUM								
Metals*	ANTIMONY								
Metals*	BERYLIUM								
Metals*	CALCIUM								
Metals*	COBALT								
Metals*	COPPER								
Metals*	IRON								
Metals*	MAGNESIUM								
Metals*	MANGNESE								
Metals*	NICKEL								
Metals*	POTASSIUM								
Metals*	SODIUM								
Metals*	THALLIUM								
Metals*	VANADIUM								
Metals*	ZINC								
TPH*	TPH (ORO)								

Note:
* RAM Group extra list of detected chemicals
All concentrations in ug/kg

TABLE B-2
RANGE OF DETECTION LIMITS FOR CONSTITUENTS IN SOIL WITH NO DETECTION FOR AREA 1: RUNWAY PROTECTION ZONE
BOEING TRACT 1, ST. LOUIS, MISSOURI

Group	COCs	Maximum	Minimum
VOCs	1,1,1,2-TETRACHLOROETHANE	<1	<1
VOCs	1,1,1-TRICHLOROETHANE	<1	<1
VOCs	1,1,2,2-TETRACHLOROETHANE	<1	<1
VOCs	1,1,2-TRICHLOROETHANE	<1	<1
VOCs	1,1-DICHLOROETHANE	<1	<1
VOCs	1,1-DICHLOROETHENE	<1	<1
VOCs	1,1-DICHLOROPROPENE	<1	<1
VOCs	1,2,3-TRICHLOROBENZENE	<1	<1
VOCs	1,2,3-TRICHLOROPROPANE	<1	<1
VOCs	1,2,4-TRICHLOROBENZENE	<1	<1
VOCs	1,2,4-TRIMETHYLBENZENE	<1	<1
VOCs	1,2-DIBROMO-3-CHLOROPROPANE (DBCP)	<1	<1
VOCs	1,2-DIBROMOMETHANE (EDB)	<1	<1
VOCs	1,2-DICHLOROBENZENE	<1	<1
VOCs	1,2-DICHLOROETHANE	<1	<1
VOCs	1,2-DICHLOROPROPANE	<1	<1
VOCs	1,3,5-TRIMETHYLBENZENE	<1	<1
VOCs	1,3-DICHLOROBENZENE	<1	<1
VOCs	1,3-DICHLOROPROPANE	<1	<1
VOCs	1,4-DICHLOROBENZENE	<1	<1
VOCs	2,2-DICHLOROPROPANE	<1	<1
VOCs	2-CHLOROTOLUENE	<1	<1
VOCs	4-CHLOROTOLUENE	<1	<1
VOCs	BROMOBENZENE	<1	<1
VOCs	BROMOCHLOROMETHANE	<1	<1
VOCs	BROMODICHLOROMETHANE	<1	<1
VOCs	BROMOFORM	<1	<1
VOCs	BROMOMETHANE	<1	<1
VOCs	CARBON TETRACHLORIDE	<1	<1
VOCs	CHLOROBENZENE	<1	<1
VOCs	CHLOROETHANE	<1	<1
VOCs	CHLOROFORM	<1	<1
VOCs	CHLOROMETHANE	<1	<1
VOCs	CIS-1,2-DICHLOROETHENE	<6.5	<1
VOCs	CIS-1,3-DICHLOROPROPENE	<1	<1
VOCs	DIBROMOCHLOROMETHANE	<1	<1
VOCs	DIBROMOMETHANE	<1	<1
VOCs	DICHLORODIFLUOROMETHANE	<1	<1
VOCs	HEXACHLOROBUTADIENE	<1	<1
VOCs	ISOPROPYL BENZENE	<1	<1
VOCs	M,P-XYLENE	<1	<1
VOCs	METHYL TERT-BUTYL ETHER	<50	<25
VOCs	METHYLENE CHLORIDE	<1	<1
VOCs	NAPHTHALENE	<1	<1
VOCs	N-BUTYLBENZENE	<1	<1
VOCs	N-PROPYLBENZENE	<1	<1

TABLE B-2
RANGE OF DETECTION LIMITS FOR CONSTITUENTS IN SOIL WITH NO DETECTION FOR AREA 1: RUNWAY PROTECTION ZONE
BOEING TRACT 1, ST. LOUIS, MISSOURI

Group	COCs	Maximum	Minimum
VOCs	O-XYLENE	<1	<1
VOCs	P-ISOPROPYLTOLUENE	<1	<1
VOCs	SEC-BUTYLBENZENE	<1	<1
VOCs	STYRENE	<1	<1
VOCs	TERT-BUTYLBENZENE	<1	<1
VOCs	TETRACHLOROETHENE	<6.5	<1
VOCs	TRANS-1,2-DICHLOROETHENE	<6.5	<1
VOCs	TRANS-1,3-DICHLOROPROPENE	<1	<1
VOCs	TRICHLOROETHENE	<1	<1
VOCs	TRICHLOROFLUOROMETHANE	<1	<1
VOCs	VINYL CHLORIDE	<1	<1
TPH	DIESEL #1	<5000	<5000
TPH	DIESEL #2	<5000	<5000
TPH	KEROSENE	<5000	<5000
TPH	MOTOR OIL (C16-C33)	<5000	<5000
TPH	STODDARD SOLVENT	<5000	<5000
TPH	TPH (GC/FID) HIGH FRACTION	<4000	<4000
TPH	TPH (GC/FID) LOW FRACTION	<500	<500
Metals	CADMIUM	<640	<487
Metals	SILVER	<2600	<615
Metals*	Thallium	<3150	<3150

Note:
* RAM Group Extra List
All concentrations in ug/kg

TA[illegible]3
COMPREHENSIVE ANALYTICAL GROUNDWATER DATA, AREA 1: RUNWAY PROTECTION ZONE
BOEING TRACT 1, ST. LOUIS, MISSOURI

SAMP_ID	COLL_DATE	GROUP	#6 FUEL OIL (C10-C32)	1,1,1,2-TETRACHLOROETHANE	1,1,1-TRICHLOROETHANE	1,1,2,2-TETRACHLOROETHANE	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	1,1,2-TRICHLOROETHANE	1,1-DICHLOROETHANE	1,1-DICHLOROETHENE	1,1-DICHLOROPROPENE	1,2,3-TRICHLOROBENZENE	1,2,3-TRICHLOROPROPANE	1,2,3-TRIMETHYLBENZENE
B40E1W	14-Nov-02	TPH												
B40E1W	14-Nov-02	VOCs		< 1	< 1	< 1		< 1	< 1	< 1	< 1	< 1	< 1	
B40E2W	14-Nov-02	TPH												
B40E2W	14-Nov-02	VOCs		< 1	< 1	< 1		< 1	< 1	< 1	< 1	< 1	< 1	
B40S1W	14-Nov-02	TPH												
B40S1W	14-Nov-02	VOCs		< 1	< 1	< 1		< 1	< 1	< 1	< 1	< 1	< 1	
B40S2W	14-Nov-02	TPH												
B40S2W	14-Nov-02	VOCs		< 1	< 1	< 1		< 1	< 1	< 1	< 1	< 1	< 1	
B40W1W	14-Nov-02	TPH												
B40W1W	14-Nov-02	VOCs		< 1	< 1	< 1		< 1	< 1	< 1	< 1	< 1	< 1	
B45CMW-3AW	02-Jul-03	TPH	< 100											
B45CMW-3AW	02-Jul-03	VOCs		< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	3.4
B45CMW-3BW	26-Jun-03	TPH	< 100											
B45CMW-3BW	26-Jun-03	VOCs		< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
B45CS1DW	15-Nov-02	TPH												
B45CS1DW	15-Nov-02	VOCs												
B45CS2W	14-Nov-02	TPH												
B45CS2W	14-Nov-02	VOCs												
B45CS3DW	20-Nov-02	TPH												
B45CS3DW	20-Nov-02	VOCs												
B45S1DW	18-Nov-02	TPH												
B45S1DW	18-Nov-02	VOCs												
B45S2W	18-Nov-02	TPH												
B45S2W	18-Nov-02	VOCs												
B45S3W	18-Nov-02	TPH												
B45S3W	18-Nov-02	VOCs												
B45S4W	18-Nov-02	TPH												
B45S4W	18-Nov-02	VOCs												
B45S4W DUP	18-Nov-02	TPH												
B45S4W DUP	18-Nov-02	VOCs												
B45S5DW	19-Nov-02	TPH												
B45S5DW	19-Nov-02	VOCs												
B45S6W	18-Nov-02	TPH												
B45S6W	18-Nov-02	VOCs												
B45S7W	19-Nov-02	TPH												
B45S7W	19-Nov-02	VOCs												
MW-A15W	02-Jul-03	TPH	< 100											
MW-A15W	02-Jul-03	VOCs		< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
MW-A17W	26-Jun-03	TPH	< 100											
MW-A17W	26-Jun-03	VOCs		< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
MW-A18W	26-Jun-03	TPH	< 100											
MW-A18W	26-Jun-03	VOCs		< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
MW-A18W	29-Jul-03	VOCs		< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	
MW-A1W	07-May-01	Metals												
MW-A1W	07-May-01	Dissolved												

TABLE B-3
COMPREHENSIVE ANALYTICAL GROUNDWATER DATA, AREA 1: RUNWAY PROTECTION ZONE
BOEING TRACT 1, ST. LOUIS, MISSOURI

SAMP_ID	COLL_DATE	GROUP	#6 FUEL OIL (C10-C32)	1,1,1,2-TETRACHLOROETHANE	1,1,1-TRICHLOROETHANE	1,1,2,2-TETRACHLOROETHANE	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	1,1,2-TRICHLOROETHANE	1,1-DICHLOROETHANE	1,1-DICHLOROETHENE	1,1-DICHLOROPROPENE	1,2,3-TRICHLOROBENZENE	1,2,3-TRICHLOROPROPANE	1,2,3-TRIMETHYLBENZENE
MW-A1W	26-Jul-01	Metals												
MW-A1W	26-Jul-01	Dissolved												
MW-A1W	02-Jul-03	TPH	< 500											
MW-A1W	02-Jul-03	VOCs												
MW-A22W	01-Nov-02	TPH	< 100											
MW-A22W	01-Nov-02	VOCs												
MW-A22W	20-Mar-03	TPH												
MW-A22W	20-Mar-03	VOCs												
MW-A23W	02-Jul-03	TPH	< 100											
MW-A23W	02-Jul-03	VOCs												
MW-A23W	29-Jul-03	VOCs		< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	
MW-A27W	01-Nov-02	TPH	< 100											
MW-A27W	01-Nov-02	VOCs												
MW-A27W	29-Jul-03	VOCs		< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	
MW-A3W	26-Jun-03	TPH	< 100											
MW-A3W	26-Jun-03	VOCs		< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1

Note:
All concentrations in ug/L

TAB[illegible]-3

COMPREHENSIVE ANALYTICAL GROUNDWATER DATA, AREA 1: RUNWAY PROTECTION ZONE
BOEING TRACT 1, ST. LOUIS, MISSOURI

SAMP_ID	COLL_DATE	GROUP	1,2,4-TRICHLOROBENZENE	1,2,4-TRIMETHYLBENZENE	1,2-DIBROMO-3-CHLOROPROPANE	1,2-DIBROMOETHANE	1,2-DIBROMOMETHANE	1,2-DICHLOROBENZENE	1,2-DICHLOROETHANE	1,2-DICHLOROPROPANE	1,3,5-TRIMETHYLBENZENE	1,3-DICHLOROBENZENE	1,3-DICHLOROPROPANE	1,4-DICHLOROBENZENE
B40E1W	14-Nov-02	TPH												
B40E1W	14-Nov-02	VOCs	< 1	< 1	< 1		< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
B40E2W	14-Nov-02	TPH												
B40E2W	14-Nov-02	VOCs	< 1	< 1	< 1		< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
B40S1W	14-Nov-02	TPH												
B40S1W	14-Nov-02	VOCs	< 1	< 1	< 1		< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
B40S2W	14-Nov-02	TPH												
B40S2W	14-Nov-02	VOCs	< 1	< 1	< 1		< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
B40W1W	14-Nov-02	TPH												
B40W1W	14-Nov-02	VOCs	< 1	< 1	< 1		< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
B45CMW-3AW	02-Jul-03	TPH												
B45CMW-3AW	02-Jul-03	VOCs	< 1	1.7	< 2	< 1		< 1	< 1	< 1	< 1	< 1	< 1	< 1
B45CMW-3BW	26-Jun-03	TPH												
B45CMW-3BW	26-Jun-03	VOCs	< 1	< 1	< 2	< 1		< 1	< 1	< 1	< 1	< 1	< 1	< 1
B45CS1DW	15-Nov-02	TPH												
B45CS1DW	15-Nov-02	VOCs												
B45CS2W	14-Nov-02	TPH												
B45CS2W	14-Nov-02	VOCs												
B45CS3DW	20-Nov-02	TPH												
B45CS3DW	20-Nov-02	VOCs												
B45S1DW	18-Nov-02	TPH												
B45S1DW	18-Nov-02	VOCs												
B45S2W	18-Nov-02	TPH												
B45S2W	18-Nov-02	VOCs												
B45S3W	18-Nov-02	TPH												
B45S3W	18-Nov-02	VOCs												
B45S4W	18-Nov-02	TPH												
B45S4W	18-Nov-02	VOCs												
B45S4W DUP	18-Nov-02	TPH												
B45S4W DUP	18-Nov-02	VOCs												
B45S5DW	19-Nov-02	TPH												
B45S5DW	19-Nov-02	VOCs												
B45S6W	18-Nov-02	TPH												
B45S6W	18-Nov-02	VOCs												
B45S7W	19-Nov-02	TPH												
B45S7W	19-Nov-02	VOCs												
MW-A15W	02-Jul-03	TPH												
MW-A15W	02-Jul-03	VOCs	< 10	< 10	< 20	< 10		< 10	< 10	< 10	< 10	< 10	< 10	< 10
MW-A17W	26-Jun-03	TPH												
MW-A17W	26-Jun-03	VOCs	< 1	< 1	< 2	< 1		< 1	< 1	< 1	< 1	< 1	< 1	< 1
MW-A18W	26-Jun-03	TPH												
MW-A18W	26-Jun-03	VOCs	< 1	< 1	< 2	< 1		< 1	< 1	< 1	< 1	< 1	< 1	< 1
MW-A18W	29-Jul-03	VOCs	< 5	< 5	< 5	< 5		< 5	< 5	< 5	< 5	< 5	< 5	< 5
MW-A1W	07-May-01	Metals												
MW-A1W	07-May-01	Dissolved												

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COMPREHENSIVE ANALYTICAL GROUNDWATER DATA, AREA 1: RUNWAY PROTECTION ZONE
BOEING TRACT 1, ST. LOUIS, MISSOURI

SAMP_ID	COLL_DATE	GROUP	1,2,4-TRICHLOROBENZENE	1,2,4-TRIMETHYLBENZENE	1,2-DIBROMO-3-CHLOROPROPANE	1,2-DIBROMOETHANE	1,2-DIBROMOMETHANE	1,2-DICHLOROBENZENE	1,2-DICHLOROETHANE	1,2-DICHLOROPROPANE	1,3,5-TRIMETHYLBENZENE	1,3-DICHLOROBENZENE	1,3-DICHLOROPROPANE	1,4-DICHLOROBENZENE
MW-A1W	26-Jul-01	Metals												
MW-A1W	26-Jul-01	Dissolved												
MW-A1W	02-Jul-03	TPH												
MW-A1W	02-Jul-03	VOCs												
MW-A22W	01-Nov-02	TPH												
MW-A22W	01-Nov-02	VOCs												
MW-A22W	20-Mar-03	TPH												
MW-A22W	20-Mar-03	VOCs												
MW-A23W	02-Jul-03	TPH												
MW-A23W	02-Jul-03	VOCs												
MW-A23W	29-Jul-03	VOCs	< 5	< 5	< 5	< 5		< 5	< 5	< 5	< 5	< 5	< 5	< 5
MW-A27W	01-Nov-02	TPH												
MW-A27W	01-Nov-02	VOCs												
MW-A27W	29-Jul-03	VOCs	< 5	< 5	< 5	< 5		< 5	< 5	< 5	< 5	< 5	< 5	< 5
MW-A3W	26-Jun-03	TPH												
MW-A3W	26-Jun-03	VOCs	< 1	< 1	< 2	< 1		< 1	< 1	< 1	< 1	< 1	< 1	< 1

Note:
All concentrations in ug/L

TA[illegible]3
COMPREHENSIVE ANALYTICAL GROUNDWA[illegible] DATA, AREA 1: RUNWAY PROTECTION ZONE
BOEING TRACT 1, ST. LOUIS, MISSOURI

SAMP_ID	COLL_DATE	GROUP	1,4-DIOXANE	2,2-DICHLOROPROPANE	2-CHLOROETHYL VINYL ETHER	2-CHLOROTOLUENE	2-HEXANONE (MBK)	2-NITROPROPANE	4-CHLOROTOLUENE	ACETONE	ACETONITRILE	ACROLEIN	ACRYLONITRILE	ALLYL CHLORIDE
B40E1W	14-Nov-02	TPH												
B40E1W	14-Nov-02	VOCs		< 1		< 1			< 1					
B40E2W	14-Nov-02	TPH												
B40E2W	14-Nov-02	VOCs		< 1		< 1			< 1					
B40S1W	14-Nov-02	TPH												
B40S1W	14-Nov-02	VOCs		< 1		< 1			< 1					
B40S2W	14-Nov-02	TPH												
B40S2W	14-Nov-02	VOCs		< 1		< 1			< 1					
B40W1W	14-Nov-02	TPH												
B40W1W	14-Nov-02	VOCs		< 1		< 1			< 1					
B45CMW-3AW	02-Jul-03	TPH												
B45CMW-3AW	02-Jul-03	VOCs		< 1	< 50	< 1			< 1	< 50		< 50	< 50	
B45CMW-3BW	26-Jun-03	TPH												
B45CMW-3BW	26-Jun-03	VOCs		< 1	< 50	< 1			< 1	< 50		< 50	< 50	
B45CS1DW	15-Nov-02	TPH												
B45CS1DW	15-Nov-02	VOCs												
B45CS2W	14-Nov-02	TPH												
B45CS2W	14-Nov-02	VOCs												
B45CS3DW	20-Nov-02	TPH												
B45CS3DW	20-Nov-02	VOCs												
B45S1DW	18-Nov-02	TPH												
B45S1DW	18-Nov-02	VOCs												
B45S2W	18-Nov-02	TPH												
B45S2W	18-Nov-02	VOCs												
B45S3W	18-Nov-02	TPH												
B45S3W	18-Nov-02	VOCs												
B45S4W	18-Nov-02	TPH												
B45S4W	18-Nov-02	VOCs												
B45S4W DUP	18-Nov-02	TPH												
B45S4W DUP	18-Nov-02	VOCs												
B45S5DW	19-Nov-02	TPH												
B45S5DW	19-Nov-02	VOCs												
B45S6W	18-Nov-02	TPH												
B45S6W	18-Nov-02	VOCs												
B45S7W	19-Nov-02	TPH												
B45S7W	19-Nov-02	VOCs												
MW-A15W	02-Jul-03	TPH												
MW-A15W	02-Jul-03	VOCs		< 10	< 500	< 10			< 10	< 500		< 500	< 500	
MW-A17W	26-Jun-03	TPH												
MW-A17W	26-Jun-03	VOCs		< 1	< 50	< 1			< 1	60		< 50	< 50	
MW-A18W	26-Jun-03	TPH												
MW-A18W	26-Jun-03	VOCs		< 1	< 50	< 1			< 1	< 50		< 50	< 50	
MW-A18W	29-Jul-03	VOCs	< 5	< 5	< 10	< 5	< 10	< 10	< 5	< 20	< 10	< 10	< 10	< 5
MW-A1W	07-May-01	Metals												
MW-A1W	07-May-01	Dissolved												

TA[illegible]3
COMPREHENSIVE ANALYTICAL GROUNDWA[illegible] DATA, AREA 1: RUNWAY PROTECTION ZONE
BOEING TRACT 1, ST. LOUIS, MISSOURI

SAMP_ID	COLL_DATE	GROUP	1,4-DIOXANE	2,2-DICHLOROPROPANE	2-CHLOROETHYL VINYL ETHER	2-CHLOROTOLUENE	2-HEXANONE (MBK)	2-NITROPROPANE	4-CHLOROTOLUENE	ACETONE	ACETONITRILE	ACROLEIN	ACRYLONITRILE	ALLYL CHLORIDE
MW-A1W	26-Jul-01	Metals												
MW-A1W	26-Jul-01	Dissolved												
MW-A1W	02-Jul-03	TPH												
MW-A1W	02-Jul-03	VOCs												
MW-A22W	01-Nov-02	TPH												
MW-A22W	01-Nov-02	VOCs												
MW-A22W	20-Mar-03	TPH												
MW-A22W	20-Mar-03	VOCs												
MW-A23W	02-Jul-03	TPH												
MW-A23W	02-Jul-03	VOCs												
MW-A23W	29-Jul-03	VOCs	< 5	< 5	< 10	< 5	< 10	< 10	< 5	< 20	< 10	< 10	< 10	< 5
MW-A27W	01-Nov-02	TPH												
MW-A27W	01-Nov-02	VOCs												
MW-A27W	29-Jul-03	VOCs	< 5	< 5	< 10	< 5	< 10	< 10	< 5	< 20	< 10	< 10	< 10	< 5
MW-A3W	26-Jun-03	TPH												
MW-A3W	26-Jun-03	VOCs		< 1	< 50	< 1			< 1	< 50		< 50	< 50	

Note:
All concentrations in ug/L

TA[illegible]-3
COMPREHENSIVE ANALYTICAL GROUNDWATER DATA, AREA 1: RUNWAY PROTECTION ZONE
BOEING TRACT 1, ST. LOUIS, MISSOURI

SAMP_ID	COLL_DATE	GROUP	ARSENIC	ARSENIC, DISSOLVED	BARIUM	BARIUM, DISSOLVED	BENZENE	BROMOBENZENE	BROMOCHLOROMETHANE	BROMODICHLOROMETHANE	BROMOFORM	BROMOMETHANE	CADMIUM	CADMIUM, DISSOLVED
B40E1W	14-Nov-02	TPH												
B40E1W	14-Nov-02	VOCs					< 1	< 1	< 1	< 1	< 1	< 1		
B40E2W	14-Nov-02	TPH												
B40E2W	14-Nov-02	VOCs					< 1	< 1	< 1	< 1	< 1	< 1		
B40S1W	14-Nov-02	TPH												
B40S1W	14-Nov-02	VOCs					< 1	< 1	< 1	< 1	< 1	< 1		
B40S2W	14-Nov-02	TPH												
B40S2W	14-Nov-02	VOCs					< 1	< 1	< 1	< 1	< 1	< 1		
B40W1W	14-Nov-02	TPH												
B40W1W	14-Nov-02	VOCs					< 1	< 1	< 1	< 1	< 1	< 1		
B45CMW-3AW	02-Jul-03	TPH												
B45CMW-3AW	02-Jul-03	VOCs					< 1	< 1		< 1	< 1	< 1		
B45CMW-3BW	26-Jun-03	TPH												
B45CMW-3BW	26-Jun-03	VOCs					< 1	< 1		< 1	< 1	< 1		
B45CS1DW	15-Nov-02	TPH												
B45CS1DW	15-Nov-02	VOCs					< 5							
B45CS2W	14-Nov-02	TPH												
B45CS2W	14-Nov-02	VOCs					< 5							
B45CS3DW	20-Nov-02	TPH												
B45CS3DW	20-Nov-02	VOCs					< 0.5							
B45S1DW	18-Nov-02	TPH												
B45S1DW	18-Nov-02	VOCs					< 5							
B45S2W	18-Nov-02	TPH												
B45S2W	18-Nov-02	VOCs					29.4							
B45S3W	18-Nov-02	TPH												
B45S3W	18-Nov-02	VOCs					23.5							
B45S4W	18-Nov-02	TPH												
B45S4W	18-Nov-02	VOCs					< 5							
B45S4W DUP	18-Nov-02	TPH												
B45S4W DUP	18-Nov-02	VOCs					< 5							
B45S5DW	19-Nov-02	TPH												
B45S5DW	19-Nov-02	VOCs					< 5							
B45S6W	18-Nov-02	TPH												
B45S6W	18-Nov-02	VOCs					< 5							
B45S7W	19-Nov-02	TPH												
B45S7W	19-Nov-02	VOCs					6.7							
MW-A15W	02-Jul-03	TPH												
MW-A15W	02-Jul-03	VOCs					34	< 10		< 10	< 10	< 10		
MW-A17W	26-Jun-03	TPH												
MW-A17W	26-Jun-03	VOCs					< 1	< 1		< 1	< 1	< 1		
MW-A18W	26-Jun-03	TPH												
MW-A18W	26-Jun-03	VOCs					< 1	< 1		< 1	< 1	< 1		
MW-A18W	29-Jul-03	VOCs					< 5	< 5	< 5	< 5	< 5	< 5		
MW-A1W	07-May-01	Metals	44		680								< 2	
MW-A1W	07-May-01	Dissolved		20		470								< 2

TA[illegible]3
COMPREHENSIVE ANALYTICAL GROUNDWATER DATA, AREA 1: RUNWAY PROTECTION ZONE
BOEING TRACT 1, ST. LOUIS, MISSOURI

SAMP_ID	COLL_DATE	GROUP	ARSENIC	ARSENIC, DISSOLVED	BARIUM	BARIUM, DISSOLVED	BENZENE	BROMOBENZENE	BROMOCHLOROMETHANE	BROMODICHLOROMETHANE	BROMOFORM	BROMOMETHANE	CADMIUM	CADMIUM, DISSOLVED
MW-A1W	26-Jul-01	Metals	51		740								J4 2	
MW-A1W	26-Jul-01	Dissolved		27		490								< 2
MW-A1W	02-Jul-03	TPH												
MW-A1W	02-Jul-03	VOCs					< 0.5							
MW-A22W	01-Nov-02	TPH												
MW-A22W	01-Nov-02	VOCs					2							
MW-A22W	20-Mar-03	TPH												
MW-A22W	20-Mar-03	VOCs					1.4							
MW-A23W	02-Jul-03	TPH												
MW-A23W	02-Jul-03	VOCs					28							
MW-A23W	29-Jul-03	VOCs					29	< 5	< 5	< 5	< 5	< 5		
MW-A27W	01-Nov-02	TPH												
MW-A27W	01-Nov-02	VOCs					< 0.5							
MW-A27W	29-Jul-03	VOCs					< 5	< 5	< 5	< 5	< 5	< 5		
MW-A3W	26-Jun-03	TPH												
MW-A3W	26-Jun-03	VOCs					< 1	< 1		< 1	< 1	< 1		

Note:
All concentrations in ug/L

TA[illegible]
COMPREHENSIVE ANALYTICAL GROUNDWATER DATA, AREA 1: RUNWAY PROTECTION ZONE
BOEING TRACT 1, ST. LOUIS, MISSOURI

SAMP_ID	COLL_DATE	GROUP	CARBON DISULFIDE	CARBON TETRACHLORIDE	CHLOROBENZENE	CHLORODIBROMOMETHANE	CHLOROETHANE	CHLOROFORM	CHLOROMETHANE	CHROMIUM	CHROMIUM, DISSOLVED	CIS-1,2-DICHLOROETHENE	CIS-1,3-DICHLOROPROPENE	DIBROMOCHLOROMETHANE
B40E1W	14-Nov-02	TPH												
B40E1W	14-Nov-02	VOCs		< 1	< 1		< 1	< 1	< 1			< 1	< 1	< 1
B40E2W	14-Nov-02	TPH												
B40E2W	14-Nov-02	VOCs		< 1	< 1		< 1	< 1	< 1			< 1	< 1	< 1
B40S1W	14-Nov-02	TPH												
B40S1W	14-Nov-02	VOCs		< 1	< 1		< 1	< 1	< 1			< 1	< 1	< 1
B40S2W	14-Nov-02	TPH												
B40S2W	14-Nov-02	VOCs		< 1	< 1		< 1	< 1	< 1			< 1	< 1	< 1
B40W1W	14-Nov-02	TPH												
B40W1W	14-Nov-02	VOCs		< 1	< 1		< 1	< 1	< 1			< 1	< 1	< 1
B45CMW-3AW	02-Jul-03	TPH												
B45CMW-3AW	02-Jul-03	VOCs		< 1	< 1	< 1	< 1	< 5	< 1			< 1	< 1	
B45CMW-3BW	26-Jun-03	TPH												
B45CMW-3BW	26-Jun-03	VOCs		< 1	< 1	< 1	< 1	< 5	< 1			< 1	< 1	
B45CS1DW	15-Nov-02	TPH												
B45CS1DW	15-Nov-02	VOCs												
B45CS2W	14-Nov-02	TPH												
B45CS2W	14-Nov-02	VOCs												
B45CS3DW	20-Nov-02	TPH												
B45CS3DW	20-Nov-02	VOCs												
B45S1DW	18-Nov-02	TPH												
B45S1DW	18-Nov-02	VOCs												
B45S2W	18-Nov-02	TPH												
B45S2W	18-Nov-02	VOCs												
B45S3W	18-Nov-02	TPH												
B45S3W	18-Nov-02	VOCs												
B45S4W	18-Nov-02	TPH												
B45S4W	18-Nov-02	VOCs												
B45S4W DUP	18-Nov-02	TPH												
B45S4W DUP	18-Nov-02	VOCs												
B45S5DW	19-Nov-02	TPH												
B45S5DW	19-Nov-02	VOCs												
B45S6W	18-Nov-02	TPH												
B45S6W	18-Nov-02	VOCs												
B45S7W	19-Nov-02	TPH												
B45S7W	19-Nov-02	VOCs												
MW-A15W	02-Jul-03	TPH												
MW-A15W	02-Jul-03	VOCs		< 10	< 10	< 10	< 10	< 50	< 10			< 10	< 10	
MW-A17W	26-Jun-03	TPH												
MW-A17W	26-Jun-03	VOCs		< 1	< 1	< 1	< 1	< 5	< 1			< 1	< 1	
MW-A18W	26-Jun-03	TPH												
MW-A18W	26-Jun-03	VOCs		< 1	< 1	< 1	< 1	< 5	< 1			< 1	< 1	
MW-A18W	29-Jul-03	VOCs	< 10	< 5	< 5	< 5	< 5	< 5	< 10			< 5	< 5	
MW-A1W	07-May-01	Metals								16				
MW-A1W	07-May-01	Dissolved									2.6			

TA[illegible]-3
COMPREHENSIVE ANALYTICAL GROUNDWATER DATA, AREA 1: RUNWAY PROTECTION ZONE
BOEING TRACT 1, ST. LOUIS, MISSOURI

SAMP_ID	COLL_DATE	GROUP	CARBON DISULFIDE	CARBON TETRACHLORIDE	CHLOROBENZENE	CHLORODIBROMOMETHANE	CHLOROETHANE	CHLOROFORM	CHLOROMETHANE	CHROMIUM	CHROMIUM, DISSOLVED	CIS-1,2-DICHLOROETHENE	CIS-1,3-DICHLOROPROPENE	DIBROMOCHLOROMETHANE
MW-A1W	26-Jul-01	Metals								21				
MW-A1W	26-Jul-01	Dissolved									2.4			
MW-A1W	02-Jul-03	TPH												
MW-A1W	02-Jul-03	VOCs												
MW-A22W	01-Nov-02	TPH												
MW-A22W	01-Nov-02	VOCs												
MW-A22W	20-Mar-03	TPH												
MW-A22W	20-Mar-03	VOCs												
MW-A23W	02-Jul-03	TPH												
MW-A23W	02-Jul-03	VOCs												
MW-A23W	29-Jul-03	VOCs	< 10	< 5	< 5	< 5	< 5	< 5	< 10			< 5	< 5	
MW-A27W	01-Nov-02	TPH												
MW-A27W	01-Nov-02	VOCs												
MW-A27W	29-Jul-03	VOCs	< 10	< 5	< 5	< 5	< 5	< 5	< 10			< 5	< 5	
MW-A3W	26-Jun-03	TPH												
MW-A3W	26-Jun-03	VOCs		< 1	< 1	< 1	< 1	< 5	< 1			< 1	< 1	

Note:
All concentrations in ug/L

TA[illegible]3
COMPREHENSIVE ANALYTICAL GROUNDWATER DATA, AREA 1: RUNWAY PROTECTION ZONE
BOEING TRACT 1, ST. LOUIS, MISSOURI

SAMP_ID	COLL_DATE	GROUP	DIBROMOMETHANE	DICHLORODIFLUOROMETHANE	DIESEL #1	DIESEL #2	DIESEL (C7-C26)	DI-ISOPROPYL ETHER	ETHYL METHACRYLATE	ETHYLBENZENE	ETHYLENE GLYCOL	GASOLINE (C6-C14)	HEXACHLOROBUTADIENE	HYDRAULIC FLUID (C12-C33)
B40E1W	14-Nov-02	TPH			< 1000	< 1000								
B40E1W	14-Nov-02	VOCs	< 1	< 1						< 1			< 1	
B40E2W	14-Nov-02	TPH			< 1000	< 1000								
B40E2W	14-Nov-02	VOCs	< 1	< 1						< 1			< 1	
B40S1W	14-Nov-02	TPH			< 1000	< 1000								
B40S1W	14-Nov-02	VOCs	< 1	< 1						< 1			< 1	
B40S2W	14-Nov-02	TPH			< 1000	< 1000								
B40S2W	14-Nov-02	VOCs	< 1	< 1						< 1			< 1	
B40W1W	14-Nov-02	TPH			< 1000	< 1000								
B40W1W	14-Nov-02	VOCs	< 1	< 1						< 1			< 1	
B45CMW-3AW	02-Jul-03	TPH					< 100							< 100
B45CMW-3AW	02-Jul-03	VOCs	< 1	< 1				< 1		< 1			< 1	
B45CMW-3BW	26-Jun-03	TPH					< 100							< 100
B45CMW-3BW	26-Jun-03	VOCs	< 1	< 1				< 1		< 1			< 1	
B45CS1DW	15-Nov-02	TPH			< 1000	< 1000						< 1000		
B45CS1DW	15-Nov-02	VOCs								< 5				
B45CS2W	14-Nov-02	TPH			< 1000	< 1000						< 1000		
B45CS2W	14-Nov-02	VOCs								< 5				
B45CS3DW	20-Nov-02	TPH												
B45CS3DW	20-Nov-02	VOCs								< 0.5				
B45S1DW	18-Nov-02	TPH			< 1000	< 1000						< 1000		
B45S1DW	18-Nov-02	VOCs								< 5				
B45S2W	18-Nov-02	TPH			< 1000	< 1000						15310		
B45S2W	18-Nov-02	VOCs								< 5				
B45S3W	18-Nov-02	TPH			< 1000	< 1000						2760		
B45S3W	18-Nov-02	VOCs								< 5				
B45S4W	18-Nov-02	TPH			< 1000	< 1000						< 1000		
B45S4W	18-Nov-02	VOCs								< 5				
B45S4W DUP	18-Nov-02	TPH			< 1000	< 1000						< 1000		
B45S4W DUP	18-Nov-02	VOCs								< 5				
B45S5DW	19-Nov-02	TPH			< 1000	< 1000						< 1000		
B45S5DW	19-Nov-02	VOCs								< 5				
B45S6W	18-Nov-02	TPH			< 1000	< 1000						< 1000		
B45S6W	18-Nov-02	VOCs								< 5				
B45S7W	19-Nov-02	TPH			< 1000	< 1000						41410		
B45S7W	19-Nov-02	VOCs								< 5				
MW-A15W	02-Jul-03	TPH					< 100							< 100
MW-A15W	02-Jul-03	VOCs	< 10	< 10				< 10		< 10			< 10	
MW-A17W	26-Jun-03	TPH					< 100							< 100
MW-A17W	26-Jun-03	VOCs	< 1	< 1				< 1		< 1			< 1	
MW-A18W	26-Jun-03	TPH					< 100							< 100
MW-A18W	26-Jun-03	VOCs	< 1	< 1				< 1		< 1			< 1	
MW-A18W	29-Jul-03	VOCs	< 5	< 5					< 5	< 5	< 10000		< 10	
MW-A1W	07-May-01	Metals												
MW-A1W	07-May-01	Dissolved												

TA[illegible]-3
COMPREHENSIVE ANALYTICAL GROUNDWATER DATA, AREA 1: RUNWAY PROTECTION ZONE
BOEING TRACT 1, ST. LOUIS, MISSOURI

SAMP_ID	COLL_DATE	GROUP	DIBROMOMETHANE	DICHLORODIFLUOROMETHANE	DIESEL #1	DIESEL #2	DIESEL (C7-C26)	DI-ISOPROPYL ETHER	ETHYL METHACRYLATE	ETHYLBENZENE	ETHYLENE GLYCOL	GASOLINE (C6-C14)	HEXACHLOROBUTADIENE	HYDRAULIC FLUID (C12-C33)
MW-A1W	26-Jul-01	Metals												
MW-A1W	26-Jul-01	Dissolved												
MW-A1W	02-Jul-03	TPH					< 500							< 500
MW-A1W	02-Jul-03	VOCs								1				
MW-A22W	01-Nov-02	TPH					< 100							< 100
MW-A22W	01-Nov-02	VOCs								2.8				
MW-A22W	20-Mar-03	TPH												
MW-A22W	20-Mar-03	VOCs								< 0.5				
MW-A23W	02-Jul-03	TPH					< 100							< 100
MW-A23W	02-Jul-03	VOCs								0.64				
MW-A23W	29-Jul-03	VOCs	< 5	< 5					< 5	< 5	< 10000		< 10	
MW-A27W	01-Nov-02	TPH					< 100							< 100
MW-A27W	01-Nov-02	VOCs								< 0.5				
MW-A27W	29-Jul-03	VOCs	< 5	< 5					< 5	< 5	< 10000		< 10	
MW-A3W	26-Jun-03	TPH					< 100							< 100
MW-A3W	26-Jun-03	VOCs	< 1	< 1				< 1		< 1			< 1	

Note:
All concentrations in ug/L

TAB[illegible]3
COMPREHENSIVE ANALYTICAL GROUNDWATER DATA, AREA 1: RUNWAY PROTECTION ZONE
BOEING TRACT 1, ST. LOUIS, MISSOURI

SAMP_ID	COLL_DATE	GROUP	ISOBUTYL ALCOHOL	ISOPROPYL BENZENE	KEROSENE	KEROSENE (C9-C16)	LEAD	LEAD, DISSOLVED	M,P-XYLENE	MERCURY	MERCURY, DISSOLVED	METHACRYLONITRILE	METHYL ETHYL KETONE (MEK)	METHYL IODIDE
B40E1W	14-Nov-02	TPH			< 1000									
B40E1W	14-Nov-02	VOCs		< 1					< 1					
B40E2W	14-Nov-02	TPH			< 1000									
B40E2W	14-Nov-02	VOCs		< 1					< 1					
B40S1W	14-Nov-02	TPH			< 1000									
B40S1W	14-Nov-02	VOCs		< 1					< 1					
B40S2W	14-Nov-02	TPH			< 1000									
B40S2W	14-Nov-02	VOCs		< 1					< 1					
B40W1W	14-Nov-02	TPH			< 1000									
B40W1W	14-Nov-02	VOCs		< 1					< 1					
B45CMW-3AW	02-Jul-03	TPH				< 100								
B45CMW-3AW	02-Jul-03	VOCs		< 1									< 50	
B45CMW-3BW	26-Jun-03	TPH				< 100								
B45CMW-3BW	26-Jun-03	VOCs		< 1									< 50	
B45CS1DW	15-Nov-02	TPH			< 1000									
B45CS1DW	15-Nov-02	VOCs												
B45CS2W	14-Nov-02	TPH			< 1000									
B45CS2W	14-Nov-02	VOCs												
B45CS3DW	20-Nov-02	TPH												
B45CS3DW	20-Nov-02	VOCs												
B45S1DW	18-Nov-02	TPH			< 1000									
B45S1DW	18-Nov-02	VOCs												
B45S2W	18-Nov-02	TPH			< 1000									
B45S2W	18-Nov-02	VOCs												
B45S3W	18-Nov-02	TPH			< 1000									
B45S3W	18-Nov-02	VOCs												
B45S4W	18-Nov-02	TPH			< 1000									
B45S4W	18-Nov-02	VOCs												
B45S4W DUP	18-Nov-02	TPH			< 1000									
B45S4W DUP	18-Nov-02	VOCs												
B45S5DW	19-Nov-02	TPH			< 1000									
B45S5DW	19-Nov-02	VOCs												
B45S6W	18-Nov-02	TPH			< 1000									
B45S6W	18-Nov-02	VOCs												
B45S7W	19-Nov-02	TPH			< 1000									
B45S7W	19-Nov-02	VOCs												
MW-A15W	02-Jul-03	TPH				< 100								
MW-A15W	02-Jul-03	VOCs		14									< 500	
MW-A17W	26-Jun-03	TPH				< 100								
MW-A17W	26-Jun-03	VOCs		< 1									< 50	
MW-A18W	26-Jun-03	TPH				< 100								
MW-A18W	26-Jun-03	VOCs		< 1									< 50	
MW-A18W	29-Jul-03	VOCs	< 10	< 5					< 5			< 5	J 4.2	< 5
MW-A1W	07-May-01	Metals					15			< 0.2				
MW-A1W	07-May-01	Dissolved						< 5			< 0.2			

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COMPREHENSIVE ANALYTICAL GROUNDWATER DATA, AREA 1: RUNWAY PROTECTION ZONE
BOEING TRACT 1, ST. LOUIS, MISSOURI

SAMP_ID	COLL_DATE	GROUP	ISOBUTYL ALCOHOL	ISOPROPYL BENZENE	KEROSENE	KEROSENE (C9-C16)	LEAD	LEAD, DISSOLVED	M,P-XYLENE	MERCURY	MERCURY, DISSOLVED	METHACRYLONITRILE	METHYL ETHYL KETONE (MEK)	METHYL IODIDE
MW-A1W	26-Jul-01	Metals					14			< 0.2				
MW-A1W	26-Jul-01	Dissolved						9.4			< 0.2			
MW-A1W	02-Jul-03	TPH				< 500								
MW-A1W	02-Jul-03	VOCs												
MW-A22W	01-Nov-02	TPH				< 100								
MW-A22W	01-Nov-02	VOCs												
MW-A22W	20-Mar-03	TPH												
MW-A22W	20-Mar-03	VOCs												
MW-A23W	02-Jul-03	TPH				< 100								
MW-A23W	02-Jul-03	VOCs												
MW-A23W	29-Jul-03	VOCs	< 10	26					< 5			< 5	< 5	< 5
MW-A27W	01-Nov-02	TPH				< 100								
MW-A27W	01-Nov-02	VOCs												
MW-A27W	29-Jul-03	VOCs	< 10	< 5					< 5			< 5	< 5	< 5
MW-A3W	26-Jun-03	TPH				< 100								
MW-A3W	26-Jun-03	VOCs		5.5									< 50	

Note:
All concentrations in ug/L

TAB[illegible]3

COMPREHENSIVE ANALYTICAL GROUNDWATER DATA, AREA 1: RUNWAY PROTECTION ZONE

BOEING TRACT 1, ST. LOUIS, MISSOURI

SAMP_ID	COLL_DATE	GROUP	METHYL ISOBUTYL KETONE	METHYL METHACRYLATE	METHYL TERT-BUTYL ETHER	METHYLENE CHLORIDE	MINERAL SPIRITS (C7-C14)	MISC_ TPH (C10-C40)	MOTOR OIL (C16-C33)	NAPHTHALENE	N-BUTYLBENZENE	N-PROPYLBENZENE	O-XYLENE	P-ISOPROPYL TOLUENE
B40E1W	14-Nov-02	TPH							< 1000					
B40E1W	14-Nov-02	VOCs				< 1				< 1	< 1	< 1	< 1	< 1
B40E2W	14-Nov-02	TPH							< 1000					
B40E2W	14-Nov-02	VOCs				< 1				< 1	< 1	< 1	< 1	< 1
B40S1W	14-Nov-02	TPH							< 1000					
B40S1W	14-Nov-02	VOCs				< 1				< 1	< 1	< 1	< 1	< 1
B40S2W	14-Nov-02	TPH							< 1000					
B40S2W	14-Nov-02	VOCs				< 1				< 1	< 1	< 1	< 1	< 1
B40W1W	14-Nov-02	TPH							< 1000					
B40W1W	14-Nov-02	VOCs				< 1				< 1	< 1	< 1	< 1	< 1
B45CMW-3AW	02-Jul-03	TPH					< 100	9500	< 100					
B45CMW-3AW	02-Jul-03	VOCs	< 50		< 5	< 5				< 5	< 1	< 1		1
B45CMW-3BW	26-Jun-03	TPH					< 100	1400	< 100					
B45CMW-3BW	26-Jun-03	VOCs	< 50		< 1	< 5				5.3	< 1	< 1		< 1
B45CS1DW	15-Nov-02	TPH							< 1000					
B45CS1DW	15-Nov-02	VOCs			< 5									
B45CS2W	14-Nov-02	TPH							< 1000					
B45CS2W	14-Nov-02	VOCs			< 5									
B45CS3DW	20-Nov-02	TPH												
B45CS3DW	20-Nov-02	VOCs			< 5									
B45S1DW	18-Nov-02	TPH							< 1000					
B45S1DW	18-Nov-02	VOCs			< 5									
B45S2W	18-Nov-02	TPH							< 1000					
B45S2W	18-Nov-02	VOCs			< 5									
B45S3W	18-Nov-02	TPH							< 1000					
B45S3W	18-Nov-02	VOCs			< 5									
B45S4W	18-Nov-02	TPH							< 1000					
B45S4W	18-Nov-02	VOCs			< 5									
B45S4W DUP	18-Nov-02	TPH							< 1000					
B45S4W DUP	18-Nov-02	VOCs			< 5									
B45S5DW	19-Nov-02	TPH							< 1000					
B45S5DW	19-Nov-02	VOCs			< 5									
B45S6W	18-Nov-02	TPH							< 1000					
B45S6W	18-Nov-02	VOCs			< 5									
B45S7W	19-Nov-02	TPH							< 1000					
B45S7W	19-Nov-02	VOCs			< 5									
MW-A15W	02-Jul-03	TPH					< 100	810	< 100					
MW-A15W	02-Jul-03	VOCs	< 500		<10	< 50				< 50	< 10	12		< 10
MW-A17W	26-Jun-03	TPH					< 100	160	< 100					
MW-A17W	26-Jun-03	VOCs	< 50		< 1	< 5				< 5	< 1	< 1		< 1
MW-A18W	26-Jun-03	TPH					< 100	J3J4 210	< 100					
MW-A18W	26-Jun-03	VOCs	< 50		< 1	< 5				< 5	< 1	< 1		< 1
MW-A18W	29-Jul-03	VOCs	< 10	< 5	< 10	J 4.8				< 10	< 5	< 5	< 5	< 5
MW-A1W	07-May-01	Metals												
MW-A1W	07-May-01	Dissolved												

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COMPREHENSIVE ANALYTICAL GROUNDWATER DATA, AREA 1: RUNWAY PROTECTION ZONE
BOEING TRACT 1, ST. LOUIS, MISSOURI

SAMP_ID	COLL_DATE	GROUP	METHYL ISOBUTYL KETONE	METHYL METHACRYLATE	METHYL TERT-BUTYL ETHER	METHYLENE CHLORIDE	MINERAL SPIRITS (C7-C14)	MISC_TPH (C10-C40)	MOTOR OIL (C16-C33)	NAPHTHALENE	N-BUTYLBENZENE	N-PROPYLBENZENE	O-XYLENE	P-ISOPROPYL TOLUENE
MW-A1W	26-Jul-01	Metals												
MW-A1W	26-Jul-01	Dissolved												
MW-A1W	02-Jul-03	TPH					< 500	19000	< 500					
MW-A1W	02-Jul-03	VOCs			11									
MW-A22W	01-Nov-02	TPH					< 100	840	< 100					
MW-A22W	01-Nov-02	VOCs			< 5									
MW-A22W	20-Mar-03	TPH												
MW-A22W	20-Mar-03	VOCs			< 5									
MW-A23W	02-Jul-03	TPH					< 100	3900	< 100					
MW-A23W	02-Jul-03	VOCs			< 5									
MW-A23W	29-Jul-03	VOCs	< 10	< 5	< 10	J 6				< 10	8.1	31	< 5	< 5
MW-A27W	01-Nov-02	TPH					< 100	1300	< 100					
MW-A27W	01-Nov-02	VOCs			< 5									
MW-A27W	29-Jul-03	VOCs	< 10	< 5	< 10	J 5.5				< 10	< 5	< 5	< 5	< 5
MW-A3W	26-Jun-03	TPH					< 100	9500	< 100					
MW-A3W	26-Jun-03	VOCs	< 50		5.1	< 5				< 5	< 1	7.8		5.4

Note:
All concentrations in ug/L

TA[illegible]3
COMPREHENSIVE ANALYTICAL GROUNDWATER DATA, AREA 1: RUNWAY PROTECTION ZONE
BOEING TRACT 1, ST. LOUIS, MISSOURI

SAMP_ID	COLL_DATE	GROUP	PROPIONITRILE	SEC-BUTYLBENZENE	STODDARD SOLVENT	STYRENE	T-BUTYLBENZENE	TERT-BUTYLBENZENE	TETRACHLOROETHENE	TOLUENE	TPH (GC/FID) HIGH FRACTION	TPH (GC/FID) LOW FRACTION	TRANS-1,2-DICHLOROETHENE	TRANS-1,3-DICHLOROPROPENE
B40E1W	14-Nov-02	TPH			< 1000									
B40E1W	14-Nov-02	VOCs		< 1		< 1		< 1	< 1	< 1			< 1	< 1
B40E2W	14-Nov-02	TPH			< 1000									
B40E2W	14-Nov-02	VOCs		< 1		< 1		< 1	< 1	< 1			< 1	< 1
B40S1W	14-Nov-02	TPH			< 1000									
B40S1W	14-Nov-02	VOCs		< 1		< 1		< 1	< 1	< 1			< 1	< 1
B40S2W	14-Nov-02	TPH			< 1000									
B40S2W	14-Nov-02	VOCs		< 1		< 1		< 1	< 1	< 1			< 1	< 1
B40W1W	14-Nov-02	TPH			< 1000									
B40W1W	14-Nov-02	VOCs		< 1		< 1		< 1	< 1	< 1			< 1	< 1
B45CMW-3AW	02-Jul-03	TPH										220		
B45CMW-3AW	02-Jul-03	VOCs		1.1		< 1		< 1	< 1	< 5			< 1	< 1
B45CMW-3BW	26-Jun-03	TPH										160		
B45CMW-3BW	26-Jun-03	VOCs		< 1		< 1		< 1	< 1	< 5			< 1	< 1
B45CS1DW	15-Nov-02	TPH			< 1000									
B45CS1DW	15-Nov-02	VOCs								< 5				
B45CS2W	14-Nov-02	TPH			< 1000									
B45CS2W	14-Nov-02	VOCs								< 5				
B45CS3DW	20-Nov-02	TPH									< 100	< 100		
B45CS3DW	20-Nov-02	VOCs								< 5				
B45S1DW	18-Nov-02	TPH			< 1000									
B45S1DW	18-Nov-02	VOCs								< 5				
B45S2W	18-Nov-02	TPH			< 1000									
B45S2W	18-Nov-02	VOCs								54.8				
B45S3W	18-Nov-02	TPH			< 1000									
B45S3W	18-Nov-02	VOCs								18.6				
B45S4W	18-Nov-02	TPH			< 1000									
B45S4W	18-Nov-02	VOCs								< 5				
B45S4W DUP	18-Nov-02	TPH			< 1000									
B45S4W DUP	18-Nov-02	VOCs								< 5				
B45S5DW	19-Nov-02	TPH			< 1000									
B45S5DW	19-Nov-02	VOCs								< 5				
B45S6W	18-Nov-02	TPH			< 1000									
B45S6W	18-Nov-02	VOCs								< 5				
B45S7W	19-Nov-02	TPH			< 1000									
B45S7W	19-Nov-02	VOCs								10.1				
MW-A15W	02-Jul-03	TPH										610		
MW-A15W	02-Jul-03	VOCs		< 10		< 10		< 10	< 10	< 50			< 10	< 10
MW-A17W	26-Jun-03	TPH										< 100		
MW-A17W	26-Jun-03	VOCs		< 1		< 1		< 1	< 1	< 5			< 1	< 1
MW-A18W	26-Jun-03	TPH										< 100		
MW-A18W	26-Jun-03	VOCs		< 1		< 1		< 1	< 1	< 5			< 1	< 1
MW-A18W	29-Jul-03	VOCs	< 5	< 5		< 5	< 5		< 5	< 5			< 5	< 5
MW-A1W	07-May-01	Metals												
MW-A1W	07-May-01	Dissolved												

TA[illegible]-3
COMPREHENSIVE ANALYTICAL GROUNDWATER DATA, AREA 1: RUNWAY PROTECTION ZONE
BOEING TRACT 1, ST. LOUIS, MISSOURI

SAMP_ID	COLL_DATE	GROUP	PROPIONITRILE	SEC-BUTYLBENZENE	STODDARD SOLVENT	STYRENE	T-BUTYLBENZENE	TERT-BUTYLBENZENE	TETRACHLOROETHENE	TOLUENE	TPH (GC/FID) HIGH FRACTION	TPH (GC/FID) LOW FRACTION	TRANS-1,2-DICHLOROETHENE	TRANS-1,3-DICHLOROPROPENE
MW-A1W	26-Jul-01	Metals												
MW-A1W	26-Jul-01	Dissolved												
MW-A1W	02-Jul-03	TPH										1900		
MW-A1W	02-Jul-03	VOCs								< 5				
MW-A22W	01-Nov-02	TPH										1700		
MW-A22W	01-Nov-02	VOCs								< 5				
MW-A22W	20-Mar-03	TPH										190		
MW-A22W	20-Mar-03	VOCs								< 5				
MW-A23W	02-Jul-03	TPH										3400		
MW-A23W	02-Jul-03	VOCs								< 5				
MW-A23W	29-Jul-03	VOCs	< 5	12		< 5	< 5		< 5	< 5			< 5	< 5
MW-A27W	01-Nov-02	TPH										< 100		
MW-A27W	01-Nov-02	VOCs								< 5				
MW-A27W	29-Jul-03	VOCs	< 5	< 5		< 5	< 5		< 5	< 5			< 5	< 5
MW-A3W	26-Jun-03	TPH										3800		
MW-A3W	26-Jun-03	VOCs		5.1		< 1		2.3	< 1	< 5			< 1	< 1

Note:
All concentrations in ug/L

TA[illegible]3
COMPREHENSIVE ANALYTICAL GROUNDWATER DATA, AREA 1: RUNWAY PROTECTION ZONE
BOEING TRACT 1, ST. LOUIS, MISSOURI

SAMP_ID	COLL_DATE	GROUP	TRANS-1,4-DICHLORO-2 BUTENE	TRICHLOROETHENE	TRICHLOROFLUOROMETHANE	VINYL ACETATE	VINYL CHLORIDE	XYLENES, TOTAL
B40E1W	14-Nov-02	TPH						
B40E1W	14-Nov-02	VOCs		1.1	< 1		< 1	
B40E2W	14-Nov-02	TPH						
B40E2W	14-Nov-02	VOCs		< 1	< 1		< 1	
B40S1W	14-Nov-02	TPH						
B40S1W	14-Nov-02	VOCs		< 1	< 1		< 1	
B40S2W	14-Nov-02	TPH						
B40S2W	14-Nov-02	VOCs		< 1	< 1		< 1	
B40W1W	14-Nov-02	TPH						
B40W1W	14-Nov-02	VOCs		< 1	< 1		< 1	
B45CMW-3AW	02-Jul-03	TPH						
B45CMW-3AW	02-Jul-03	VOCs		< 1	< 1		< 1	<1.5
B45CMW-3BW	26-Jun-03	TPH						
B45CMW-3BW	26-Jun-03	VOCs		< 1	< 1		< 1	< 3
B45CS1DW	15-Nov-02	TPH						
B45CS1DW	15-Nov-02	VOCs						< 5
B45CS2W	14-Nov-02	TPH						
B45CS2W	14-Nov-02	VOCs						< 5
B45CS3DW	20-Nov-02	TPH						
B45CS3DW	20-Nov-02	VOCs						< 1.5
B45S1DW	18-Nov-02	TPH						
B45S1DW	18-Nov-02	VOCs						< 5
B45S2W	18-Nov-02	TPH						
B45S2W	18-Nov-02	VOCs						< 5
B45S3W	18-Nov-02	TPH						
B45S3W	18-Nov-02	VOCs						< 5
B45S4W	18-Nov-02	TPH						
B45S4W	18-Nov-02	VOCs						< 5
B45S4W DUP	18-Nov-02	TPH						
B45S4W DUP	18-Nov-02	VOCs						< 5
B45S5DW	19-Nov-02	TPH						
B45S5DW	19-Nov-02	VOCs						< 5
B45S6W	18-Nov-02	TPH						
B45S6W	18-Nov-02	VOCs						< 5
B45S7W	19-Nov-02	TPH						
B45S7W	19-Nov-02	VOCs						8.4
MW-A15W	02-Jul-03	TPH						
MW-A15W	02-Jul-03	VOCs		< 10	< 10		< 10	< 30
MW-A17W	26-Jun-03	TPH -						
MW-A17W	26-Jun-03	VOCs		< 1	< 1		< 1	< 3
MW-A18W	26-Jun-03	TPH						
MW-A18W	26-Jun-03	VOCs		< 1	< 1		< 1	< 3
MW-A18W	29-Jul-03	VOCs	< 5	< 5	< 5	< 10	< 5	
MW-A1W	07-May-01	Metals						
MW-A1W	07-May-01	Dissolved						

TA[illegible]3
COMPREHENSIVE ANALYTICAL GROUNDWATER DATA, AREA 1: RUNWAY PROTECTION ZONE
BOEING TRACT 1, ST. LOUIS, MISSOURI

SAMP_ID	COLL_DATE	GROUP	TRANS-1,4-DICHLORO-2 BUTENE	TRICHLORO ETHENE	TRICHLORO FLUOROMETHANE	VINYL ACETATE	VINYL CHLORIDE	XYLENES, TOTAL
MW-A1W	26-Jul-01	Metals						
MW-A1W	26-Jul-01	Dissolved						
MW-A1W	02-Jul-03	TPH						
MW-A1W	02-Jul-03	VOCs						2.1
MW-A22W	01-Nov-02	TPH						
MW-A22W	01-Nov-02	VOCs						11
MW-A22W	20-Mar-03	TPH						
MW-A22W	20-Mar-03	VOCs						< 1.5
MW-A23W	02-Jul-03	TPH						
MW-A23W	02-Jul-03	VOCs						2.6
MW-A23W	29-Jul-03	VOCs	< 5	< 5	< 5	< 10	< 5	
MW-A27W	01-Nov-02	TPH						
MW-A27W	01-Nov-02	VOCs						< 1.5
MW-A27W	29-Jul-03	VOCs	< 5	< 5	< 5	< 10	< 5	
MW-A3W	26-Jun-03	TPH						
MW-A3W	26-Jun-03	VOCs		< 1	< 1		< 1	< 3

Note:
All concentrations in ug/L

TABLE B-4
RANGE OF DETECTION LIMITS FOR CONSTITUENTS IN GROUNDWATER
WITH NO DETECTION FOR AREA 1: RUNWAY PROTECTION ZONE
BOEING TRACT 1, ST. LOUIS, MISSOURI

COC	Maximum	Minimum
#6 FUEL OIL (C10-C32)	<500	<100
1,1,1,2-TETRACHLOROETHANE	<10	<1
1,1,1-TRICHLOROETHANE	<10	<1
1,1,2,2-TETRACHLOROETHANE	<10	<1
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	<10	<1
1,1,2-TRICHLOROETHANE	<10	<1
1,1-DICHLOROETHANE	<10	<1
1,1-DICHLOROETHENE	<10	<1
1,1-DICHLOROPROPENE	<10	<1
1,2,3-TRICHLOROBENZENE	<10	<1
1,2,3-TRICHLOROPROPANE	<10	<1
1,2,4-TRICHLOROBENZENE	<10	<1
1,2-DIBROMO-3-CHLOROPROPANE (DBCP)	<20	<1
1,2-DIBROMOETHANE (EDB)	<10	<1
1,2-DIBROMOMETHANE	<10	<1
1,2-DICHLOROBENZENE	<10	<1
1,2-DICHLOROETHANE	<10	<1
1,2-DICHLOROPROPANE	<10	<1
1,3,5-TRIMETHYLBENZENE	<10	<1
1,3-DICHLOROBENZENE	<10	<1
1,3-DICHLOROPROPANE	<10	<1
1,4-DICHLOROBENZENE	<10	<1
1,4-DIOXANE	<5	<5
2,2-DICHLOROPROPANE	<10	<1
2-CHLOROETHYL VINYL ETHER	<500	<10
2-CHLOROTOLUENE	<10	<1
2-HEXANONE (MBK)	<10	<10
2-NITROPROPANE	<10	<10
4-CHLOROTOLUENE	<10	<1
ACETONITRILE	<10	<10
ACROLEIN	<500	<10
ACRYLONITRILE	<500	<10
ALLYL CHLORIDE	<5	<5
BROMOBENZENE	<10	<1
BROMOCHLOROMETHANE	<5	<1
BROMODICHLOROMETHANE	<10	<1
BROMOFORM	<10	<1
BROMOMETHANE	<10	<1
CADMIUM, DISSOLVED	<2	<2
CARBON DISULFIDE	<10	<10
CARBON TETRACHLORIDE	<10	<1
CHLOROBENZENE	<10	<1
CHLORODIBROMOMETHANE	<10	<1
CHLOROETHANE	<10	<1
CHLOROFORM	<50	<1
CHLOROMETHANE	<10	<1

TABLE B-4
RANGE OF DETECTION LIMITS FOR CONSTITUENTS IN GROUNDWATER
WITH NO DETECTION FOR AREA 1: RUNWAY PROTECTION ZONE
BOEING TRACT 1, ST. LOUIS, MISSOURI

COC	Maximum	Minimum
CIS-1,2-DICHLOROETHENE	<10	<1
CIS-1,3-DICHLOROPROPENE	<10	<1
DIBROMOCHLOROMETHANE	<1	<1
DIBROMOMETHANE	<10	<1
DICHLORODIFLUOROMETHANE	<10	<1
DIESEL #1	<1000	<1000
DIESEL #2	<1000	<1000
DIESEL (C7-C26)	<500	<100
DI-ISOPROPYL ETHER	<10	<1
ETHYL METHACRYLATE	<5	<5
ETHYLENE GLYCOL	<10000	<10000
HEXACHLOROBUTADIENE	<10	<1
HYDRAULIC FLUID (C12-C33)	<500	<100
ISOBUTYL ALCOHOL	<10	<10
KEROSENE	<1000	<1000
KEROSENE (C9-C16)	<500	<100
M,P-XYLENE	<5	<1
MERCURY	<0.2	<0.2
MERCURY, DISSOLVED	<0.2	<0.2
METHACRYLONITRILE	<5	<5
METHYL IODIDE	<5	<5
METHYL ISOBUTYL KETONE	<500	<10
METHYL METHACRYLATE	<5	<5
MINERAL SPIRITS (C7-C14)	<500	<100
MOTOR OIL (C16-C33)	<1000	<100
O-XYLENE	<5	<1
PROPIONITRILE	<5	<5
STODDARD SOLVENT	<1000	<1000
STYRENE	<10	<1
TETRACHLOROETHENE	<10	<1
TPH (GC/FID) HIGH FRACTION	<100	<100
TRANS-1,2-DICHLOROETHENE	<10	<1
TRANS-1,3-DICHLOROPROPENE	<10	<1
TRANS-1,4-DICHLORO-2-BUTENE	<5	<5
TRICHLOROFLUOROMETHANE	<10	<1
VINYL ACETATE	<10	<10
VINYL CHLORIDE	<10	<1

Note:
All concentrations in ug/L

APPENDIX C
AREA 2: DEMOLISHTED AREA
BOEING TRACT 1, ST. LOUIS, MISSOURI

Appendix C-1. Soil Data for Area 2: Demolished Area

Appendix C-2. Groundwater Data for Area 2: Demolished Area

Appendix C-1
Soil Data for Area 2: Demolished Area
Boeing Tract 1, St. Louis, Missouri

Source/Area	GROUP			VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs
	Sample ID	Date	Depth (ft bgs)	1,1-Dichloroethene	1,2-Dichloroethene (Total)	1,2,4-Trimethylbenzene	Acetone	Benzene	Chloroethane	cis-1,2-Dichloroethene	Dichlorodifluoromethane
SWMU 1	H-19-W-A	12/6/1993	0.5-1.0	ND			ND	ND	ND	ND	
	H-19-S-A	12/6/1993	0.5-1.0	ND			ND	ND	ND	ND	
	H-19-N-A	12/6/1993	0.5-1.0	ND			ND	ND	ND	ND	
	H19-E-B	12/6/1993	0.5-1.0	ND			ND	ND	ND	ND	
	H19-E-A	12/6/1993	2.5-3.0	ND			ND	ND	ND	ND	
SWMU 2	H12-E-A	12/6/1993	0.5-1.0	ND			ND	ND	ND	ND	
	H12-E-B	12/6/1993	2.5-3.0	ND			ND	ND	ND	ND	
	H12-S-A	12/6/1993	0.5-1.0	ND			ND	ND	ND	ND	
	H12-S-B	12/6/1993	2.5-3.0	ND			ND	ND	ND	ND	
	H12-DRAIN	12/6/1993	NA	ND			ND	ND	ND	ND	
SWMU 9	1-A	6/28/1988	0.0-0.5	ND			ND	ND	ND	ND	
	1-B	6/28/1988	0.5-1.0	ND			ND	ND	ND	ND	
	1-C	6/28/1988	1.0-1.5	ND			ND	ND	ND	ND	
	1-D	6/28/1988	1.5-2.0	ND			ND	ND	ND	ND	
	1-E	6/28/1988	2.0-2.5	ND			ND	ND	ND	ND	
	1-F	6/28/1988	2.5-3.0	ND			ND	ND	ND	ND	
	2-A	6/28/1988	0.0-0.5	ND			ND	ND	ND	ND	
	2-B	6/28/1988	0.5-1.0	ND			ND	ND	ND	ND	
	2-C	6/28/1988	1.0-1.5	ND			ND	ND	ND	ND	
	2-D	6/28/1988	1.5-2.0	ND			ND	ND	ND	ND	
	2-E	6/28/1988	2.0-2.5	ND			ND	ND	ND	ND	
	2-F	6/28/1988	2.5-3.0	ND			ND	ND	ND	ND	
	3-A	6/28/1988	0.0-0.5	ND			ND	ND	ND	ND	
	3-B	6/28/1988	0.5-1.0	ND			ND	ND	ND	ND	
	3-C	6/28/1988	1.0-1.5	ND			ND	ND	ND	ND	
	3-D	6/28/1988	1.5-2.0	ND			ND	ND	ND	ND	
	3-E	6/28/1988	2.0-2.5	ND			ND	ND	ND	ND	
	3-F	6/28/1988	2.5-3.0	ND			ND	ND	ND	ND	
SWMU 15	U-Tank	8/10/1993	NA	ND			ND	<5000	ND	ND	
	Sidewall	8/10/1993	NA	ND			ND	<5000	ND	ND	
SWMU 17	51A-1	11/1/1994	0.0-1.0	ND			140	ND	ND	ND	
	51B-1	11/1/1994	0.0-1.0	ND			88	ND	ND	ND	
	51A-1	11/1/1994	1.0-2.0	ND			130	ND	ND	ND	
	51B-1	11/1/1994	1.0-2.0	ND			<25	ND	ND	ND	
SWMU 27	52-1	11/1/1994	0.0-1.0	ND			ND	ND	ND	ND	
	52-1	11/1/1994	1.0-2.0	ND			ND	ND	ND	ND	
	52-2	11/1/1994	0.0-1.0	ND			ND	ND	ND	ND	
	52-2	11/1/1994	1.0-2.0	ND			ND	ND	ND	ND	
BUILDING 52 (SWMU 1)	52-H19-S-A	7/1/1995	0.5-2.5								
	52-H19-S-C	7/1/1995	5.0-7.0								
	52-H19-SE-A	7/1/1995	0.5-2.5								
	52-H19-SE-C	7/1/1995	5.0-7.0								
	52-H19-S2-A	7/1/1995	0.5-2.5								
	52-H19-S2-C	7/1/1995	5.0-7.0								
	B-7	1/10/2002	NA					102			
	B-8	1/10/2002	NA					218			
	B-27	1/10/2002	NA					<5			
	B-2002	10/9/2001	6-7.5					225			
	B48E1-8	7/23/2003	8	< 5		< 5	< 20	< 5	< 5	< 5	< 5
	B48I1-7	11/11/2002	7	< 5		< 5		< 5	< 5	< 5	< 5
	B48I2-6	11/11/2002	6	< 5		< 5		< 5	< 5	< 5	< 5
	B48N1-9	11/11/2002	9	< 5		< 5		< 5	< 5	< 5	< 5
	B48S10-7	11/21/2002	7					< 2.5			
	B48S11-3	6/30/2003	3					< 50			
	B48S1-6	11/14/2002	6					307			
	B48S2-5	11/15/2002	5					< 50			
	B48S3-10	11/15/2002	10					98			
	B48S5-6	11/19/2002	6					57			
	B48S6-6	11/19/2002	6					< 50			
	B48S7-7	11/20/2002	7					< 50			
	B48S8-7	11/20/2002	7					125			
	B48S9-8	11/21/2002	8					< 2.5			
	B51W1-6	7/2/2003	6	< 1		< 1		<1	< 1	< 1	4.3
	B51W2-6	7/2/2003	6					< 50			
	B51W3-12	7/23/2002	12	< 5		< 5	< 20	< 5	< 5	< 5	< 5
	B51W4-6	7/23/2002	6	< 5		< 5	< 20	< 5	< 5	< 5	< 5
	MW-7S-14	12/4/2000	14					< 120			

Appendix C-1
Soil Data for Area 2: Demolished Area
Boeing Tract 1, St. Louis, Missouri

Source/Area	GROUP			VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs
	Sample ID	Date	Depth (ft bgs)	1,1-Dichloroethene	1,2-Dichloroethene (Total)	1,2,4-Trimethylbenzene	Acetone	Benzene	Chloroethane	cis-1,2-Dichloroethene	Dichlorodifluoromethane
	SB-1 12-13	2/4/1998	12-13				21			22	
	SB-1 16-17	2/4/1998	16-17				20			88	
	SB-1 2_5-4	2/4/1998	2.5-4				240			< X 3200	
	SB-1 2_5-4 D	2/4/1998	2.5-4				< X 1600			< X 180	
	SB-10 10_5-11_5	4/20/1998	10.5-11.5	< 6.3			< 13	< 6.3	< 13	< 6.3	
	SB-10 14-15	4/20/1998	14-15	< 7.4			180	< 7.4	< 15	< 7.4	
	SB-10 4-5	4/20/1998	4-5	< 6.3			26	< 6.3	< 13	< 6.3	
	SB-12-10	12/4/2000	10	< 310			< 1300	< 310	< 630	< 160	
	SB-13-9	12/4/2000	9	< 6.4			< 26	< 6.4	< 13	19	
	SB-15-9	12/4/2000	9	< 6.5			39	< 6.5	< 13	< 3.2	
	SB-16-9	12/4/2000	9.	< 6.3			34	< 6.3	< 13	< 3.2	
	SB-17-10	12/5/2000	10	< 5	< 5	< 5	< 10	< 5	< 10	< 5	< 10
	SB-18-11	12/5/2000	11	< 5	140	< 5	< 10	< 5	< 10	140	< 10
	SB-18-15	12/5/2000	15	< 50	68000	J 35	130	< 50	J 94	68000	< 100
	SB-2 11-12_5	2/4/1998	11-12.5				< 13			46	
	SB-2 3-4_5	2/4/1998	3-4.5				25			< 6.5	
	SB-20-15	12/6/2000	15	< 5	< 5	< 5	90	< 5	< 10	< 5	< 10
	SB-20-7	12/6/2000	7	< 50	< 50	< 50	< 100	< 50	< 100	< 50	< 100
	SB-21-8	9/5/2001	8	< 50		< 50	< 2500	< 50	< 50	< 50	< 50
	SB-22-8	9/5/2001	8	< 50		< 50	< 2500	< 50	< 50	< 50	< 50
	SB-23-8	9/5/2001	8	< 50		< 50	< 2500	< 50	< 50	< 50	< 50
	SB-24-8	9/5/2001	8	< 50		< 50	< 2500	< 50	< 50	< 50	< 50
	SB-25-6	9/5/2001	6	< 50		< 50	< 2500	< 50	< 50	< 50	< 50
	SB-26-6	9/5/2001	6	< 250		< 250	< 12000	< 250	< 250	< 250	< 250
	SB-27-8	9/5/2001	8	< 5		< 5	< 250	< 5	< 5	< 5	< 5
	SB-28-8	9/5/2001	8	< 100		< 100	< 5000	< 100	< 100	< 100	< 100
	SB-29-8	9/6/2001	8	< 5		< 5	< 250	< 5	< 5	< 5	< 5
	SB-3 10_5-11_5	2/4/1998	10.5-11.5				16			24	
	SB-30-6	9/6/2001	6	< 250		< 250	< 12000	< 250	< 250	< 250	< 250
	SB-31-6	9/6/2001	6	< 5		< 5	< 250	< 5	< 5	< 5	< 5
	SB-32-8	9/6/2001	8	< 5		< 5	< 250	< 5	< 5	< 5	< 5
	SB-33-7	9/6/2001	7	< 5		< 5	< 250	< 5	< 5	< 5	< 5
	SB-34-8	9/6/2001	8	< 5		< 5	< 250	< 5	< 5	< 5	< 5
	SB-35-6	10/15/2001	6	< 5				< 5		< 5	
	SB-37-6	10/15/2001	6	< 5				< 5		< 5	
	SB-38-6	10/15/2001	6	< 5				< 5		< 5	
	SB-39-6	10/15/2001	6	< 5				< 5		< 5	
	SB-39-6 DUP	10/15/2001	6	< 5		< 5	< 250	< 5	< 5	< 5	< 5
	SB-4 11_5-13_5	2/4/1998	11.5-13.5				< 14			E 760	
	SB-4 14-16	2/4/1998	14-16				400			11900	
	SB-4 6-7	2/4/1998	6-7				27000			13	
	SB-40-6	10/15/2001	6	< 5				< 5		< 5	
	SB-40-6 DUP	10/15/2001	6	< 5		< 5	< 250	< 5	< 5	< 5	< 5
	SB-5 14-16	2/4/1998	14-16				< 77			280	
	SB-5 5_5-7	2/4/1998	5.5-7	< 6.5			42	< 6.5	< 13	< 6.5	
	SB-6 9_5-11	2/5/1998	9.5-11	< 6.6			15	< 6.6	< 6.6	< 6.6	
	SB-7 3_5-4_5	2/6/1998	3.5-4.5	< 6.6			68	< 6.6	< 13	< 6.6	
	SB-7 7_5-8_5	2/6/1998	7.5-8.5	< 6.4			35	< 6.4	< 13	< 6.4	
	SB-8 11_5-12_5	2/6/1998	11.5-12.5	< 6.3			25	< 6.3	< 13	10	
	SB-8 6-7	2/6/1998	6-7	< 6.3			30	< 6.3	< 13	< 6.3	
	TP-5-15	12/4/2000	5-15	200	57000	< 5	130	< 5	< 10	57000	< 10
	TP-5-7	12/4/2000	5-7	< 50	500	< 50	< 100	< 50	J 48	500	< 100

Notes:
All concentrations in ug/kg (micrograms per kilogram)
< Less than detection limit shown
Blanks: Not analyzed
ND: Not detected
VOC: Volatile organic compound
TPH: Total petroleum hydrocarbon
ft bgs: Feet below ground surface
NA: Not available
Lab qualifiers in Section 1.0

Appendix C-1
Soil Data for Area 2: Demolished Area
Boeing Tract 1, St. Louis, Missouri

Source/Area	GROUP			VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs
	Sample ID	Date	Depth (ft bgs)	Ethylbenzene	Isopropyl benzene	m,p-Xylene	Methyl ethyl ketone (MEK)	Methylene chloride	Naphthalene	n-Butylbenzene	n-Propylbenzene	o-Xylene
SWMU 1	H-19-W-A	12/6/1993	0.5-1.0	ND			ND	ND	ND			
	H-19-S-A	12/6/1993	0.5-1.0	ND			ND	ND	ND			
	H-19-N-A	12/6/1993	0.5-1.0	ND			ND	ND	ND			
	H19-E-B	12/6/1993	0.5-1.0	ND			ND	ND	ND			
	H19-E-A	12/6/1993	2.5-3.0	ND			ND	ND	ND			
SWMU 2	H12-E-A	12/6/1993	0.5-1.0	ND			ND	ND	ND			
	H12-E-B	12/6/1993	2.5-3.0	ND			ND	ND	ND			
	H12-S-A	12/6/1993	0.5-1.0	ND			ND	ND	ND			
	H12-S-B	12/6/1993	2.5-3.0	ND			ND	ND	ND			
	H12-DRAIN	12/6/1993	NA	ND			ND	ND	ND			
SWMU 9	1-A	6/28/1988	0.0-0.5	ND			ND	ND	ND			
	1-B	6/28/1988	0.5-1.0	ND			ND	ND	ND			
	1-C	6/28/1988	1.0-1.5	ND			ND	ND	ND			
	1-D	6/28/1988	1.5-2.0	ND			ND	ND	ND			
	1-E	6/28/1988	2.0-2.5	ND			ND	ND	ND			
	1-F	6/28/1988	2.5-3.0	ND			ND	ND	ND			
	2-A	6/28/1988	0.0-0.5	ND			ND	ND	ND			
	2-B	6/28/1988	0.5-1.0	ND			ND	ND	ND			
	2-C	6/28/1988	1.0-1.5	ND			ND	ND	ND			
	2-D	6/28/1988	1.5-2.0	ND			ND	ND	ND			
	2-E	6/28/1988	2.0-2.5	ND			ND	ND	ND			
	2-F	6/28/1988	2.5-3.0	ND			ND	ND	ND			
	3-A	6/28/1988	0.0-0.5	ND			ND	ND	ND			
	3-B	6/28/1988	0.5-1.0	ND			ND	ND	ND			
	3-C	6/28/1988	1.0-1.5	ND			ND	ND	ND			
	3-D	6/28/1988	1.5-2.0	ND			ND	ND	ND			
	3-E	6/28/1988	2.0-2.5	ND			ND	ND	ND			
	3-F	6/28/1988	2.5-3.0	ND			ND	ND	ND			
SWMU 15	U-Tank	8/10/1993	NA	<5000			ND	ND	ND			
	Sidewall	8/10/1993	NA	<5000			ND	ND	ND			
SWMU 17	51A-1	11/1/1994	0.0-1.0	ND			ND	ND	ND			
	51B-1	11/1/1994	0.0-1.0	ND			ND	ND	ND			
	51A-1	11/1/1994	1.0-2.0	ND			ND	ND	ND			
	51B-1	11/1/1994	1.0-2.0	ND			ND	ND	ND			
SWMU 27	52-1	11/1/1994	0.0-1.0	ND			ND	ND	ND			
	52-1	11/1/1994	1.0-2.0	ND			ND	ND	ND			
	52-2	11/1/1994	0.0-1.0	ND			ND	ND	ND			
	52-2	11/1/1994	1.0-2.0	ND			ND	ND	ND			
BUILDING 52 (SWMU 1)	52-H19-S-A	7/1/1995	0.5-2.5									
	52-H19-S-C	7/1/1995	5.0-7.0									
	52-H19-SE-A	7/1/1995	0.5-2.5									
	52-H19-SE-C	7/1/1995	5.0-7.0									
	52-H19-S2-A	7/1/1995	0.5-2.5									
	52-H19-S2-C	7/1/1995	5.0-7.0									
	B-7	1/10/2002	NA	25								
	B-8	1/10/2002	NA	28								
	B-27	1/10/2002	NA	<5								
	B-2002	10/9/2001	6-7.5	25								
	B48E1-8	7/23/2003	8	< 5	< 5	< 5	< 5	J 5.8	< 10	< 5	< 5	< 5
	B48I1-7	11/11/2002	7	< 5	< 5	< 5		< 5	< 5	< 5	< 5	< 5
	B48I2-6	11/11/2002	6	< 5	< 5	< 5		< 5	< 5	< 5	< 5	< 5
	B48N1-9	11/11/2002	9	< 5	< 5	< 5		< 5	< 5	< 5	< 5	< 5
	B48S10-7	11/21/2002	7	< 2.5								
	B48S11-3	6/30/2003	3	< 50								
	B48S1-6	11/14/2002	6	227								
	B48S2-5	11/15/2002	5	< 50								
	B48S3-10	11/15/2002	10	346								
	B48S5-6	11/19/2002	6	< 50								
	B48S6-6	11/19/2002	6	< 50								
	B48S7-7	11/20/2002	7	< 50								
	B48S8-7	11/20/2002	7	408								
	B48S9-8	11/21/2002	8	< 2.5								
	B51W1-6	7/2/2003	6	<1	< 1	< 1		< 1	< 1	< 1	< 1	< 1
	B51W2-6	7/2/2003	6	< 50								
	B51W3-12	7/23/2002	12	< 5	< 5	< 5	< 5	J 4.8	< 10	< 5	< 5	< 5
	B51W4-6	7/23/2002	6	< 5	< 5	< 5	< 5	J 5.3	< 10	< 5	< 5	< 5
	MW-7S-14	12/4/2000	14	2700								

Appendix C-1
Soil Data for Area 2: Demolished Area
Boeing Tract 1, St. Louis, Missouri

Source/Area	GROUP			VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs
	Sample ID	Date	Depth (ft bgs)	Ethylbenzene	Isopropyl benzene	m,p-Xylene	Methyl ethyl ketone (MEK)	Methylene chloride	Naphthalene	n-Butylbenzene	n-Propylbenzene	o-Xylene
	SB-1 12-13	2/4/1998	12-13									
	SB-1 16-17	2/4/1998	16-17									
	SB-1 2_5-4	2/4/1998	2.5-4									
	SB-1 2_5-4 D	2/4/1998	2.5-4									
	SB-10 10_5-11_5	4/20/1998	10.5-11.5	< 6.3			< 13	< 6.3				
	SB-10 14-15	4/20/1998	14-15	< 7.4			50	69				
	SB-10 4-5	4/20/1998	4-5	< 6.3			< 13	24				
	SB-12-10	12/4/2000	10	< 310			< 1300	< 310				
	SB-13-9	12/4/2000	9	< 6.4			< 26	20				
	SB-15-9	12/4/2000	9	< 6.5			< 26	26				
	SB-16-9	12/4/2000	9	< 6.3			< 25	27				
	SB-17-10	12/5/2000	10	< 5	< 5	< 5	< 10	B 8	< 5	< 5	< 5	< 5
	SB-18-11	12/5/2000	11	< 5	< 5	< 5	< 10	B 8	< 5	< 5	< 5	< 5
	SB-18-15	12/5/2000	15	400	< 50	1600	< 100	JB 43	< 50	< 50	< 50	540
	SB-2 11-12_5	2/4/1998	11-12.5									
	SB-2 3-4_5	2/4/1998	3-4.5									
	SB-20-15	12/6/2000	15	< 5	5	< 5	36	B 8	< 5	13	8	< 5
	SB-20-7	12/6/2000	7	< 50	110	< 50	< 100	JB 40	< 50	330	250	< 50
	SB-21-8	9/5/2001	8	< 50	< 50		FH 3900	< 250	< 50	< 50	< 50	
	SB-22-8	9/5/2001	8	< 50	< 50		< 2500	< 250	< 50	FH 910	< 50	
	SB-23-8	9/5/2001	8	< 50	< 50		F 3600	< 250	< 50	< 50	< 50	
	SB-24-8	9/5/2001	8	< 50	< 50		FH 4200	< 250	< 50	< 50	< 50	
	SB-25-6	9/5/2001	6	< 50	< 50		F 6100	< 250	< 50	< 50	< 50	
	SB-26-6	9/5/2001	6	< 250	< 250		< 12000	< 1200	< 250	< 250	< 250	
	SB-27-8	9/5/2001	8	< 5	< 5		< 250	< 25	< 5	< 5	< 5	
	SB-28-8	9/5/2001	8	< 100	< 100		< 5000	< 500	< 100	< 100	< 100	
	SB-29-8	9/6/2001	8	< 5	< 5		< 250	< 25	< 5	< 5	< 5	
	SB-3 10_5-11_5	2/4/1998	10.5-11.5									
	SB-30-6	9/6/2001	6	< 250	< 250		< 12000	< 1200	FJ3J4 2100	F 390	< 250	
	SB-31-6	9/6/2001	6	< 5	H 210		< 250	< 25	< 5	EH 1200	EH 420	
	SB-32-8	9/6/2001	8	< 5	< 5		< 250	< 25	< 5	< 5	< 5	
	SB-33-7	9/6/2001	7	< 5	< 5		< 250	< 25	< 5	< 5	< 5	
	SB-34-8	9/6/2001	8	< 5	< 5		< 250	< 25	< 5	< 5	< 5	
	SB-35-6	10/15/2001	6	< 5		< 5		< 5				< 5
	SB-37-6	10/15/2001	6	< 5		< 5		< 5				< 5
	SB-38-6	10/15/2001	6	< 5		< 5		< 5				< 5
	SB-39-6	10/15/2001	6	< 5		< 5		< 5				< 5
	SB-39-6 DUP	10/15/2001	6	< 5	< 5		< 250	< 25	< 5	< 5	< 5	
	SB-4 11_5-13_5	2/4/1998	11.5-13.5									
	SB-4 14-16	2/4/1998	14-16									
	SB-4 6-7	2/4/1998	6-7									
	SB-40-6	10/15/2001	6	< 5		< 5		< 5				< 5
	SB-40-6 DUP	10/15/2001	6	< 5	< 5		< 250	< 25	< 5	< 5	< 5	
	SB-5 14-16	2/4/1998	14-16									
	SB-5 5_5-7	2/4/1998	5.5-7	<6.5		< 18	< 13	< 6.5				< 8.8
	SB-6 9_5-11	2/5/1998	9.5-11	< 8.8		< 18	< 13	< 6.6				< 8.8
	SB-7 3_5-4_5	2/6/1998	3.5-4.5	13			82	6.7				
	SB-7 7_5-8_5	2/6/1998	7.5-8.5	< 6.4			52	6.5				
	SB-8 11_5-12_5	2/6/1998	11.5-12.5	< 6.3			58	< 6.3				
	SB-8 6-7	2/6/1998	6-7	< 6.3			52	6.7				
	TP-5-15	12/4/2000	5-15	49	< 5	140	< 10	B 5	< 5	< 5	< 5	42
	TP-5-7	12/4/2000	5-7	< 50	< 50	< 50	< 100	JB 28	< 50	< 50	< 50	< 50

Notes:
All concentrations in ug/kg (micrograms per kilogram)
< Less than detection limit shown
Blanks: Not analyzed
ND: Not detected
VOC: Volatile organic compound
TPH: Total petroleum hydrocarbon
ft bgs: Feet below ground surface
NA: Not available
Lab qualifiers in Section 1.0

Appendix C-1
Soil Data for Area 2: Demolished Area
Boeing Tract 1, St. Louis, Missouri

Source/Area	GROUP			VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs
	Sample ID	Date	Depth (ft bgs)	p-Isopropyltoluene	sec-Butylbenzene	Tetrachloroethene	Toluene	trans-1,2-Dichloroethene	Trichloroethene	Xylenes, total	Vinyl chloride
SWMU 1	H-19-W-A	12/6/1993	0.5-1.0			ND	ND	ND	ND	ND	ND
	H-19-S-A	12/6/1993	0.5-1.0			ND	ND	ND	ND	ND	ND
	H-19-N-A	12/6/1993	0.5-1.0			ND	ND	ND	ND	ND	ND
	H19-E-B	12/6/1993	0.5-1.0			ND	ND	ND	ND	ND	ND
	H19-E-A	12/6/1993	2.5-3.0			ND	ND	ND	ND	ND	ND
SWMU 2	H12-E-A	12/6/1993	0.5-1.0			ND	ND	ND	ND	ND	ND
	H12-E-B	12/6/1993	2.5-3.0			ND	ND	ND	ND	ND	ND
	H12-S-A	12/6/1993	0.5-1.0			ND	ND	ND	ND	ND	ND
	H12-S-B	12/6/1993	2.5-3.0			ND	ND	ND	ND	ND	ND
	H12-DRAIN	12/6/1993	NA			ND	ND	ND	ND	ND	ND
SWMU 9	1-A	6/28/1988	0.0-0.5			ND	ND	ND	ND	ND	ND
	1-B	6/28/1988	0.5-1.0			ND	ND	ND	ND	ND	ND
	1-C	6/28/1988	1.0-1.5			ND	ND	ND	ND	ND	ND
	1-D	6/28/1988	1.5-2.0			ND	ND	ND	ND	ND	ND
	1-E	6/28/1988	2.0-2.5			ND	ND	ND	ND	ND	ND
	1-F	6/28/1988	2.5-3.0			ND	ND	ND	ND	ND	ND
	2-A	6/28/1988	0.0-0.5			ND	ND	ND	ND	ND	ND
	2-B	6/28/1988	0.5-1.0			ND	ND	ND	ND	ND	ND
	2-C	6/28/1988	1.0-1.5			ND	ND	ND	ND	ND	ND
	2-D	6/28/1988	1.5-2.0			ND	ND	ND	ND	ND	ND
	2-E	6/28/1988	2.0-2.5			ND	ND	ND	ND	ND	ND
	2-F	6/28/1988	2.5-3.0			ND	ND	ND	ND	ND	ND
	3-A	6/28/1988	0.0-0.5			ND	ND	ND	ND	ND	ND
	3-B	6/28/1988	0.5-1.0			ND	ND	ND	ND	ND	ND
	3-C	6/28/1988	1.0-1.5			ND	ND	ND	ND	ND	ND
	3-D	6/28/1988	1.5-2.0			ND	ND	ND	ND	ND	ND
	3-E	6/28/1988	2.0-2.5			ND	ND	ND	ND	ND	ND
	3-F	6/28/1988	2.5-3.0			ND	ND	ND	ND	ND	ND
SWMU 15	U-Tank	8/10/1993	NA			ND	472	ND	ND	3080	ND
	Sidewall	8/10/1993	NA			ND	57	ND	ND	331	ND
SWMU 17	51A-1	11/1/1994	0.0-1.0			290000	ND	44	ND	32	ND
	51B-1	11/1/1994	0.0-1.0			40000	ND	14	ND	11	ND
	51A-1	11/1/1994	1.0-2.0			880	ND	17	ND	<10	ND
	51B-1	11/1/1994	1.0-2.0			760	ND	<12	ND	<12	ND
SWMU 27	52-1	11/1/1994	0.0-1.0			12	ND	ND	ND	ND	ND
	52-1	11/1/1994	1.0-2.0			<14	ND	ND	ND	ND	ND
	52-2	11/1/1994	0.0-1.0			26	ND	ND	ND	ND	ND
	52-2	11/1/1994	1.0-2.0			<15	ND	ND	ND	ND	ND
BUILDING 52 (SWMU 1)	52-H19-S-A	7/1/1995	0.5-2.5								
	52-H19-S-C	7/1/1995	5.0-7.0								
	52-H19-SE-A	7/1/1995	0.5-2.5								
	52-H19-SE-C	7/1/1995	5.0-7.0								
	52-H19-S2-A	7/1/1995	0.5-2.5								
	52-H19-S2-C	7/1/1995	5.0-7.0								
	B-7	1/10/2002	NA				5.3			25	
	B-8	1/10/2002	NA				<10			<25	
	B-27	1/10/2002	NA				<5			58	
	B-2002	10/9/2001	6-7.5				13			<25	
	B48E1-8	7/23/2003	8	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
	B48I1-7	11/11/2002	7	< 5	< 5	< 5	< 5	< 5	< 5		< 5
	B48I2-6	11/11/2002	6	< 5	< 5	< 5	< 5	< 5	< 5		< 5
	B48N1-9	11/11/2002	9	< 5	< 5	< 5	< 5	< 5	< 5		< 5
	B48S10-7	11/21/2002	7				< 25			< 7.5	
	B48S11-3	6/30/2003	3				< 50			< 50	
	B48S1-6	11/14/2002	6				3000			829	
	B48S2-5	11/15/2002	5				< 50			< 50	
	B48S3-10	11/15/2002	10				52			254	
	B48S5-6	11/19/2002	6				354			670	
	B48S6-6	11/19/2002	6				< 50			< 50	
	B48S7-7	11/20/2002	7				76			273	
	B48S8-7	11/20/2002	7				1090			461	
	B48S9-8	11/21/2002	8				< 25			< 7.5	
	B51W1-6	7/2/2003	6	< 1	< 1	< 1	<1	< 1	< 1	< 50	< 1
	B51W2-6	7/2/2003	6				< 50			90	
	B51W3-12	7/23/2002	12	< 5	< 5	10	< 5	< 5	J 2.6	< 5	< 5
	B51W4-6	7/23/2002	6	< 5	< 5	J 3.9	< 5	< 5	< 5	< 5	< 5
	MW-7S-14	12/4/2000	14				1300			5100	

Appendix C-1
Soil Data for Area 2: Demolished Area
Boeing Tract 1, St. Louis, Missouri

Source/Area	GROUP			VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs
	Sample ID	Date	Depth (ft bgs)	p-Isopropyltoluene	sec-Butylbenzene	Tetrachloroethene	Toluene	trans-1,2-Dichloroethene	Trichloroethene	Xylenes, total	Vinyl chloride
	SB-1 12-13	2/4/1998	12-13			9100		< 6.4		< 6.4	
	SB-1 16-17	2/4/1998	16-17			58000		< 6.8		7.7	
	SB-1 2_5-4	2/4/1998	2.5-4			24000		9.6		41	
	SB-1 2_5-4 D	2/4/1998	2.5-4			32000		36		230	
	SB-10 10_5-11_5	4/20/1998	10.5-11.5			< 6.3	< 6.3	< 6.3	64	< 6.3	< 13
	SB-10 14-15	4/20/1998	14-15			< 7.4	< 7.4	24	28	< 7.4	< 15
	SB-10 4-5	4/20/1998	4-5			< 6.3	< 6.3	< 6.3	9.3	< 6.3	< 13
	SB-12-10	12/4/2000	10			< 310	< 310	< 160	< 310	< 310	< 310
	SB-13-9	12/4/2000	9			< 6.4	< 6.4	< 3.2	< 6.4	< 6.4	< 6.4
	SB-15-9	12/4/2000	9			< 6.5	< 6.5	< 3.2	< 6.5	< 6.5	< 6.5
	SB-16-9	12/4/2000	9			< 6.3	< 6.3	< 3.2	< 6.3	< 6.3	< 6.3
	SB-17-10	12/5/2000	10		< 5	B 6	< 5	< 5	< 5	< 5	< 10
	SB-18-11	12/5/2000	11		< 5	800	< 5	< 5	90	< 5	< 10
	SB-18-15	12/5/2000	15		< 50	9300000	1600	< 5000	14000	2100	J 63
	SB-2 11-12_5	2/4/1998	11-12.5			1100		< 6.4		< 6.4	
	SB-2 3-4_5	2/4/1998	3-4.5			18000		< 6.5		< 6.5	
	SB-20-15	12/6/2000	15		8	< 5	< 5	< 5	< 5	< 5	< 10
	SB-20-7	12/6/2000	7		180	< 50	J 26	< 50	< 50	< 50	< 100
	SB-21-8	9/5/2001	8	< 50	FH 97	< 50	< 250	< 50	< 50	< 150	< 50
	SB-22-8	9/5/2001	8	< 50	FHJ3 520	< 50	< 250	< 50	< 50	< 150	< 50
	SB-23-8	9/5/2001	8	< 50	< 50	< 50	< 250	< 50	< 50	< 150	< 50
	SB-24-8	9/5/2001	8	< 50	FH 97	< 50	< 250	< 50	< 50	< 150	< 50
	SB-25-6	9/5/2001	6	< 50	< 50	< 50	< 250	< 50	< 50	< 150	< 50
	SB-26-6	9/5/2001	6	< 250	< 250	< 250	< 1200	< 250	< 250	< 750	< 250
	SB-27-8	9/5/2001	8	< 5	< 5	< 5	< 25	< 5	< 5	< 15	< 5
	SB-28-8	9/5/2001	8	< 100	< 100	< 100	< 500	< 100	< 100	< 300	< 100
	SB-29-8	9/6/2001	8	< 5	H 27	< 5	< 25	< 5	< 5	< 15	< 5
	SB-3 10_5-11_5	2/4/1998	10.5-11.5			3000		< 6.7		< 6.7	
	SB-30-6	9/6/2001	6	< 250	< 250	< 250	< 1200	< 250	< 250	< 750	< 250
	SB-31-6	9/6/2001	6	H 130	EH 540	< 5	< 25	< 5	< 5	< 15	< 5
	SB-32-8	9/6/2001	8	< 5	< 5	< 5	< 25	< 5	< 5	< 15	< 5
	SB-33-7	9/6/2001	7	< 5	< 5	< 5	< 25	< 5	< 5	< 15	< 5
	SB-34-8	9/6/2001	8	< 5	< 5	< 5	< 25	< 5	< 5	< 15	< 5
	SB-35-6	10/15/2001	6			< 5	< 5	< 5	< 5		9.6
	SB-37-6	10/15/2001	6			< 5	< 5	< 5	< 5		< 5
	SB-38-6	10/15/2001	6			< 5	< 5	< 5	< 5		< 5
	SB-39-6	10/15/2001	6			< 5	< 5	< 5	< 5		< 5
	SB-39-6 DUP	10/15/2001	6	< 5	< 5	< 5	< 25	< 5	< 5	< 15	< 5
	SB-4 11_5-13_5	2/4/1998	11.5-13.5			200000		< 7.2		180	
	SB-4 14-16	2/4/1998	14-16			240000		< 19000		< 19000	
	SB-4 6-7	2/4/1998	6-7			12000		< 6.7		< 6.7	
	SB-40-6	10/15/2001	6			< 5	< 5	< 5	< 5		< 5
	SB-40-6 DUP	10/15/2001	6	< 5	< 5	< 5	< 25	< 5	< 5	< 15	< 5
	SB-5 14-16	2/4/1998	14-16			3600		< 38		< 38	
	SB-5 5_5-7	2/4/1998	5.5-7			35	< 6.5	< 6.5	< 6.5	< 6.5	< 13
	SB-6 9_5-11	2/5/1998	9.5-11			< 6.6	< 6.6	< 6.6	< 6.6	< 6.6	< 13
	SB-7 3_5-4_5	2/6/1998	3.5-4.5			4200	20	< 6.6	44	< 6.6	< 13
	SB-7 7_5-8_5	2/6/1998	7.5-8.5			9.7	< 6.4	< 6.4	< 6.4	< 6.4	< 13
	SB-8 11_5-12_5	2/6/1998	11.5-12.5			58	< 6.3	< 6.3	< 6.3	< 6.3	< 13
	SB-8 6-7	2/6/1998	6-7			12	< 6.3	< 6.3	< 6.3	< 6.3	< 13
	TP-5-15	12/4/2000	5-15		< 5	J 440	650	7200	1900	180	J 560
	TP-5-7	12/4/2000	5-7		< 50	1700000	< 50	< 50	2200	< 50	< 100

Notes:
All concentrations in ug/kg (micrograms per kilogram)
< Less than detection limit shown
Blanks: Not analyzed
ND: Not detected
VOC: Volatile organic compound
TPH: Total petroleum hydrocarbon
ft bgs: Feet below ground surface
NA: Not available
Lab qualifiers in Section 1.0

Appendix C-1
Soil Data for Area 2: Demolished Area
Boeing Tract 1, St. Louis, Missouri

Source/Area	GROUP			TPH	TPH	TPH	TPH	TPH	TPH	TPH	TPH
	Sample ID	Date	Depth (ft bgs)	#6 Fuel Oil (C10-C32)	Diesel #1	Diesel #2	Diesel (C7-C26)	Gasoline (C6-C14) GRO	Gasoline Range Organics	Hydraulic Fluid (C12-C33)	Kerosene
SWMU 1	H-19-W-A	12/6/1993	0.5-1.0								
	H-19-S-A	12/6/1993	0.5-1.0								
	H-19-N-A	12/6/1993	0.5-1.0								
	H19-E-B	12/6/1993	0.5-1.0								
	H19-E-A	12/6/1993	2.5-3.0								
SWMU 2	H12-E-A	12/6/1993	0.5-1.0								
	H12-E-B	12/6/1993	2.5-3.0								
	H12-S-A	12/6/1993	0.5-1.0								
	H12-S-B	12/6/1993	2.5-3.0								
	H12-DRAIN	12/6/1993	NA								
SWMU 9	1-A	6/28/1988	0.0-0.5								
	1-B	6/28/1988	0.5-1.0								
	1-C	6/28/1988	1.0-1.5								
	1-D	6/28/1988	1.5-2.0								
	1-E	6/28/1988	2.0-2.5								
	1-F	6/28/1988	2.5-3.0								
	2-A	6/28/1988	0.0-0.5								
	2-B	6/28/1988	0.5-1.0								
	2-C	6/28/1988	1.0-1.5								
	2-D	6/28/1988	1.5-2.0								
	2-E	6/28/1988	2.0-2.5								
	2-F	6/28/1988	2.5-3.0								
	3-A	6/28/1988	0.0-0.5								
	3-B	6/28/1988	0.5-1.0								
	3-C	6/28/1988	1.0-1.5								
	3-D	6/28/1988	1.5-2.0								
	3-E	6/28/1988	2.0-2.5								
	3-F	6/28/1988	2.5-3.0								
SWMU 15	U-Tank	8/10/1993	NA								
	Sidewall	8/10/1993	NA								
SWMU 17	51A-1	11/1/1994	0.0-1.0								
	51B-1	11/1/1994	0.0-1.0								
	51A-1	11/1/1994	1.0-2.0								
	51B-1	11/1/1994	1.0-2.0								
SWMU 27	52-1	11/1/1994	0.0-1.0								
	52-1	11/1/1994	1.0-2.0								
	52-2	11/1/1994	0.0-1.0								
	52-2	11/1/1994	1.0-2.0								
BUILDING 52 (SWMU 1)	52-H19-S-A	7/1/1995	0.5-2.5								
	52-H19-S-C	7/1/1995	5.0-7.0								
	52-H19-SE-A	7/1/1995	0.5-2.5								
	52-H19-SE-C	7/1/1995	5.0-7.0								
	52-H19-S2-A	7/1/1995	0.5-2.5								
	52-H19-S2-C	7/1/1995	5.0-7.0								
	B-7	1/10/2002	NA				4780		4640		
	B-8	1/10/2002	NA				12100		10400		
	B-27	1/10/2002	NA				<6430		<10000		
	B-2002	10/9/2001	6-7.5				45920		15100		
	B48E1-8	7/23/2003	8								
	B48I1-7	11/11/2002	7		< 5000	< 5000					< 5000
	B48I2-6	11/11/2002	6		< 5000	< 5000					< 5000
	B48N1-9	11/11/2002	9		< 5000	< 5000					< 5000
	B48S10-7	11/21/2002	7								
	B48S11-3	6/30/2003	3		< 5000	1330000		13000			< 5000
	B48S1-6	11/14/2002	6		< 5000	< 5000		250000			< 5000
	B48S2-5	11/15/2002	5		< 5000	< 5000		< 5000			< 5000
	B48S3-10	11/15/2002	10		< 5000	< 5000		83000			< 5000
	B48S5-6	11/19/2002	6		< 5000	< 5000		66000			< 5000
	B48S6-6	11/19/2002	6		< 5000	< 5000		< 5000			< 5000
	B48S7-7	11/20/2002	7		< 5000	< 5000		38000			< 5000
	B48S8-7	11/20/2002	7		< 5000	< 5000		133000			< 5000
	B48S9-8	11/21/2002	8								
	B51W1-6	7/2/2003	6		< 5000	< 5000		< 5000			< 5000
	B51W2-6	7/2/2003	6		< 5000	< 5000		27000			< 5000
	B51W3-12	7/23/2002	12								
	B51W4-6	7/23/2002	6								
	MW-7S-14	12/4/2000	14	< 3000			< 3000	< 3000		< 3000	

Appendix C-1
Soil Data for Area 2: Demolished Area
Boeing Tract 1, St. Louis, Missouri

Source/Area	GROUP			TPH	TPH	TPH	TPH	TPH	TPH	TPH	TPH
	Sample ID	Date	Depth (ft bgs)	#6 Fuel Oil (C10-C32)	Diesel #1	Diesel #2	Diesel (C7-C26)	Gasoline (C6-C14) - GRO	Gasoline Range Organics	Hydraulic Fluid (C12-C33)	Kerosene
	SB-1 12-13	2/4/1998	12-13								
	SB-1 16-17	2/4/1998	16-17								
	SB-1 2_5-4	2/4/1998	2.5-4								
	SB-1 2_5-4 D	2/4/1998	2.5-4								
	SB-10 10_5-11_5	4/20/1998	10.5-11.5								
	SB-10 14-15	4/20/1998	14-15								
	SB-10 4-5	4/20/1998	4-5								
	SB-12-10	12/4/2000	10								
	SB-13-9	12/4/2000	9								
	SB-15-9	12/4/2000	9	< 3000			< 3000	< 3000		< 3000	
	SB-16-9	12/4/2000	9	< 3000			< 3000	< 3000		< 3000	
	SB-17-10	12/5/2000	10	< 3000			< 3000	< 3000		< 3000	
	SB-18-11	12/5/2000	11								
	SB-18-15	12/5/2000	15								
	SB-2 11-12_5	2/4/1998	11-12.5								
	SB-2 3-4_5	2/4/1998	3-4.5								
	SB-20-15	12/6/2000	15	< 3000			< 3000	< 3000		< 3000	
	SB-20-7	12/6/2000	7	< 3000			< 3000	< 3000		< 3000	
	SB-21-8	9/5/2001	8	< 400000			< 400000	< 400000		< 400000	
	SB-22-8	9/5/2001	8	< 40000			< 40000	< 40000		< 40000	
	SB-23-8	9/5/2001	8	< 40000			< 40000	< 40000		< 40000	
	SB-24-8	9/5/2001	8	< 40000			< 40000	< 40000		< 40000	
	SB-25-6	9/5/2001	6	< 4000			< 4000	< 4000		< 4000	
	SB-26-6	9/5/2001	6	< 400000			< 400000	< 400000		< 400000	
	SB-27-8	9/5/2001	8	< 4000			< 4000	< 4000		< 4000	
	SB-28-8	9/5/2001	8	< 40000			< 40000	< 40000		< 40000	
	SB-29-8	9/6/2001	8	< 40000			< 40000	< 40000		< 40000	
	SB-3 10_5-11_5	2/4/1998	10.5-11.5								
	SB-30-6	9/6/2001	6	< 40000			< 40000	< 40000		< 40000	
	SB-31-6	9/6/2001	6	< 4000			< 4000	< 4000		< 4000	
	SB-32-8	9/6/2001	8	< 4000			< 4000	< 4000		< 4000	
	SB-33-7	9/6/2001	7	< 4000			< 4000	< 4000		< 4000	
	SB-34-8	9/6/2001	8	< 4000			< 4000	< 4000		< 4000	
	SB-35-6	10/15/2001	6					< 5000			
	SB-37-6	10/15/2001	6					< 5000			
	SB-38-6	10/15/2001	6					< 5000			
	SB-39-6	10/15/2001	6					< 5000			
	SB-39-6 DUP	10/15/2001	6								
	SB-4 11_5-13_5	2/4/1998	11.5-13.5								
	SB-4 14-16	2/4/1998	14-16								
	SB-4 6-7	2/4/1998	6-7								
	SB-40-6	10/15/2001	6					< 5000			
	SB-40-6 DUP	10/15/2001	6	< 4000			< 4000	< 4000		< 4000	
	SB-5 14-16	2/4/1998	14-16								
	SB-5 5_5-7	2/4/1998	5.5-7						180000		
	SB-6 9_5-11	2/5/1998	9.5-11						25000		
	SB-7 3_5-4_5	2/6/1998	3.5-4.5								
	SB-7 7_5-8_5	2/6/1998	7.5-8.5								
	SB-8 11_5-12_5	2/6/1998	11.5-12.5								
	SB-8 6-7	2/6/1998	6-7								
	TP-5-15	12/4/2000	5-15								
	TP-5-7	12/4/2000	5-7								

Notes:
All concentrations in ug/kg (micrograms per kilogram)
< Less than detection limit shown
Blanks: Not analyzed
ND: Not detected
VOC: Volatile organic compound
TPH: Total petroleum hydrocarbon
ft bgs: Feet below ground surface
NA: Not available
Lab qualifiers in Section 1.0

Appendix C-1
Soil Data for Area 2: Demolished Area
Boeing Tract 1, St. Louis, Missouri

Source/Area	GROUP			TPH	TPH	TPH	TPH	TPH	TPH	TPH	TPH
	Sample ID	Date	Depth (ft bgs)	Kerosene (C9-C16)	Mineral Spirits (C7-C14)	Miscellaneous TPH	Motor Oil	Motor Oil (C16-C33)	Stoddard Solvent	Total Extractable Hydrocarbons	TPH (GC/FID) High Fraction
SWMU 1	H-19-W-A	12/6/1993	0.5-1.0								
	H-19-S-A	12/6/1993	0.5-1.0								
	H-19-N-A	12/6/1993	0.5-1.0								
	H19-E-B	12/6/1993	0.5-1.0								
	H19-E-A	12/6/1993	2.5-3.0								
SWMU 2	H12-E-A	12/6/1993	0.5-1.0								
	H12-E-B	12/6/1993	2.5-3.0								
	H12-S-A	12/6/1993	0.5-1.0								
	H12-S-B	12/6/1993	2.5-3.0								
	H12-DRAIN	12/6/1993	NA								
SWMU 9	1-A	6/28/1988	0.0-0.5								
	1-B	6/28/1988	0.5-1.0								
	1-C	6/28/1988	1.0-1.5								
	1-D	6/28/1988	1.5-2.0								
	1-E	6/28/1988	2.0-2.5								
	1-F	6/28/1988	2.5-3.0								
	2-A	6/28/1988	0.0-0.5								
	2-B	6/28/1988	0.5-1.0								
	2-C	6/28/1988	1.0-1.5								
	2-D	6/28/1988	1.5-2.0								
	2-E	6/28/1988	2.0-2.5								
	2-F	6/28/1988	2.5-3.0								
	3-A	6/28/1988	0.0-0.5								
	3-B	6/28/1988	0.5-1.0								
	3-C	6/28/1988	1.0-1.5								
	3-D	6/28/1988	1.5-2.0								
	3-E	6/28/1988	2.0-2.5								
	3-F	6/28/1988	2.5-3.0								
SWMU 15	U-Tank	8/10/1993	NA								
	Sidewall	8/10/1993	NA								
SWMU 17	51A-1	11/1/1994	0.0-1.0								
	51B-1	11/1/1994	0.0-1.0								
	51A-1	11/1/1994	1.0-2.0								
	51B-1	11/1/1994	1.0-2.0								
SWMU 27	52-1	11/1/1994	0.0-1.0								
	52-1	11/1/1994	1.0-2.0								
	52-2	11/1/1994	0.0-1.0								
	52-2	11/1/1994	1.0-2.0								
BUILDING 52 (SWMU 1)	52-H19-S-A	7/1/1995	0.5-2.5								
	52-H19-S-C	7/1/1995	5.0-7.0								
	52-H19-SE-A	7/1/1995	0.5-2.5								
	52-H19-SE-C	7/1/1995	5.0-7.0								
	52-H19-S2-A	7/1/1995	0.5-2.5								
	52-H19-S2-C	7/1/1995	5.0-7.0								
	B-7	1/10/2002	NA								
	B-8	1/10/2002	NA								
	B-27	1/10/2002	NA								
	B-2002	10/9/2001	6-7.5								
	B48E1-8	7/23/2003	8					< 5000	< 5000		
	B48I1-7	11/11/2002	7					< 5000	< 5000		
	B48I2-6	11/11/2002	6					< 5000	< 5000		
	B48N1-9	11/11/2002	9								38000
	B48S10-7	11/21/2002	7				34000		< 5000		
	B48S11-3	6/30/2003	3					47000	< 5000		
	B48S1-6	11/14/2002	6					< 5000	< 5000		
	B48S2-5	11/15/2002	5					< 5000	< 5000		
	B48S3-10	11/15/2002	10					< 5000	< 5000		
	B48S5-6	11/19/2002	6					< 5000	< 5000		
	B48S6-6	11/19/2002	6					< 5000	< 5000		
	B48S7-7	11/20/2002	7					< 5000	< 5000		
	B48S8-7	11/20/2002	7								38000
	B48S9-8	11/21/2002	8				< 5000		< 5000		
	B51W1-6	7/2/2003	6				< 5000		< 5000		
	B51W2-6	7/2/2003	6								
	B51W3-12	7/23/2002	12								
	B51W4-6	7/23/2002	6								
	MW-7S-14	12/4/2000	14	< 3000	< 3000			< 3000			

Appendix C-1
Soil Data for Area 2: Demolished Area
Boeing Tract 1, St. Louis, Missouri

Source/Area	GROUP			TPH	TPH	TPH	TPH	TPH	TPH	TPH	TPH
	Sample ID	Date	Depth (ft bgs)	Kerosene (C9-C16)	Mineral Spirits (C7-C14)	Miscellaneous TPH	Motor Oil	Motor Oil (C16-C33)	Stoddard Solvent	Total Extractable Hydrocarbons	TPH (GC/FID) High Fraction
	SB-1 12-13	2/4/1998	12-13								
	SB-1 16-17	2/4/1998	16-17								
	SB-1 2_5-4	2/4/1998	2.5-4								
	SB-1 2_5-4 D	2/4/1998	2.5-4								
	SB-10 10_5-11_5	4/20/1998	10.5-11.5								
	SB-10 14-15	4/20/1998	14-15								
	SB-10 4-5	4/20/1998	4-5								
	SB-12-10	12/4/2000	10								
	SB-13-9	12/4/2000	9								
	SB-15-9	12/4/2000	9	< 3000	< 3000			< 3000			
	SB-16-9	12/4/2000	9	< 3000	< 3000			< 3000			
	SB-17-10	12/5/2000	10	< 3000	< 3000			< 3000			
	SB-18-11	12/5/2000	11								
	SB-18-15	12/5/2000	15								
	SB-2 11-12_5	2/4/1998	11-12.5								
	SB-2 3-4_5	2/4/1998	3-4.5								
	SB-20-15	12/6/2000	15	< 3000	< 3000			< 3000			
	SB-20-7	12/6/2000	7	< 3000	< 3000			< 3000			
	SB-21-8	9/5/2001	8	< 400000	< 400000	F 1100000		< 400000			
	SB-22-8	9/5/2001	8	< 40000	< 40000	F 740000		< 40000			
	SB-23-8	9/5/2001	8	< 40000	< 40000	F 310000		< 40000			
	SB-24-8	9/5/2001	8	< 40000	< 40000	F 270000		< 40000			
	SB-25-6	9/5/2001	6	< 4000	< 4000	9300		< 4000			
	SB-26-6	9/5/2001	6	< 400000	< 400000	F 1400000		< 400000			
	SB-27-8	9/5/2001	8	< 4000	< 4000	16000		< 4000			
	SB-28-8	9/5/2001	8	< 40000	< 40000	F 180000		< 40000			
	SB-29-8	9/6/2001	8	< 40000	< 40000	F 970000		< 40000			
	SB-3 10_5-11_5	2/4/1998	10.5-11.5								
	SB-30-6	9/6/2001	6	< 40000	< 40000	F 1400000		< 40000			
	SB-31-6	9/6/2001	6	< 4000	< 4000	110000		16000			
	SB-32-8	9/6/2001	8	< 4000	< 4000	88000		< 4000			
	SB-33-7	9/6/2001	7	< 4000	< 4000	5500		< 4000			
	SB-34-8	9/6/2001	8	< 4000	< 4000	4500		< 4000			
	SB-35-6	10/15/2001	6								
	SB-37-6	10/15/2001	6								
	SB-38-6	10/15/2001	6								
	SB-39-6	10/15/2001	6								
	SB-39-6 DUP	10/15/2001	6								
	SB-4 11_5-13_5	2/4/1998	11.5-13.5								
	SB-4 14-16	2/4/1998	14-16								
	SB-4 6-7	2/4/1998	6-7								
	SB-40-6	10/15/2001	6								
	SB-40-6 DUP	10/15/2001	6	< 4000	< 4000	< 4000		< 4000			
	SB-5 14-16	2/4/1998	14-16								
	SB-5 5_5-7	2/4/1998	5.5-7							1900000	
	SB-6 9_5-11	2/5/1998	9.5-11							450000	
	SB-7 3_5-4_5	2/6/1998	3.5-4.5								
	SB-7 7_5-8_5	2/6/1998	7.5-8.5								
	SB-8 11_5-12_5	2/6/1998	11.5-12.5								
	SB-8 6-7	2/6/1998	6-7								
	TP-5-15	12/4/2000	5-15								
	TP-5-7	12/4/2000	5-7								

Notes:
All concentrations in ug/kg (micrograms per kilogram)
< Less than detection limit shown
Blanks: Not analyzed
ND: Not detected
VOC: Volatile organic compound
TPH: Total petroleum hydrocarbon
ft bgs: Feet below ground surface
NA: Not available
Lab qualifiers in Section 1.0

Appendix C-1
Soil Data for Area 2: Demolished Area
Boeing Tract 1, St. Louis, Missouri

Source/Area	GROUP			TPH	TPH	TPH	TPH	TPH	TPH	TPH	Metals	Metals
	Sample ID	Date	Depth (ft bgs)	TPH as Diesel	TPH as Gasoline	TPH as Hydraulic Fluid	TPH as Jet Fuel	TPH as Kerosene	TPH as Mineral Spirits	TPH as Motor Oil	Arsenic	Barium
SWMU 1	H-19-W-A	12/6/1993	0.5-1.0								3050	9330
	H-19-S-A	12/6/1993	0.5-1.0								33000	5010
	H-19-N-A	12/6/1993	0.5-1.0								2220	3370
	H19-E-B	12/6/1993	0.5-1.0								2450	9350
	H19-E-A	12/6/1993	2.5-3.0								2030	1210
SWMU 2	H12-E-A	12/6/1993	0.5-1.0								570	2220
	H12-E-B	12/6/1993	2.5-3.0								2180	1760
	H12-S-A	12/6/1993	0.5-1.0								7760	1490
	H12-S-B	12/6/1993	2.5-3.0								2140	133000
	H12-DRAIN	12/6/1993	NA								5840	133000
SWMU 9	1-A	6/28/1988	0.0-0.5								ND	ND
	1-B	6/28/1988	0.5-1.0								ND	ND
	1-C	6/28/1988	1.0-1.5								ND	ND
	1-D	6/28/1988	1.5-2.0								ND	ND
	1-E	6/28/1988	2.0-2.5								ND	ND
	1-F	6/28/1988	2.5-3.0								ND	ND
	2-A	6/28/1988	0.0-0.5								ND	ND
	2-B	6/28/1988	0.5-1.0								ND	ND
	2-C	6/28/1988	1.0-1.5								ND	ND
	2-D	6/28/1988	1.5-2.0								ND	ND
	2-E	6/28/1988	2.0-2.5								ND	ND
	2-F	6/28/1988	2.5-3.0								ND	ND
	3-A	6/28/1988	0.0-0.5								ND	ND
	3-B	6/28/1988	0.5-1.0								ND	ND
	3-C	6/28/1988	1.0-1.5								ND	ND
	3-D	6/28/1988	1.5-2.0								ND	ND
	3-E	6/28/1988	2.0-2.5								ND	ND
	3-F	6/28/1988	2.5-3.0								ND	ND
SWMU 15	U-Tank	8/10/1993	NA								ND	ND
	Sidewall	8/10/1993	NA								ND	ND
SWMU 17	51A-1	11/1/1994	0.0-1.0								9900	46200
	51B-1	11/1/1994	0.0-1.0								4090	21000
	51A-1	11/1/1994	1.0-2.0								46300	183000
	51B-1	11/1/1994	1.0-2.0								43100	219000
SWMU 27	52-1	11/1/1994	0.0-1.0								30700	201000
	52-1	11/1/1994	1.0-2.0								34500	254000
	52-2	11/1/1994	0.0-1.0								60400	129000
	52-2	11/1/1994	1.0-2.0								29900	173000
BUILDING 52 (SWMU 1)	52-H19-S-A	7/1/1995	0.5-2.5								4790	
	52-H19-S-C	7/1/1995	5.0-7.0								9110	
	52-H19-SE-A	7/1/1995	0.5-2.5								8080	
	52-H19-SE-C	7/1/1995	5.0-7.0								<1000	
	52-H19-S2-A	7/1/1995	0.5-2.5								<1000	
	52-H19-S2-C	7/1/1995	5.0-7.0								5630	
	B-7	1/10/2002	NA									
	B-8	1/10/2002	NA									
	B-27	1/10/2002	NA									
	B-2002	10/9/2001	6-7.5									
	B48E1-8	7/23/2003	8	< 4319	< 1000	< 6479	< 4319	< 2591	< 4319	< 6479		
	B48I1-7	11/11/2002	7									
	B48I2-6	11/11/2002	6									
	B48N1-9	11/11/2002	9									
	B48S10-7	11/21/2002	7									
	B48S11-3	6/30/2003	3									
	B48S1-6	11/14/2002	6									
	B48S2-5	11/15/2002	5									
	B48S3-10	11/15/2002	10									
	B48S5-6	11/19/2002	6									
	B48S6-6	11/19/2002	6									
	B48S7-7	11/20/2002	7									
	B48S8-7	11/20/2002	7									
	B48S9-8	11/21/2002	8									
	B51W1-6	7/2/2003	6									
	B51W2-6	7/2/2003	6									
	B51W3-12	7/23/2002	12	< 4166	< 1000	< 6249	< 4166	< 2499	< 4166	< 6249		
	B51W4-6	7/23/2002	6	< 4291	< 1000	< 6437	< 4291	< 2574	< 4291	< 6437		
	MW-7S-14	12/4/2000	14									

Appendix C-1
Soil Data for Area 2: Demolished Area
Boeing Tract 1, St. Louis, Missouri

Source/Area	GROUP			TPH	TPH	TPH	TPH	TPH	TPH	TPH	Metals	Metals
	Sample ID	Date	Depth (ft bgs)	TPH as Diesel	TPH as Gasoline	TPH as Hydraulic Fluid	TPH as Jet Fuel	TPH as Kerosene	TPH as Mineral Spirits	TPH as Motor Oil	Arsenic	Barium
	SB-1 12-13	2/4/1998	12-13								20000	100000
	SB-1 16-17	2/4/1998	16-17								15000	110000
	SB-1 2_5-4	2/4/1998	2.5-4								10000	210000
	SB-1 2_5-4 D	2/4/1998	2.5-4								< 6.4	160
	SB-10 10_5-11_5	4/20/1998	10.5-11.5									
	SB-10 14-15	4/20/1998	14-15									
	SB-10 4-5	4/20/1998	4-5									
	SB-12-10	12/4/2000	10									
	SB-13-9	12/4/2000	9									
	SB-15-9	12/4/2000	9	470000								
	SB-16-9	12/4/2000	9	10400								
	SB-17-10	12/5/2000	10									
	SB-18-11	12/5/2000	11									
	SB-18-15	12/5/2000	15									
	SB-2 11-12_5	2/4/1998	11-12.5								11000	80000
	SB-2 3-4_5	2/4/1998	3-4.5								10000	310000
	SB-20-15	12/6/2000	15	99600								
	SB-20-7	12/6/2000	7	900000								
	SB-21-8	9/5/2001	8									
	SB-22-8	9/5/2001	8									
	SB-23-8	9/5/2001	8									
	SB-24-8	9/5/2001	8									
	SB-25-6	9/5/2001	6									
	SB-26-6	9/5/2001	6									
	SB-27-8	9/5/2001	8									
	SB-28-8	9/5/2001	8									
	SB-29-8	9/6/2001	8									
	SB-3 10_5-11_5	2/4/1998	10.5-11.5								< 6600	170000
	SB-30-6	9/6/2001	6									
	SB-31-6	9/6/2001	6									
	SB-32-8	9/6/2001	8									
	SB-33-7	9/6/2001	7									
	SB-34-8	9/6/2001	8									
	SB-35-6	10/15/2001	6	< 5000						< 5000		
	SB-37-6	10/15/2001	6	< 5000						< 5000		
	SB-38-6	10/15/2001	6	< 5000						< 5000		
	SB-39-6	10/15/2001	6	< 5000						< 5000		
	SB-39-6 DUP	10/15/2001	6									
	SB-4 11_5-13_5	2/4/1998	11.5-13.5								< 7200	79000
	SB-4 14-16	2/4/1998	14-16								9700	86000
	SB-4 6-7	2/4/1998	6-7								20000	130000
	SB-40-6	10/15/2001	6	< 5000						< 5000		
	SB-40-6 DUP	10/15/2001	6									
	SB-5 14-16	2/4/1998	14-16								< 7600	82000
	SB-5 5_5-7	2/4/1998	5.5-7									
	SB-6 9_5-11	2/5/1998	9.5-11									
	SB-7 3_5-4_5	2/6/1998	3.5-4.5									
	SB-7 7_5-8_5	2/6/1998	7.5-8.5									
	SB-8 11_5-12_5	2/6/1998	11.5-12.5									
	SB-8 6-7	2/6/1998	6-7									
	TP-5-15	12/4/2000	5-15									
	TP-5-7	12/4/2000	5-7									

Notes:
All concentrations in ug/kg (micrograms per kilogram)
< Less than detection limit shown
Blanks: Not analyzed
ND: Not detected
VOC: Volatile organic compound
TPH: Total petroleum hydrocarbon
ft bgs: Feet below ground surface
NA: Not available
Lab qualifiers in Section 1.0

App

Groundwater Data for A: Demolished Area

Boeing Tract 1, St. Louis, Missouri

Sample ID	Collected Date	Group	#6 Fuel Oil (C10-C32)	1,1,1-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	1,2,3-Trimethylbenzene	1,2,4-Trimethylbenzene	1,2-Dichloroethene (Total)	Acetone	Aluminum, Dissolved	Arsenic	Arsenic, Dissolved	Barium	Barium, Dissolved	Benzene	Cadmium	Chromium	Chromium, Dissolved
B48E1W	23-Jul-03	Metals																	
B48E1W	23-Jul-03	TPH														< 5			
B48E1W	23-Jul-03	VOCs		< 5	< 5	< 5		< 5		< 20									
B48I1W	11-Nov-02	TPH														< 5			
B48I1W	11-Nov-02	VOCs		< 5	< 5	< 5		< 5											
B48I2W	11-Nov-02	TPH														< 5			
B48I2W	11-Nov-02	VOCs		< 5	< 5	< 5		< 5											
B48N1W	11-Nov-02	TPH														< 5			
B48N1W	11-Nov-02	VOCs		< 5	< 5	< 5		< 5											
B48N1W	11-Dec-02	TPH														< 1			
B48N1W	11-Dec-02	VOCs		< 1	< 1	< 1		< 1		< 50									
B48N1W	21-Mar-03	TPH														< 1			
B48N1W	21-Mar-03	VOCs		< 1	< 1	< 1		< 1		< 50									
B48N1W	27-Jun-03	TPH	< 100													< 1			
B48N1W	27-Jun-03	VOCs		< 1	< 1	< 1	< 1	< 1		< 50									
B48S10W	21-Nov-02	TPH														< 0.5			
B48S10W	21-Nov-02	VOCs																	
B48S11W	1-Jul-03	TPH														< 5			
B48S11W	1-Jul-03	VOCs																	
B48S1W	14-Nov-02	TPH														569			
B48S1W	14-Nov-02	VOCs																	
B48S2W	15-Nov-02	TPH														921			
B48S2W	15-Nov-02	VOCs																	
B48S3W	15-Nov-02	TPH														14.6			
B48S3W	15-Nov-02	VOCs																	
B48S5W	19-Nov-02	TPH														24.8			
B48S5W	19-Nov-02	VOCs																	
B48S6W	19-Nov-02	TPH														< 5			
B48S6W	19-Nov-02	VOCs																	
B48S7W	20-Nov-02	TPH														B 25.7			
B48S7W	20-Nov-02	VOCs																	
B48S8W	20-Nov-02	TPH														B 22.2			
B48S8W	20-Nov-02	VOCs																	
B48S9W	21-Nov-02	TPH														0.61			
B48S9W	21-Nov-02	VOCs																	
B51W1W	2-Jul-03	TPH														< 5			
B51W1W	2-Jul-03	VOCs		< 2	< 2	< 2		< 2											
B51W2W	2-Jul-03	TPH																	
B51W2W-2004	30-Apr-04	TPH														60.9			
B51W2W	2-Jul-03	VOCs																	
B51W3W	24-Jul-03	Metals																	
B51W3W	24-Jul-03	TPH														< 5			
B51W3W	24-Jul-03	VOCs		< 5	< 5	< 5		< 5		< 20						< 5			
B51W3W DUP	24-Jul-03	VOCs		< 5	< 5	< 5		< 5		< 20									
B51W4W	23-Jul-03	Metals																	
B51W4W	23-Jul-03	Metals, Dissolved																	
B51W4W	23-Jul-03	TPH														< 5			
B51W4W	23-Jul-03	VOCs		< 5	< 5	< 5		< 5		< 20									
MW-10S	20-Feb-01	TPH	< 100																
MW10S-DIS-2004	4-May-04	TPH														< 1			
MW-10S	20-Feb-01	VOCs		< 1	< 1	< 1		< 1		< 50									
MW-10S	27-Jul-01	TPH														< 1			
MW-10S	27-Jul-01	VOCs		< 1	< 1	< 1		< 1		< 50									
MW-10S	29-Oct-01	TPH														< 1000			
MW-10S	29-Oct-01	VOCs		< 1000	< 1000	< 1000		< 1000		< 50000									
MW-10S	19-Dec-01	TPH														< 1			
MW-10S	19-Dec-01	VOCs		< 1	< 1	< 1		< 1		< 50									
MW-10S	5-Mar-02	TPH																	

Appe

Groundwater Data for Area 2: Demolished Area
Boeing Tract 1, St. Louis, Missouri

Sample ID	Collected Date	Group	#6 Fuel Oil (C10-C32)	1,1,1-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	1,2,3-Trimethylbenzene	1,2,4-Trimethylbenzene	1,2-Dichloroethene (Total)	Acetone	Aluminum, Dissolved	Arsenic	Arsenic, Dissolved	Barium	Barium, Dissolved	Benzene	Cadmium	Chromium	Chromium, Dissolved
MW-10S	5-Mar-02	VOCs		< 5	< 5	< 5		< 5		< 250						< 5			
MW-10S	3-Jun-02	TPH																	
MW-10S	3-Jun-02	VOCs		< 1	< 1	< 1		< 1		< 50						< 1			
MW-10S	17-Jun-03	TPH	< 1000																
MW-10S	17-Jun-03	VOCs		< 1	< 1	< 1	< 1	< 1		< 50						< 1			
MW-11S	20-Feb-01	TPH	< 100																
MW-11S	20-Feb-01	VOCs		< 1	< 1	< 1		< 1		< 50						< 1			
MW-11S	25-Jul-01	TPH																	
MW-11S	25-Jul-01	VOCs		< 1	< 1	< 1		< 1		< 50						< 1			
MW-11S	29-Oct-01	TPH																	
MW-11S	29-Oct-01	VOCs		< 1	< 1	< 1		< 1		< 50						< 1			
MW-11S	17-Dec-01	TPH																	
MW-11S	17-Dec-01	VOCs		< 1	< 1	< 1		< 1		< 50						< 1			
MW-11S	5-Mar-02	TPH																	
MW-11S	5-Mar-02	VOCs		< 1	< 1	< 1		< 1		< 50						< 1			
MW-11S	3-Jun-02	TPH																	
MW-11S	3-Jun-02	VOCs		< 1	< 1	< 1		< 1		< 50						< 1			
MW-11S	13-Aug-02	TPH																	
MW-11S	13-Aug-02	VOCs		< 1	< 1	< 1		< 1		< 50						< 1			
MW-11S	5-Dec-02	TPH																	
MW-11S	5-Dec-02	VOCs		< 1	< 1	< 1		< 1		< 50						< 1			
MW-11S	12-Mar-03	TPH																	
MW-11S	12-Mar-03	VOCs		< 1	< 1	< 1		< 1		< 50						< 1			
MW-11S	17-Jun-03	TPH	< 100																
MW-11S	17-Jun-03	VOCs		< 1	< 1	< 1	28	< 1		< 50						< 1			
MW-6S	21-Apr-98	VOCs			< 5	9.3				18						< 5			
MW-6S	22-Feb-01	TPH	< 100																
MW-6S	22-Feb-01	VOCs		< 10	< 10	< 10		< 10		< 500						< 10			
MW-6S	27-Jul-01	TPH																	
MW-6S	27-Jul-01	VOCs		< 1	< 1	< 1		< 1		< 50						< 1			
MW-6S	26-Oct-01	TPH																	
MW-6S	19-Dec-01	TPH																	
MW-6S	19-Dec-01	VOCs		< 1	< 1	< 1		< 1		< 50						< 1			
MW-6S	8-Mar-02	TPH																	
MW-6S	8-Mar-02	VOCs		< 1	< 1	< 1		< 1		< 50						< 1			
MW-6S	30-May-02	TPH																	
MW-6S	30-May-02	VOCs		< 5	< 5	< 5		< 5		< 250						< 5			
MW-6S	19-Jun-03	TPH	< 100																
MW-6S	19-Jun-03	VOCs		< 1	< 1	< 1	< 1	< 1		< 50						< 1			
MW-7S	22-Feb-01	TPH	< 100																
MW-7S-2004	4-May-04	TPH																	
MW-7S	22-Feb-01	VOCs		< 500	< 500	< 500		< 500		< 25000						< 500			
MW-7S	27-Jul-01	TPH																	
MW-7S	27-Jul-01	VOCs		< 10000	< 10000	< 10000		< 10000		< 500000						< 10000			
MW-7S	30-Oct-01	TPH																	
MW-7S	30-Oct-01	VOCs		< 2000	< 2000	< 2000		< 2000		< 100000						< 2000			
MW-7S	13-Dec-01	TPH																	
MW-7S	13-Dec-01	VOCs		< 1000	< 1000	< 1000		< 1000		< 50000						< 1000			
MW-7S	5-Mar-02	TPH																	
MW-7S	5-Mar-02	VOCs		< 250	< 250	< 250		< 250		< 12000						< 250			
MW-7S	30-May-02	TPH																	
MW-7S	30-May-02	VOCs		< 1000	< 1000	< 1000		< 1000		< 50000						< 1000			
MW-7S	19-Jun-03	TPH	< 100																
MW-7S	19-Jun-03	VOCs		< 500	< 500	< 500	< 500	< 500		< 25000						< 500			
MW-8S	20-Feb-01	TPH	< 100																
MW-8S	20-Feb-01	VOCs		< 1	< 1	< 1		< 1		< 50						< 1			
MW-8S	26-Jul-01	TPH																	
MW-8S	26-Jul-01	VOCs		< 1	< 1	< 1		< 1		< 50						< 1			

Sample ID	Collected Date	Group	#6 Fuel Oil (C10-C32)	1,1,1-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	1,2,3-Trimethylbenzene	1,2,4-Trimethylbenzene	1,2-Dichloroethene (Total)	Acetone	Aluminum, Dissolved	Arsenic	Arsenic, Dissolved	Barium	Barium, Dissolved	Benzene	Cadmium	Chromium	Chromium, Dissolved
MW-8S	29-Oct-01	TPH																	
MW-8S	29-Oct-01	VOCs		< 1	< 1	< 1		< 1		< 50						< 1			
MW-8S	13-Dec-01	TPH																	
MW-8S	13-Dec-01	VOCs		< 1	< 1	< 1		< 1		< 50						< 1			
MW-8S	7-Mar-02	TPH																	
MW-8S	7-Mar-02	VOCs		< 1	< 1	< 1		< 1		< 50						< 1			
MW-8S	30-May-02	TPH																	
MW-8S	30-May-02	VOCs		< 1	< 1	< 1		< 1		< 50						< 1			
MW-8S	8-Aug-02	TPH																	
MW-8S	8-Aug-02	VOCs		< 1	< 1	< 1		< 1		< 50						< 1			
MW-8S	9-Dec-02	TPH																	
MW-8S	9-Dec-02	VOCs		< 1	< 1	< 1		< 1		< 50						< 1			
MW-8S	18-Mar-03	TPH																	
MW-8S	18-Mar-03	VOCs		< 1	< 1	< 1		< 1		< 50						< 1			
MW-8S	19-Jun-03	TPH	< 100																
MW-8S	19-Jun-03	VOCs		< 1	< 1	< 1	< 1	< 1		< 50						< 1			
MW-8S DUP	26-Jul-01	TPH																	
MW-8S DUP	26-Jul-01	VOCs		< 1	< 1	< 1		< 1		< 50						< 1			
MW-8S DUP	29-Oct-01	TPH																	
MW-8S DUP	29-Oct-01	VOCs		< 1	< 1	< 1		< 1		< 50						< 1			
MW-8S DUP	13-Dec-01	TPH																	
MW-8S DUP	13-Dec-01	VOCs		< 1	< 1	< 1		< 1		< 50						< 1			
MW-8S DUP	7-Mar-02	TPH																	
MW-8S DUP	7-Mar-02	VOCs		< 1	< 1	< 1		< 1		< 50						< 1			
MW-8S DUP	30-May-02	TPH																	
MW-8S DUP	30-May-02	VOCs		< 1	< 1	< 1		< 1		< 50						< 1			
MW-8S DUP	8-Aug-02	TPH																	
MW-8S DUP	8-Aug-02	VOCs		< 1	< 1	< 1		< 1		< 50						< 1			
MW-8S DUP	18-Mar-03	VOCs		< 1	< 1	< 1		< 1		< 50						< 1			
MW-9S	21-Feb-01	TPH	< 100																
MW-9S	21-Feb-01	VOCs		< 1	< 1	< 1		< 1		< 50						4.3			
MW-9S	27-Jul-01	TPH																	
MW-9S	27-Jul-01	VOCs		< 1	< 1	< 1		< 1		< 50						H 3.9			
MW-9S	30-Oct-01	TPH																	
MW-9S	30-Oct-01	VOCs		< 1	< 1	< 1		< 1		< 50						H 5.2			
MW-9S	19-Dec-01	TPH																	
MW-9S	19-Dec-01	VOCs		< 50	< 50	< 50		< 50		< 2500						F 51			
MW-9S	5-Mar-02	TPH																	
MW-9S	5-Mar-02	VOCs		< 1	< 1	< 1		< 1		< 50						H 3.2			
MW-9S	30-May-02	TPH																	
MW-9S	30-May-02	VOCs		< 50	< 50	< 50		< 50		< 2500						< 50			
MW-9S	8-Aug-02	TPH																	
MW-9S	8-Aug-02	VOCs		< 25	< 25	< 25		< 25		< 1200						< 25			
MW-9S	11-Dec-02	TPH																	
MW-9S	11-Dec-02	VOCs		< 1	< 1	< 1		1.8		< 50						< 1			
MW-9S	21-Mar-03	TPH																	
MW-9S	21-Mar-03	VOCs		< 1	< 1	< 1		< 1		< 50						4.6			
MW-9S	27-Jun-03	TPH	< 100																
MW-9S	27-Jun-03	VOCs		< 1	< 1	< 1	< 1	< 1		< 50						4			
MW-9S DUP	27-Jul-01	TPH																	
MW-9S DUP	27-Jul-01	VOCs		< 1	< 1	< 1		< 1		< 50						H 3.6			
MW-9S DUP	30-Oct-01	TPH																	
MW-9S DUP	30-Oct-01	VOCs		< 1	< 1	< 1		< 1		< 50						H 5			
MW-9S DUP	19-Dec-01	TPH																	
MW-9S DUP	19-Dec-01	VOCs		< 1	H 1.1	< 1		< 1		< 50						H 4			
MW-9S DUP	21-Mar-03	TPH																	
MW-9S DUP	21-Mar-03	VOCs		< 1	< 1	< 1		< 1		< 50						5.1			
MW-A13W	20-Mar-03	TPH																	
MW-A13W	20-Mar-03	VOCs														44			

Sample ID	Collected Date	Group	#6 Fuel Oil (C18-C32)	1,1,1-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	1,2,3-Trimethylbenzene	1,2,4-Trimethylbenzene	1,2-Dichloroethene (Total)	Acetone	Aluminum, Dissolved	Arsenic	Arsenic, Dissolved	Barium	Barium, Dissolved	Benzene	Cadmium	Chromium	Chromium, Dissolved
MW-A8W	7-May-01	Metals										58		1000			14	56	
MW-A8W	7-May-01	Metals, Dissolved											8		350				3.1
MW-A8W	26-Jul-01	Metals										35		530			J4 3.8	23	
MW-A8W	26-Jul-01	Metals, Dissolved											20		270				2.5
SB12W	4-Dec-00	VOCs			< 100	< 100				< 400						< 100			
SB13W	4-Dec-00	VOCs			< 5	< 5				< 20						< 5			
SB17W	5-Dec-00	VOCs		< 5	< 5	< 5		< 5	< 5	< 10						< 5			
SB17W	6-Dec-00	TPH	< 128																
SB18W	5-Dec-00	VOCs		< 2500	< 2500	< 2500		< 2500	J 2400	< 5000						< 2500			
SB20W	6-Dec-00	VOCs		< 5	< 5	< 5		< 5	< 5	< 10						7			
TP-1	5-Feb-98	Metals										3.7		440			< 5	< 10	
TP-1	5-Feb-98	Metals, Dissolved											< 50		440				< 10
TP-1	5-Feb-98	VOCs			11	180				55						21			
TP-1	23-Feb-01	TPH																	
TP-1	23-Feb-01	VOCs		< 1000	< 1000	< 1000		< 1000		< 50000						< 1000			
TP-1	28-Feb-01	TPH	< 100																
TP-10	5-Sep-01	TPH	< 100																
TP-10	5-Sep-01	VOCs		< 250	< 250	< 250		< 250		< 12000						< 250			
TP-11	5-Sep-01	TPH	< 4000																
TP-11	5-Sep-01	VOCs		< 250	< 250	< 250		< 250		< 12000						< 250			
TP-12	5-Sep-01	VOCs		< 1	< 1	< 1		< 1		< 50						< 1			
TP-12	6-Sep-01	TPH	< 100																
TP-13	5-Sep-01	TPH	< 100																
TP-13	5-Sep-01	VOCs		< 1	< 1	< 1		< 1		< 50						< 1			
TP-14	6-Sep-01	TPH	< 10000																
TP-14	6-Sep-01	VOCs		< 500	< 500	< 500		< 500		< 25000						< 500			
TP-15	6-Sep-01	TPH	< 100000																
TP-15	6-Sep-01	VOCs		< 5000	< 5000	< 5000		< 5000		< 250000						< 5000			
TP-16	6-Sep-01	TPH	< 100000																
TP-16	6-Sep-01	VOCs		< 50	< 50	< 50		< 50		< 2500						< 50			
TP-17	6-Sep-01	TPH	< 1000																
TP-17	6-Sep-01	VOCs		< 10	< 10	< 10		< 10		< 500						< 10500			
TP-17 DUP	6-Sep-01	TPH	< 1000																
TP-17 DUP	6-Sep-01	VOCs		< 10	< 10	< 10		< 10		< 500						< 10			
TP-18	6-Sep-01	TPH	< 100																
TP-18	6-Sep-01	VOCs		< 1	< 1	< 1		< 1		< 50						< 1			
TP-19	6-Sep-01	TPH	< 100																
TP-19	6-Sep-01	VOCs		< 1	< 1	< 1		< 1		< 50						< 1			
TP-19 DUP	6-Sep-01	TPH	< 100																
TP-19 DUP	6-Sep-01	VOCs		< 1	< 1	< 1		< 1		< 50						< 1			
TP-2	6-Feb-98	VOCs			< 5	15				< 10						< 5			
TP-2	23-Feb-01	TPH																	
TP-2	23-Feb-01	VOCs		< 1	< 1	< 1		< 1		< 50						< 1			
TP-2	28-Feb-01	TPH	< 100																
TP-2	25-Jul-01	TPH																	
TP-2	25-Jul-01	VOCs		< 250	< 250	< 250		< 250		< 12000						< 250			
TP-2	30-Oct-01	TPH																	
TP-2	30-Oct-01	VOCs		< 1000	< 1000	< 1000		< 1000		< 50000						< 1000			
TP-2	18-Dec-01	TPH																	
TP-2	18-Dec-01	VOCs		< 50	< 50	< 50		< 50		< 2500						< 50			
TP-2	8-Mar-02	TPH																	
TP-2	8-Mar-02	VOCs		< 1000	< 1000	< 1000		< 1000		< 50000						< 1000			
TP-2	30-May-02	TPH																	
TP-2	30-May-02	VOCs		< 500	< 500	< 500		< 500		< 25000						< 500			
TP-2	26-Jun-03	TPH	< 100																
TP-2	26-Jun-03	VOCs		< 500	< 500	< 500	< 500	< 500		< 25000						< 500			
TP-20	15-Oct-01	TPH	< 1000																

Sample ID	Collected Date	Group	#6 Fuel Oil (C10-C32)	1,1,1-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	1,2,3-Trimethylbenzene	1,2,4-Trimethylbenzene	1,2-Dichloroethene (Total)	Acetone	Aluminum, Dissolved	Arsenic	Arsenic, Dissolved	Barium	Barium, Dissolved	Benzene	Cadmium	Chromium	Chromium, Dissolved
TP-20	15-Oct-01	VOCs			6.1	< 5										< 5			
TP-20 DUP	15-Oct-01	TPH	< 100																
TP-20 DUP	15-Oct-01	VOCs		< 1	< 1	< 1		< 1		< 50						< 1			
TP-21	15-Oct-01	TPH	< 1000																
TP-21	15-Oct-01	VOCs			< 5	< 5										< 5			
TP-21 DUP	15-Oct-01	TPH	< 1000																
TP-21 DUP	15-Oct-01	VOCs			< 5	< 5										< 5			
TP-22	15-Oct-01	TPH	24472																
TP-22	15-Oct-01	VOCs			< 5	< 5										< 5			
TP-23	15-Oct-01	TPH	212199																
TP-23	15-Oct-01	VOCs			< 5	< 5										< 5			
TP-24	15-Oct-01	TPH	< 10000																
TP-24-2004	30-Apr-04	TPH														< 1			
TP-24	15-Oct-01	VOCs		< 1	< 1	< 1		< 1		< 50									
TP-24 DUP	15-Oct-01	TPH	< 10000													< 1			
TP-24 DUP	15-Oct-01	VOCs		< 1	< 1	< 1		< 1		< 50						< 1			
TP-25	15-Oct-01	VOCs		< 1	< 1	< 1		< 1		< 50									
TP-25	17-Oct-01	TPH	< 100													< 5			
TP-3	6-Feb-98	VOCs			< 5	< 5				< 10									
TP-3	23-Feb-01	TPH	< 1000													F 680			
TP-3	23-Feb-01	VOCs		< 100	< 100	< 100		F 330		< 5000									
TP-3	25-Jul-01	TPH														< 1			
TP-3	25-Jul-01	VOCs		< 1	< 1	< 1		< 1		< 50									
TP-3	29-Oct-01	TPH														< 1			
TP-3	29-Oct-01	VOCs		< 1	< 1	< 1		H 1.6		< 50									
TP-3	19-Dec-01	TPH														< 1			
TP-3	19-Dec-01	VOCs		< 1	< 1	< 1		< 1		< 50									
TP-3	5-Mar-02	TPH														< 1			
TP-3	5-Mar-02	VOCs		< 1	< 1	< 1		< 1		< 50									
TP-3	30-May-02	TPH														< 100			
TP-3	30-May-02	VOCs		< 100	< 100	< 100		< 100		< 5000									
TP-3	8-Aug-02	TPH														< 200			
TP-3	8-Aug-02	VOCs		< 200	< 200	< 200		< 200		< 10000									
TP-3	9-Dec-02	TPH														< 1			
TP-3	9-Dec-02	VOCs		< 1	< 1	< 1		< 1		< 50									
TP-3	19-Mar-03	TPH														< 1			
TP-3	19-Mar-03	VOCs		< 1	< 1	< 1		< 1		< 50									
TP-3	27-Jun-03	TPH	< 100													< 1			
TP-3	27-Jun-03	VOCs		< 1	< 1	< 1	< 1	< 1		< 50						< 5			
TP-4	9-Feb-98	VOCs			< 5	< 5				26									
TP-4	21-Feb-01	TPH	< 100													< 1			
TP-4	21-Feb-01	VOCs		< 1	< 1	< 1		< 1		< 50									
TP-4	26-Jul-01	TPH														< 1			
TP-4	26-Jul-01	VOCs		< 1	< 1	< 1		< 1		< 50									
TP-4	30-Oct-01	Metals, Dissolved									1600		5.6		J4 24				< 2
TP-4	30-Oct-01	TPH														< 2			
TP-4	30-Oct-01	VOCs		< 2	< 2	< 2		< 2		< 100									
TP-4	18-Dec-01	TPH														< 1			
TP-4	18-Dec-01	VOCs		< 1	< 1	< 1		< 1		< 50									
TP-4	8-Mar-02	TPH														< 1			
TP-4	8-Mar-02	VOCs		< 1	< 1	< 1		< 1		< 50						< 5			
TP-4	30-May-02	VOCs		< 5	< 5	< 5		< 5		< 250									
TP-4	3-Jun-02	TPH																	
TP-4	26-Jun-03	TPH	< 100													< 1			
TP-4	26-Jun-03	VOCs		< 1	< 1	< 1	< 1	< 1		< 50						< 5			
TP-4 Dup	9-Feb-98	VOCs			< 5	< 5				24						< 2500			
TP-5	4-Dec-00	VOCs		< 2500	< 2500	< 2500		< 2500	3300	< 5000									
TP-5	23-Feb-01	TPH	< 100																

Appe[illegible]
Groundwater Data for [illegible] Demolished Area
Boeing Tract 1, St. Louis, Missouri

Sample ID	Collected Date	Group	#6 Fuel Oil (C10-C32)	1,1,1-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	1,2,3-Trimethylbenzene	1,2,4-Trimethylbenzene	1,2-Dichloroethene (Total)	Acetone	Aluminum, Dissolved	Arsenic	Arsenic, Dissolved	Barium	Barium, Dissolved	Benzene	Cadmium	Chromium	Chromium, Dissolved
TP-5	23-Feb-01	VOCs		< 2500	< 2500	< 2500		< 2500		< 120000						< 2500			
TP-5	27-Jul-01	TPH																	
TP-5	27-Jul-01	VOCs		< 1000	< 1000	< 1000		< 1000		< 50000						< 1000			
TP-5	30-Oct-01	TPH																	
TP-5	30-Oct-01	VOCs		< 2000	< 2000	< 2000		< 2000		< 100000						< 2000			
TP-6	5-Sep-01	TPH	< 10000																
TP-6	5-Sep-01	VOCs		< 1000	< 1000	< 1000		< 1000		< 50000						< 1000			
TP-6	18-Dec-01	TPH																	
TP-6	18-Dec-01	VOCs		< 100	< 100	< 100		< 100		< 5000						< 100			
TP-6	5-Mar-02	TPH																	
TP-6	5-Mar-02	VOCs		< 1	< 1	< 1		< 1		< 50						< 1			
TP-6	3-Jun-02	TPH																	
TP-6	3-Jun-02	VOCs		< 1	< 1	< 1		H 1.2		< 50						< 1			
TP-6	13-Aug-02	TPH																	
TP-6	13-Aug-02	VOCs		< 1	< 1	< 1		< 1		< 50						< 1			
TP-6	5-Dec-02	TPH																	
TP-6	5-Dec-02	VOCs		< 1	< 1	< 1		< 1		< 50						< 1			
TP-6	18-Mar-03	TPH																	
TP-6	18-Mar-03	VOCs		< 1	< 1	< 1		< 1		< 50						< 1			
TP-6	17-Jun-03	TPH	< 100																
TP-6	17-Jun-03	VOCs		< 1	< 1	< 1	< 1	< 1		< 50						< 1			
TP-6 DUP	5-Mar-02	TPH																	
TP-6 DUP	5-Mar-02	VOCs		< 1	< 1	< 1		< 1		< 50						< 1			
TP-7	5-Sep-01	TPH	< 100000																
TP-7	5-Sep-01	VOCs		< 1000	< 1000	< 1000		< 1000		< 50000						< 1000			
TP-8	5-Sep-01	TPH	< 100																
TP-8	5-Sep-01	VOCs		< 1	< 1	< 1		< 1		< 50						< 1			
TP-9	5-Sep-01	Metals										130		1600			5.4	19	
TP-9	5-Sep-01	TPH	< 100000																
TP-9-2004	4-May-04	TPH																	
TP-9	5-Sep-01	VOCs		< 500	< 500	< 500		< 500		< 25000						< 500			
B-7	10-Jan-02															817			

Notes:
All concentrations in ug/L (micrograms per liter)
< Less than detection limit shown
Blanks: Not analyzed
ND: Not detected
VOC: Volatile organic compound
TPH: Total petroleum hydrocarbon
Lab qualifiers in Section 1.0

Sample ID	Collected Date	Group	cis-1,2-Dichloro ethene	Diesel #1	Diesel #2	Diesel (C7-C36)	Ethyl benzene	Gasoline (C6-C14)	Hydraulic Fluid (C12-C33)	Isopropyl benzene	Kerosene	Kerosene (C9-C16)	Lead	Lead, Dissolved	Mercury, Dissolved	Methyl isobutyl ketone	Methyl ter-butyl ether	Methylene Chloride	Mineral Spirits (C7-C14)
B48E1W	23-Jul-03	Metals											< 44						
B48E1W	23-Jul-03	TPH														< 10	<10	< 20	
B48E1W	23-Jul-03	VOCs	< 5				< 5			< 5									
B48I1W	11-Nov-02	TPH		< 1000	< 1000						< 1000							< 5	
B48I1W	11-Nov-02	VOCs	< 5				< 5			< 5									
B48I2W	11-Nov-02	TPH		< 1000	< 1000						< 1000							< 5	
B48I2W	11-Nov-02	VOCs	< 5				< 5			< 5									
B48N1W	11-Nov-02	TPH		< 1000	< 1000						< 1000							< 5	
B48N1W	11-Nov-02	VOCs	< 5				< 5			< 5									
B48N1W	11-Dec-02	TPH														< 50	< 1	< 5	
B48N1W	11-Dec-02	VOCs	14				< 1			< 1									
B48N1W	21-Mar-03	TPH														< 50	< 1	< 5	
B48N1W	21-Mar-03	VOCs	30				< 1			< 1									
B48N1W	27-Jun-03	TPH				< 100			< 100			< 100							< 100
B48N1W	27-Jun-03	VOCs	59				< 1			< 1						< 50	< 1	< 5	
B48S10W	21-Nov-02	TPH																	
B48S10W	21-Nov-02	VOCs					< 0.5												
B48S11W	1-Jul-03	TPH		< 1000	< 1000			< 1000			< 1000						< 5		
B48S11W	1-Jul-03	VOCs					< 5												
B48S1W	14-Nov-02	TPH		< 1000	< 1000			< 1000			< 1000						< 5		
B48S1W	14-Nov-02	VOCs					< 5												
B48S2W	15-Nov-02	TPH		< 1000	< 1000			1160			< 1000						9.9		
B48S2W	15-Nov-02	VOCs					24												
B48S3W	15-Nov-02	TPH		< 1000	< 1000			1746			< 1000						< 5		
B48S3W	15-Nov-02	VOCs					< 5												
B48S5W	19-Nov-02	TPH		< 1000	< 1000			301200			< 1000						< 5		
B48S5W	19-Nov-02	VOCs					5.3												
B48S6W	19-Nov-02	TPH		< 1000	< 1000			< 1000			< 1000						< 5		
B48S6W	19-Nov-02	VOCs					< 5												
B48S7W	20-Nov-02	TPH		< 1000	< 1000			207200			< 1000						< 5		
B48S7W	20-Nov-02	VOCs					< 5												
B48S8W	20-Nov-02	TPH		< 1000	< 1000			< 1000			< 1000						< 5		
B48S8W	20-Nov-02	VOCs					< 5												
B48S9W	21-Nov-02	TPH																	
B48S9W	21-Nov-02	VOCs					< 0.5												
B51W1W	2-Jul-03	TPH		< 1000	< 1000			< 1000			< 1000						< 5	< 2	
B51W1W	2-Jul-03	VOCs	< 2				< 5			< 2									
B51W2W	2-Jul-03	TPH		< 1000	190000			1110000			< 1000								
B51W2W-2004	30-Apr-04	TPH															< 5		
B51W2W	2-Jul-03	VOCs					< 5												
B51W3W	24-Jul-03	Metals											< 44						
B51W3W	24-Jul-03	TPH														< 10	<10	< 20	
B51W3W	24-Jul-03	VOCs	< 5				< 5			< 5						< 10	< 10	J 2.1	
B51W3W DUP	24-Jul-03	VOCs	< 5				< 5			< 5									
B51W4W	23-Jul-03	Metals											< 44						
B51W4W	23-Jul-03	Metals, Dissolved												< 44					
B51W4W	23-Jul-03	TPH														< 10	< 2	< 20	
B51W4W	23-Jul-03	VOCs	< 5				< 5			< 5									
MW-10S	20-Feb-01	TPH				950		< 100	< 100			< 100							< 100
MW10S-DIS-2004	4-May-04	TPH														< 50	<1	< 5	
MW-10S	20-Feb-01	VOCs	< 1				< 1			< 1									
MW-10S	27-Jul-01	TPH														< 50	< 1	< 5	
MW-10S	27-Jul-01	VOCs	< 1				< 1			< 1									
MW-10S	29-Oct-01	TPH														< 50000	< 1000	< 5000	
MW-10S	29-Oct-01	VOCs	< 1000				< 1000			< 1000									
MW-10S	19-Dec-01	TPH														< 50	< 1	< 5	
MW-10S	19-Dec-01	VOCs	< 1				< 1			H 2.7									
MW-10S	5-Mar-02	TPH																	

Sample ID	Collected Date	Group	cis-1,2-Dichloro ethene	Diesel #1	Diesel #2	Diesel (C7-C36)	Ethyl benzene	Gasoline (C6-C14)	Hydraulic Fluid (C12-C33)	Isopropyl benzene	Kerosene	Kerosene (C9-C16)	Lead	Lead, Dissolved	Mercury, Dissolved	Methyl isobutyl ketone	Methyl ter-butyl ether	Methylene Chloride	Mineral Spirits (C7-C14)
MW-10S	5-Mar-02	VOCs	< 5				< 5			< 5						< 250	< 5	< 25	
MW-10S	3-Jun-02	TPH																	
MW-10S	3-Jun-02	VOCs	< 1				< 1			< 1						< 50	< 1	< 5	
MW-10S	17-Jun-03	TPH				48000			< 1000			< 1000							< 1000
MW-10S	17-Jun-03	VOCs	< 1				< 1			< 1						< 50	< 1	< 5	
MW-11S	20-Feb-01	TPH				< 100		< 100	< 100			< 100							< 100
MW-11S	20-Feb-01	VOCs	< 1				< 1			< 1						< 50	<1	< 5	
MW-11S	25-Jul-01	TPH																	
MW-11S	25-Jul-01	VOCs	19				< 2			< 1						< 50	< 1	< 5	
MW-11S	29-Oct-01	TPH																	
MW-11S	29-Oct-01	VOCs	< 1				< 1			< 1						< 50	< 1	< 5	
MW-11S	17-Dec-01	TPH																	
MW-11S	17-Dec-01	VOCs	< 1				< 1			< 1						< 50	< 1	< 5	
MW-11S	5-Mar-02	TPH																	
MW-11S	5-Mar-02	VOCs	< 1				< 1			< 1						< 50	< 1	< 5	
MW-11S	3-Jun-02	TPH																	
MW-11S	3-Jun-02	VOCs	H 1.5				< 1			< 1						< 50	< 1	< 5	
MW-11S	13-Aug-02	TPH																	
MW-11S	13-Aug-02	VOCs	< 1				< 1			< 1						< 50	< 1	< 5	
MW-11S	5-Dec-02	TPH																	
MW-11S	5-Dec-02	VOCs	< 1				< 1			< 1						< 50	< 1	< 5	
MW-11S	12-Mar-03	TPH																	
MW-11S	12-Mar-03	VOCs	< 1				< 1			< 1						< 50	< 1	< 5	
MW-11S	17-Jun-03	TPH				< 100			< 100			< 100							< 100
MW-11S	17-Jun-03	VOCs	< 1				< 1			2.6						< 50	< 1	< 5	
MW-6S	21-Apr-98	VOCs	4000				< 5									< 10		B 5.5	
MW-6S	22-Feb-01	TPH				< 100		< 100	< 100			< 100							< 100
MW-6S	22-Feb-01	VOCs	F 32				< 10			< 10						< 500	< 10	< 50	
MW-6S	27-Jul-01	TPH																	
MW-6S	27-Jul-01	VOCs	H 7.6				< 1			< 1						< 50	< 1	< 5	
MW-6S	26-Oct-01	TPH																	
MW-6S	19-Dec-01	TPH																	
MW-6S	19-Dec-01	VOCs	H 6				< 1			< 1						< 50	< 1	< 5	
MW-6S	8-Mar-02	TPH																	
MW-6S	8-Mar-02	VOCs	12				< 1			< 1						< 50	< 1	< 5	
MW-6S	30-May-02	TPH																	
MW-6S	30-May-02	VOCs	FH 8.5				< 5			< 5						< 250	< 5	< 25	
MW-6S	19-Jun-03	TPH				< 100			< 100			< 100							< 100
MW-6S	19-Jun-03	VOCs	14				< 1			< 1						< 50	< 1	< 5	
MW-7S	22-Feb-01	TPH				< 100		< 100	< 100			< 100							< 100
MW-7S-2004	4-May-04	TPH																	
MW-7S	22-Feb-01	VOCs	F 5800				< 500			< 500						< 25000	< 500	< 2500	
MW-7S	27-Jul-01	TPH																	
MW-7S	27-Jul-01	VOCs	< 10000				< 10000			< 10000						< 500000	< 10000	< 50000	
MW-7S	30-Oct-01	TPH																	
MW-7S	30-Oct-01	VOCs	FH 36000				< 2000			< 2000						< 100000	< 2000	< 10000	
MW-7S	13-Dec-01	TPH																	
MW-7S	13-Dec-01	VOCs	FH 9400				< 1000			< 1000						< 50000	< 1000	< 5000	
MW-7S	5-Mar-02	TPH																	
MW-7S	5-Mar-02	VOCs	FH 4100				< 250			< 250						< 12000	< 250	< 1200	
MW-7S	30-May-02	TPH																	
MW-7S	30-May-02	VOCs	F 4500				< 1000			< 1000						< 50000	< 1000	< 5000	
MW-7S	19-Jun-03	TPH				< 100			< 100			< 100							< 100
MW-7S	19-Jun-03	VOCs	4000				< 500			< 500						< 25000	< 500	< 2500	
MW-8S	20-Feb-01	TPH				< 100		< 100	< 100			< 100							< 100
MW-8S	20-Feb-01	VOCs	< 1				< 1			< 1						< 50	3.2	< 5	
MW-8S	26-Jul-01	TPH																	
MW-8S	26-Jul-01	VOCs	< 1				< 1			< 1						< 50	< 1	< 5	

Sample ID	Collected Date	Group	cis-1,2-Dichloro ethene	Diesel #1	Diesel #2	Diesel (C7-C36)	Ethyl benzene	Gasoline (C6-C14)	Hydraulic Fluid (C12-C33)	Isopropyl benzene	Kerosene	Kerosene (C9-C16)	Lead	Lead, Dissolved	Mercury, Dissolved	Methyl isobutyl ketone	Methyl ter-butyl ether	Methylene Chloride	Mineral Spirits (C7-C14)
MW-8S	29-Oct-01	TPH														< 50	1.3	< 5	
MW-8S	29-Oct-01	VOCs	< 1				< 1			< 1									
MW-8S	13-Dec-01	TPH														< 50	< 1	< 5	
MW-8S	13-Dec-01	VOCs	< 1				< 1			< 1									
MW-8S	7-Mar-02	TPH														< 50	< 1	< 5	
MW-8S	7-Mar-02	VOCs	< 1				< 1			< 1									
MW-8S	30-May-02	TPH														< 50	1.3	< 5	
MW-8S	30-May-02	VOCs	1.4				< 1			< 1									
MW-8S	8-Aug-02	TPH														< 50	< 1	< 5	
MW-8S	8-Aug-02	VOCs	< 1				< 1			< 1									
MW-8S	9-Dec-02	TPH														< 50	< 1	< 6	
MW-8S	9-Dec-02	VOCs	< 1				< 1			< 1									
MW-8S	18-Mar-03	TPH														< 50	< 1	< 5	
MW-8S	18-Mar-03	VOCs	< 1				< 1			< 1									< 100
MW-8S	19-Jun-03	TPH				< 100			< 100			< 100				< 50	< 1	< 5	
MW-8S	19-Jun-03	VOCs	2				< 1			< 1									
MW-8S DUP	26-Jul-01	TPH														< 50	J5 3.1	< 5	
MW-8S DUP	26-Jul-01	VOCs	< 1				< 1			< 1									
MW-8S DUP	29-Oct-01	TPH														< 50	1.2	< 5	
MW-8S DUP	29-Oct-01	VOCs	< 1				< 1			< 1									
MW-8S DUP	13-Dec-01	TPH														< 50	H 1	< 5	
MW-8S DUP	13-Dec-01	VOCs	< 1				< 1			< 1									
MW-8S DUP	7-Mar-02	TPH														< 50	< 1	< 5	
MW-8S DUP	7-Mar-02	VOCs	< 1				< 1			< 1									
MW-8S DUP	30-May-02	TPH														< 50	< 1	< 5	
MW-8S DUP	30-May-02	VOCs	< 1				< 1			< 1									
MW-8S DUP	8-Aug-02	TPH														< 50	< 1	< 5	
MW-8S DUP	8-Aug-02	VOCs	< 1				< 1			< 1						< 50	< 1	< 5	
MW-8S DUP	18-Mar-03	VOCs	< 1				< 1			< 1									< 100
MW-9S	21-Feb-01	TPH				2400		< 100	< 100			< 100				< 50	<1	< 5	
MW-9S	21-Feb-01	VOCs	< 1				< 1			7.6									
MW-9S	27-Jul-01	TPH														< 50	< 1	< 5	
MW-9S	27-Jul-01	VOCs	< 1				< 1			H 4.4									
MW-9S	30-Oct-01	TPH														< 50	< 1	< 5	
MW-9S	30-Oct-01	VOCs	H 1.3				H 1.4			H 3.5									
MW-9S	19-Dec-01	TPH														< 2500	< 50	< 250	
MW-9S	19-Dec-01	VOCs	< 50				< 50			< 50									
MW-9S	5-Mar-02	TPH														< 50	< 1	< 5	
MW-9S	5-Mar-02	VOCs	< 1				< 1			H 2.9									
MW-9S	30-May-02	TPH														< 2500	< 50	< 250	
MW-9S	30-May-02	VOCs	F 2400				< 50			< 50									
MW-9S	8-Aug-02	TPH														< 1200	< 25	< 120	
MW-9S	8-Aug-02	VOCs	< 25				< 25			< 25									
MW-9S	11-Dec-02	TPH														< 50	< 1	< 5	
MW-9S	11-Dec-02	VOCs	< 1				< 1			< 1									
MW-9S	21-Mar-03	TPH														< 50	< 1	< 5	
MW-9S	21-Mar-03	VOCs	< 1				< 1			2.7									< 100
MW-9S	27-Jun-03	TPH				< 100			< 100			< 100				< 50	< 1	< 5	
MW-9S	27-Jun-03	VOCs	< 1				< 1			2.3									
MW-9S DUP	27-Jul-01	TPH														< 50	< 1	< 5	
MW-9S DUP	27-Jul-01	VOCs	< 1				< 1			H 4									
MW-9S DUP	30-Oct-01	TPH														< 50	< 1	< 5	
MW-9S DUP	30-Oct-01	VOCs	H 1.3				H 1.4			H 3.7									
MW-9S DUP	19-Dec-01	TPH														< 50	< 1	< 5	
MW-9S DUP	19-Dec-01	VOCs	H 1.4				H 1.6			H 6.3									
MW-9S DUP	21-Mar-03	TPH														< 50	< 1	< 5	
MW-9S DUP	21-Mar-03	VOCs	< 1				< 1			3									
MW-A13W	20-Mar-03	TPH					180										59		
MW-A13W	20-Mar-03	VOCs																	

App[illegible]
Groundwater Data for [illegible] Demolished Area
Boeing Tract 1, St. Louis, Missouri

Sample ID	Collected Date	Group	cis-1,2-Dichloro ethene	Diesel #1	Diesel #2	Diesel (C7-C36)	Ethyl benzene	Gasoline (C6-C14)	Hydraulic Fluid (C12-C33)	Isopropyl benzene	Kerosene	Kerosene (C9-C16)	Lead	Lead, Dissolved	Mercury, Dissolved	Methyl isobutyl ketone	Methyl ter-butyl ether	Methylene Chloride	Mineral Spirits (C7-C14)
MW-A8W	7-May-01	Metals											100						
MW-A8W	7-May-01	Metals, Dissolved												< 5	< 0.2				
MW-A8W	26-Jul-01	Metals											31						
MW-A8W	26-Jul-01	Metals, Dissolved												8.6	< 0.2				
SB12W	4-Dec-00	VOCs	< 50				< 100									< 400		< 100	
SB13W	4-Dec-00	VOCs	79				< 5									< 20		< 5	
SB17W	5-Dec-00	VOCs	< 5				< 5			< 5						< 10	< 10	< 5	
SB17W	6-Dec-00	TPH				< 128		< 128	< 128			< 128							< 128
SB18W	5-Dec-00	VOCs	J 2400				< 2500			< 2500						< 5000	< 5000	< 2500	
SB20W	6-Dec-00	VOCs	< 5				< 5			14						< 10	< 10	< 5	
TP-1	5-Feb-98	Metals											4.2						
TP-1	5-Feb-98	Metals, Dissolved												< 3	0.34				
TP-1	5-Feb-98	VOCs	97000				35									25		8.5	
TP-1	23-Feb-01	TPH																	
TP-1	23-Feb-01	VOCs	EF 58000				< 1000			< 1000						< 50000	< 1000	< 5000	
TP-1	28-Feb-01	TPH				< 100		< 100	< 100			< 100							< 100
TP-10	5-Sep-01	TPH				< 100		< 100	< 100			< 100							< 100
TP-10	5-Sep-01	VOCs	FH 2700				< 250			< 250						< 12000	< 250	< 1200	
TP-11	5-Sep-01	TPH				F 14000		< 4000	< 4000			< 4000							< 4000
TP-11	5-Sep-01	VOCs	F 9300				< 250			< 250						< 12000	< 250	< 1200	
TP-12	5-Sep-01	VOCs	< 1				< 1			< 1						< 50	< 1	< 5	
TP-12	6-Sep-01	TPH				< 100		< 100	< 100			< 100							< 100
TP-13	5-Sep-01	TPH				< 100		< 100	< 100			< 100							< 100
TP-13	5-Sep-01	VOCs	< 1				< 1			< 1						< 50	< 1	< 5	
TP-14	6-Sep-01	TPH				F 110000		< 10000	< 10000			< 10000							< 10000
TP-14	6-Sep-01	VOCs	< 500				< 500			< 500						< 25000	< 500	< 2500	
TP-15	6-Sep-01	TPH				F 2200000		< 100000	< 100000			< 100000							< 100000
TP-15	6-Sep-01	VOCs	< 5000				< 5000			< 5000						< 250000	< 5000	< 25000	
TP-16	6-Sep-01	TPH				F 2100000		< 100000	< 100000			< 100000							< 100000
TP-16	6-Sep-01	VOCs	< 50				< 50			FH 120						< 2500	< 50	< 250	
TP-17	6-Sep-01	TPH				F 10000		< 1000	< 1000			< 1000							< 1000
TP-17	6-Sep-01	VOCs	F 73				< 10			< 10						< 500	< 20	< 50	
TP-17 DUP	6-Sep-01	TPH				< 1000		< 1000	< 1000			< 1000							< 1000
TP-17 DUP	6-Sep-01	VOCs	F 66				< 10			< 10						< 500	< 20	< 50	
TP-18	6-Sep-01	TPH				< 100		< 100	< 100			< 100							< 100
TP-18	6-Sep-01	VOCs	12				< 1			< 1						< 50	< 1	< 5	
TP-19	6-Sep-01	TPH				< 100		< 100	< 100			< 100							< 100
TP-19	6-Sep-01	VOCs	3.6				< 1			< 1						< 50	< 1	< 5	
TP-19 DUP	6-Sep-01	TPH				< 100		< 100	< 100			< 100							< 100
TP-19 DUP	6-Sep-01	VOCs	3.5				< 1			< 1						< 50	< 1	< 5	
TP-2	6-Feb-98	VOCs	6900				< 5									< 12		< 5	
TP-2	23-Feb-01	TPH																	
TP-2	23-Feb-01	VOCs	< 1				< 1			< 1						< 50	< 1	< 5	
TP-2	28-Feb-01	TPH				< 100		< 100	< 100			< 100							< 100
TP-2	25-Jul-01	TPH																	
TP-2	25-Jul-01	VOCs	FH 4100				< 500			< 250						< 12000	< 250	< 1200	
TP-2	30-Oct-01	TPH																	
TP-2	30-Oct-01	VOCs	FH 5800				< 1000			< 1000						< 50000	< 1000	< 5000	
TP-2	18-Dec-01	TPH																	
TP-2	18-Dec-01	VOCs	EFH 6400				< 50			< 50						< 2500	< 50	< 250	
TP-2	8-Mar-02	TPH																	
TP-2	8-Mar-02	VOCs	FH 7100				< 1000			< 1000						< 50000	< 1000	< 5000	
TP-2	30-May-02	TPH																	
TP-2	30-May-02	VOCs	FH 11000				< 500			< 500						< 25000	< 500	< 2500	
TP-2	26-Jun-03	TPH				< 100			< 100			< 100							< 100
TP-2	26-Jun-03	VOCs	8700				< 500			< 500						< 25000	< 500	< 2500	
TP-20	15-Oct-01	TPH						< 1000											

App[illegible]
Groundwater Data for [illegible] Demolished Area
Boeing Tract 1, St. Louis, Missouri

Sample ID	Collected Date	Group	cis-1,2-Dichloro ethene	Diesel #1	Diesel #2	Diesel (C7-C26)	Ethyl benzene	Gasoline (C6-C14)	Hydraulic Fluid (C12-C33)	Isopropyl benzene	Kerosene	Kerosene (C9-C16)	Lead	Lead, Dissolved	Mercury, Dissolved	Methyl isobutyl ketone	Methyl ter-butyl ether	Methylene Chloride	Mineral Spirits (C7-C14)
TP-20	15-Oct-01	VOCs	< 5				< 5										< 5	< 5	
TP-20 DUP	15-Oct-01	TPH				< 100		< 100	< 100			< 100							< 100
TP-20 DUP	15-Oct-01	VOCs	< 1				< 1			< 1						< 50	< 1	< 5	
TP-21	15-Oct-01	TPH						< 1000											
TP-21	15-Oct-01	VOCs	155.6				< 5										< 5	< 5	
TP-21 DUP	15-Oct-01	TPH						< 1000											
TP-21 DUP	15-Oct-01	VOCs	140.3				< 5										< 5	< 5	
TP-22	15-Oct-01	TPH						< 1000											
TP-22	15-Oct-01	VOCs	581.2				< 5										< 5	< 5	
TP-23	15-Oct-01	TPH						< 1000											
TP-23	15-Oct-01	VOCs	< 5				6.8										< 5	< 5	
TP-24	15-Oct-01	TPH				FJ4 260000		< 10000	< 10000			< 10000							< 10000
TP-24-2004	30-Apr-04	TPH																	
TP-24	15-Oct-01	VOCs	< 1				< 1			< 1						< 50	< 1	< 5	
TP-24 DUP	15-Oct-01	TPH				< 10000		< 10000	< 10000			< 10000							< 10000
TP-24 DUP	15-Oct-01	VOCs	< 1				< 1			< 1						< 50	< 1	< 5	
TP-25	15-Oct-01	VOCs	3.1				< 1			< 1						< 50	< 1	< 5	
TP-25	17-Oct-01	TPH				< 100		< 100	< 100			< 100							< 100
TP-3	6-Feb-98	VOCs	< 5				< 5									< 10		< 5	
TP-3	23-Feb-01	TPH				F 45000		< 1000	< 1000			< 1000							< 1000
TP-3	23-Feb-01	VOCs	< 100				F 200			< 100						< 5000	F 1400	< 500	
TP-3	25-Jul-01	TPH																	
TP-3	25-Jul-01	VOCs	< 1				< 2			H 4.7						< 50	< 1	< 5	
TP-3	29-Oct-01	TPH																	
TP-3	29-Oct-01	VOCs	< 1				< 1			H 3.6						< 50	< 1	< 5	
TP-3	19-Dec-01	TPH																	
TP-3	19-Dec-01	VOCs	< 1				< 1			F 3.4						< 50	< 1	< 5	
TP-3	5-Mar-02	TPH																	
TP-3	5-Mar-02	VOCs	< 1				< 1			H 5.3						< 50	< 1	< 5	
TP-3	30-May-02	TPH																	
TP-3	30-May-02	VOCs	F 1900				< 100			< 100						< 5000	< 100	< 500	
TP-3	8-Aug-02	TPH																	
TP-3	8-Aug-02	VOCs	< 200				< 200			< 200						< 10000	< 200	< 1000	
TP-3	9-Dec-02	TPH																	
TP-3	9-Dec-02	VOCs	< 1				< 1			1.9						< 50	< 1	< 5	
TP-3	19-Mar-03	TPH																	
TP-3	19-Mar-03	VOCs	< 1				< 1			< 1						< 50	< 1	< 5	
TP-3	27-Jun-03	TPH				< 100			< 100			< 100							< 100
TP-3	27-Jun-03	VOCs	< 1				< 1			3.2						< 50	< 1	< 5	
TP-4	9-Feb-98	VOCs	59				6.2									< 10		< 5	
TP-4	21-Feb-01	TPH				290		< 100	< 100			< 100							< 100
TP-4	21-Feb-01	VOCs	5.6				< 1			< 1						< 50	<1	< 5	
TP-4	26-Jul-01	TPH																	
TP-4	26-Jul-01	VOCs	H 8.6				< 1			< 1						< 50	< 1	< 5	
TP-4	30-Oct-01	Metals, Dissolved												< 5	< 0.2				
TP-4	30-Oct-01	TPH																	
TP-4	30-Oct-01	VOCs	EFH 100				< 2			< 2						< 100	< 2	< 10	
TP-4	18-Dec-01	TPH																	
TP-4	18-Dec-01	VOCs	H 14				< 1			< 1						< 50	< 1	< 5	
TP-4	8-Mar-02	TPH																	
TP-4	8-Mar-02	VOCs	19				< 1			< 1						< 50	< 1	< 5	
TP-4	30-May-02	VOCs	FH 86				< 5			< 5						< 250	< 5	< 25	
TP-4	3-Jun-02	TPH																	
TP-4	26-Jun-03	TPH				< 100			< 100			< 100							< 100
TP-4	26-Jun-03	VOCs	190				< 1			< 1						< 50	< 1	< 5	
TP-4 Dup	9-Feb-98	VOCs	58				5.5									< 10		< 5	
TP-5	4-Dec-00	VOCs	3300				< 2500			< 2500						< 5000	< 5000	< 2500	
TP-5	23-Feb-01	TPH				< 100		< 100	< 100			< 100							< 100

Groundwater Data for [illegible] Demolished Area
Boeing Tract 1, St. Louis, Missouri

Sample ID	Collected Date	Group	cis-1,2-Dichloro ethene	Diesel #1	Diesel #2	Diesel (C7-C26)	Ethyl benzene	Gasoline (C6-C14)	Hydraulic Fluid (C12-C33)	Isopropyl benzene	Kerosene	Kerosene (C9-C16)	Lead	Lead, Dissolved	Mercury, Dissolved	Methyl isobutyl ketone	Methyl ter-butyl ether	Methylene Chloride	Mineral Spirits (C7-C14)
TP-5	23-Feb-01	VOCs	F 5700				< 2500			< 2500						< 120000	< 2500	< 12000	
TP-5	27-Jul-01	TPH																	
TP-5	27-Jul-01	VOCs	FH 4600				< 1000			< 1000						< 50000	< 1000	< 5000	
TP-5	30-Oct-01	TPH																	
TP-5	30-Oct-01	VOCs	FH 67000				< 2000			< 2000						< 100000	< 2000	< 10000	
TP-6	5-Sep-01	TPH				F 230000		< 10000	< 10000			< 10000							< 10000
TP-6	5-Sep-01	VOCs	< 1000				< 1000			< 1000						< 50000	< 1000	< 5000	
TP-6	18-Dec-01	TPH																	
TP-6	18-Dec-01	VOCs	< 100				< 100			< 100						< 5000	< 100	< 500	
TP-6	5-Mar-02	TPH																	
TP-6	5-Mar-02	VOCs	< 1				< 1			< 1						< 50	< 1	< 5	
TP-6	3-Jun-02	TPH																	
TP-6	3-Jun-02	VOCs	< 1				< 1			< 1						< 50	< 1	< 5	
TP-6	13-Aug-02	TPH																	
TP-6	13-Aug-02	VOCs	< 1				< 1			< 1						< 50	< 1	< 5	
TP-6	5-Dec-02	TPH																	
TP-6	5-Dec-02	VOCs	< 1				< 1			< 1						< 50	< 1	< 5	
TP-6	18-Mar-03	TPH																	
TP-6	18-Mar-03	VOCs	< 1				< 1			< 1						< 50	< 1	< 5	
TP-6	17-Jun-03	TPH				< 100			< 100			< 100							< 100
TP-6	17-Jun-03	VOCs	< 1				< 1			< 1						< 50	< 1	< 5	
TP-6 DUP	5-Mar-02	TPH																	
TP-6 DUP	5-Mar-02	VOCs	< 1				< 1			< 1						< 50	< 1	< 5	
TP-7	5-Sep-01	TPH				F 1000000		< 100000	< 100000			< 100000							< 100000
TP-7	5-Sep-01	VOCs	< 1000				< 1000			< 1000						< 50000	< 1000	< 5000	
TP-8	5-Sep-01	TPH				< 100		< 100	< 100			< 100							< 100
TP-8	5-Sep-01	VOCs	E 200				< 1			< 1						< 50	< 1	< 5	
TP-9	5-Sep-01	Metals											6.7						
TP-9	5-Sep-01	TPH				F 1100000		< 100000	< 100000			< 100000							< 100000
TP-9-2004	4-May-04	TPH																	
TP-9	5-Sep-01	VOCs	< 500				< 500			< 500						< 25000	< 500	< 2500	
B-7	10-Jan-02						130										20		

Notes:
All concentrations in ug/L (micrograms per liter)
< Less than detection limit shown
Blanks: Not analyzed
ND: Not detected
VOC: Volatile organic compound
TPH: Total petroleum hydrocarbon
Lab qualifiers in Section 1.0

Sample ID	Collected Date	Group	Misc_ TPH (C10-C40)	Miscellaneous TPH	Motor Oil	Motor Oil (C16-C33)	Naphthalene	n-Butyl benzene	n-Propyl benzene	p-Isopropyl toluene	sec-Butyl benzene	Selenium	Stoddard Solvent	tert-Butyl benzene	Tetrachloroethene	Toluene	TPH (GC/FID) High Fraction	TPH (GC/FID) Low Fraction
B48E1W	23-Jul-03	Metals																
B48E1W	23-Jul-03	TPH					< 10	< 5	< 5	< 5	< 5			<5	< 5	< 5		
B48E1W	23-Jul-03	VOCs				< 1000							< 1000					
B48I1W	11-Nov-02	TPH					< 5	< 5	< 5	< 5	< 5			< 5	< 5	< 5		
B48I1W	11-Nov-02	VOCs				< 1000							< 1000					
B48I2W	11-Nov-02	TPH					< 5	< 5	< 5	< 5	< 5			< 5	< 5	< 5		
B48I2W	11-Nov-02	VOCs				< 1000							< 1000					
B48N1W	11-Nov-02	TPH					< 5	< 5	< 5	< 5	< 5			< 5	< 5	< 5		
B48N1W	11-Nov-02	VOCs															110	
B48N1W	11-Dec-02	TPH					< 5	< 1	< 1	< 1	< 1			< 1	J3 3.4	< 5		
B48N1W	11-Dec-02	VOCs															480	
B48N1W	21-Mar-03	TPH					< 5	< 1	< 1	< 1	< 1			< 1	13	< 5		
B48N1W	21-Mar-03	VOCs																< 100
B48N1W	27-Jun-03	TPH	J3J4 170			< 100												
B48N1W	27-Jun-03	VOCs					< 5	< 1	< 1	< 1	< 1			< 1	27	< 5		
B48S10W	21-Nov-02	TPH															180	
B48S10W	21-Nov-02	VOCs														< 5		
B48S11W	1-Jul-03	TPH			< 1000								< 1000					
B48S11W	1-Jul-03	VOCs														< 5		
B48S1W	14-Nov-02	TPH				< 1000							< 1000					
B48S1W	14-Nov-02	VOCs														< 5		
B48S2W	15-Nov-02	TPH				< 1000							< 1000					
B48S2W	15-Nov-02	VOCs														< 5		
B48S3W	15-Nov-02	TPH				< 1000							< 1000					
B48S3W	15-Nov-02	VOCs														16.1		
B48S5W	19-Nov-02	TPH				< 1000							< 1000					
B48S5W	19-Nov-02	VOCs														36		
B48S6W	19-Nov-02	TPH				< 1000							< 1000					
B48S6W	19-Nov-02	VOCs														< 5		
B48S7W	20-Nov-02	TPH				< 1000							< 1000					
B48S7W	20-Nov-02	VOCs														59.6		
B48S8W	20-Nov-02	TPH				< 1000							< 1000					
B48S8W	20-Nov-02	VOCs														< 5		
B48S9W	21-Nov-02	TPH															1000	
B48S9W	21-Nov-02	VOCs														< 5		
B51W1W	2-Jul-03	TPH			< 1000								< 1000					
B51W1W	2-Jul-03	VOCs					< 2	< 2	< 2	< 2	< 2			< 2	4	<2		
B51W2W	2-Jul-03	TPH			< 1000													
B51W2W-2004	30-Apr-04	TPH														60.8		
B51W2W	2-Jul-03	VOCs																
B51W3W	24-Jul-03	Metals																
B51W3W	24-Jul-03	TPH					< 10	< 5	< 5	< 5	< 5				< 5	< 5		
B51W3W	24-Jul-03	VOCs					< 10	< 5	< 5	< 5	< 5				< 5	< 5		
B51W3W DUP	24-Jul-03	VOCs																
B51W4W	23-Jul-03	Metals																
B51W4W	23-Jul-03	Metals, Dissolved																
B51W4W	23-Jul-03	TPH					< 10	< 5	< 5	< 5	< 5				J 4.8	< 5		
B51W4W	23-Jul-03	VOCs																< 100
MW-10S	20-Feb-01	TPH		< 100		< 100												
MW10S-DIS-2004	4-May-04	TPH					< 1	< 1	< 1	< 1	< 1			< 1	< 1	< 1		
MW-10S	20-Feb-01	VOCs															7600	
MW-10S	27-Jul-01	TPH					< 1	< 1	< 1	< 1	< 1			< 1	< 1	< 5		
MW-10S	27-Jul-01	VOCs															F 300000	
MW-10S	29-Oct-01	TPH					< 3000	F 3600	< 1000	< 1000	F 2100			< 1000	< 1000	< 5000		
MW-10S	29-Oct-01	VOCs															FJ3 330000	
MW-10S	19-Dec-01	TPH					< 1	< 1	H 4	< 1	H 8.5			< 1	< 1	< 5		
MW-10S	19-Dec-01	VOCs															F 74000	
MW-10S	5-Mar-02	TPH																

Sample ID	Collected Date	Group	Misc_ TPH (C10-C40)	Miscellaneous TPH	Motor Oil	Motor Oil (C16-C33)	Naphthalene	n-Butyl benzene	n-Propyl benzene	p-Isopropyl toluene	sec-Butyl benzene	Selenium	Stoddard Solvent	tert-Butyl benzene	Tetrachloroethene	Toluene	TPH (GC/FID) High Fraction	TPH (GC/FID) Low Fraction
MW-10S	5-Mar-02	VOCs					< 25	< 5	FH 9.3	FH 6.4	FH 8.1			< 5	< 5	< 25		
MW-10S	3-Jun-02	TPH															F 140000	
MW-10S	3-Jun-02	VOCs					< 5	< 1	< 1	< 1	< 1			< 1	< 1	< 5		
MW-10S	17-Jun-03	TPH	< 1000			< 1000												< 100
MW-10S	17-Jun-03	VOCs					< 5	< 1	< 1	< 1	< 1			< 1	< 1	< 5		
MW-11S	20-Feb-01	TPH		< 100		< 100												< 100
MW-11S	20-Feb-01	VOCs					< 1	< 1	< 1	< 1	< 1			< 1	< 1	< 1		
MW-11S	25-Jul-01	TPH															< 100	
MW-11S	25-Jul-01	VOCs					< 1	< 1	< 1	< 1	< 1			< 1	29	< 5		
MW-11S	29-Oct-01	TPH															< 100	
MW-11S	29-Oct-01	VOCs					< 3	< 1	< 1	< 1	< 1			< 1	< 1	< 5		
MW-11S	17-Dec-01	TPH															< 100	
MW-11S	17-Dec-01	VOCs					< 1	< 1	< 1	< 1	< 1			< 1	< 1	< 5		
MW-11S	5-Mar-02	TPH															< 100	
MW-11S	5-Mar-02	VOCs					< 5	< 1	< 1	< 1	< 1			< 1	< 1	< 5		
MW-11S	3-Jun-02	TPH															< 100	
MW-11S	3-Jun-02	VOCs					< 5	< 1	< 1	< 1	< 1			< 1	< 1	< 5		
MW-11S	13-Aug-02	TPH															< 100	
MW-11S	13-Aug-02	VOCs					< 5	< 1	< 1	< 1	< 1			< 1	< 1	< 5		
MW-11S	5-Dec-02	TPH															< 100	
MW-11S	5-Dec-02	VOCs					< 5	< 1	< 1	< 1	< 1			< 1	< 1	< 5		
MW-11S	12-Mar-03	TPH																1400
MW-11S	12-Mar-03	VOCs					< 5	< 1	< 1	< 1	< 1			< 1	< 1	< 5		
MW-11S	17-Jun-03	TPH	< 100			< 100												
MW-11S	17-Jun-03	VOCs					< 5	13	3.6	3	6.8				< 5	< 5		
MW-6S	21-Apr-98	VOCs																650
MW-6S	22-Feb-01	TPH		< 100		J6 380												
MW-6S	22-Feb-01	VOCs					< 10	< 10	< 10	< 10	< 10			< 10	< 10	< 10		
MW-6S	27-Jul-01	TPH															< 100	
MW-6S	27-Jul-01	VOCs					< 1	< 1	< 1	< 1	< 1			< 1	< 1	< 5		
MW-6S	26-Oct-01	TPH															310	
MW-6S	19-Dec-01	TPH															J3 300	
MW-6S	19-Dec-01	VOCs					< 1	< 1	< 1	< 1	< 1			< 1	< 1	< 5		
MW-6S	8-Mar-02	TPH															190	
MW-6S	8-Mar-02	VOCs					< 5	< 1	< 1	< 1	< 1			< 1	< 1	< 5		
MW-6S	30-May-02	TPH															< 100	
MW-6S	30-May-02	VOCs					< 25	< 5	< 5	< 5	< 5			< 5	< 5	< 25		
MW-6S	19-Jun-03	TPH	540			< 100												< 100
MW-6S	19-Jun-03	VOCs					< 5	< 1	< 1	< 1	< 1			< 1	< 1	< 5		
MW-7S	22-Feb-01	TPH		< 100		< 100												E 45000
MW-7S-2004	4-May-04	TPH																
MW-7S	22-Feb-01	VOCs					< 500	< 500	< 500	< 500	< 500			< 500	EF 130000	< 500		
MW-7S	27-Jul-01	TPH															< 100	
MW-7S	27-Jul-01	VOCs					< 10000	< 10000	< 10000	< 10000	< 10000			< 10000	FH 66000	< 50000		
MW-7S	30-Oct-01	TPH															< 100	
MW-7S	30-Oct-01	VOCs					< 6000	< 2000	< 2000	< 2000	< 2000			< 2000	EFH 490000	< 10000		
MW-7S	13-Dec-01	TPH															230	
MW-7S	13-Dec-01	VOCs					< 1000	< 1000	< 1000	< 1000	< 1000			< 1000	EFH 64000	< 5000		
MW-7S	5-Mar-02	TPH															< 100	
MW-7S	5-Mar-02	VOCs					< 1200	< 250	< 250	< 250	< 250			< 250	EFHJ3 49000	< 1200		
MW-7S	30-May-02	TPH															< 100	
MW-7S	30-May-02	VOCs					< 5000	< 1000	< 1000	< 1000	< 1000			< 1000	EF 65000	< 5000		
MW-7S	19-Jun-03	TPH	6800			< 100												E 19000
MW-7S	19-Jun-03	VOCs					< 2500	< 500	< 500	< 500	< 500			< 500	E 89000	< 2500		
MW-8S	20-Feb-01	TPH		< 100		< 100												< 100
MW-8S	20-Feb-01	VOCs					< 1	< 1	< 1	< 1	< 1			< 1	4	< 1		
MW-8S	26-Jul-01	TPH															< 100	
MW-8S	26-Jul-01	VOCs					< 1	< 1	< 1	< 1	< 1			< 1	3	< 5		

App
Groundwater Data for : Demolished Area
Boeing Tract 1, St. Louis, Missouri

Sample ID	Collected Date	Group	Misc_ TPH (C10-C40)	Miscellaneous TPH	Motor Oil	Motor Oil (C16-C33)	Naphthalene	n-Butyl benzene	n-Propyl benzene	p-Isopropyl toluene	sec-Butyl benzene	Selenium	Stoddard Solvent	tert-Butyl benzene	Tetrachloroethene	Toluene	TPH (GC/FID) High Fraction	TPH (GC/FID) Low Fraction
MW-8S	29-Oct-01	TPH															150	
MW-8S	29-Oct-01	VOCs					< 3	< 1	< 1	< 1	< 1			< 1	6	< 5		
MW-8S	13-Dec-01	TPH															< 100	
MW-8S	13-Dec-01	VOCs					< 1	< 1	< 1	< 1	< 1			< 1	H 2.8	< 5		
MW-8S	7-Mar-02	TPH															< 100	
MW-8S	7-Mar-02	VOCs					< 5	< 1	< 1	< 1	< 1			< 1	< 1	< 5		
MW-8S	30-May-02	TPH															< 100	
MW-8S	30-May-02	VOCs					< 5	< 1	< 1	< 1	< 1			< 1	5	< 5		
MW-8S	8-Aug-02	TPH															110	
MW-8S	8-Aug-02	VOCs					< 5	< 1	< 1	< 1	< 1			< 1	H 3.3	< 5		
MW-8S	9-Dec-02	TPH															< 100	
MW-8S	9-Dec-02	VOCs					< 5	< 1	< 1	< 1	< 1			< 1	< 1	< 5		
MW-8S	18-Mar-03	TPH															130	
MW-8S	18-Mar-03	VOCs					< 5	< 1	< 1	< 1	< 1			< 1	2	< 5		
MW-8S	19-Jun-03	TPH	< 100			< 100												< 100
MW-8S	19-Jun-03	VOCs					< 5	< 1	< 1	< 1	< 1			< 1	32	< 5		
MW-8S DUP	26-Jul-01	TPH															< 100	
MW-8S DUP	26-Jul-01	VOCs					< 1	< 1	< 1	< 1	< 1			< 1	2	< 5		
MW-8S DUP	29-Oct-01	TPH															150	
MW-8S DUP	29-Oct-01	VOCs					< 3	< 1	< 1	< 1	< 1			< 1	5	< 5		
MW-8S DUP	13-Dec-01	TPH															< 100	
MW-8S DUP	13-Dec-01	VOCs					< 1	< 1	< 1	< 1	< 1			< 1	H 3.4	< 5		
MW-8S DUP	7-Mar-02	TPH															< 100	
MW-8S DUP	7-Mar-02	VOCs					< 5	< 1	< 1	< 1	< 1			< 1	3	< 5		
MW-8S DUP	30-May-02	TPH															< 100	
MW-8S DUP	30-May-02	VOCs					< 5	< 1	< 1	< 1	< 1			< 1	4	< 5		
MW-8S DUP	8-Aug-02	TPH															< 100	
MW-8S DUP	8-Aug-02	VOCs					< 5	< 1	< 1	< 1	< 1			< 1	3	< 5		
MW-8S DUP	18-Mar-03	VOCs					< 5	< 1	< 1	< 1	< 1			< 1	2	< 5		
MW-9S	21-Feb-01	TPH		< 100		< 100												< 100
MW-9S	21-Feb-01	VOCs					< 1	< 1	11	< 1	3.6			< 1	< 1	< 1		
MW-9S	27-Jul-01	TPH															6300	
MW-9S	27-Jul-01	VOCs					< 1	H 3.9	H 5.2	H 1.5	H 2			< 1	< 1	< 5		
MW-9S	30-Oct-01	TPH															6100	
MW-9S	30-Oct-01	VOCs					< 1	H 2.7	H 3.8	H 4.2	H 2.8			H 3.2	< 1	< 5		
MW-9S	19-Dec-01	TPH															J3 6700	
MW-9S	19-Dec-01	VOCs					< 50	< 50	< 50	< 50	< 50			< 50	< 50	< 250		
MW-9S	5-Mar-02	TPH															5300	
MW-9S	5-Mar-02	VOCs					< 5	H 2	H 3.5	H 2	H 2.6			< 1	< 1	< 5		
MW-9S	30-May-02	TPH															5400	
MW-9S	30-May-02	VOCs					< 250	< 50	< 50	< 50	< 50			< 50	EF 6900	< 250		
MW-9S	8-Aug-02	TPH															F 2900	
MW-9S	8-Aug-02	VOCs					< 120	< 25	< 25	< 25	< 25			< 25	< 25	< 120		
MW-9S	11-Dec-02	TPH															3500	
MW-9S	11-Dec-02	VOCs					< 5	< 1	< 1	< 1	1.4			< 1	< 1	< 5		
MW-9S	21-Mar-03	TPH															6400	
MW-9S	21-Mar-03	VOCs					< 5	1.5	2.9	1.8	2.2			< 1	< 1	< 5		
MW-9S	27-Jun-03	TPH	J3J4 2000			< 100												< 100
MW-9S	27-Jun-03	VOCs					< 5	2	2.9	< 1	1.5			< 1	< 1	< 5		
MW-9S DUP	27-Jul-01	TPH															5500	
MW-9S DUP	27-Jul-01	VOCs					H 1.4	H 2.6	H 4.1	H 1.2	H 1.7			< 1	< 1	< 5		
MW-9S DUP	30-Oct-01	TPH															6300	
MW-9S DUP	30-Oct-01	VOCs					< 1	H 2.2	H 4.4	H 4.3	H 3.3			H 3.2	< 1	< 5		
MW-9S DUP	19-Dec-01	TPH															J3 6300	
MW-9S DUP	19-Dec-01	VOCs					< 1	HJ4 5.3	H 7.4	H 4.4	H 5.4			H 1.9	< 1	< 5		
MW-9S DUP	21-Mar-03	TPH															6200	
MW-9S DUP	21-Mar-03	VOCs					< 5	1.8	3.4	1.9	2.4			< 1	< 1	< 5		
MW-A13W	20-Mar-03	TPH															3300	
MW-A13W	20-Mar-03	VOCs														< 25		

Sample ID	Collected Date	Group	Misc_ TPH (C10-C40)	Miscellaneous TPH	Motor Oil	Motor Oil (C16-C33)	Naphthalene	n-Butyl benzene	n-Propyl benzene	p-Isopropyl toluene	sec-Butyl benzene	Selenium	Stoddard Solvent	tert-Butyl benzene	Tetrachloroethene	Toluene	TPH (GC/FID) High Fraction	TPH (GC/FID) Low Fraction
MW-A8W	7-May-01	Metals																
MW-A8W	7-May-01	Metals, Dissolved																
MW-A8W	26-Jul-01	Metals													< 100	< 100		
MW-A8W	26-Jul-01	Metals, Dissolved													14	27		
SB12W	4-Dec-00	VOCs																
SB13W	4-Dec-00	VOCs					< 5	< 5	< 5		< 5			< 5	< 5	< 5		
SB17W	5-Dec-00	VOCs																
SB17W	6-Dec-00	TPH		344		< 128												
SB18W	5-Dec-00	VOCs					< 2500	< 2500	< 2500		< 2500			< 2500	86000	< 2500		
SB20W	6-Dec-00	VOCs					< 5	19	26		10			< 5	< 5	< 5		
TP-1	5-Feb-98	Metals										< 5						
TP-1	5-Feb-98	Metals, Dissolved													210000	< 25000		
TP-1	5-Feb-98	VOCs																E 110000
TP-1	23-Feb-01	TPH					< 1000	< 1000	< 1000	< 1000	< 1000			< 1000	EF 110000	< 1000		
TP-1	23-Feb-01	VOCs																
TP-1	28-Feb-01	TPH		< 100		570												
TP-10	5-Sep-01	TPH		2000		< 100												
TP-10	5-Sep-01	VOCs					< 1250	< 250	< 250	< 250	< 250			< 250	FH 10000	< 1200		
TP-11	5-Sep-01	TPH		< 4000		< 4000												
TP-11	5-Sep-01	VOCs					< 1250	< 250	< 250	< 250	< 250			< 250	F 4300	< 1200		
TP-12	5-Sep-01	VOCs					< 5	< 1	< 1	< 1	< 1			< 1	< 1	< 5		
TP-12	6-Sep-01	TPH		430		< 100												
TP-13	5-Sep-01	TPH		590		< 100												
TP-13	5-Sep-01	VOCs					< 5	< 1	< 1	< 1	< 1			< 1	< 1	< 5		
TP-14	6-Sep-01	TPH		< 10000		< 10000												
TP-14	6-Sep-01	VOCs					< 500	< 500	< 500	< 500	< 500			< 500	< 500	< 2500		
TP-15	6-Sep-01	TPH		< 100000		< 100000												
TP-15	6-Sep-01	VOCs					< 5000	< 5000	< 5000	< 5000	< 5000			< 5000	< 5000	< 25000		
TP-16	6-Sep-01	TPH		< 100000		< 100000												
TP-16	6-Sep-01	VOCs					< 50	FH 570	FH 200	< 50	FH 410			< 50	< 50	< 250		
TP-17	6-Sep-01	TPH		< 1000		< 1000												
TP-17	6-Sep-01	VOCs					< 10	< 10	< 10	< 10	< 10			< 10	F 270	< 50		
TP-17 DUP	6-Sep-01	TPH		2400		< 1000												
TP-17 DUP	6-Sep-01	VOCs					< 10	< 10	< 10	< 10	< 10			< 10	F 190	< 50		
TP-18	6-Sep-01	TPH		140		< 100												
TP-18	6-Sep-01	VOCs					< 1	< 1	< 1	< 1	< 1			< 1	< 1	< 5		
TP-19	6-Sep-01	TPH		160		< 100												
TP-19	6-Sep-01	VOCs					< 1	< 1	< 1	< 1	< 1			< 1	4	< 5		
TP-19 DUP	6-Sep-01	TPH		110		< 100												
TP-19 DUP	6-Sep-01	VOCs					< 1	< 1	< 1	< 1	< 1			< 1	4	< 5		
TP-2	6-Feb-98	VOCs													45000	7.3		
TP-2	23-Feb-01	TPH																10000
TP-2	23-Feb-01	VOCs					< 1	1.4	< 1	< 1	< 1			< 1	< 1	< 1		
TP-2	28-Feb-01	TPH		< 100		160												
TP-2	25-Jul-01	TPH															< 100	
TP-2	25-Jul-01	VOCs					< 250	< 250	< 250	< 250	< 250			< 250	FHJ3 12000	< 1200		
TP-2	30-Oct-01	TPH															190	
TP-2	30-Oct-01	VOCs					< 3000	< 1000	< 1000	< 1000	< 1000			< 1000	FH 12000	< 5000		
TP-2	18-Dec-01	TPH															J3J4 180	
TP-2	18-Dec-01	VOCs					< 50	< 50	< 50	< 50	< 50			< 50	EFH 17000	< 250		
TP-2	8-Mar-02	TPH															160	
TP-2	8-Mar-02	VOCs					< 5000	< 1000	< 1000	< 1000	< 1000			< 1000	FH 16000	< 5000		
TP-2	30-May-02	TPH															< 100	
TP-2	30-May-02	VOCs					< 2500	< 500	< 500	< 500	< 500			< 500	EFH 25000	< 2500		
TP-2	26-Jun-03	TPH	2000			< 100												E 20000
TP-2	26-Jun-03	VOCs					< 2500	< 500	< 500	< 500	< 500			< 500	25000	< 2500		
TP-20	13-Oct-01	TPH				< 1000												

Sample ID	Collected Date	Group	Misc_ TPH (C10-C40)	Miscellaneous TPH	Motor Oil	Motor Oil (C16-C33)	Naphthalene	n-Butyl benzene	n-Propyl benzene	p-Isopropyl toluene	sec-Butyl benzene	Selenium	Stoddard Solvent	tert-Butyl benzene	Tetrachloroethene	Toluene	TPH (GC/FID) High Fraction	TPH (GC/FID) Low Fraction
TP-20	15-Oct-01	VOCs													< 5	< 5		
TP-20 DUP	15-Oct-01	TPH		J4 570		< 100												
TP-20 DUP	15-Oct-01	VOCs					< 1	< 1	< 1	< 1	< 1			< 1	< 1	< 5		
TP-21	15-Oct-01	TPH				< 1000												
TP-21	15-Oct-01	VOCs													< 5	< 5		
TP-21 DUP	15-Oct-01	TPH				< 1000												
TP-21 DUP	15-Oct-01	VOCs													< 5	< 5		
TP-22	15-Oct-01	TPH				< 1000												
TP-22	15-Oct-01	VOCs													1541	< 5		
TP-23	15-Oct-01	TPH				< 1000												
TP-23	15-Oct-01	VOCs													< 5	9.6		
TP-24	15-Oct-01	TPH		< 10000		< 10000												
TP-24-2004	30-Apr-04	TPH																
TP-24	15-Oct-01	VOCs					< 1	< 1	< 1	< 1	H 34			< 1	< 1	< 5		
TP-24 DUP	15-Oct-01	TPH		FJ4 65000		< 10000												
TP-24 DUP	15-Oct-01	VOCs					< 1	< 1	< 1	< 1	H 23			< 1	< 1	< 5		
TP-25	15-Oct-01	VOCs					< 1	< 1	< 1	< 1	< 1			< 1	< 1	< 5		
TP-25	17-Oct-01	TPH		350		< 100												
TP-3	6-Feb-98	VOCs													< 5	< 5		
TP-3	23-Feb-01	TPH		< 1000		< 1000												E 21000
TP-3	23-Feb-01	VOCs					F 540	< 100	< 100	< 100	< 100			< 100	< 100	F 1200		
TP-3	25-Jul-01	TPH															7400	
TP-3	25-Jul-01	VOCs					< 1	< 1	H 4.2	< 1	H 10			< 1	< 1	< 5		
TP-3	29-Oct-01	TPH															6900	
TP-3	29-Oct-01	VOCs					< 3	H 12	H 3.5	H 2.2	H 6.1			< 1	< 1	< 5		
TP-3	19-Dec-01	TPH															J3 15000	
TP-3	19-Dec-01	VOCs					< 1	F 12	F 3.2	F 2.9	F 8.4			< 1	< 1	< 5		
TP-3	5-Mar-02	TPH															8800	
TP-3	5-Mar-02	VOCs					< 5	H 10	H 4.3	< 1	H 9.9			< 1	< 1	< 5		
TP-3	30-May-02	TPH															9800	
TP-3	30-May-02	VOCs					< 500	< 100	< 100	< 100	< 100			< 100	EF 7100	< 500		
TP-3	8-Aug-02	TPH															7500	
TP-3	8-Aug-02	VOCs					< 1000	< 200	< 200	< 200	< 200			< 200	< 200	< 1000		
TP-3	9-Dec-02	TPH															9100	
TP-3	9-Dec-02	VOCs					< 5	4	1.7	1.1	2.4			< 1	< 1	< 5		
TP-3	19-Mar-03	TPH															13000	
TP-3	19-Mar-03	VOCs					< 5	< 1	< 1	< 1	< 1			< 1	< 1	< 5		
TP-3	27-Jun-03	TPH	J3J4 5900			< 100												420
TP-3	27-Jun-03	VOCs					< 5	5.6	2.9	< 1	4.6			< 1	< 1	< 5		
TP-4	9-Feb-98	VOCs													17000	36		
TP-4	21-Feb-01	TPH		< 100		< 100												< 100
TP-4	21-Feb-01	VOCs					2.2	< 1	< 1	< 1	< 1			< 1	E 79	< 1		
TP-4	26-Jul-01	TPH															150	
TP-4	26-Jul-01	VOCs					H 5.4	< 1	< 1	< 1	< 1			< 1	EH 79	< 5		
TP-4	30-Oct-01	Metals, Dissolved																
TP-4	30-Oct-01	TPH															210	
TP-4	30-Oct-01	VOCs					< 6	< 2	< 2	< 2	< 2			< 2	EFH 150	< 10		
TP-4	18-Dec-01	TPH															J3J4 230	
TP-4	18-Dec-01	VOCs					< 15	< 1	< 1	< 1	< 1			< 1	H 35	< 5		
TP-4	8-Mar-02	TPH															120	
TP-4	8-Mar-02	VOCs					< 5	< 1	< 1	< 1	< 1			< 1	J3 42	< 5		
TP-4	30-May-02	VOCs					< 25	< 5	< 5	< 5	< 5			< 5	EFH 320	< 25		
TP-4	3-Jun-02	TPH															< 100	
TP-4	26-Jun-03	TPH	130			< 100												1600
TP-4	26-Jun-03	VOCs					< 5	< 1	< 1	< 1	< 1			< 1	E 2700	< 5		
TP-4 Dup	9-Feb-98	VOCs													11000	35		
TP-5	4-Dec-00	VOCs					< 2500	< 2500	< 2500		< 2500			< 2500	54000	< 2500		
TP-5	23-Feb-01	TPH		< 100		< 100												EJ6 27000

Sample ID	Collected Date	Group	Misc_ TPH (C10-C40)	Miscellaneous TPH	Motor Oil	Motor Oil (C16-C33)	Naphthalene	n-Butyl benzene	n-Propyl benzene	p-Isopropyl toluene	sec-Butyl benzene	Selenium	Stoddard Solvent	tert-Butyl benzene	Tetrachloroethene	Toluene	TPH (GC/FID) High Fraction	TPH (GC/FID) Low Fraction
TP-5	23-Feb-01	VOCs					< 2500	< 2500	< 2500	< 2500	< 2500			< 2500	F 44000	< 2500		
TP-5	27-Jul-01	TPH															< 100	
TP-5	27-Jul-01	VOCs					< 1000	< 1000	< 1000	< 1000	< 1000			< 1000	FH 31000	< 5000		
TP-5	30-Oct-01	TPH															< 100	
TP-5	30-Oct-01	VOCs					< 6000	< 2000	< 2000	< 2000	< 2000			< 2000	EFH 400000	< 10000		
TP-6	5-Sep-01	TPH		< 10000		< 10000												
TP-6	5-Sep-01	VOCs					< 5000	< 1000	< 1000	< 1000	< 1000			< 1000	< 1000	< 5000		
TP-6	18-Dec-01	TPH															FJ3J4 20000	
TP-6	18-Dec-01	VOCs					< 100	< 100	< 100	< 100	< 100			< 100	< 100	< 500		
TP-6	5-Mar-02	TPH															4300	
TP-6	5-Mar-02	VOCs					< 5	< 1	< 1	< 1	< 1			< 1	< 1	< 5		
TP-6	3-Jun-02	TPH															2800	
TP-6	3-Jun-02	VOCs					< 5	< 1	< 1	H 2.4	H 2.2			< 1	< 1	< 5		
TP-6	13-Aug-02	TPH															J3 2700	
TP-6	13-Aug-02	VOCs					< 5	HJ3J4 1.5	< 1	HJ3J4 1.1	HJ4 1.6			< 1	< 1	< 5		
TP-6	5-Dec-02	TPH															2500	
TP-6	5-Dec-02	VOCs					< 5	< 1	< 1	< 1	1.4			< 1	< 1	< 5		
TP-6	18-Mar-03	TPH															1600	
TP-6	18-Mar-03	VOCs					< 5	1	< 1	1.1	1.3			< 1	< 1	< 5		
TP-6	17-Jun-03	TPH	1300			< 100												< 100
TP-6	17-Jun-03	VOCs					< 5	< 1	< 1	1	1			< 1	< 1	< 5		
TP-6 DUP	5-Mar-02	TPH															3500	
TP-6 DUP	5-Mar-02	VOCs					< 5	< 1	< 1	< 1	< 1			< 1	< 1	< 5		
TP-7	5-Sep-01	TPH		< 100000		< 100000												
TP-7	5-Sep-01	VOCs					< 5000	< 1000	< 1000	< 1000	< 1000			< 1000	< 1000	< 5000		
TP-8	5-Sep-01	TPH		1400		< 100												
TP-8	5-Sep-01	VOCs					< 5	< 1	< 1	< 1	< 1			< 1	4	< 5		
TP-9	5-Sep-01	Metals										13						
TP-9	5-Sep-01	TPH		< 100000		< 100000												
TP-9-2004	4-May-04	TPH																
TP-9	5-Sep-01	VOCs					< 2500	< 500	< 500	< 500	< 500			< 500	< 500	< 2500		
B-7	10-Jan-02		112													33		

Notes:
All concentrations in ug/L (micrograms per liter)
< Less than detection limit shown
Blanks: Not analyzed
ND: Not detected
VOC: Volatile organic compound
TPH: Total petroleum hydrocarbon
Lab qualifiers in Section 1.0

App[illegible]2
Groundwater Data for [illegible]2: Demolished Area
Boeing Tract 1, St. Louis, Missouri

Sample ID	Collected Date	Group	TPH as Diesel	TPH as Gasoline	TPH as Hydraulic Fluid	TPH as Jet Fuel	TPH as Kerosene	TPH as Mineral Spirits	TPH as Motor Oil	trans-1,2-Dichloro ethene	Trichloro ethene	Trichlorofluoro methane	Vinyl chloride	Xylenes, Total	GRO (8260)
B48E1W	23-Jul-03	Metals													
B48E1W	23-Jul-03	TPH	420	< 1000	< 150	< 100	< 60	< 100	< 150						
B48E1W	23-Jul-03	VOCs								< 5	< 5	< 5	< 5	< 5	
B48I1W	11-Nov-02	TPH													
B48I1W	11-Nov-02	VOCs								< 5	< 5	< 5	< 5		
B48I2W	11-Nov-02	TPH													
B48I2W	11-Nov-02	VOCs								< 5	< 5	< 5	< 5		
B48N1W	11-Nov-02	TPH													
B48N1W	11-Nov-02	VOCs								< 5	< 5	< 5	< 5		
B48N1W	11-Dec-02	TPH													
B48N1W	11-Dec-02	VOCs								< 1	< 1	< 1	< 1	< 3	
B48N1W	21-Mar-03	TPH													
B48N1W	21-Mar-03	VOCs								< 1	2.8	< 1	< 1	< 3	
B48N1W	27-Jun-03	TPH													
B48N1W	27-Jun-03	VOCs								< 1	6.7	< 1	< 1	< 3	
B48S10W	21-Nov-02	TPH													
B48S10W	21-Nov-02	VOCs												< 1.5	
B48S11W	1-Jul-03	TPH													
B48S11W	1-Jul-03	VOCs												< 5	
B48S1W	14-Nov-02	TPH													
B48S1W	14-Nov-02	VOCs												< 5	
B48S2W	15-Nov-02	TPH													
B48S2W	15-Nov-02	VOCs												< 5	
B48S3W	15-Nov-02	TPH													
B48S3W	15-Nov-02	VOCs												< 5	
B48S5W	19-Nov-02	TPH													
B48S5W	19-Nov-02	VOCs												17.1	
B48S6W	19-Nov-02	TPH													
B48S6W	19-Nov-02	VOCs												< 5	
B48S7W	20-Nov-02	TPH													
B48S7W	20-Nov-02	VOCs												23.6	
B48S8W	20-Nov-02	TPH													
B48S8W	20-Nov-02	VOCs												< 5	
B48S9W	21-Nov-02	TPH													
B48S9W	21-Nov-02	VOCs												< 1.5	
B51W1W	2-Jul-03	TPH													
B51W1W	2-Jul-03	VOCs								< 2	< 2	< 2	< 2	< 5	
B51W2W	2-Jul-03	TPH													
B51W2W-2004	30-Apr-04	TPH												179	
B51W2W	2-Jul-03	VOCs													
B51W3W	24-Jul-03	Metals													
B51W3W	24-Jul-03	TPH	< 100	< 1000	< 150	< 100	309	< 100	< 150						
B51W3W	24-Jul-03	VOCs								< 5	< 5	< 5	< 5	< 5	
B51W3W DUP	24-Jul-03	VOCs								< 5	< 5	< 5	< 5		
B51W4W	23-Jul-03	Metals													
B51W4W	23-Jul-03	Metals, Dissolved													
B51W4W	23-Jul-03	TPH	< 100	< 1000	< 150	< 100	< 60	< 100	< 150						
B51W4W	23-Jul-03	VOCs								< 5	< 5	< 5	< 5	< 5	
MW-10S	20-Feb-01	TPH													
MW10S-DIS-2004	4-May-04	TPH													
MW-10S	20-Feb-01	VOCs								< 1	< 1	< 1	< 1	< 3	
MW-10S	27-Jul-01	TPH													
MW-10S	27-Jul-01	VOCs								< 1	< 1	< 1	< 1	< 3	
MW-10S	29-Oct-01	TPH													
MW-10S	29-Oct-01	VOCs								< 1000	< 1000	< 1000	< 1000	< 3000	
MW-10S	19-Dec-01	TPH													
MW-10S	19-Dec-01	VOCs								< 1	< 1	< 1	< 1	< 3	
MW-10S	5-Mar-02	TPH													

App[illegible]
Groundwater Data for [illegible]: Demolished Area
Boeing Tract 1, St. Louis, Missouri

Sample ID	Collected Date	Group	TPH as Diesel	TPH as Gasoline	TPH as Hydraulic Fluid	TPH as Jet Fuel	TPH as Kerosene	TPH as Mineral Spirits	TPH as Motor Oil	trans-1,2-Dichloro ethene	Trichloro ethene	Trichlorofluor omethane	Vinyl chloride	Xylenes, Total	GRO (8260)
MW-10S	5-Mar-02	VOCs								< 5	< 5	< 5	< 5	< 15	
MW-10S	3-Jun-02	TPH													
MW-10S	3-Jun-02	VOCs								< 1	< 1	< 1	< 1	< 3	
MW-10S	17-Jun-03	TPH													
MW-10S	17-Jun-03	VOCs								< 1	< 1	< 1	< 1	< 3	
MW-11S	20-Feb-01	TPH													
MW-11S	20-Feb-01	VOCs								< 1	< 1	< 1	< 1	< 3	
MW-11S	25-Jul-01	TPH													
MW-11S	25-Jul-01	VOCs								< 1	8.9	< 1	< 1	< 3	
MW-11S	29-Oct-01	TPH													
MW-11S	29-Oct-01	VOCs								< 1	< 1	< 1	< 1	< 3	
MW-11S	17-Dec-01	TPH													
MW-11S	17-Dec-01	VOCs								< 1	< 1	< 1	< 1	< 3	
MW-11S	5-Mar-02	TPH													
MW-11S	5-Mar-02	VOCs								< 1	< 1	< 1	< 1	< 3	
MW-11S	3-Jun-02	TPH													
MW-11S	3-Jun-02	VOCs								< 1	< 1	< 1	< 1	< 3	
MW-11S	13-Aug-02	TPH													
MW-11S	13-Aug-02	VOCs								< 1	< 1	< 1	< 1	< 3	
MW-11S	5-Dec-02	TPH													
MW-11S	5-Dec-02	VOCs								< 1	< 1	< 1	< 1	< 3	
MW-11S	12-Mar-03	TPH													
MW-11S	12-Mar-03	VOCs								< 1	< 1	< 1	< 1	< 3	
MW-11S	17-Jun-03	TPH													
MW-11S	17-Jun-03	VOCs								< 1	< 1	< 1	< 1	< 3	
MW-6S	21-Apr-98	VOCs								55	370		940	< 5	
MW-6S	22-Feb-01	TPH													
MW-6S	22-Feb-01	VOCs								< 10	F 120	< 10	F 53	< 30	
MW-6S	27-Jul-01	TPH													
MW-6S	27-Jul-01	VOCs								< 1	< 1	< 1	HJ3 16	< 3	
MW-6S	26-Oct-01	TPH													
MW-6S	19-Dec-01	TPH													
MW-6S	19-Dec-01	VOCs								< 1	< 1	< 1	H 7.5	< 3	
MW-6S	8-Mar-02	TPH													
MW-6S	8-Mar-02	VOCs								< 1	< 1	< 1	19	< 3	
MW-6S	30-May-02	TPH													
MW-6S	30-May-02	VOCs								< 5	< 5	< 5	FH 9	< 15	
MW-6S	19-Jun-03	TPH													
MW-6S	19-Jun-03	VOCs								J4 1.8	< 1	< 1	29	< 3	
MW-7S	22-Feb-01	TPH													
MW-7S-2004	4-May-04	TPH													
MW-7S	22-Feb-01	VOCs								< 500	F 10000	< 500	< 500	< 1500	
MW-7S	27-Jul-01	TPH													
MW-7S	27-Jul-01	VOCs								< 10000	< 10000	< 10000	< 10000	< 30000	
MW-7S	30-Oct-01	TPH													
MW-7S	30-Oct-01	VOCs								< 2000	FH 72000	< 2000	< 2000	< 6000	
MW-7S	13-Dec-01	TPH													
MW-7S	13-Dec-01	VOCs								< 1000	FH 5800	< 1000	< 1000	< 3000	
MW-7S	5-Mar-02	TPH													
MW-7S	5-Mar-02	VOCs								< 250	FH 5500	< 250	< 250	< 750	
MW-7S	30-May-02	TPH													
MW-7S	30-May-02	VOCs								< 1000	F 5100	< 1000	< 1000	< 3000	
MW-7S	19-Jun-03	TPH													
MW-7S	19-Jun-03	VOCs								< 500	6200	< 500	< 500	< 1500	
MW-8S	20-Feb-01	TPH													
MW-8S	20-Feb-01	VOCs								< 1	< 1	< 1	< 1	< 3	
MW-8S	26-Jul-01	TPH													
MW-8S	26-Jul-01	VOCs								< 1	< 1	< 1	< 1	< 3	

Sample ID	Collected Date	Group	TPH as Diesel	TPH as Gasoline	TPH as Hydraulic Fluid	TPH as Jet Fuel	TPH as Kerosene	TPH as Mineral Spirits	TPH as Motor Oil	trans-1,2-Dichloro ethene	Trichloro ethene	Trichlorofluoro methane	Vinyl chloride	Xylenes, Total	GRO (8260)
MW-8S	29-Oct-01	TPH													
MW-8S	29-Oct-01	VOCs								< 1	< 1	< 1	< 1	< 3	
MW-8S	13-Dec-01	TPH													
MW-8S	13-Dec-01	VOCs								< 1	< 1	< 1	< 1	< 3	
MW-8S	7-Mar-02	TPH													
MW-8S	7-Mar-02	VOCs								< 1	< 1	< 1	< 1	< 3	
MW-8S	30-May-02	TPH													
MW-8S	30-May-02	VOCs								< 1	1.6	< 1	< 1	< 3	
MW-8S	8-Aug-02	TPH													
MW-8S	8-Aug-02	VOCs								< 1	< 1	< 1	< 1	< 3	
MW-8S	9-Dec-02	TPH													
MW-8S	9-Dec-02	VOCs								< 1	< 1	< 1	< 1	< 3	
MW-8S	18-Mar-03	TPH													
MW-8S	18-Mar-03	VOCs								< 1	< 1	< 1	< 1	< 3	
MW-8S	19-Jun-03	TPH													
MW-8S	19-Jun-03	VOCs								< 1	J4 1.6	< 1	< 1	< 3	
MW-8S DUP	26-Jul-01	TPH													
MW-8S DUP	26-Jul-01	VOCs								< 1	< 1	< 1	< 1	< 3	
MW-8S DUP	29-Oct-01	TPH													
MW-8S DUP	29-Oct-01	VOCs								< 1	< 1	< 1	< 1	< 3	
MW-8S DUP	13-Dec-01	TPH													
MW-8S DUP	13-Dec-01	VOCs								< 1	< 1	< 1	< 1	< 3	
MW-8S DUP	7-Mar-02	TPH													
MW-8S DUP	7-Mar-02	VOCs								< 1	< 1	< 1	< 1	< 3	
MW-8S DUP	30-May-02	TPH													
MW-8S DUP	30-May-02	VOCs								< 1	< 1	< 1	< 1	< 3	
MW-8S DUP	8-Aug-02	TPH													
MW-8S DUP	8-Aug-02	VOCs								< 1	< 1	< 1	< 1	< 3	
MW-8S DUP	18-Mar-03	VOCs								< 1	< 1	< 1	< 1	< 3	
MW-9S	21-Feb-01	TPH													
MW-9S	21-Feb-01	VOCs								< 1	< 1	< 1	< 1	< 3	
MW-9S	27-Jul-01	TPH													
MW-9S	27-Jul-01	VOCs								< 1	H 1.2	< 1	< 1	< 3	
MW-9S	30-Oct-01	TPH													
MW-9S	30-Oct-01	VOCs								< 1	< 1	< 1	< 1	H 4.1	
MW-9S	19-Dec-01	TPH													
MW-9S	19-Dec-01	VOCs								< 50	F 52	< 50	< 50	< 150	
MW-9S	5-Mar-02	TPH													
MW-9S	5-Mar-02	VOCs								< 1	< 1	< 1	< 1	< 3	
MW-9S	30-May-02	TPH													
MW-9S	30-May-02	VOCs								< 50	EF 3800	< 50	F 55	< 150	
MW-9S	8-Aug-02	TPH													
MW-9S	8-Aug-02	VOCs								< 25	F 460	< 25	< 25	< 75	
MW-9S	11-Dec-02	TPH													
MW-9S	11-Dec-02	VOCs								< 1	< 1	< 1	< 1	< 3	
MW-9S	21-Mar-03	TPH													
MW-9S	21-Mar-03	VOCs								< 1	< 1	< 1	< 1	< 3	
MW-9S	27-Jun-03	TPH													
MW-9S	27-Jun-03	VOCs								< 1	< 1	< 1	< 1	< 3	
MW-9S DUP	27-Jul-01	TPH													
MW-9S DUP	27-Jul-01	VOCs								< 1	H 1	< 1	< 1	< 3	
MW-9S DUP	30-Oct-01	TPH													
MW-9S DUP	30-Oct-01	VOCs								< 1	< 1	< 1	< 1	H 4.3	
MW-9S DUP	19-Dec-01	TPH													
MW-9S DUP	19-Dec-01	VOCs								< 1	< 1	< 1	< 1	H 5.5	
MW-9S DUP	21-Mar-03	TPH													
MW-9S DUP	21-Mar-03	VOCs								< 1	< 1	< 1	< 1	< 3	
MW-A13W	20-Mar-03	TPH													
MW-A13W	20-Mar-03	VOCs												15	

Sample ID	Collected Date	Group	TPH as Diesel	TPH as Gasoline	TPH as Hydraulic Fluid	TPH as Jet Fuel	TPH as Kerosene	TPH as Mineral Spirits	TPH as Motor Oil	trans-1,2-Dichloro ethene	Trichloro ethene	Trichlorofluor omethane	Vinyl chloride	Xylenes, Total	GRO (8260)
MW-A8W	7-May-01	Metals													
MW-A8W	7-May-01	Metals, Dissolved													
MW-A8W	26-Jul-01	Metals													
MW-A8W	26-Jul-01	Metals, Dissolved													
SB12W	4-Dec-00	VOCs								< 50	< 100		< 100	< 100	
SB13W	4-Dec-00	VOCs								2.5	6.6		< 5	10	
SB17W	5-Dec-00	VOCs								< 5	< 5	< 10	< 10	< 5	
SB17W	6-Dec-00	TPH													
SB18W	5-Dec-00	VOCs								< 2500	J 920	< 5000	< 5000	< 2500	
SB20W	6-Dec-00	VOCs								< 5	< 5	< 10	< 10	< 5	
TP-1	5-Feb-98	Metals													
TP-1	5-Feb-98	Metals, Dissolved								150	< 25000		< 50000	160	
TP-1	5-Feb-98	VOCs													
TP-1	23-Feb-01	TPH								< 1000	F 4200	< 1000	< 1000	< 3000	
TP-1	23-Feb-01	VOCs													
TP-1	28-Feb-01	TPH													
TP-10	5-Sep-01	TPH								< 250	FH 1100	< 250	< 250	< 750	
TP-10	5-Sep-01	VOCs													
TP-11	5-Sep-01	TPH								< 250	FH 860	< 250	F 1600	< 750	
TP-11	5-Sep-01	VOCs								< 1	< 1	< 1	< 1	< 3	
TP-12	5-Sep-01	VOCs													
TP-12	6-Sep-01	TPH													
TP-13	5-Sep-01	TPH								< 1	< 1	< 1	< 1	< 3	
TP-13	5-Sep-01	VOCs													
TP-14	6-Sep-01	TPH								< 500	< 500	< 500	< 500	< 1500	
TP-14	6-Sep-01	VOCs													
TP-15	6-Sep-01	TPH								< 5000	< 5000	< 5000	< 5000	< 15000	
TP-15	6-Sep-01	VOCs													
TP-16	6-Sep-01	TPH								< 50	< 50	< 50	< 50	< 150	
TP-16	6-Sep-01	VOCs													
TP-17	6-Sep-01	TPH								< 10	F 15	< 10	< 10	< 30	
TP-17	6-Sep-01	VOCs													
TP-17 DUP	6-Sep-01	TPH								< 10	< 10	< 10	< 10	< 30	
TP-17 DUP	6-Sep-01	VOCs													
TP-18	6-Sep-01	TPH								1.6	< 1	< 1	1	< 3	
TP-18	6-Sep-01	VOCs													
TP-19	6-Sep-01	TPH								< 1	1.3	< 1	< 1	< 3	
TP-19	6-Sep-01	VOCs													
TP-19 DUP	6-Sep-01	TPH								< 1	1.4	< 1	< 1	< 3	
TP-19 DUP	6-Sep-01	VOCs								30	6000		< 10	< 5	
TP-2	6-Feb-98	VOCs													
TP-2	23-Feb-01	TPH								< 1	< 1	< 1	< 1	< 3	
TP-2	23-Feb-01	VOCs													
TP-2	28-Feb-01	TPH													
TP-2	25-Jul-01	TPH								< 250	FH 3200	< 250	< 250	< 750	
TP-2	25-Jul-01	VOCs													
TP-2	30-Oct-01	TPH								< 1000	FH 4200	< 1000	< 1000	< 3000	
TP-2	30-Oct-01	VOCs													
TP-2	18-Dec-01	TPH								< 50	EFH 3800	< 50	FH 70	< 150	
TP-2	18-Dec-01	VOCs													
TP-2	8-Mar-02	TPH								< 1000	FH 4100	< 1000	< 1000	< 3000	
TP-2	8-Mar-02	VOCs													
TP-2	30-May-02	TPH								< 500	FH 5600	< 500	< 500	< 1500	
TP-2	30-May-02	VOCs													
TP-2	26-Jun-03	TPH								< 500	J4 6000	< 500	< 500	< 1500	
TP-2	26-Jun-03	VOCs													
TP-20	15-Oct-01	TPH													

Sample ID	Collected Date	Group	TPH as Diesel	TPH as Gasoline	TPH as Hydraulic Fluid	TPH as Jet Fuel	TPH as Kerosene	TPH as Mineral Spirits	TPH as Motor Oil	trans-1,2-Dichloro ethene	Trichloro ethene	Trichlorofluor omethane	Vinyl chloride	Xylenes, Total	GRO (8260)
TP-20	15-Oct-01	VOCs								< 5	< 5		30.1	< 5	
TP-20 DUP	15-Oct-01	TPH													
TP-20 DUP	15-Oct-01	VOCs								11	< 1	< 1	E 55	< 3	
TP-21	15-Oct-01	TPH													
TP-21	15-Oct-01	VOCs								< 5	< 5		26.3	< 5	
TP-21 DUP	15-Oct-01	TPH													
TP-21 DUP	15-Oct-01	VOCs								< 5	< 5		31.5	< 5	
TP-22	15-Oct-01	TPH													
TP-22	15-Oct-01	VOCs								5.3	139.9		108.1	< 5	
TP-23	15-Oct-01	TPH													
TP-23	15-Oct-01	VOCs								< 5	< 5		< 5	195.8	
TP-24	15-Oct-01	TPH													
TP-24-2004	30-Apr-04	TPH													
TP-24	15-Oct-01	VOCs								< 1	< 1	< 1	< 1	< 3	
TP-24 DUP	15-Oct-01	TPH													
TP-24 DUP	15-Oct-01	VOCs								< 1	< 1	< 1	< 1	< 3	
TP-25	15-Oct-01	VOCs								< 1	< 1	< 1	< 1	< 3	
TP-25	17-Oct-01	TPH													
TP-3	6-Feb-98	VOCs								< 5	< 5		< 10	< 5	
TP-3	23-Feb-01	TPH													
TP-3	23-Feb-01	VOCs								< 100	< 100	< 100	< 100	F 1200	
TP-3	25-Jul-01	TPH													
TP-3	25-Jul-01	VOCs								< 1	< 1	< 1	< 1	< 3	
TP-3	29-Oct-01	TPH													
TP-3	29-Oct-01	VOCs								< 1	< 1	< 1	< 1	< 3	
TP-3	19-Dec-01	TPH													
TP-3	19-Dec-01	VOCs								< 1	< 1	< 1	< 1	< 3	
TP-3	5-Mar-02	TPH													
TP-3	5-Mar-02	VOCs								< 1	< 1	< 1	< 1	< 3	
TP-3	30-May-02	TPH													
TP-3	30-May-02	VOCs								< 100	F 4800	< 100	< 100	< 300	
TP-3	8-Aug-02	TPH													
TP-3	8-Aug-02	VOCs								< 200	F 5300	< 200	< 200	< 600	
TP-3	9-Dec-02	TPH													
TP-3	9-Dec-02	VOCs								< 1	< 1	< 1	< 1	< 3	
TP-3	19-Mar-03	TPH													
TP-3	19-Mar-03	VOCs								< 1	< 1	< 1	< 1	< 3	
TP-3	27-Jun-03	TPH													
TP-3	27-Jun-03	VOCs								< 1	< 1	< 1	< 1	< 3	
TP-4	9-Feb-98	VOCs								6.3	150		< 10	17	
TP-4	21-Feb-01	TPH													
TP-4	21-Feb-01	VOCs								1.4	8.7	< 1	2	< 3	
TP-4	26-Jul-01	TPH													
TP-4	26-Jul-01	VOCs								< 1	H 6.7	< 1	H 1.3	< 3	
TP-4	30-Oct-01	Metals, Dissolved													
TP-4	30-Oct-01	TPH													
TP-4	30-Oct-01	VOCs								< 2	FH 33	< 2	FH 5	< 6	
TP-4	18-Dec-01	TPH													
TP-4	18-Dec-01	VOCs								< 1	H 10	< 1	H 5.2	< 3	
TP-4	8-Mar-02	TPH													
TP-4	8-Mar-02	VOCs								< 1	7.2	< 1	6.4	< 3	
TP-4	30-May-02	VOCs								< 5	FH 43	< 5	FHJ4 6.2	< 15	
TP-4	3-Jun-02	TPH													
TP-4	26-Jun-03	TPH													
TP-4	26-Jun-03	VOCs								1.1	160	2.5	5.3	< 3	
TP-4 Dup	9-Feb-98	VOCs								5.8	150		< 10	16	
TP-5	4-Dec-00	VOCs								< 2500	4600	< 5000	< 5000	< 5000	
TP-5	23-Feb-01	TPH													

Sample ID	Collected Date	Group	TPH as Diesel	TPH as Gasoline	TPH as Hydraulic Fluid	TPH as Jet Fuel	TPH as Kerosene	TPH as Mineral Spirits	TPH as Motor Oil	trans-1,2-Dichloro ethene	Trichloro ethene	Trichlorofluor omethane	Vinyl chloride	Xylenes, Total	GRO (8260)
TP-5	23-Feb-01	VOCs								< 2500	F 4400	< 2500	< 2500	< 7500	
TP-5	27-Jul-01	TPH													
TP-5	27-Jul-01	VOCs								< 1000	FH 5900	< 1000	< 1000	< 3000	
TP-5	30-Oct-01	TPH													
TP-5	30-Oct-01	VOCs								< 2000	FH 84000	< 2000	FH 4400	< 6000	
TP-6	5-Sep-01	TPH													
TP-6	5-Sep-01	VOCs								< 1000	< 1000	< 1000	< 1000	< 3000	
TP-6	18-Dec-01	TPH													
TP-6	18-Dec-01	VOCs								< 100	F 2900	< 100	< 100	< 300	
TP-6	5-Mar-02	TPH													
TP-6	5-Mar-02	VOCs								< 1	< 1	< 1	< 1	< 3	
TP-6	3-Jun-02	TPH													
TP-6	3-Jun-02	VOCs								< 1	H 1.9	< 1	< 1	< 3	
TP-6	13-Aug-02	TPH													
TP-6	13-Aug-02	VOCs								< 1	< 1	< 1	< 1	< 3	
TP-6	5-Dec-02	TPH													
TP-6	5-Dec-02	VOCs								< 1	< 1	< 1	< 1	< 3	
TP-6	18-Mar-03	TPH													
TP-6	18-Mar-03	VOCs								< 1	< 1	< 1	< 1	< 3	
TP-6	17-Jun-03	TPH													
TP-6	17-Jun-03	VOCs								< 1	< 1	< 1	< 1	< 3	
TP-6 DUP	5-Mar-02	TPH													
TP-6 DUP	5-Mar-02	VOCs								< 1	< 1	< 1	< 1	< 3	
TP-7	5-Sep-01	TPH													
TP-7	5-Sep-01	VOCs								< 1000	< 1000	< 1000	< 1000	< 3000	
TP-8	5-Sep-01	TPH													
TP-8	5-Sep-01	VOCs								4.2	< 1	< 1	E 120	< 3	
TP-9	5-Sep-01	Metals													
TP-9	5-Sep-01	TPH													
TP-9-2004	4-May-04	TPH													
TP-9	5-Sep-01	VOCs								< 500	< 500	< 500	< 500	< 1500	
B-7	10-Jan-02													140	

Notes:
All concentrations in ug/L (micrograms per liter)
< Less than detection limit shown
Blanks: Not analyzed
ND: Not detected
VOC: Volatile organic compound
TPH: Total petroleum hydrocarbon
Lab qualifiers in Section 1.0

Sample ID	Collected Date	Group	nC6 to nC12 (TX1005-GRO)	>nC12 to nC28 (TX1005-DRO)	>nC28 to nC35 (TX1005-ORO)	Aliphatics nC6 (TX1006)	Aliphatics >nC6 to nC8 (TX1006)	Aliphatics >nC8 to nC10 (TX1006)	Aliphatics >nC10 to nC12 (TX1006)	Aliphatics >nC12 to nC16 (TX1006)	Aliphatics >nC16 to nC21 (TX1006)	Aliphatics >nC21 to nC35 (TX1006)	Aromatics >nC7 to nC8 (TX1006)	Aromatics >nC8 to nC10 (TX1006)	Aromatics >nC10 to nC12 (TX1006)	Aromatics >nC12 to nC16 (TX1006)	Aromatics >nC16 to nC21 (TX1006)	Aromatics >nC21 to nC35 (TX1006)
B48E1W	23-Jul-03	Metals																
B48E1W	23-Jul-03	TPH																
B48E1W	23-Jul-03	VOCs																
B48I1W	11-Nov-02	TPH																
B48I1W	11-Nov-02	VOCs																
B48I2W	11-Nov-02	TPH																
B48I2W	11-Nov-02	VOCs																
B48N1W	11-Nov-02	TPH																
B48N1W	11-Nov-02	VOCs																
B48N1W	11-Dec-02	TPH																
B48N1W	11-Dec-02	VOCs																
B48N1W	21-Mar-03	TPH																
B48N1W	21-Mar-03	VOCs																
B48N1W	27-Jun-03	TPH																
B48N1W	27-Jun-03	VOCs																
B48S10W	21-Nov-02	TPH																
B48S10W	21-Nov-02	VOCs																
B48S11W	1-Jul-03	TPH																
B48S11W	1-Jul-03	VOCs																
B48S1W	14-Nov-02	TPH																
B48S1W	14-Nov-02	VOCs																
B48S2W	15-Nov-02	TPH																
B48S2W	15-Nov-02	VOCs																
B48S3W	15-Nov-02	TPH																
B48S3W	15-Nov-02	VOCs																
B48S5W	19-Nov-02	TPH																
B48S5W	19-Nov-02	VOCs																
B48S6W	19-Nov-02	TPH																
B48S6W	19-Nov-02	VOCs																
B48S7W	20-Nov-02	TPH																
B48S7W	20-Nov-02	VOCs																
B48S8W	20-Nov-02	TPH																
B48S8W	20-Nov-02	VOCs																
B48S9W	21-Nov-02	TPH																
B48S9W	21-Nov-02	VOCs																
B51W1W	2-Jul-03	TPH																
B51W1W	2-Jul-03	VOCs																
B51W2W	2-Jul-03	TPH																
B51W2W-2004	30-Apr-04	TPH	<500	<500	<500													
B51W2W	2-Jul-03	VOCs																
B51W3W	24-Jul-03	Metals																
B51W3W	24-Jul-03	TPH																
B51W3W	24-Jul-03	VOCs																
B51W3W DUP	24-Jul-03	VOCs																
B51W4W	23-Jul-03	Metals																
B51W4W	23-Jul-03	Metals, Dissolved																
B51W4W	23-Jul-03	TPH																
B51W4W	23-Jul-03	VOCs																
MW-10S	20-Feb-01	TPH																
MW10S-DIS-2004	4-May-04	TPH	<500	38000	<500	<1000	<1000	<1000	4000	12000	18000	<1000	<1000	<1000	<1000	<1000	3000	<1000
MW-10S	20-Feb-01	VOCs																
MW-10S	27-Jul-01	TPH																
MW-10S	27-Jul-01	VOCs																
MW-10S	29-Oct-01	TPH																
MW-10S	29-Oct-01	VOCs																
MW-10S	19-Dec-01	TPH																
MW-10S	19-Dec-01	VOCs																
MW-10S	5-Mar-02	TPH																

Sample ID	Collected Date	Group	nC6 to nC12 (TX1005-GRO)	>nC12 to nC28 (TX1005-DRO)	>nC28 to nC35 (TX1005-ORO)	Aliphatics nC6 (TX1006)	Aliphatics >nC6 to nC8 (TX1006)	Aliphatics >nC8 to nC10 (TX1006)	Aliphatics >nC10 to nC12 (TX1006)	Aliphatics >nC12 to nC16 (TX1006)	Aliphatics >nC16 to nC21 (TX1006)	Aliphatics >nC21 to nC35 (TX1006)	Aromatics >nC7 to nC8 (TX1006)	Aromatics >nC8 to nC10 (TX1006)	Aromatics >nC10 to nC12 (TX1006)	Aromatics >nC12 to nC16 (TX1006)	Aromatics >nC16 to nC21 (TX1006)	Aromatics >nC21 to nC35 (TX1006)
MW-10S	5-Mar-02	VOCs																
MW-10S	3-Jun-02	TPH																
MW-10S	3-Jun-02	VOCs																
MW-10S	17-Jun-03	TPH																
MW-10S	17-Jun-03	VOCs																
MW-11S	20-Feb-01	TPH																
MW-11S	20-Feb-01	VOCs																
MW-11S	25-Jul-01	TPH																
MW-11S	25-Jul-01	VOCs																
MW-11S	29-Oct-01	TPH																
MW-11S	29-Oct-01	VOCs																
MW-11S	17-Dec-01	TPH																
MW-11S	17-Dec-01	VOCs																
MW-11S	5-Mar-02	TPH																
MW-11S	5-Mar-02	VOCs																
MW-11S	3-Jun-02	TPH																
MW-11S	3-Jun-02	VOCs																
MW-11S	13-Aug-02	TPH																
MW-11S	13-Aug-02	VOCs																
MW-11S	5-Dec-02	TPH																
MW-11S	5-Dec-02	VOCs																
MW-11S	12-Mar-03	TPH																
MW-11S	12-Mar-03	VOCs																
MW-11S	17-Jun-03	TPH																
MW-11S	17-Jun-03	VOCs																
MW-6S	21-Apr-98	VOCs																
MW-6S	22-Feb-01	TPH																
MW-6S	22-Feb-01	VOCs																
MW-6S	27-Jul-01	TPH																
MW-6S	27-Jul-01	VOCs																
MW-6S	26-Oct-01	TPH																
MW-6S	19-Dec-01	TPH																
MW-6S	19-Dec-01	VOCs																
MW-6S	8-Mar-02	TPH																
MW-6S	8-Mar-02	VOCs																
MW-6S	30-May-02	TPH																
MW-6S	30-May-02	VOCs																
MW-6S	19-Jun-03	TPH																
MW-6S	19-Jun-03	VOCs																
MW-7S	22-Feb-01	TPH																
MW-7S-2004	4-May-04	TPH	<500	<500	<500													
MW-7S	22-Feb-01	VOCs																
MW-7S	27-Jul-01	TPH																
MW-7S	27-Jul-01	VOCs																
MW-7S	30-Oct-01	TPH																
MW-7S	30-Oct-01	VOCs																
MW-7S	13-Dec-01	TPH																
MW-7S	13-Dec-01	VOCs																
MW-7S	5-Mar-02	TPH																
MW-7S	5-Mar-02	VOCs																
MW-7S	30-May-02	TPH																
MW-7S	30-May-02	VOCs																
MW-7S	19-Jun-03	TPH																
MW-7S	19-Jun-03	VOCs																
MW-8S	20-Feb-01	TPH																
MW-8S	20-Feb-01	VOCs																
MW-8S	26-Jul-01	TPH																
MW-8S	26-Jul-01	VOCs																

Sample ID	Collected Date	Group	nC6 to nC12 (TX1005-GRO)	>nC12 to nC28 (TX1005-DRO)	>nC28 to nC35 (TX1005-ORO)	Aliphatics nC6 (TX1006)	Aliphatics >nC6 to nC8 (TX1006)	Aliphatics >nC8 to nC10 (TX1006)	Aliphatics >nC10 to nC12 (TX1006)	Aliphatics >nC12 to nC16 (TX1006)	Aliphatics >nC16 to nC21 (TX1006)	Aliphatics >nC21 to nC35 (TX1006)	Aromatics >nC7 to nC8 (TX1006)	Aromatics >nC8 to nC10 (TX1006)	Aromatics >nC10 to nC12 (TX1006)	Aromatics >nC12 to nC16 (TX1006)	Aromatics >nC16 to nC21 (TX1006)	Aromatics >nC21 to nC35 (TX1006)
MW-8S	29-Oct-01	TPH																
MW-8S	29-Oct-01	VOCs																
MW-8S	13-Dec-01	TPH																
MW-8S	13-Dec-01	VOCs																
MW-8S	7-Mar-02	TPH																
MW-8S	7-Mar-02	VOCs																
MW-8S	30-May-02	TPH																
MW-8S	30-May-02	VOCs																
MW-8S	8-Aug-02	TPH																
MW-8S	8-Aug-02	VOCs																
MW-8S	9-Dec-02	TPH																
MW-8S	9-Dec-02	VOCs																
MW-8S	18-Mar-03	TPH																
MW-8S	18-Mar-03	VOCs																
MW-8S	19-Jun-03	TPH																
MW-8S	19-Jun-03	VOCs																
MW-8S DUP	26-Jul-01	TPH																
MW-8S DUP	26-Jul-01	VOCs																
MW-8S DUP	29-Oct-01	TPH																
MW-8S DUP	29-Oct-01	VOCs																
MW-8S DUP	13-Dec-01	TPH																
MW-8S DUP	13-Dec-01	VOCs																
MW-8S DUP	7-Mar-02	TPH																
MW-8S DUP	7-Mar-02	VOCs																
MW-8S DUP	30-May-02	TPH																
MW-8S DUP	30-May-02	VOCs																
MW-8S DUP	8-Aug-02	TPH																
MW-8S DUP	8-Aug-02	VOCs																
MW-8S DUP	18-Mar-03	VOCs																
MW-9S	21-Feb-01	TPH																
MW-9S	21-Feb-01	VOCs																
MW-9S	27-Jul-01	TPH																
MW-9S	27-Jul-01	VOCs																
MW-9S	30-Oct-01	TPH																
MW-9S	30-Oct-01	VOCs																
MW-9S	19-Dec-01	TPH																
MW-9S	19-Dec-01	VOCs																
MW-9S	5-Mar-02	TPH																
MW-9S	5-Mar-02	VOCs																
MW-9S	30-May-02	TPH																
MW-9S	30-May-02	VOCs																
MW-9S	8-Aug-02	TPH																
MW-9S	8-Aug-02	VOCs																
MW-9S	11-Dec-02	TPH																
MW-9S	11-Dec-02	VOCs																
MW-9S	21-Mar-03	TPH																
MW-9S	21-Mar-03	VOCs																
MW-9S	27-Jun-03	TPH																
MW-9S	27-Jun-03	VOCs																
MW-9S DUP	27-Jul-01	TPH																
MW-9S DUP	27-Jul-01	VOCs																
MW-9S DUP	30-Oct-01	TPH																
MW-9S DUP	30-Oct-01	VOCs																
MW-9S DUP	19-Dec-01	TPH																
MW-9S DUP	19-Dec-01	VOCs																
MW-9S DUP	21-Mar-03	TPH																
MW-9S DUP	21-Mar-03	VOCs																
MW-A13W	20-Mar-03	TPH																
MW-A13W	20-Mar-03	VOCs																

Sample ID	Collected Date	Group	nC6 to nC12 (TX1005-GRO)	>nC12 to nC28 (TX1005-DRO)	>nC28 to nC35 (TX1005-ORO)	Aliphatics nC6 (TX1006)	Aliphatics >nC6 to nC8 (TX1006)	Aliphatics >nC8 to nC10 (TX1006)	Aliphatics >nC10 to nC12 (TX1006)	Aliphatics >nC12 to nC16 (TX1006)	Aliphatics >nC16 to nC21 (TX1006)	Aliphatics >nC21 to nC35 (TX1006)	Aromatics >nC7 to nC8 (TX1006)	Aromatics >nC8 to nC10 (TX1006)	Aromatics >nC10 to nC12 (TX1006)	Aromatics >nC12 to nC16 (TX1006)	Aromatics >nC16 to nC21 (TX1006)	Aromatics >nC21 to nC35 (TX1006)
MW-A8W	7-May-01	Metals																
MW-A8W	7-May-01	Metals, Dissolved																
MW-A8W	26-Jul-01	Metals																
MW-A8W	26-Jul-01	Metals, Dissolved																
SB12W	4-Dec-00	VOCs																
SB13W	4-Dec-00	VOCs																
SB17W	5-Dec-00	VOCs																
SB17W	6-Dec-00	TPH																
SB18W	5-Dec-00	VOCs																
SB20W	6-Dec-00	VOCs																
TP-1	5-Feb-98	Metals																
TP-1	5-Feb-98	Metals, Dissolved																
TP-1	5-Feb-98	VOCs																
TP-1	23-Feb-01	TPH																
TP-1	23-Feb-01	VOCs																
TP-1	28-Feb-01	TPH																
TP-10	5-Sep-01	TPH																
TP-10	5-Sep-01	VOCs																
TP-11	5-Sep-01	TPH																
TP-11	5-Sep-01	VOCs																
TP-12	5-Sep-01	VOCs																
TP-12	6-Sep-01	TPH																
TP-13	5-Sep-01	TPH																
TP-13	5-Sep-01	VOCs																
TP-14	6-Sep-01	TPH																
TP-14	6-Sep-01	VOCs																
TP-15	6-Sep-01	TPH																
TP-15	6-Sep-01	VOCs																
TP-16	6-Sep-01	TPH																
TP-16	6-Sep-01	VOCs																
TP-17	6-Sep-01	TPH																
TP-17	6-Sep-01	VOCs																
TP-17 DUP	6-Sep-01	TPH																
TP-17 DUP	6-Sep-01	VOCs																
TP-18	6-Sep-01	TPH																
TP-18	6-Sep-01	VOCs																
TP-19	6-Sep-01	TPH																
TP-19	6-Sep-01	VOCs																
TP-19 DUP	6-Sep-01	TPH																
TP-19 DUP	6-Sep-01	VOCs																
TP-2	6-Feb-98	VOCs																
TP-2	23-Feb-01	TPH																
TP-2	23-Feb-01	VOCs																
TP-2	28-Feb-01	TPH																
TP-2	25-Jul-01	TPH																
TP-2	25-Jul-01	VOCs																
TP-2	30-Oct-01	TPH																
TP-2	30-Oct-01	VOCs																
TP-2	18-Dec-01	TPH																
TP-2	18-Dec-01	VOCs																
TP-2	8-Mar-02	TPH																
TP-2	8-Mar-02	VOCs																
TP-2	30-May-02	TPH																
TP-2	30-May-02	VOCs																
TP-2	26-Jun-03	TPH																
TP-2	26-Jun-03	VOCs																
TP-20	15-Oct-01	TPH																

Sample ID	Collected Date	Group	nC6 to nC12 (TX1005-GRO)	>nC12 to nC28 (TX1005-DRO)	>nC28 to nC35 (TX1005-ORO)	Aliphatics nC6 (TX1006)	Aliphatics >nC6 to nC8 (TX1006)	Aliphatics >nC8 to nC10 (TX1006)	Aliphatics >nC10 to nC12 (TX1006)	Aliphatics >nC12 to nC16 (TX1006)	Aliphatics >nC16 to nC21 (TX1006)	Aliphatics >nC21 to nC35 (TX1006)	Aromatics >nC7 to nC8 (TX1006)	Aromatics >nC8 to nC10 (TX1006)	Aromatics >nC10 to nC12 (TX1006)	Aromatics >nC12 to nC16 (TX1006)	Aromatics >nC16 to nC21 (TX1006)	Aromatics >nC21 to nC35 (TX1006)
TP-20	15-Oct-01	VOCs																
TP-20 DUP	15-Oct-01	TPH																
TP-20 DUP	15-Oct-01	VOCs																
TP-21	15-Oct-01	TPH																
TP-21	15-Oct-01	VOCs																
TP-21 DUP	15-Oct-01	TPH																
TP-21 DUP	15-Oct-01	VOCs																
TP-22	15-Oct-01	TPH																
TP-22	15-Oct-01	VOCs																
TP-23	15-Oct-01	TPH																
TP-23	15-Oct-01	VOCs																
TP-24	15-Oct-01	TPH																
TP-24-2004	30-Apr-04	TPH	<500	1400	7800	<500	<500	<500	<500	1000	1000	4000	<500	<500	<500	500	500	2000
TP-24	15-Oct-01	VOCs																
TP-24 DUP	15-Oct-01	TPH																
TP-24 DUP	15-Oct-01	VOCs																
TP-25	15-Oct-01	VOCs																
TP-25	17-Oct-01	TPH																
TP-3	6-Feb-98	VOCs																
TP-3	23-Feb-01	TPH																
TP-3	23-Feb-01	VOCs																
TP-3	25-Jul-01	TPH																
TP-3	25-Jul-01	VOCs																
TP-3	29-Oct-01	TPH																
TP-3	29-Oct-01	VOCs																
TP-3	19-Dec-01	TPH																
TP-3	19-Dec-01	VOCs																
TP-3	5-Mar-02	TPH																
TP-3	5-Mar-02	VOCs																
TP-3	30-May-02	TPH																
TP-3	30-May-02	VOCs																
TP-3	8-Aug-02	TPH																
TP-3	8-Aug-02	VOCs																
TP-3	9-Dec-02	TPH																
TP-3	9-Dec-02	VOCs																
TP-3	19-Mar-03	TPH																
TP-3	19-Mar-03	VOCs																
TP-3	27-Jun-03	TPH																
TP-3	27-Jun-03	VOCs																
TP-4	9-Feb-98	VOCs																
TP-4	21-Feb-01	TPH																
TP-4	21-Feb-01	VOCs																
TP-4	26-Jul-01	TPH																
TP-4	26-Jul-01	VOCs																
TP-4	30-Oct-01	Metals, Dissolved																
TP-4	30-Oct-01	TPH																
TP-4	30-Oct-01	VOCs																
TP-4	18-Dec-01	TPH																
TP-4	18-Dec-01	VOCs																
TP-4	8-Mar-02	TPH																
TP-4	8-Mar-02	VOCs																
TP-4	30-May-02	VOCs																
TP-4	3-Jun-02	TPH																
TP-4	26-Jun-03	TPH																
TP-4	26-Jun-03	VOCs																
TP-4 Dup	9-Feb-98	VOCs																
TP-5	4-Dec-00	VOCs																
TP-5	23-Feb-01	TPH																

Sample ID	Collected Date	Group	nC6 to nC12 (TX1005-GRO)	>nC12 to nC28 (TX1005-DRO)	>nC28 to nC35 (TX1005-ORO)	Aliphatics nC6 (TX1006)	Aliphatics >nC6 to nC8 (TX1006)	Aliphatics >nC8 to nC10 (TX1006)	Aliphatics >nC10 to nC12 (TX1006)	Aliphatics >nC12 to nC16 (TX1006)	Aliphatics >nC16 to nC21 (TX1006)	Aliphatics >nC21 to nC35 (TX1006)	Aromatics >nC7 to nC8 (TX1006)	Aromatics >nC8 to nC10 (TX1006)	Aromatics >nC10 to nC12 (TX1006)	Aromatics >nC12 to nC16 (TX1006)	Aromatics >nC16 to nC21 (TX1006)	Aromatics >nC21 to nC35 (TX1006)
TP-5	23-Feb-01	VOCs																
TP-5	27-Jul-01	TPH																
TP-5	27-Jul-01	VOCs																
TP-5	30-Oct-01	TPH																
TP-5	30-Oct-01	VOCs																
TP-6	5-Sep-01	TPH																
TP-6	5-Sep-01	VOCs																
TP-6	18-Dec-01	TPH																
TP-6	18-Dec-01	VOCs																
TP-6	5-Mar-02	TPH																
TP-6	5-Mar-02	VOCs																
TP-6	3-Jun-02	TPH																
TP-6	3-Jun-02	VOCs																
TP-6	13-Aug-02	TPH																
TP-6	13-Aug-02	VOCs																
TP-6	5-Dec-02	TPH																
TP-6	5-Dec-02	VOCs																
TP-6	18-Mar-03	TPH																
TP-6	18-Mar-03	VOCs																
TP-6	17-Jun-03	TPH																
TP-6	17-Jun-03	VOCs																
TP-6 DUP	5-Mar-02	TPH																
TP-6 DUP	5-Mar-02	VOCs																
TP-7	5-Sep-01	TPH																
TP-7	5-Sep-01	VOCs																
TP-8	5-Sep-01	TPH																
TP-8	5-Sep-01	VOCs																
TP-9	5-Sep-01	Metals																
TP-9	5-Sep-01	TPH																
TP-9-2004	4-May-04	TPH	670	7500	<500	<100	250	<100	500	2000	2000	<100	200	<100	200	2000	1000	<100
TP-9	5-Sep-01	VOCs																
B-7	10-Jan-02																	

Notes:
All concentrations in ug/L (micrograms per liter)
< Less than detection limit shown
Blanks: Not analyzed
ND: Not detected
VOC: Volatile organic compound
TPH: Total petroleum hydrocarbon
Lab qualifiers in Section 1.0

APPENDIX D
AREA 3: RETAINED AREA
BOEING TRACT 1, ST. LOUIS, MISSOURI

Appendix D-1. Soil Data for Area 3: Retained Area

Appendix D-2. Groundwater Data for Area 3: Retained Area

Appendix B-1
Soil Data for Area 3: Retained Area
Boeing Tract 1, St. Louis, Missouri

Sub-area	Source/Area	Sample ID	Date	Depth (ft bgs)	1,2,4-Trimethyl	1,3,5-Trimethyl	Acetone	Benzene	Carbon disulfide	Chloro ethane	Ethyl benzene	Isopropyl benzene	Methylene chloride
3A	SWMU 22	B41N1-8	11/2/2002	8	< 5	< 5		186		< 5	< 5	11	< 5
3A	SWMU 22	B41S1-6	11/2/2002	6	< 5	< 5		< 5		< 5	< 5	< 5	< 5
3A	SWMU 22	B41S1-6 DUP	11/2/2002	6	< 5	< 5		< 5		< 5	< 5	< 5	< 5
3A	SWMU 22	B41S3D-4	11/2/2002	4	51	192		18		< 5	10	29	
3A		B42N1-9	7/1/2003	9				< 50			< 50		
3A		B42N2-12	7/23/2003	12	< 5	< 5	< 20	< 5	< 10	< 5	< 5	< 5	J 5.3
3A		B42N3-4	7/23/2003	4	< 5	< 5	< 20	< 5	< 10	< 5	< 5	< 5	J 5.4
3A		B42N4-8	7/23/2003	8	< 5	< 5	< 20	< 5	< 10	< 5	< 5	< 5	J 5.6
3A		B42N5-6	7/23/2003	6	< 25	< 25	< 100	< 25	< 50	< 25	< 25	80	J 29
3A	Along Industrial Sewer Line	B44N1-9	11/2/2002	9	< 5	< 5		41		< 5	< 5	< 5	< 5
3B		B42E1-5	7/1/2003	5				1170			< 50		
3B		B42E2-8	7/22/2003	8	< 5	< 5	< 20	< 5	< 10	< 5	< 5	< 5	< 20
3B		B42E3-4	7/22/2003	4	< 5	< 5	J 19	< 5	J 3	< 5	< 5	J 4	< 20
3C		B42S1-6	11/2/2002	6				< 2.5			< 2.5		
3C		B42S2-5	6/30/2003	5				76			< 50		
3C		B42S3-9	7/22/2003	9	< 5	< 5	< 20	< 5	< 10	< 5	< 5	< 5	< 20
3C		B42S4-6	7/22/2003	4	< 5	< 5	< 20	< 5	< 10	< 5	< 5	< 5	< 20
3C		B42S5-8	7/22/2003	8	< 25	< 25	J 42	< 25	< 50	< 25	< 25	47	< 100
3C		B42S6-5	7/22/2003	5	< 5	< 5	44	< 5	< 10	< 5	< 5	< 5	< 20
3C		B42S7-8	7/23/2003	8	< 5	< 5	< 20	< 5	< 10	< 5	< 5	< 5	J 5.4
3C		B42S7-8 DUP	7/23/2003	8									
3C		B42W1-5	6/30/2003	5				< 50			< 50		
3C		B45S10-6	11/2/2002	6				62			< 50		
3C		B45S11-6	6/30/2003	6				293			< 50		
3C		B45S12-6	6/30/2003	6				< 50			< 50		
3C		B45S8-6	11/2/2002	6				< 50			< 50		
3C		B45S9-6	11/2/2002	6				< 50			< 50		
3D	SWMU 22	2-10024	11/1/1994	0.0-2.0	47000	ND	<15	ND		ND			
3D	Building 2	B2I1-8	11/2/2002	8	< 5	66		< 5		< 5	29	292	< 5
3D		B2I2-3	6/30/2003	3	< 5	< 5	< 20	< 50	< 10	< 5	< 50	< 5	< 20
3D	Along Industrial Sewer Line	B2N1-8	11/2/2002	8	< 5	< 5		< 5		< 5	< 5	< 5	< 5
3D	Along Industrial Sewer Line	B2N2-8	11/2/2002	8	< 1	< 1		< 1		< 1	< 1	< 1	< 1
3D	Along Industrial Sewer Line	B2N3-8	11/2/2002	8	< 1	< 1		< 1		< 1	< 1	< 1	< 1
3D	Along Industrial Sewer Line	B2N4-6	11/2/2002	6	< 1	< 1		< 1		< 1	< 1	< 1	< 1
3D		B2N6-6	7/24/2003	6	< 5	< 5	< 20	< 5	< 10	< 5	< 5	< 5	J 2.8
3D		B2N7-6	7/24/2003	6	< 5	< 5	J 13	< 5	< 10	< 5	< 5	< 5	J 3.2
3D	Building 2	B2W1-6	11/2/2002	6	< 5	36		21		6.7	< 5	31	< 5
3D	SWMU 22	B41E1-10	11/2/2002	10	< 1	< 1		< 1		< 1	< 1	< 1	< 1
3D	SWMU 22	B41S2-4	11/2/2002	4	< 5	< 5		< 5		< 5	< 5	< 5	< 5
3D	SWMU 22	B41S4-6	11/2/2002	6	< 1	< 1		< 1		< 1	< 1	< 1	< 1
3E		B2E1-7	7/1/2003	7				1340			307		

Appendix D-1
Soil Data for Area 3: Retained Area
Boeing Tract 1, St. Louis, Missouri

Sub-area	Source/Area	Sample ID	Date	Depth (ft bgs)	1,2,4-Trimethyl	1,3,5-Trimethyl	Acetone	Benzene	Carbon disulfide	Chloro ethane	Ethyl benzene	Isopropyl benzene	Methylene chloride
3E		B2E2-8	7/24/2003	8	< 25	< 25	J 33	< 25	< 50	< 25	< 25	27	J 16
3E		B2E2-8 DUP	7/24/2003	8	< 25	< 25	J 80	< 25	< 50	< 25	J 14	29	< 100
3E	Along Industrial Sewer Line	B2N5-7	11/2/2002	7	< 1	< 1		< 1		< 1	< 1	< 1	< 1
3F		B1W1-7	7/1/2003	7				< 50			< 50		
3F		B1W1-7 DUP	7/1/2003	7				< 50			< 50		
3F		B1W2-8	7/24/2003	8	< 5	< 5	< 20	< 5	< 10	< 5	< 5	< 5	< 20
3F		B1W2-8 DUP	7/24/2003	8	< 5	< 5	< 20	< 5	< 10	< 5	< 5	< 5	< 20
3G		B2S1-6	7/1/2003	6				< 50			< 50		
3G		B2S2-7	7/24/2003	7	1200	J 340	J 820	J 260	< 1250	< 625	1200	< 625	< 2500
3G		B2S2-7 DUP	7/24/2003	7	J 480	< 625	J 820	J 280	< 1250	< 625	640	< 625	< 2500
3H	UST Area Between Bldgs 4 and 5	B4E1-14	11/2/2002	14				< 2.5			< 2.5		
3H		B4E2D-10	11/22/2002	10				< 2.5			< 2.5		
3H		B4E3-18	7/24/2003	18	< 5	< 5	21	< 5	< 10	< 5	< 5	< 5	J 4.5

Notes:
All concentrations in ug/kg (micrograms per kilogram)
< Less than detection limit shown
Blanks: Not analyzed
ND: Not detected
ft bgs: Feet below ground surface
GC/FID: Gas chromatograph/flame ionization detector
Lab qualifiers in Section 1.0

Appendix D-1
Soil Data for Area 3: Retained Area
Boeing Tract 1, St. Louis, Missouri

Sub-area	Source/Area	Sample ID	Date	Depth (ft bgs)	Methyl tert-butyl ether	Methyl ethyl ketone	m,p-Xylene	Naphthalene	n-Butyl benzene	n-Propyl benzene	o-Xylene	p-Isopropyl toluene	sec-Butyl benzene
3A	SWMU 22	B41N1-8	11/2/2002	8			21	< 5	< 5	< 5	< 5	< 5	75
3A	SWMU 22	B41S1-6	11/2/2002	6			< 5	< 5	< 5	< 5	< 5	< 5	< 5
3A	SWMU 22	B41S1-6 DUP	11/2/2002	6			< 5	< 5	< 5	< 5	< 5	< 5	< 5
3A	SWMU 22	B41S3D-4	11/2/2002	4			27		< 5	< 5	< 5	116	< 5
3A		B42N1-9	7/1/2003	9	< 25								
3A		B42N2-12	7/23/2003	12	< 2	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5
3A		B42N3-4	7/23/2003	4	< 2	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5
3A		B42N4-8	7/23/2003	8	< 2	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5
3A		B42N5-6	7/23/2003	6	< 50	< 25	< 25	< 50	< 25	110	< 25	< 25	91
3A	Along Industrial Sewer Line	B44N1-9	11/2/2002	9			11	< 5	< 5	13	< 5	7.1	7.2
3B		B42E1-5	7/1/2003	5	< 25								
3B		B42E2-8	7/22/2003	8	< 10	< 5	< 5	< 10	< 5	< 5	< 5	< 5	9.7
3B		B42E3-4	7/22/2003	4	< 2	< 5	< 5	< 10	< 5	J 2.9	< 5	< 5	5.7
3C		B42S1-6	11/2/2002	6	< 25								
3C		B42S2-5	6/30/2003	5	< 25								
3C		B42S3-9	7/22/2003	9	< 2	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5
3C		B42S4-6	7/22/2003	4	< 2	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5
3C		B42S5-8	7/22/2003	8	< 50	< 25	< 25	< 50	59	84	< 25	< 25	62
3C		B42S6-5	7/22/2003	5	< 2	< 5	< 5	< 10	5.7	< 5	< 5	< 5	6.9
3C		B42S7-8	7/23/2003	8	< 2	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5
3C		B42S7-8 DUP	7/23/2003	8									
3C		B42W1-5	6/30/2003	5	< 25								
3C		B45S10-6	11/2/2002	6	< 50								
3C		B45S11-6	6/30/2003	6	< 25								
3C		B45S12-6	6/30/2003	6	< 25								
3C		B45S8-6	11/2/2002	6	< 50								
3C		B45S9-6	11/2/2002	6	< 50								
3D	SWMU 22	2-10024	11/1/1994	0.0-2.0		ND							
3D	Building 2	B2I1-8	11/2/2002	8			43	< 5	80	< 5	< 5	268	< 5
3D		B2I2-3	6/30/2003	3	< 25	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5
3D	Along Industrial Sewer Line	B2N1-8	11/2/2002	8			< 5	< 5	< 5	< 5	< 5	< 5	< 5
3D	Along Industrial Sewer Line	B2N2-8	11/2/2002	8			< 1	< 1	< 1	< 1	< 1	< 1	< 1
3D	Along Industrial Sewer Line	B2N3-8	11/2/2002	8			< 1	< 1	< 1	< 1	< 1	< 1	< 1
3D	Along Industrial Sewer Line	B2N4-6	11/2/2002	6			< 1	< 1	< 1	< 1	< 1	< 1	< 1
3D		B2N6-6	7/24/2003	6	< 2	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5
3D		B2N7-6	7/24/2003	6	< 2	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5
3D	Building 2	B2W1-6	11/2/2002	6			41	< 5	14	30	12	36	127
3D	SWMU 22	B41E1-10	11/2/2002	10			< 1	< 33	< 1	< 1	< 1	< 1	< 1
3D	SWMU 22	B41S2-4	11/2/2002	4			< 5	< 5	< 5	< 5	< 5	< 5	< 5
3D	SWMU 22	B41S4-6	11/2/2002	6			< 1	< 1	< 1	< 1	< 1	< 1	< 1
3E		B2E1-7	7/1/2003	7	< 500								

Appe[illegible]-1
Soil Data for Area 3: Retained Area
Boeing Tract 1, St. Louis, Missouri

Sub-area	Source/Area	Sample ID	Date	Depth (ft bgs)	Methyl tert-butyl ether	Methyl ethyl ketone	m,p-Xylene	Naphthalene	n-Butyl benzene	n-Propyl benzene	o-Xylene	p-Isopropyl toluene	sec-Butyl benzene
3E		B2E2-8	7/24/2003	8	< 50	< 25	< 25	< 50	91	110	< 25	< 25	43
3E		B2E2-8 DUP	7/24/2003	8	< 50	< 25	< 25	J 15	52	120	< 25	< 25	J 20
3E	Along Industrial Sewer Line	B2N5-7	11/2/2002	7			< 1	< 1	< 1	< 1	< 1	< 1	< 1
3F		B1W1-7	7/1/2003	7	< 25								
3F		B1W1-7 DUP	7/1/2003	7	< 25								
3F		B1W2-8	7/24/2003	8	< 2	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5
3F		B1W2-8 DUP	7/24/2003	8	< 2	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5
3G		B2S1-6	7/1/2003	6	< 25								
3G		B2S2-7	7/24/2003	7	< 1250	< 625	3800	J 330	< 625	< 625	2000	J 520	< 625
3G		B2S2-7 DUP	7/24/2003	7	< 1250	< 625	1500	< 1250	< 625	< 625	980	< 625	< 625
3H	UST Area Between Bldgs 4 and 5	B4E1-14	11/2/2002	14									
3H		B4E2D-10	11/22/2002	10	< 25								
3H		B4E3-18	7/24/2003	18	< 2	8.8	< 5	< 10	< 5	< 5	< 5	< 5	< 5

Notes:
All concentrations in ug/kg (micrograms per kilogram)
< Less than detection limit shown
Blanks: Not analyzed
ND: Not detected
ft bgs: Feet below ground surface
GC/FID: Gas chromatograph/flame ionization detector
Lab qualifiers in Section 1.0

Appendix D-1
Soil Data for Area 3: Retained Area
Boeing Tract 1, St. Louis, Missouri

Sub-area	Source/Area	Sample ID	Date	Depth (ft bgs)	tert-Butyl benzene	Tetrachloroethene	Toluene	Xylenes, Total	Diesel #1	Diesel #2	Gasoline (C6-C14)	Kerosene	Motor Oil
3A	SWMU 22	B41N1-8	11/2/2002	8	< 5	< 5	< 5		< 5000	< 5000		< 5000	
3A	SWMU 22	B41S1-6	11/2/2002	6	< 5	< 5	< 5		< 5000	< 5000		< 5000	
3A	SWMU 22	B41S1-6 DUP	11/2/2002	6	< 5	< 5	< 5		< 5000	< 5000		< 5000	
3A	SWMU 22	B41S3D-4	11/2/2002	4	< 5	< 5	26		< 5000	24000		< 5000	
3A		B42N1-9	7/1/2003	9			< 50	< 50	< 5000	< 5000	7000	< 5000	< 5000
3A		B42N2-12	7/23/2003	12	< 5	< 5	< 5	5.4					
3A		B42N3-4	7/23/2003	4	< 5	< 5	< 5	6.7					
3A		B42N4-8	7/23/2003	8	< 5	< 5	< 5	< 5					
3A		B42N5-6	7/23/2003	6	< 25	< 25	< 25	64					
3A	Along Industrial Sewer Line	B44N1-9	11/2/2002	9	< 5	< 5	< 5		< 5000	< 5000		< 5000	
3B		B42E1-5	7/1/2003	5			398	731	< 5000	< 5000	311000	< 5000	< 5000
3B		B42E2-8	7/22/2003	8	< 5	< 5	< 5	58					
3B		B42E3-4	7/22/2003	4	< 5	< 5	< 5	58					
3C		B42S1-6	11/2/2002	6			< 25	< 7.5					
3C		B42S2-5	6/30/2003	5			452	225	< 5000	925000	54000	< 5000	41000
3C		B42S3-9	7/22/2003	9	< 5	< 5	< 5	< 5					
3C		B42S4-6	7/22/2003	4	< 5	< 5	< 5	< 5					
3C		B42S5-8	7/22/2003	8	J 13	< 25	< 25	310					
3C		B42S6-5	7/22/2003	5	< 5	< 5	< 5	42					
3C		B42S7-8	7/23/2003	8	< 5	< 5	< 5	< 5					
3C		B42S7-8 DUP	7/23/2003	8									
3C		B42W1-5	6/30/2003	5			< 50	< 50	< 5000	57000	< 5000	< 5000	37000
3C		B45S10-6	11/2/2002	6			952	513	< 5000	< 5000	103000	< 5000	
3C		B45S11-6	6/30/2003	6			2500	463	< 5000	972000	154000	< 5000	20000
3C		B45S12-6	6/30/2003	6			< 50	< 50	< 5000	127000	< 5000	< 5000	< 5000
3C		B45S8-6	11/2/2002	6			< 50	< 50	< 5000	< 5000	21000	< 5000	
3C		B45S9-6	11/2/2002	6			< 50	< 50	< 5000	< 5000	< 5000	< 5000	
3D	SWMU 22	2-10024	11/1/1994	0.0-2.0		<24	ND	12	ND	ND	ND		
3D	Building 2	B2I1-8	11/2/2002	8	73	< 5	< 5						
3D		B2I2-3	6/30/2003	3	< 5	< 5	< 50	< 50	< 5000	< 5000	< 5000	< 5000	< 5000
3D	Along Industrial Sewer Line	B2N1-8	11/2/2002	8	< 5	< 5	< 5						
3D	Along Industrial Sewer Line	B2N2-8	11/2/2002	8	< 1	< 1	< 1						
3D	Along Industrial Sewer Line	B2N3-8	11/2/2002	8	< 1	1.9	< 1						
3D	Along Industrial Sewer Line	B2N4-6	11/2/2002	6	< 1	1.4	< 1						
3D		B2N6-6	7/24/2003	6	< 5	< 5	< 5	< 5					
3D		B2N7-6	7/24/2003	6	< 5	< 5	< 5	< 5					
3D	Building 2	B2W1-6	11/2/2002	6	35	< 5	< 5		< 5000	47000		< 5000	
3D	SWMU 22	B41E1-10	11/2/2002	10	< 1	< 1	< 1		< 5000	< 5000		< 5000	
3D	SWMU 22	B41S2-4	11/2/2002	4	< 5	< 5	< 5		< 5000	< 5000		< 5000	
3D	SWMU 22	B41S4-6	11/2/2002	6	< 1	< 1	< 1		< 5000	< 5000		< 5000	
3E		B2E1-7	7/1/2003	7			719	586	< 5000	< 5000	496000	< 5000	< 5000

Appendix D-1
Soil Data for Area 3: Retained Area
Boeing Tract 1, St. Louis, Missouri

Sub-area	Source/Area	Sample ID	Date	Depth (ft bgs)	tert-Butyl benzene	Tetrachloroethene	Toluene	Xylenes, Total	Diesel #1	Diesel #2	Gasoline (C6-C14)	Kerosene	Motor Oil
3E		B2E2-8	7/24/2003	8	< 25	< 25	< 25	35					
3E		B2E2-8 DUP	7/24/2003	8	< 25	< 25	< 25	240					
3E	Along Industrial Sewer Line	B2N5-7	11/2/2002	7	< 1	< 1	< 1						
3F		B1W1-7	7/1/2003	7			< 50	< 50	< 5000	< 5000	< 5000	< 5000	< 5000
3F		B1W1-7 DUP	7/1/2003	7			< 50	< 50	< 5000	< 5000	< 5000	< 5000	< 5000
3F		B1W2-8	7/24/2003	8	< 5	< 5	< 5	< 5					
3F		B1W2-8 DUP	7/24/2003	8	< 5	< 5	< 5	< 5					
3G		B2S1-6	7/1/2003	6			< 50	< 50	< 5000	< 5000	< 5000	< 5000	< 5000
3G		B2S2-7	7/24/2003	7	< 625	< 625	7600	3600					
3G		B2S2-7 DUP	7/24/2003	7	< 625	< 625	6400	3500					
3H	UST Area Between Bldgs 4 and 5	B4E1-14	11/2/2002	14			< 25	9.4					
3H		B4E2D-10	11/22/2002	10			< 25	< 7.5					
3H		B4E3-18	7/24/2003	18	< 5	< 5	< 5	< 5					

Notes:
All concentrations in ug/kg (micrograms per kilogram)
< Less than detection limit shown
Blanks: Not analyzed
ND: Not detected
ft bgs: Feet below ground surface
GC/FID: Gas chromatograph/flame ionization detector
Lab qualifiers in Section 1.0

Appe[illegible]-1
Soil Data for Area 3: Retained Area
Boeing Tract 1, St. Louis, Missouri

Sub-area	Source/Area	Sample ID	Date	Depth (ft bgs)	Motor Oil (C16-C33)	Stoddard Solvent	TPH (GC/FID)	TPH (GC/FID)	TPH as Diesel	TPH as Gasoline	TPH as Hydraulic	TPH as Jet Fuel	TPH as Kerosene
3A	SWMU 22	B41N1-8	11/2/2002	8	< 5000	< 5000							
3A	SWMU 22	B41S1-6	11/2/2002	6	< 5000	< 5000							
3A	SWMU 22	B41S1-6 DUP	11/2/2002	6	< 5000	< 5000							
3A	SWMU 22	B41S3D-4	11/2/2002	4	< 5000	< 5000							
3A		B42N1-9	7/1/2003	9		< 5000							
3A		B42N2-12	7/23/2003	12					< 4296	< 1000	< 6444	< 4296	< 2577
3A		B42N3-4	7/23/2003	4					< 4300	< 1000	< 6450	< 4300	< 2580
3A		B42N4-8	7/23/2003	8					< 4183	< 1000	< 6275	< 4183	< 2510
3A		B42N5-6	7/23/2003	6					< 4188	6540	< 6282	9510	< 2512
3A	Along Industrial Sewer Line	B44N1-9	11/2/2002	9	< 5000	< 5000							
3B		B42E1-5	7/1/2003	5		< 5000							
3B		B42E2-8	7/22/2003	8					10800	11800	< 6338	4560	< 2535
3B		B42E3-4	7/22/2003	4					< 4161	29200	< 6242	< 4161	< 2496
3C		B42S1-6	11/2/2002	6			< 4000	< 500					
3C		B42S2-5	6/30/2003	5		< 5000							
3C		B42S3-9	7/22/2003	9					< 4243	< 1000	< 6364	< 4243	< 2545
3C		B42S4-6	7/22/2003	4					< 4199	< 1000	< 6298	< 4199	< 2519
3C		B42S5-8	7/22/2003	8					5320	38100	< 6333	< 4222	< 2533
3C		B42S6-5	7/22/2003	5					< 210200	3700	< 315300	< 210200	399000
3C		B42S7-8	7/23/2003	8					< 4369	< 1000	< 6553	< 4369	< 2621
3C		B42S7-8 DUP	7/23/2003	8									
3C		B42W1-5	6/30/2003	5		< 5000							
3C		B45S10-6	11/2/2002	6	< 5000	< 5000							
3C		B45S11-6	6/30/2003	6		< 5000							
3C		B45S12-6	6/30/2003	6		< 5000							
3C		B45S8-6	11/2/2002	6	< 5000	< 5000							
3C		B45S9-6	11/2/2002	6	< 5000	< 5000							
3D	SWMU 22	2-10024	11/1/1994	0.0-2.0					ND	ND			
3D	Building 2	B2I1-8	11/2/2002	8									
3D		B2I2-3	6/30/2003	3		< 5000							
3D	Along Industrial Sewer Line	B2N1-8	11/2/2002	8									
3D	Along Industrial Sewer Line	B2N2-8	11/2/2002	8									
3D	Along Industrial Sewer Line	B2N3-8	11/2/2002	8									
3D	Along Industrial Sewer Line	B2N4-6	11/2/2002	6									
3D		B2N6-6	7/24/2003	6					< 4244	< 1000	< 6366	< 4244	< 2546
3D		B2N7-6	7/24/2003	6					< 4231	< 1000	8720	< 4231	2540
3D	Building 2	B2W1-6	11/2/2002	6	< 5000	< 5000							
3D	SWMU 22	B41E1-10	11/2/2002	10	< 5000	< 5000							
3D	SWMU 22	B41S2-4	11/2/2002	4	< 5000	< 5000							
3D	SWMU 22	B41S4-6	11/2/2002	6	< 5000	< 5000							
3E		B2E1-7	7/1/2003	7		< 5000							

Appe[illegible]D-1
Soil Data for Area 3: Retained Area
Boeing Tract 1, St. Louis, Missouri

Sub-area	Source/Area	Sample ID	Date	Depth (ft bgs)	Motor Oil (C16-C33)	Stoddard Solvent	TPH (GC/FID)	TPH (GC/FID)	TPH as Diesel	TPH as Gasoline	TPH as Hydraulic	TPH as Jet Fuel	TPH as Kerosene
3E		B2E2-8	7/24/2003	8					< 4249	10600	< 6374	< 4249	< 2549
3E		B2E2-8 DUP	7/24/2003	8						53100			
3E	Along Industrial Sewer Line	B2N5-7	11/2/2002	7									
3F		B1W1-7	7/1/2003	7		< 5000							
3F		B1W1-7 DUP	7/1/2003	7		< 5000							
3F		B1W2-8	7/24/2003	8					< 4302	< 1000	< 6454	< 4302	< 2581
3F		B1W2-8 DUP	7/24/2003	8					< 4338	< 1000	< 6507	< 4338	< 2603
3G		B2S1-6	7/1/2003	6		< 5000							
3G		B2S2-7	7/24/2003	7					< 20980	2360	76800	< 20980	13800
3G		B2S2-7 DUP	7/24/2003	7					< 171500	3280	1470000	< 171500	< 102900
3H	UST Area Between Bldgs 4 and 5	B4E1-14	11/2/2002	14			47000						
3H		B4E2D-10	11/22/2002	10			55000	< 500					
3H		B4E3-18	7/24/2003	18					6360	< 1000	< 6317	< 4211	< 2527

Notes:
All concentrations in ug/kg (micrograms per kilogram)
< Less than detection limit shown
Blanks: Not analyzed
ND: Not detected
ft bgs: Feet below ground surface
GC/FID: Gas chromatograph/flame ionization detector
Lab qualifiers in Section 1.0

Appendix D-1
Soil Data for Area 3: Retained Area
Boeing Tract 1, St. Louis, Missouri

Sub-area	Source/Area	Sample ID	Date	Depth (ft bgs)	TPH as Mineral	TPH as Motor Oil	Benzo(a) pyrene	Arsenic	Barium	Beryllium	Cadmium	Chromium	Copper
3A	SWMU 22	B41N1-8	11/2/2002	8			< 33						
3A	SWMU 22	B41S1-6	11/2/2002	6			< 33						
3A	SWMU 22	B41S1-6 DUP	11/2/2002	6									
3A	SWMU 22	B41S3D-4	11/2/2002	4			< 33						
3A		B42N1-9	7/1/2003	9									
3A		B42N2-12	7/23/2003	12	< 4296	< 6444							
3A		B42N3-4	7/23/2003	4	< 4300	< 6450							
3A		B42N4-8	7/23/2003	8	< 4183	< 6275							
3A		B42N5-6	7/23/2003	6	< 4188	< 6282							
3A	Along Industrial Sewer Line	B44N1-9	11/2/2002	9				2000	110000		< 250	13000	
3B		B42E1-5	7/1/2003	5									
3B		B42E2-8	7/22/2003	8	14600	< 6338							
3B		B42E3-4	7/22/2003	4	< 4161	< 6242							
3C		B42S1-6	11/2/2002	6									
3C		B42S2-5	6/30/2003	5									
3C		B42S3-9	7/22/2003	9	< 4243	< 6364							
3C		B42S4-6	7/22/2003	4	< 4199	< 6298							
3C		B42S5-8	7/22/2003	8	< 4222	< 6333							
3C		B42S6-5	7/22/2003	5	< 210200	< 315300							
3C		B42S7-8	7/23/2003	8	< 4369	< 6553							
3C		B42S7-8 DUP	7/23/2003	8									
3C		B42W1-5	6/30/2003	5									
3C		B45S10-6	11/2/2002	6									
3C		B45S11-6	6/30/2003	6									
3C		B45S12-6	6/30/2003	6									
3C		B45S8-6	11/2/2002	6									
3C		B45S9-6	11/2/2002	6									
3D	SWMU 22	2-10024	11/1/1994	0.0-2.0			ND	25200	85500	806	<487	14400	15000
3D	Building 2	B2I1-8	11/2/2002	8			< 33	8900	92000		< 250	18000	
3D		B2I2-3	6/30/2003	3									
3D	Along Industrial Sewer Line	B2N1-8	11/2/2002	8				< 500	63000		< 250	6900	
3D	Along Industrial Sewer Line	B2N2-8	11/2/2002	8				39000	74000		< 250	7900	
3D	Along Industrial Sewer Line	B2N3-8	11/2/2002	8				3400	83000		< 250	13000	
3D	Along Industrial Sewer Line	B2N4-6	11/2/2002	6									
3D		B2N6-6	7/24/2003	6	< 4244	< 6366		3390	104000	218	< 400	5900	8950
3D		B2N7-6	7/24/2003	6	< 4231	< 6346		8810	109000	385	1080	30900	16000
3D	Building 2	B2W1-6	11/2/2002	6			< 33	1400	120000		< 250	12000	
3D	SWMU 22	B41E1-10	11/2/2002	10			85						
3D	SWMU 22	B41S2-4	11/2/2002	4			< 33						
3D	SWMU 22	B41S4-6	11/2/2002	6									
3E		B2E1-7	7/1/2003	7									

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Soil Data for Area 3: Retained Area
Boeing Tract 1, St. Louis, Missouri

Sub-area	Source/Area	Sample ID	Date	Depth (ft bgs)	TPH as Mineral	TPH as Motor Oil	Benzo(a) pyrene	Arsenic	Barium	Beryllium	Cadmium	Chromium	Copper
3E		B2E2-8	7/24/2003	8	< 4249	< 6374							
3E		B2E2-8 DUP	7/24/2003	8									
3E	Along Industrial Sewer Line	B2N5-7	11/2/2002	7									
3F		B1W1-7	7/1/2003	7									
3F		B1W1-7 DUP	7/1/2003	7									
3F		B1W2-8	7/24/2003	8	< 4302	< 6454							
3F		B1W2-8 DUP	7/24/2003	8	< 4338	< 6507							
3G		B2S1-6	7/1/2003	6									
3G		B2S2-7	7/24/2003	7	< 20980	< 31480							
3G		B2S2-7 DUP	7/24/2003	7	< 171500	< 257200							
3H	UST Area Between Bldgs 4 and 5	B4E1-14	11/2/2002	14									
3H		B4E2D-10	11/22/2002	10									
3H		B4E3-18	7/24/2003	18	< 4211	< 6317							

Notes:
All concentrations in ug/kg (micrograms per kilogram)
< Less than detection limit shown
Blanks: Not analyzed
ND: Not detected
ft bgs: Feet below ground surface
GC/FID: Gas chromatograph/flame ionization detector
Lab qualifiers in Section 1.0

Sub-area	Source/Area	Sample ID	Date	Depth (ft bgs)	Lead	Mercury	Nickel	Selenium	Silver	Thallium	Zinc	Ammonia Nitrogen	Manganese
3A	SWMU 22	B41N1-8	11/2/2002	8									
3A	SWMU 22	B41S1-6	11/2/2002	6									
3A	SWMU 22	B41S1-6 DUP	11/2/2002	6									
3A	SWMU 22	B41S3D-4	11/2/2002	4									
3A		B42N1-9	7/1/2003	9									
3A		B42N2-12	7/23/2003	12	11200								
3A		B42N3-4	7/23/2003	4	8690								
3A		B42N4-8	7/23/2003	8	8460								
3A		B42N5-6	7/23/2003	6	7120								
3A	Along Industrial Sewer Line	B44N1-9	11/2/2002	9	10000	J4 94		< 500	< 250				
3B		B42E1-5	7/1/2003	5									
3B		B42E2-8	7/22/2003	8	10200								
3B		B42E3-4	7/22/2003	4	14600								
3C		B42S1-6	11/2/2002	6									
3C		B42S2-5	6/30/2003	5									
3C		B42S3-9	7/22/2003	9	11600								
3C		B42S4-6	7/22/2003	4	9400							39300	
3C		B42S5-8	7/22/2003	8	8800							6600	
3C		B42S6-5	7/22/2003	5	12000							6960	
3C		B42S7-8	7/23/2003	8	10900							1300	
3C		B42S7-8 DUP	7/23/2003	8								275	
3C		B42W1-5	6/30/2003	5									
3C		B45S10-6	11/2/2002	6									
3C		B45S11-6	6/30/2003	6									
3C		B45S12-6	6/30/2003	6									
3C		B45S8-6	11/2/2002	6									
3C		B45S9-6	11/2/2002	6									
3D	SWMU 22	2-10024	11/1/1994	0.0-2.0	20100	33.8	19200	<3090	<615	12800	<3150		740000
3D	Building 2	B2I1-8	11/2/2002	8	10000	< 20		< 500	< 250				
3D		B2I2-3	6/30/2003	3									
3D	Along Industrial Sewer Line	B2N1-8	11/2/2002	8	J4 4800	< 20		< 500	< 250				
3D	Along Industrial Sewer Line	B2N2-8	11/2/2002	8	5900	< 20		< 500	< 250				
3D	Along Industrial Sewer Line	B2N3-8	11/2/2002	8	8100	J4 30		< 500	< 250				
3D	Along Industrial Sewer Line	B2N4-6	11/2/2002	6									
3D		B2N6-6	7/24/2003	6	6460	< 100	6440	< 4700	< 400	< 5100	24800		305000
3D		B2N7-6	7/24/2003	6	9970	< 100	11100	5200	469	< 5100	93300		186000
3D	Building 2	B2W1-6	11/2/2002	6	6800	< 20		< 500	< 250				
3D	SWMU 22	B41E1-10	11/2/2002	10									
3D	SWMU 22	B41S2-4	11/2/2002	4									
3D	SWMU 22	B41S4-6	11/2/2002	6									
3E		B2E1-7	7/1/2003	7									

Appendix D-1
Soil Data for Area 3: Retained Area
Boeing Tract 1, St. Louis, Missouri

Sub-area	Source/Area	Sample ID	Date	Depth (ft bgs)	Lead	Mercury	Nickel	Selenium	Silver	Thallium	Zinc	Ammonia Nitrogen	Manganese
3E		B2E2-8	7/24/2003	8	8100								
3E		B2E2-8 DUP	7/24/2003	8									
3E	Along Industrial Sewer Line	B2N5-7	11/2/2002	7									
3F		B1W1-7	7/1/2003	7									
3F		B1W1-7 DUP	7/1/2003	7									
3F		B1W2-8	7/24/2003	8	6190								
3F		B1W2-8 DUP	7/24/2003	8	8780								
3G		B2S1-6	7/1/2003	6									
3G		B2S2-7	7/24/2003	7	13400								
3G		B2S2-7 DUP	7/24/2003	7	9910								
3H	UST Area Between Bldgs 4 and 5	B4E1-14	11/2/2002	14									
3H		B4E2D-10	11/22/2002	10									
3H		B4E3-18	7/24/2003	18	B 8630								

Notes:
All concentrations in ug/kg (micrograms per kilogram)
< Less than detection limit shown
Blanks: Not analyzed
ND: Not detected
ft bgs: Feet below ground surface
GC/FID: Gas chromatograph/flame ionization detector
Lab qualifiers in Section 1.0

Sub-area	Source/Area	Sample ID	Date	Depth (ft bgs)	Nitrate as Nitrogen	Sodium	Potassium	Iron	Cobalt	Calcium	Aluminum
3A	SWMU 22	B41N1-8	11/2/2002	8							
3A	SWMU 22	B41S1-6	11/2/2002	6							
3A	SWMU 22	B41S1-6 DUP	11/2/2002	6							
3A	SWMU 22	B41S3D-4	11/2/2002	4							
3A		B42N1-9	7/1/2003	9							
3A		B42N2-12	7/23/2003	12							
3A		B42N3-4	7/23/2003	4							
3A		B42N4-8	7/23/2003	8							
3A		B42N5-6	7/23/2003	6							
3A	Along Industrial Sewer Line	B44N1-9	11/2/2002	9							
3B		B42E1-5	7/1/2003	5							
3B		B42E2-8	7/22/2003	8							
3B		B42E3-4	7/22/2003	4							
3C		B42S1-6	11/2/2002	6							
3C		B42S2-5	6/30/2003	5							
3C		B42S3-9	7/22/2003	9							
3C		B42S4-6	7/22/2003	4	4920						
3C		B42S5-8	7/22/2003	8	< 1000						
3C		B42S6-5	7/22/2003	5	18300						
3C		B42S7-8	7/23/2003	8	< 1000						
3C		B42S7-8 DUP	7/23/2003	8	< 1000						
3C		B42W1-5	6/30/2003	5							
3C		B45S10-6	11/2/2002	6							
3C		B45S11-6	6/30/2003	6							
3C		B45S12-6	6/30/2003	6							
3C		B45S8-6	11/2/2002	6							
3C		B45S9-6	11/2/2002	6							
3D	SWMU 22	2-10024	11/1/1994	0.0-2.0		128000	1230000	18200000	6940	23700000	8300000
3D	Building 2	B2I1-8	11/2/2002	8							
3D		B2I2-3	6/30/2003	3							
3D	Along Industrial Sewer Line	B2N1-8	11/2/2002	8							
3D	Along Industrial Sewer Line	B2N2-8	11/2/2002	8							
3D	Along Industrial Sewer Line	B2N3-8	11/2/2002	8							
3D	Along Industrial Sewer Line	B2N4-6	11/2/2002	6							
3D		B2N6-6	7/24/2003	6							
3D		B2N7-6	7/24/2003	6							
3D	Building 2	B2W1-6	11/2/2002	6							
3D	SWMU 22	B41E1-10	11/2/2002	10							
3D	SWMU 22	B41S2-4	11/2/2002	4							
3D	SWMU 22	B41S4-6	11/2/2002	6							
3E		B2E1-7	7/1/2003	7							

Appendix D-1
Soil Data for Area 3: Retained Area
Boeing Tract 1, St. Louis, Missouri

Sub-area	Source/Area	Sample ID	Date	Depth (ft bgs)	Nitrate as Nitrogen	Sodium	Potassium	Iron	Cobalt	Calcium	Aluminum
3E		B2E2-8	7/24/2003	8							
3E		B2E2-8 DUP	7/24/2003	8							
3E	Along Industrial Sewer Line	B2N5-7	11/2/2002	7							
3F		B1W1-7	7/1/2003	7							
3F		B1W1-7 DUP	7/1/2003	7							
3F		B1W2-8	7/24/2003	8							
3F		B1W2-8 DUP	7/24/2003	8							
3G		B2S1-6	7/1/2003	6							
3G		B2S2-7	7/24/2003	7							
3G		B2S2-7 DUP	7/24/2003	7							
3H	UST Area Between Bldgs 4 and 5	B4E1-14	11/2/2002	14							
3H		B4E2D-10	11/22/2002	10							
3H		B4E3-18	7/24/2003	18							

Notes:
All concentrations in ug/kg (micrograms per kilogram)
< Less than detection limit shown
Blanks: Not analyzed
ND: Not detected
ft bgs: Feet below ground surface
GC/FID: Gas chromatograph/flame ionization detector
Lab qualifiers in Section 1.0

Appe[illegible]D-2
Groundwater Data For Area 3: Retained Area
Boeing Tract 1, St. Louis, Missouri

Sub-area	Sample ID	Date	Group	#6 Fuel Oil (C10-C32)	1,1,1-Trichloroethane	1,1,2-Trichloro-1,2,2-trifluoro ethane	1,1-Dichloro ethane	1,1-Dichloro ethene	1,2,4-Trimethylbenzene	1,2-Dichloro benzene	1,3,5-Trimethyl benzene	1,4-Dioxane	Acetone	Arsenic	Barium	Barium, Dissolved	Benzene	Cadmium
3A	B41MW-18	14-Nov-02	TPH															
3A	B41MW-18	14-Nov-02	VOCs		< 1		< 1	< 1	< 1	< 1	< 1						< 1	
3A	B41MW-4	21-Nov-88	VOCs															
3A	B41N1W	08-Nov-02	PAHs															
3A	B41N1W	08-Nov-02	TPH															
3A	B41N1W	08-Nov-02	VOCs		< 5		< 5	< 5	13	< 5	< 5						135	
3A	B41S1W	07-Nov-02	PAHs															
3A	B41S1W	07-Nov-02	TPH															
3A	B41S1W	07-Nov-02	VOCs		< 5		< 5	< 5	< 5	< 5	< 5						< 5	
3A	B42N1W	01-Jul-03	TPH															
3A	B42N1W	01-Jul-03	VOCs														< 5	
3A	B42N2W	23-Jul-03	Metals															
3A	B42N2W	23-Jul-03	TPH															
3A	B42N2W	23-Jul-03	VOCs		< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 20				< 5	
3A	B42N3W	23-Jul-03	Metals															
3A	B42N3W	23-Jul-03	TPH															
3A	B42N3W	23-Jul-03	VOCs		< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 20				< 5	
3A	B42N4W	23-Jul-03	Metals															
3A	B42N4W	23-Jul-03	TPH															
3A	B42N4W	23-Jul-03	VOCs		< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 20				< 5	
3A	B42N5W	23-Jul-03	Metals															
3A	B42N5W	23-Jul-03	TPH															
3A	B42N5W-2004	29-Apr-04	TPH															
3A	B42N5W	23-Jul-03	VOCs		< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 20				< 5	
3A	B44N1W	08-Nov-02	Metals											100	960			< 5
3A	B44N1W	08-Nov-02	TPH															
3A	B44N1W	08-Nov-02	VOCs		< 5		< 5	< 5	< 5	< 5	< 5						< 5	
3A	B44N1W DUP	08-Nov-02	TPH															
3A	B44N1W DUP	08-Nov-02	VOCs		< 5		< 5	< 5	< 5	< 5	< 5						< 5	
3B	B42E1W	01-Jul-03	TPH															
3B	B42E1W-2004	4/30/2004	TPH															
3B	B42E1W	01-Jul-03	VOCs														< 50	
3B	B42E2W	23-Jul-03	Metals															
3B	B42E2W	23-Jul-03	Metals, Dissolved															
3B	B42E2W	23-Jul-03	TPH															
3B	B42E2W	23-Jul-03	VOCs														< 2	
3B	B42E2W	24-Jul-03	VOCs		< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 20				< 5	
3B	B42E3W	22-Jul-03	Metals															
3B	B42E3W	23-Jul-03	VOCs		< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	J 10				< 5	
3B	B42E3W	24-Jul-03	TPH															
3B	B42E3W	24-Jul-03	VOCs		< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	J 16				< 5	
3B	B42E3W	25-Jul-03	VOCs															
3C	B42S1W	20-Nov-02	TPH															
3C	B42S1W	20-Nov-02	VOCs														< 0.5	
3C	B42S2W	30-Jun-03	TPH															
3C	B42S2W	30-Jun-03	VOCs														< 5	
3C	B42S3W	23-Jul-03	Metals															
3C	B42S3W	23-Jul-03	TPH															
3C	B42S3W	23-Jul-03	VOCs		< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 20				< 5	
3C	B42S4W	23-Jul-03	Metals															
3C	B42S4W	23-Jul-03	Metals, Dissolved															
3C	B42S4W	23-Jul-03	TPH															
3C	B42S4W	23-Jul-03	VOCs		< 5	< 5	J 3.9	< 5	< 5	< 5	< 5	< 5	< 20				< 5	
3C	B42S4W DUP	23-Jul-03	TPH															
3C	B42S4W DUP	23-Jul-03	VOCs		J 2.1	< 5	J 4	< 5	< 5	< 5	< 5	< 5	< 20				< 5	

Appe[illegible]D-2
Groundwater Data For Area 3: Retained Area
Boeing Tract 1, St. Louis, Missouri

Sub-area	Sample ID	Date	Group	#6 Fuel Oil (C10-C32)	1,1,1-Trichloroethane	1,1,2-Trichloro-1,2,2-trifluoroethane	1,1-Dichloroethane	1,1-Dichloroethene	1,2,4-Trimethylbenzene	1,2-Dichlorobenzene	1,3,5-Trimethylbenzene	1,4-Dioxane	Acetone	Arsenic	Barium	Barium, Dissolved	Benzene	Cadmium
3C	B42S5W	22-Jul-03	Metals															
3C	B42S5W	22-Jul-03	TPH															
3C	B42S5W	22-Jul-03	VOCs		< 125	< 125	< 125	< 125	< 125	< 125	< 125	< 125	< 500				< 125	
3C	B42S6W	22-Jul-03	TPH															
3C	B42S6W	22-Jul-03	VOCs		< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 200				< 50	
3C	B42S6W	23-Jul-03	TPH															
3C	B42S6W	23-Jul-03	VOCs		< 5	< 5	< 5	J 2.3	< 5	< 5	< 5	< 5	< 20				< 5	
3C	B42S7W	23-Jul-03	TPH															
3C	B42S7W	23-Jul-03	VOCs		< 5	5.9	< 5	< 5	< 5	< 5	< 5	< 5	< 20				< 5	
3C	B42W1W	30-Jun-03	TPH															
3C	B42W1W-2004	5/4/2004	TPH															
3C	B42W1W-2004-Dup	5/4/2004	TPH															
3C	B42W1W	30-Jun-03	VOCs														< 100	
3C	B45S10W	19-Nov-02	TPH															
3C	B45S10W	19-Nov-02	VOCs														< 5	
3C	B45S11W	30-Jun-03	TPH															
3C	B45S11W	30-Jun-03	VOCs														< 50	
3C	B45S12W	30-Jun-03	TPH															
3C	B45S12W	30-Jun-03	VOCs														< 5	
3C	B45S8W	19-Nov-02	TPH															
3C	B45S8W-2004	5/4/2004	TPH															
3C	B45S8W	19-Nov-02	VOCs														< 5	
3C	B45S9W	19-Nov-02	TPH															
3C	B45S9W	19-Nov-02	VOCs														< 5	
3C	MW-A4W	29-Jul-03	VOCs		< 5	< 5	J 2.9	< 5	< 5	< 5	< 5	< 5	< 20				< 5	
3D	B2I1W	08-Nov-02	Metals		< 5									< 10	500			< 5
3D	B2I1W	08-Nov-02	PAHs															
3D	B2I1W	08-Nov-02	VOCs				< 5	< 5	< 5	< 5	< 5						< 5	
3D	B2I2W	30-Jun-03	TPH															
3D	B2I2W	30-Jun-03	VOCs		< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 20				< 5	
3D	B2N1W	11-Nov-02	Metals											< 10	1300			< 5
3D	B2N1W	11-Nov-02	VOCs		< 5		< 5	< 5	< 5	< 5	< 5						< 5	
3D	B2N2W	12-Nov-02	Metals											34	600			< 5
3D	B2N2W	12-Nov-02	VOCs		< 1		< 1	< 1	< 1	< 1	< 1						< 1	
3D	B2N3W	12-Nov-02	Metals											98	10000			< 5
3D	B2N3W	12-Nov-02	VOCs		< 1		< 1	< 1	< 1	< 1	< 1						< 1	
3D	B2N3W DUP	12-Nov-02	VOCs		< 5		< 5	< 5	< 5	< 5	< 5						< 5	
3D	B2N4W	13-Nov-02	VOCs		< 1		< 1	< 1	< 1	< 1	< 1						< 1	
3D	B2N6W	24-Jul-03	Metals											< 30	727			< 4
3D	B2N6W	24-Jul-03	Metals, Dissolved													754		
3D	B2N6W	24-Jul-03	TPH															
3D	B2N6W	24-Jul-03	VOCs		< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 20				< 5	
3D	B2N7W	24-Jul-03	Metals											< 30	219			43
3D	B2N7W	24-Jul-03	Metals, Dissolved													170		
3D	B2N7W	24-Jul-03	TPH															
3D	B2N7W	24-Jul-03	VOCs		< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	J 15				< 5	
3D	B2W1W	08-Nov-02	Metals											< 10	500			< 5
3D	B2W1W	08-Nov-02	PAHs															
3D	B2W1W	08-Nov-02	VOCs		< 5		< 5	< 5	< 5	< 5	< 5						6.3	
3D	B41E1W	12-Nov-02	TPH															
3D	B41E1W	12-Nov-02	VOCs		< 1		< 1	< 1	< 1	< 1	< 1						< 1	
3D	B41MW-5	01-Nov-02	PAHs															
3D	B41MW-5	01-Nov-02	TPH															
3D	B41MW-5	01-Nov-02	VOCs		< 1		E 98	10	< 1	< 1	< 1		< 50				< 1	
3D	B41MW-5	20-Mar-03	VOCs		< 5	< 5	110	6.6	< 5	< 5	< 5	36	< 20				< 5	

Appendix D-2
Groundwater Data For Area 3: Retained Area
Boeing Tract 1, St. Louis, Missouri

Sub-area	Sample ID	Date	Group	#6 Fuel Oil (C10-C32)	1,1,1-Trichloroethane	1,1,2-Trichloro-1,2,2-trifluoro ethane	1,1-Dichloro ethane	1,1-Dichloro ethene	1,2,4-Trimethylbenzene	1,2-Dichloro benzene	1,3,5-Trimethyl benzene	1,4-Dioxane	Acetone	Arsenic	Barium	Barium, Dissolved	Benzene	Cadmium
3D	B41MW-7	01-Nov-02	PAHs															
3D	B41MW-7	01-Nov-02	TPH															
3D	B41MW-7	01-Nov-02	VOCs		< 1		< 1	< 1	< 1	< 1	< 1		< 50				< 1	
3D	B41S2W	07-Nov-02	PAHs															
3D	B41S2W	07-Nov-02	TPH															
3D	B41S2W	07-Nov-02	VOCs		< 5		< 5	< 5	< 5	< 5	< 5						< 5	
3D	B41S4W	13-Nov-02	TPH															
3D	B41S4W	13-Nov-02	VOCs		< 1		< 1	< 1	< 1	< 1	< 1						< 1	
3E	B2E1W	01-Jul-03	TPH															
3E	B2E1W	01-Jul-03	VOCs														< 5	
3E	B2E2W	24-Jul-03	Metals		< 500													
3E	B2E2W	24-Jul-03	TPH															
3E	B2E2W-2004	4/29/2004	TPH															
3E	B2E2W	24-Jul-03	VOCs			< 500	< 500	< 500	2500	< 500	620	< 500	JB 540				< 500	
3E	B2E2W DUP	24-Jul-03	TPH															
3E	B2E2W DUP	24-Jul-03	VOCs														< 200	
3E	B2N5W	13-Nov-02	VOCs				< 1	< 1	< 1	< 1	< 1						< 1	
3F	B1W1W	01-Jul-03	TPH															
3F	B1W1W	01-Jul-03	VOCs														< 5	
3F	B1W1W Dup	01-Jul-03	TPH															
3F	B1W1W Dup	01-Jul-03	VOCs														< 5	
3F	B1W2W	25-Jul-03	Metals		<5													
3F	B1W2W	25-Jul-03	TPH															
3F	B1W2W	25-Jul-03	VOCs			< 20	< 50	< 5	< 5	< 5	< 5	< 5	< 25				< 2	
3G	B2S1W	01-Jul-03	TPH															
3G	B2S1W	01-Jul-03	VOCs														< 5	
3G	B2S2W	24-Jul-03	Metals															
3G	B2S2W	24-Jul-03	TPH															
3G	B2S2W-2004	4/30/2004	TPH															
3G	B2S2W	24-Jul-03	VOCs			< 5	< 5	< 5	5.5	< 5	J 3.1	< 5	34				660	
3H	B4E1W	21-Nov-02	TPH															
3H	B4E1W	21-Nov-02	VOCs														< 0.5	
3H	B4E3W	24-Jul-03	Metals															
3H	B4E3W	24-Jul-03	TPH															
3H	B4E3W	24-Jul-03	VOCs		< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 20				< 5	
3H	B4E3W DUP	24-Jul-03	TPH															
3H	B5MW-22W	27-Jun-03	TPH	< 100														
3H	B5MW-22W	27-Jun-03	VOCs		< 1	< 1	< 1	< 1	< 1	3.7	< 1		< 50				< 1	
3H	B5MW-22W	29-Jul-03	Metals											80	1910			< 4
3H	B5MW-22W	29-Jul-03	Metals, Dissolved													1510		
3H	B5MW-22W	29-Jul-03	PAHs															
3H	B5MW-22W	29-Jul-03	VOCs		< 5	< 5	< 5	< 5	< 5	J 3	< 5	< 5	< 20				< 5	

Notes:
All concentrations in ug/L (micrograms per liter)
< Less than detection limit shown
Blanks: Not analyzed
ND: Not detected
VOC: Volatile Organic Compound
TPH: Total Petroleum Hydrocarbon
PAH: Polycyclic Aromatic Hydrocarbon
Lab qualifiers in Section 1.0

Appendix D-2
Groundwater Data For Area 3: Retained Area
Boeing Tract 1, St. Louis, Missouri

Sub-area	Sample ID	Date	Group	Cadmium, Dissolved	Carbon disulfide	Carbon tetrachloride	Chloroethane	Chloroform	Chromium	Chromium, Dissolved	cis-1,2-Dichloro ethene	Copper	Copper, Dissolved	Diesel #1	Diesel #2	Diesel (C7-C26)	Ethyl benzene
3A	B41MW-18	14-Nov-02	TPH											< 1000	< 1000		
3A	B41MW-18	14-Nov-02	VOCs			< 1	< 1	< 1			< 1						< 1
3A	B41MW-4	21-Nov-88	VOCs														
3A	B41N1W	08-Nov-02	PAHs														
3A	B41N1W	08-Nov-02	TPH											< 1000	< 1000		
3A	B41N1W	08-Nov-02	VOCs			< 5	< 5	< 5			< 5						< 5
3A	B41S1W	07-Nov-02	PAHs														
3A	B41S1W	07-Nov-02	TPH											< 1000	< 1000		
3A	B41S1W	07-Nov-02	VOCs			< 5	< 5	< 5			< 5						< 5
3A	B42N1W	01-Jul-03	TPH											< 1000	< 1000		
3A	B42N1W	01-Jul-03	VOCs														< 5
3A	B42N2W	23-Jul-03	Metals														
3A	B42N2W	23-Jul-03	TPH														
3A	B42N2W	23-Jul-03	VOCs		< 10	< 5	< 5	< 5			< 5						< 5
3A	B42N3W	23-Jul-03	Metals														
3A	B42N3W	23-Jul-03	TPH														
3A	B42N3W	23-Jul-03	VOCs		< 10	< 5	< 5	< 5			< 5						< 5
3A	B42N4W	23-Jul-03	Metals														
3A	B42N4W	23-Jul-03	TPH														
3A	B42N4W	23-Jul-03	VOCs		< 10	< 5	< 5	< 5			< 5						< 5
3A	B42N5W	23-Jul-03	Metals														
3A	B42N5W	23-Jul-03	TPH														
3A	B42N5W-2004	29-Apr-04	TPH														
3A	B42N5W	23-Jul-03	VOCs		< 10	< 5	< 5	< 5			760						< 5
3A	B44N1W	08-Nov-02	Metals						J4 64								
3A	B44N1W	08-Nov-02	TPH											< 1000	< 1000		
3A	B44N1W	08-Nov-02	VOCs			< 5	< 5	< 5			< 5						< 5
3A	B44N1W DUP	08-Nov-02	TPH											< 1000	< 1000		
3A	B44N1W DUP	08-Nov-02	VOCs			< 5	< 5	< 5			< 5						< 5
3B	B42E1W	01-Jul-03	TPH											< 1000	1240		
3B	B42E1W-2004	4/30/2004	TPH														
3B	B42E1W	01-Jul-03	VOCs														< 50
3B	B42E2W	23-Jul-03	Metals														
3B	B42E2W	23-Jul-03	Metals, Dissolved														
3B	B42E2W	23-Jul-03	TPH														
3B	B42E2W	23-Jul-03	VOCs														< 2
3B	B42E2W	24-Jul-03	VOCs		< 10	< 5	< 5	< 5			< 5						< 5
3B	B42E3W	22-Jul-03	Metals														
3B	B42E3W	23-Jul-03	VOCs		< 10	< 5	< 5	< 5			< 5						< 5
3B	B42E3W	24-Jul-03	TPH														
3B	B42E3W	24-Jul-03	VOCs		< 10	< 5	< 5	< 5			< 5						< 5
3B	B42E3W	25-Jul-03	VOCs														
3C	B42S1W	20-Nov-02	TPH														
3C	B42S1W	20-Nov-02	VOCs														< 0.5
3C	B42S2W	30-Jun-03	TPH											< 1000	12600		
3C	B42S2W	30-Jun-03	VOCs														< 5
3C	B42S3W	23-Jul-03	Metals														
3C	B42S3W	23-Jul-03	TPH														
3C	B42S3W	23-Jul-03	VOCs		< 10	J 4.7	< 5	93			< 5						< 5
3C	B42S4W	23-Jul-03	Metals														
3C	B42S4W	23-Jul-03	Metals, Dissolved														
3C	B42S4W	23-Jul-03	TPH														
3C	B42S4W	23-Jul-03	VOCs		< 10	< 5	< 5	< 5			8.3						< 5
3C	B42S4W DUP	23-Jul-03	TPH														
3C	B42S4W DUP	23-Jul-03	VOCs		< 10	< 5	< 5	< 5			8.9						< 5

Appendix D-2
Groundwater Data For Area 3: Retained Area
Boeing Tract 1, St. Louis, Missouri

Sub-area	Sample ID	Date	Group	Cadmium, Dissolved	Carbon disulfide	Carbon tetrachloride	Chloroethane	Chloroform	Chromium	Chromium, Dissolved	cis-1,2-Dichloro ethene	Copper	Copper, Dissolved	Diesel #1	Diesel #2	Diesel (C7-C26)	Ethyl benzene
3C	B42S5W	22-Jul-03	Metals														
3C	B42S5W	22-Jul-03	TPH														
3C	B42S5W	22-Jul-03	VOCs		< 250	< 125	< 125	< 125			< 125						< 125
3C	B42S6W	22-Jul-03	TPH														
3C	B42S6W	22-Jul-03	VOCs		< 100	< 50	< 50	< 50			< 50						< 50
3C	B42S6W	23-Jul-03	TPH														
3C	B42S6W	23-Jul-03	VOCs		< 10	< 5	< 5	< 5			< 5						< 5
3C	B42S7W	23-Jul-03	TPH														
3C	B42S7W	23-Jul-03	VOCs		< 10	< 5	< 5	< 5			< 5						< 5
3C	B42W1W	30-Jun-03	TPH											< 1000	91090		
3C	B42W1W-2004	5/4/2004	TPH														
3C	B42W1W-2004-Dup	5/4/2004	TPH														
3C	B42W1W	30-Jun-03	VOCs														< 100
3C	B45S10W	19-Nov-02	TPH											< 1000	< 1000		
3C	B45S10W	19-Nov-02	VOCs														< 5
3C	B45S11W	30-Jun-03	TPH											< 1000	98170		
3C	B45S11W	30-Jun-03	VOCs														< 50
3C	B45S12W	30-Jun-03	TPH											< 1000	< 1000		
3C	B45S12W	30-Jun-03	VOCs														< 5
3C	B45S8W	19-Nov-02	TPH											< 1000	< 1000		
3C	B45S8W-2004	5/4/2004	TPH														
3C	B45S8W	19-Nov-02	VOCs														< 5
3C	B45S9W	19-Nov-02	TPH											< 1000	< 1000		
3C	B45S9W	19-Nov-02	VOCs														< 5
3C	MW-A4W	29-Jul-03	VOCs		< 10	< 5	< 5	< 5			< 5						< 5
3D	B2I1W	08-Nov-02	Metals			< 5			J4 32								
3D	B2I1W	08-Nov-02	PAHs														
3D	B2I1W	08-Nov-02	VOCs				< 5	< 5			< 5						< 5
3D	B2I2W	30-Jun-03	TPH											< 1000	< 1000		
3D	B2I2W	30-Jun-03	VOCs		< 10	< 5	< 5	< 5			< 5						< 5
3D	B2N1W	11-Nov-02	Metals						40								
3D	B2N1W	11-Nov-02	VOCs			< 5	< 5	< 5			< 5						< 5
3D	B2N2W	12-Nov-02	Metals						42								
3D	B2N2W	12-Nov-02	VOCs			< 1	< 1	< 1			< 1						< 1
3D	B2N3W	12-Nov-02	Metals						320								
3D	B2N3W	12-Nov-02	VOCs			< 1	< 1	< 1			45						< 1
3D	B2N3W DUP	12-Nov-02	VOCs			< 5	< 5	< 5			39						< 5
3D	B2N4W	13-Nov-02	VOCs			< 1	< 1	< 1			19						< 1
3D	B2N6W	24-Jul-03	Metals						< 5			4					
3D	B2N6W	24-Jul-03	Metals, Dissolved	< 4						< 5			< 4				
3D	B2N6W	24-Jul-03	TPH														
3D	B2N6W	24-Jul-03	VOCs		< 10	< 5	< 5	< 5			< 5						< 5
3D	B2N7W	24-Jul-03	Metals						25			6					
3D	B2N7W	24-Jul-03	Metals, Dissolved	7						6			< 4				
3D	B2N7W	24-Jul-03	TPH														
3D	B2N7W	24-Jul-03	VOCs		< 10	< 5	< 5	< 5			< 5						< 5
3D	B2W1W	08-Nov-02	Metals						J4 10								
3D	B2W1W	08-Nov-02	PAHs														
3D	B2W1W	08-Nov-02	VOCs			< 5	7.3	< 5			< 5						< 5
3D	B41E1W	12-Nov-02	TPH											< 1000	< 1000		
3D	B41E1W	12-Nov-02	VOCs			< 1	< 1	< 1			1.2						< 1
3D	B41MW-5	01-Nov-02	PAHs														
3D	B41MW-5	01-Nov-02	TPH														
3D	B41MW-5	01-Nov-02	VOCs			< 1	< 1	< 5			6.4						< 1
3D	B41MW-5	20-Mar-03	VOCs		< 10	< 5	< 5	< 5			< 5						< 5

Appendix D-2
Groundwater Data For Area 3: Retained Area
Boeing Tract 1, St. Louis, Missouri

Sub-area	Sample ID	Date	Group	Cadmium, Dissolved	Carbon disulfide	Carbon tetrachloride	Chloroethane	Chloroform	Chromium	Chromium, Dissolved	cis-1,2-Dichloro ethene	Copper	Copper, Dissolved	Diesel #1	Diesel #2	Diesel (C7-C26)	Ethyl benzene
3D	B41MW-7	01-Nov-02	PAHs														
3D	B41MW-7	01-Nov-02	TPH														
3D	B41MW-7	01-Nov-02	VOCs			< 1	< 1	< 5			< 1						< 1
3D	B41S2W	07-Nov-02	PAHs														
3D	B41S2W	07-Nov-02	TPH											< 1000	< 1000		
3D	B41S2W	07-Nov-02	VOCs			< 5	< 5	< 5			< 5						< 5
3D	B41S4W	13-Nov-02	TPH											< 1000	< 1000		
3D	B41S4W	13-Nov-02	VOCs			< 1	< 1	< 1			< 1						< 1
3E	B2E1W	01-Jul-03	TPH											< 1000	< 1000		
3E	B2E1W	01-Jul-03	VOCs														12.8
3E	B2E2W	24-Jul-03	Metals		< 1000	< 500											
3E	B2E2W	24-Jul-03	TPH														
3E	B2E2W-2004	4/29/2004	TPH														
3E	B2E2W	24-Jul-03	VOCs				< 500	< 500			< 500						2700
3E	B2E2W DUP	24-Jul-03	TPH														
3E	B2E2W DUP	24-Jul-03	VOCs														2490
3E	B2N5W	13-Nov-02	VOCs				< 1	< 1			< 1						< 1
3F	B1W1W	01-Jul-03	TPH											< 1000	< 1000		
3F	B1W1W	01-Jul-03	VOCs														< 5
3F	B1W1W Dup	01-Jul-03	TPH											< 1000	< 1000		
3F	B1W1W Dup	01-Jul-03	VOCs														< 5
3F	B1W2W	25-Jul-03	Metals		<5	<5											
3F	B1W2W	25-Jul-03	TPH														
3F	B1W2W	25-Jul-03	VOCs				< 10	< 5			< 5						< 5
3G	B2S1W	01-Jul-03	TPH											< 1000	< 1000		
3G	B2S1W	01-Jul-03	VOCs														< 5
3G	B2S2W	24-Jul-03	Metals														
3G	B2S2W	24-Jul-03	TPH														
3G	B2S2W-2004	4/30/2004	TPH														
3G	B2S2W	24-Jul-03	VOCs				< 5	< 5			< 5						38
3H	B4E1W	21-Nov-02	TPH														
3H	B4E1W	21-Nov-02	VOCs														< 0.5
3H	B4E3W	24-Jul-03	Metals														
3H	B4E3W	24-Jul-03	TPH														
3H	B4E3W	24-Jul-03	VOCs		J 2.1	< 5	< 5	< 5			< 5						< 5
3H	B4E3W DUP	24-Jul-03	TPH														
3H	B5MW-22W	27-Jun-03	TPH													< 100	
3H	B5MW-22W	27-Jun-03	VOCs			< 1	< 1	< 5			< 1						< 1
3H	B5MW-22W	29-Jul-03	Metals						14			17					
3H	B5MW-22W	29-Jul-03	Metals, Dissolved	< 4						< 5			5				
3H	B5MW-22W	29-Jul-03	PAHs														
3H	B5MW-22W	29-Jul-03	VOCs		< 10	< 5	< 5	< 5			< 5						< 5

Notes:
All concentrations in ug/L (micrograms per liter)
< Less than detection limit shown
Blanks: Not analyzed
ND: Not detected
VOC: Volatile Organic Compound
TPH: Total Petroleum Hydrocarbon
PAH: Polycyclic Aromatic Hydrocarbon
Lab qualifiers in Section 1.0

Appe[illegible]D-2
Groundwater Data For Area 3: Retained Area
Boeing Tract 1, St. Louis, Missouri

Sub-area	Sample ID	Date	Group	Gasoline (C6-C14)	Isopropyl benzene	Lead	m,p-Xylene	Mercury	Mercury, Dissolved	Methylene chloride	Methyl ethyl ketone (MEK)	Methyl isobutyl ketone	Methyl tert-butyl ether	Mineral Spirits (C7-C14)	Misc_TPH (C10-C40)	Motor Oil	Motor Oil (C16-C33)	Naphthalene	n-Butyl benzene
3A	B41MW-18	14-Nov-02	TPH														< 1000		
3A	B41MW-18	14-Nov-02	VOCs		< 1		< 1			< 1								< 1	< 1
3A	B41MW-4	21-Nov-88	VOCs																
3A	B41N1W	08-Nov-02	PAHs																
3A	B41N1W	08-Nov-02	TPH														< 1000		
3A	B41N1W	08-Nov-02	VOCs		24		31			< 5								< 5	< 5
3A	B41S1W	07-Nov-02	PAHs																
3A	B41S1W	07-Nov-02	TPH														< 1000		
3A	B41S1W	07-Nov-02	VOCs		< 5		< 5			< 5								< 5	< 5
3A	B42N1W	01-Jul-03	TPH	< 1000												< 1000			
3A	B42N1W	01-Jul-03	VOCs										< 5						
3A	B42N2W	23-Jul-03	Metals			< 44													
3A	B42N2W	23-Jul-03	TPH																
3A	B42N2W	23-Jul-03	VOCs		< 5		< 5			< 20	< 5	< 10	< 2					< 10	< 5
3A	B42N3W	23-Jul-03	Metals			< 44													
3A	B42N3W	23-Jul-03	TPH																
3A	B42N3W	23-Jul-03	VOCs		< 5		< 5			< 20	< 5	< 10	< 2					< 10	< 5
3A	B42N4W	23-Jul-03	Metals			< 44													
3A	B42N4W	23-Jul-03	TPH																
3A	B42N4W	23-Jul-03	VOCs		< 5		< 5			< 20	< 5	< 10	< 2					< 10	< 5
3A	B42N5W	23-Jul-03	Metals			< 44													
3A	B42N5W	23-Jul-03	TPH																
3A	B42N5W-2004	29-Apr-04	TPH																
3A	B42N5W	23-Jul-03	VOCs		22		< 5			< 20	< 5	< 10	< 10					< 10	< 5
3A	B44N1W	08-Nov-02	Metals			110		< 0.2											
3A	B44N1W	08-Nov-02	TPH														< 1000		
3A	B44N1W	08-Nov-02	VOCs		< 5		< 5			< 5								< 5	< 5
3A	B44N1W DUP	08-Nov-02	TPH														< 1000		
3A	B44N1W DUP	08-Nov-02	VOCs		< 5		< 5			< 5								< 5	< 5
3B	B42E1W	01-Jul-03	TPH	11310												< 1000			
3B	B42E1W-2004	4/30/2004	TPH																
3B	B42E1W	01-Jul-03	VOCs										< 50						
3B	B42E2W	23-Jul-03	Metals			< 44													
3B	B42E2W	23-Jul-03	Metals, Dissolved																
3B	B42E2W	23-Jul-03	TPH																
3B	B42E2W	23-Jul-03	VOCs										< 2						
3B	B42E2W	24-Jul-03	VOCs		< 5		< 5			JB 3	< 5	< 10	< 10					< 10	< 5
3B	B42E3W	22-Jul-03	Metals			46													
3B	B42E3W	23-Jul-03	VOCs		7.8		< 5			< 20	< 5	< 10	< 10					J 7.4	< 5
3B	B42E3W	24-Jul-03	TPH																
3B	B42E3W	24-Jul-03	VOCs		J 3.5		< 5			JB 3.5	< 5	< 10	< 2					10	< 5
3B	B42E3W	25-Jul-03	VOCs																
3C	B42S1W	20-Nov-02	TPH																
3C	B42S1W	20-Nov-02	VOCs										< 5						
3C	B42S2W	30-Jun-03	TPH	1010												2950			
3C	B42S2W	30-Jun-03	VOCs										< 5						
3C	B42S3W	23-Jul-03	Metals			< 44													
3C	B42S3W	23-Jul-03	TPH																
3C	B42S3W	23-Jul-03	VOCs		< 5		< 5			< 20	< 5	< 10	< 2					< 10	< 5
3C	B42S4W	23-Jul-03	Metals			< 44													
3C	B42S4W	23-Jul-03	Metals, Dissolved																
3C	B42S4W	23-Jul-03	TPH																
3C	B42S4W	23-Jul-03	VOCs		< 5		< 5			< 20	< 5	< 10	< 2					< 10	< 5
3C	B42S4W DUP	23-Jul-03	TPH																
3C	B42S4W DUP	23-Jul-03	VOCs		< 5		< 5			< 20	< 5	< 10	< 2					< 10	< 5

Appendix D-2
Groundwater Data For Area 3: Retained Area
Boeing Tract 1, St. Louis, Missouri

Sub-area	Sample ID	Date	Group	Gasoline (C6-C14)	Isopropyl benzene	Lead	m,p-Xylene	Mercury	Mercury, Dissolved	Methylene chloride	Methyl ethyl ketone (MEK)	Methyl isobutyl ketone	Methyl tert-butyl ether	Mineral Spirits (C7-C14)	Misc_TPH (C10-C40)	Motor Oil	Motor Oil (C16-C33)	Naphthalene	n-Butyl benzene
3C	B42S5W	22-Jul-03	Metals			< 44													
3C	B42S5W	22-Jul-03	TPH																
3C	B42S5W	22-Jul-03	VOCs		1100		< 125			< 500	< 125	< 250	< 250					< 250	1200
3C	B42S6W	22-Jul-03	TPH																
3C	B42S6W	22-Jul-03	VOCs		J 28		< 50			< 200	< 50	< 100	< 100					< 100	69
3C	B42S6W	23-Jul-03	TPH																
3C	B42S6W	23-Jul-03	VOCs		< 5		< 5			< 20	< 5	< 10	< 2					< 10	< 5
3C	B42S7W	23-Jul-03	TPH																
3C	B42S7W	23-Jul-03	VOCs		< 5		< 5			< 20	< 5	< 10	< 2					< 10	< 5
3C	B42W1W	30-Jun-03	TPH	64560												2570			
3C	B42W1W-2004	5/4/2004	TPH																
3C	B42W1W-2004-Dup	5/4/2004	TPH																
3C	B42W1W	30-Jun-03	VOCs										< 100						
3C	B45S10W	19-Nov-02	TPH	17440													< 1000		
3C	B45S10W	19-Nov-02	VOCs										< 5						
3C	B45S11W	30-Jun-03	TPH	10570												< 1000			
3C	B45S11W	30-Jun-03	VOCs										< 50						
3C	B45S12W	30-Jun-03	TPH	< 1000												< 1000			
3C	B45S12W	30-Jun-03	VOCs										< 5						
3C	B45S8W	19-Nov-02	TPH	268300													< 1000		
3C	B45S8W-2004	5/4/2004	TPH																
3C	B45S8W	19-Nov-02	VOCs										< 5						
3C	B45S9W	19-Nov-02	TPH	10820													< 1000		
3C	B45S9W	19-Nov-02	VOCs										< 5						
3C	MW-A4W	29-Jul-03	VOCs		< 5		< 5			J 5.5	< 5	< 10	< 10					< 10	< 5
3D	B2I1W	08-Nov-02	Metals			13		< 0.2		< 5									
3D	B2I1W	08-Nov-02	PAHs																
3D	B2I1W	08-Nov-02	VOCs		< 5		< 5											< 5	< 5
3D	B2I2W	30-Jun-03	TPH	< 1000												< 1000			
3D	B2I2W	30-Jun-03	VOCs		< 5		< 5			J 7.2	< 5	< 10	< 5					< 10	< 5
3D	B2N1W	11-Nov-02	Metals			J4 79		0.33											
3D	B2N1W	11-Nov-02	VOCs		< 5		< 5			< 5								< 5	< 5
3D	B2N2W	12-Nov-02	Metals			39		< 0.2											
3D	B2N2W	12-Nov-02	VOCs		< 1		< 1			< 1								< 1	< 1
3D	B2N3W	12-Nov-02	Metals			110		< 0.2											
3D	B2N3W	12-Nov-02	VOCs		< 1		< 1			< 1								< 1	< 1
3D	B2N3W DUP	12-Nov-02	VOCs		< 5		< 5			< 5								< 5	< 5
3D	B2N4W	13-Nov-02	VOCs		< 1		< 1			< 1								< 1	< 1
3D	B2N6W	24-Jul-03	Metals			< 44		< 0.2											
3D	B2N6W	24-Jul-03	Metals, Dissolved						< 0.2										
3D	B2N6W	24-Jul-03	TPH																
3D	B2N6W	24-Jul-03	VOCs		< 5		< 5			JB 3	< 5	< 10	< 2					< 10	< 5
3D	B2N7W	24-Jul-03	Metals			< 44		< 0.2											
3D	B2N7W	24-Jul-03	Metals, Dissolved						< 0.2										
3D	B2N7W	24-Jul-03	TPH																
3D	B2N7W	24-Jul-03	VOCs		< 5		< 5			JB 2.6	8.8	J 2.9	< 2					< 10	< 5
3D	B2W1W	08-Nov-02	Metals			< 5		< 0.2											
3D	B2W1W	08-Nov-02	PAHs																
3D	B2W1W	08-Nov-02	VOCs		< 5		< 5			< 5								< 5	< 5
3D	B41E1W	12-Nov-02	TPH														< 1000		
3D	B41E1W	12-Nov-02	VOCs		< 1		< 1			< 1								< 1	< 1
3D	B41MW-5	01-Nov-02	PAHs																
3D	B41MW-5	01-Nov-02	TPH																
3D	B41MW-5	01-Nov-02	VOCs		< 1					< 5	< 50	< 50	< 1					< 5	< 1
3D	B41MW-5	20-Mar-03	VOCs		< 5		< 5			< 20	< 5	< 10	< 10					< 10	< 5

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Groundwater Data For Area 3: Retained Area
Boeing Tract 1, St. Louis, Missouri

Sub-area	Sample ID	Date	Group	Gasoline (C6-C14)	Isopropyl benzene	Lead	m,p-Xylene	Mercury	Mercury, Dissolved	Methylene chloride	Methyl ethyl ketone (MEK)	Methyl isobutyl ketone	Methyl tert-butyl ether	Mineral Spirits (C7-C14)	Misc_TPH (C10-C40)	Motor Oil	Motor Oil (C16-C33)	Naphthalene	n-Butyl benzene
3D	B41MW-7	01-Nov-02	PAHs																
3D	B41MW-7	01-Nov-02	TPH															< 5	< 1
3D	B41MW-7	01-Nov-02	VOCs		< 1					< 5	< 50	< 50	< 1						
3D	B41S2W	07-Nov-02	PAHs														< 1000		
3D	B41S2W	07-Nov-02	TPH															< 5	< 5
3D	B41S2W	07-Nov-02	VOCs		< 5		< 5			< 5							< 1000		
3D	B41S4W	13-Nov-02	TPH															< 1	< 1
3D	B41S4W	13-Nov-02	VOCs		< 1		< 1			< 1						< 1000			
3E	B2E1W	01-Jul-03	TPH	< 1000									< 5						
3E	B2E1W	01-Jul-03	VOCs																
3E	B2E2W	24-Jul-03	Metals			71				< 2000		< 1000							
3E	B2E2W	24-Jul-03	TPH																
3E	B2E2W-2004	4/29/2004	TPH															J 930	< 500
3E	B2E2W	24-Jul-03	VOCs		< 500		5300				< 500		< 200						
3E	B2E2W DUP	24-Jul-03	TPH																
3E	B2E2W DUP	24-Jul-03	VOCs										< 200						
3E	B2N5W	13-Nov-02	VOCs		< 1		< 1											< 1	< 1
3F	B1W1W	01-Jul-03	TPH	< 1000												< 1000			
3F	B1W1W	01-Jul-03	VOCs										< 5						
3F	B1W1W Dup	01-Jul-03	TPH	< 1000												< 1000			
3F	B1W1W Dup	01-Jul-03	VOCs										< 5						
3F	B1W2W	25-Jul-03	Metals			< 44				<5		<25							
3F	B1W2W	25-Jul-03	TPH																
3F	B1W2W	25-Jul-03	VOCs		< 5		< 5				< 25		< 2					< 10	< 5
3G	B2S1W	01-Jul-03	TPH	< 1000												< 1000			
3G	B2S1W	01-Jul-03	VOCs										14.6						
3G	B2S2W	24-Jul-03	Metals			< 44													
3G	B2S2W	24-Jul-03	TPH																
3G	B2S2W-2004	4/30/2004	TPH																
3G	B2S2W	24-Jul-03	VOCs		J 2.1		36				10		60.2					18	< 5
3H	B4E1W	21-Nov-02	TPH																
3H	B4E1W	21-Nov-02	VOCs																
3H	B4E3W	24-Jul-03	Metals			< 44													
3H	B4E3W	24-Jul-03	TPH																
3H	B4E3W	24-Jul-03	VOCs		< 5		< 5			< 20	< 5	< 10	< 2					< 10	< 5
3H	B4E3W DUP	24-Jul-03	TPH																
3H	B5MW-22W	27-Jun-03	TPH											< 100	J3J4 520		< 100		
3H	B5MW-22W	27-Jun-03	VOCs		< 1					< 5	< 50	< 50	< 1					< 5	< 1
3H	B5MW-22W	29-Jul-03	Metals			68		0.5											
3H	B5MW-22W	29-Jul-03	Metals, Dissolved						0.3										
3H	B5MW-22W	29-Jul-03	PAHs																
3H	B5MW-22W	29-Jul-03	VOCs		< 5		< 5			J 5.3	< 5	< 10	< 10					< 10.52	< 5

Notes:
All concentrations in ug/L (micrograms per liter)
< Less than detection limit shown
Blanks: Not analyzed
ND: Not detected
VOC: Volatile Organic Compound
TPH: Total Petroleum Hydrocarbon
PAH: Polycyclic Aromatic Hydrocarbon
Lab qualifiers in Section 1.0

Appendix D-2
Groundwater Data For Area 3: Retained Area
Boeing Tract 1, St. Louis, Missouri

Sub-area	Sample ID	Date	Group	Nickel	Nickel, Dissolved	n-Propylbenzene	o-Xylene	p-Isopropyl toluene	sec-Butyl benzene	Stoddard Solvent	Tetrachloroethene	Toluene	TPH (GC/FID) High Fraction	TPH (GC/FID) Low Fraction	TPH as Diesel	TPH as Gasoline	TPH as Hydraulic Fluid	TPH as Jet Fuel	TPH as Kerosene
3A	B41MW-18	14-Nov-02	TPH							< 1000									
3A	B41MW-18	14-Nov-02	VOCs			< 1	< 1	< 1	< 1		< 1	< 1							
3A	B41MW-4	21-Nov-88	VOCs																
3A	B41N1W	08-Nov-02	PAHs																
3A	B41N1W	08-Nov-02	TPH							< 1000									
3A	B41N1W	08-Nov-02	VOCs			117	< 5	68	41		< 5	< 5							
3A	B41S1W	07-Nov-02	PAHs																
3A	B41S1W	07-Nov-02	TPH							< 1000									
3A	B41S1W	07-Nov-02	VOCs			< 5	< 5	< 5	< 5		< 5	< 5							
3A	B42N1W	01-Jul-03	TPH							< 1000									
3A	B42N1W	01-Jul-03	VOCs									< 5							
3A	B42N2W	23-Jul-03	Metals																
3A	B42N2W	23-Jul-03	TPH												143	< 1000	< 150	< 100	186
3A	B42N2W	23-Jul-03	VOCs			< 5	< 5	< 5	< 5		< 5	< 5							
3A	B42N3W	23-Jul-03	Metals																
3A	B42N3W	23-Jul-03	TPH												< 200	< 1000	< 300	< 200	204
3A	B42N3W	23-Jul-03	VOCs			< 5	< 5	< 5	< 5		< 5	< 5							
3A	B42N4W	23-Jul-03	Metals																
3A	B42N4W	23-Jul-03	TPH												134	< 1000	< 150	< 100	< 60
3A	B42N4W	23-Jul-03	VOCs			< 5	< 5	< 5	< 5		< 5	< 5							
3A	B42N5W	23-Jul-03	Metals																
3A	B42N5W	23-Jul-03	TPH												< 8928	1800	J 2320	J 7500	< 5357
3A	B42N5W-2004	29-Apr-04	TPH																
3A	B42N5W	23-Jul-03	VOCs			25	< 5	< 5	20		< 5	< 5							
3A	B44N1W	08-Nov-02	Metals																
3A	B44N1W	08-Nov-02	TPH							< 1000									
3A	B44N1W	08-Nov-02	VOCs			< 5	< 5	< 5	< 5		< 5	< 5							
3A	B44N1W DUP	08-Nov-02	TPH							< 1000									
3A	B44N1W DUP	08-Nov-02	VOCs			< 5	< 5	< 5	< 5		< 5	< 5							
3B	B42E1W	01-Jul-03	TPH							< 1000									
3B	B42E1W-2004	4/30/2004	TPH																
3B	B42E1W	01-Jul-03	VOCs									< 50							
3B	B42E2W	23-Jul-03	Metals																
3B	B42E2W	23-Jul-03	Metals, Dissolved																
3B	B42E2W	23-Jul-03	TPH												197	< 1000	< 150	< 100	< 60
3B	B42E2W	23-Jul-03	VOCs									< 2							
3B	B42E2W	24-Jul-03	VOCs			< 5	< 5	< 5	< 5		< 5	< 5							
3B	B42E3W	22-Jul-03	Metals																
3B	B42E3W	23-Jul-03	VOCs			8.6	< 5	< 5	J 2.6		< 5	< 5							
3B	B42E3W	24-Jul-03	TPH												< 100	< 1000	< 150	< 100	427
3B	B42E3W	24-Jul-03	VOCs			J 3.6	< 5	< 5	< 5		< 5	< 5							
3B	B42E3W	25-Jul-03	VOCs																
3C	B42S1W	20-Nov-02	TPH										< 100	< 100					
3C	B42S1W	20-Nov-02	VOCs									< 5							
3C	B42S2W	30-Jun-03	TPH							< 1000									
3C	B42S2W	30-Jun-03	VOCs									< 5							
3C	B42S3W	23-Jul-03	Metals																
3C	B42S3W	23-Jul-03	TPH												154	< 1000	< 150	< 100	< 60
3C	B42S3W	23-Jul-03	VOCs			< 5	< 5	< 5	< 5		< 5	< 5							
3C	B42S4W	23-Jul-03	Metals																
3C	B42S4W	23-Jul-03	Metals, Dissolved																
3C	B42S4W	23-Jul-03	TPH												175	< 1000	< 150	< 100	< 60
3C	B42S4W	23-Jul-03	VOCs			< 5	< 5	< 5	< 5		< 5	< 5							
3C	B42S4W DUP	23-Jul-03	TPH												110	< 1000	< 150	< 100	< 60
3C	B42S4W DUP	23-Jul-03	VOCs			< 5	< 5	< 5	< 5		< 5	< 5							

Appendix D-2
Groundwater Data For Area 3: Retained Area
Boeing Tract 1, St. Louis, Missouri

Sub-area	Sample ID	Date	Group	Nickel	Nickel, Dissolved	n-Propylbenzene	o-Xylene	p-Isopropyl toluene	sec-Butyl benzene	Stoddard Solvent	Tetrachloroethene	Toluene	TPH (GC/FID) High Fraction	TPH (GC/FID) Low Fraction	TPH as Diesel	TPH as Gasoline	TPH as Hydraulic Fluid	TPH as Jet Fuel	TPH as Kerosene
3C	B42S5W	22-Jul-03	Metals																
3C	B42S5W	22-Jul-03	TPH												< 500000	364000	< 750000	< 500000	2920000
3C	B42S5W	22-Jul-03	VOCs			1300	< 125	< 125	1000		< 125	< 125							
3C	B42S6W	22-Jul-03	TPH													3450			
3C	B42S6W	22-Jul-03	VOCs			J 49	< 50	< 50	J 45		< 50	< 50							
3C	B42S6W	23-Jul-03	TPH												657	< 1000	< 150	< 100	< 60
3C	B42S6W	23-Jul-03	VOCs			< 5	< 5	< 5	< 5		< 5	< 5							
3C	B42S7W	23-Jul-03	TPH												1230	< 1000	< 150	< 100	< 60
3C	B42S7W	23-Jul-03	VOCs			< 5	< 5	< 5	< 5		< 5	< 5							
3C	B42W1W	30-Jun-03	TPH							< 1000									
3C	B42W1W-2004	5/4/2004	TPH																
3C	B42W1W-2004-Dup	5/4/2004	TPH																
3C	B42W1W	30-Jun-03	VOCs									395							
3C	B45S10W	19-Nov-02	TPH							< 1000									
3C	B45S10W	19-Nov-02	VOCs									11.6							
3C	B45S11W	30-Jun-03	TPH							< 1000									
3C	B45S11W	30-Jun-03	VOCs									< 50							
3C	B45S12W	30-Jun-03	TPH							< 1000									
3C	B45S12W	30-Jun-03	VOCs									< 5							
3C	B45S8W	19-Nov-02	TPH							< 1000									
3C	B45S8W-2004	5/4/2004	TPH																
3C	B45S8W	19-Nov-02	VOCs									< 5							
3C	B45S9W	19-Nov-02	TPH							< 1000									
3C	B45S9W	19-Nov-02	VOCs									< 5							
3C	MW-A4W	29-Jul-03	VOCs			< 5	< 5	< 5	< 5		< 5	< 5							
3D	B2I1W	08-Nov-02	Metals																
3D	B2I1W	08-Nov-02	PAHs																
3D	B2I1W	08-Nov-02	VOCs			< 5	< 5	< 5	< 5		< 5	< 5							
3D	B2I2W	30-Jun-03	TPH							< 1000									
3D	B2I2W	30-Jun-03	VOCs			< 5	< 5	< 5	< 5		< 5	< 5							
3D	B2N1W	11-Nov-02	Metals																
3D	B2N1W	11-Nov-02	VOCs			< 5	< 5	< 5	< 5		< 5	< 5							
3D	B2N2W	12-Nov-02	Metals																
3D	B2N2W	12-Nov-02	VOCs			< 1	< 1	< 1	< 1		< 1	< 1							
3D	B2N3W	12-Nov-02	Metals																
3D	B2N3W	12-Nov-02	VOCs			< 1	< 1	< 1	< 1		23	< 1							
3D	B2N3W DUP	12-Nov-02	VOCs			< 5	< 5	< 5	< 5		21	< 5							
3D	B2N4W	13-Nov-02	VOCs			< 1	< 1	< 1	< 1		13	< 1							
3D	B2N6W	24-Jul-03	Metals	< 10															
3D	B2N6W	24-Jul-03	Metals, Dissolved		< 10														
3D	B2N6W	24-Jul-03	TPH												< 100	< 1000	< 150	< 100	181
3D	B2N6W	24-Jul-03	VOCs			< 5	< 5	< 5	< 5		< 5	< 5							
3D	B2N7W	24-Jul-03	Metals	< 10															
3D	B2N7W	24-Jul-03	Metals, Dissolved		< 10														
3D	B2N7W	24-Jul-03	TPH												< 100	< 1000	< 150	< 100	208
3D	B2N7W	24-Jul-03	VOCs			< 5	< 5	< 5	< 5		< 5	< 5							
3D	B2W1W	08-Nov-02	Metals																
3D	B2W1W	08-Nov-02	PAHs																
3D	B2W1W	08-Nov-02	VOCs			< 5	< 5	< 5	< 5		< 5	< 5							
3D	B41E1W	12-Nov-02	TPH							< 1000									
3D	B41E1W	12-Nov-02	VOCs			< 1	< 1	< 1	< 1		< 1	< 1							
3D	B41MW-5	01-Nov-02	PAHs																
3D	B41MW-5	01-Nov-02	TPH										180						
3D	B41MW-5	01-Nov-02	VOCs			< 1		< 1	< 1		4.8	< 5							
3D	B41MW-5	20-Mar-03	VOCs			< 5	< 5	< 5	< 5		J 2.7	< 5							

Appendix D-2
Groundwater Data For Area 3: Retained Area
Boeing Tract 1, St. Louis, Missouri

Sub-area	Sample ID	Date	Group	Nickel	Nickel, Dissolved	n-Propylbenzene	o-Xylene	p-Isopropyl toluene	sec-Butyl benzene	Stoddard Solvent	Tetrachloroethene	Toluene	TPH (GC/FID) High Fraction	TPH (GC/FID) Low Fraction	TPH as Diesel	TPH as Gasoline	TPH as Hydraulic Fluid	TPH as Jet Fuel	TPH as Kerosene
3D	B41MW-7	01-Nov-02	PAHs																
3D	B41MW-7	01-Nov-02	TPH										< 100						
3D	B41MW-7	01-Nov-02	VOCs			< 1		< 1	< 1		< 1	< 5							
3D	B41S2W	07-Nov-02	PAHs																
3D	B41S2W	07-Nov-02	TPH							< 1000									
3D	B41S2W	07-Nov-02	VOCs			< 5	< 5	< 5	< 5		< 5	< 5							
3D	B41S4W	13-Nov-02	TPH							< 1000									
3D	B41S4W	13-Nov-02	VOCs			< 1	< 1	< 1	< 1		< 1	< 1							
3E	B2E1W	01-Jul-03	TPH							< 1000									
3E	B2E1W	01-Jul-03	VOCs									5.2							
3E	B2E2W	24-Jul-03	Metals																
3E	B2E2W	24-Jul-03	TPH												< 10000	< 100000	< 15000	43100	< 6000
3E	B2E2W-2004	4/29/2004	TPH																
3E	B2E2W	24-Jul-03	VOCs			J 380	< 500	< 500	< 500		< 500	< 500							
3E	B2E2W DUP	24-Jul-03	TPH													< 100000			
3E	B2E2W DUP	24-Jul-03	VOCs									< 500							
3E	B2N5W	13-Nov-02	VOCs			< 1	< 1	< 1	< 1		< 1	< 1							
3F	B1W1W	01-Jul-03	TPH							< 1000									
3F	B1W1W	01-Jul-03	VOCs									< 5							
3F	B1W1W Dup	01-Jul-03	TPH							< 1000									
3F	B1W1W Dup	01-Jul-03	VOCs									< 5							
3F	B1W2W	25-Jul-03	Metals																
3F	B1W2W	25-Jul-03	TPH												514	< 1000	1080	< 100	< 60
3F	B1W2W	25-Jul-03	VOCs			< 5	< 5	< 5	< 5		< 5	< 5							
3G	B2S1W	01-Jul-03	TPH							< 1000									
3G	B2S1W	01-Jul-03	VOCs									< 5							
3G	B2S2W	24-Jul-03	Metals																
3G	B2S2W	24-Jul-03	TPH												< 2500	6680	< 3750	J 1680	1650
3G	B2S2W-2004	4/30/2004	TPH																
3G	B2S2W	24-Jul-03	VOCs			J 3.7	22	J 3.3	< 5		< 5	642							
3H	B4E1W	21-Nov-02	TPH										3500						
3H	B4E1W	21-Nov-02	VOCs									< 5							
3H	B4E3W	24-Jul-03	Metals																
3H	B4E3W	24-Jul-03	TPH												648	< 1000	< 150	< 100	< 60
3H	B4E3W	24-Jul-03	VOCs			< 5	< 5	< 5	< 5		< 5	J 2.2							
3H	B4E3W DUP	24-Jul-03	TPH												< 500		< 750	< 500	3540
3H	B5MW-22W	27-Jun-03	TPH											< 100					
3H	B5MW-22W	27-Jun-03	VOCs			< 1		< 1	< 1		< 1	< 5							
3H	B5MW-22W	29-Jul-03	Metals	23															
3H	B5MW-22W	29-Jul-03	Metals, Dissolved		12														
3H	B5MW-22W	29-Jul-03	PAHs																
3H	B5MW-22W	29-Jul-03	VOCs			< 5	< 5	< 5	< 5		< 5	< 5							

Notes:
All concentrations in ug/L (micrograms per liter)
< Less than detection limit shown
Blanks: Not analyzed
ND: Not detected
VOC: Volatile Organic Compound
TPH: Total Petroleum Hydrocarbon
PAH: Polycyclic Aromatic Hydrocarbon
Lab qualifiers in Section 1.0

Appendix D-2
Groundwater Data For Area 3: Retained Area
Boeing Tract 1, St. Louis, Missouri

Sub-area	Sample ID	Date	Group	TPH as Mineral Spirits	TPH as Motor Oil	trans-1,2-Dichloro ethene	Trichloro ethene	Trichloro fluoro methane	Vinyl Chloride	Xylenes, Total	Zinc	Zinc, Dissolved	GRO (8260)	nC6 to nC12 (GRO-TX1005)	>nC12 to nC28 (DRO-TX1005)	>nC28 to nC35 (ORO-TX1005)	Total Petroleum Hydrocarbon (TX1005)	Aliphatics nC6 (TX1006)
3A	B41MW-18	14-Nov-02	TPH															
3A	B41MW-18	14-Nov-02	VOCs			< 1	< 1	< 1	< 1									
3A	B41MW-4	21-Nov-88	VOCs															
3A	B41N1W	08-Nov-02	PAHs															
3A	B41N1W	08-Nov-02	TPH															
3A	B41N1W	08-Nov-02	VOCs			< 5	< 5	< 5	< 5									
3A	B41S1W	07-Nov-02	PAHs															
3A	B41S1W	07-Nov-02	TPH															
3A	B41S1W	07-Nov-02	VOCs			< 5	< 5	< 5	< 5									
3A	B42N1W	01-Jul-03	TPH															
3A	B42N1W	01-Jul-03	VOCs							< 5								
3A	B42N2W	23-Jul-03	Metals															
3A	B42N2W	23-Jul-03	TPH	< 100	< 150													
3A	B42N2W	23-Jul-03	VOCs			< 5	< 5	< 5	< 5	< 5								
3A	B42N3W	23-Jul-03	Metals															
3A	B42N3W	23-Jul-03	TPH	< 200	< 300													
3A	B42N3W	23-Jul-03	VOCs			< 5	< 5	< 5	< 5	< 5								
3A	B42N4W	23-Jul-03	Metals															
3A	B42N4W	23-Jul-03	TPH	< 100	< 150													
3A	B42N4W	23-Jul-03	VOCs			< 5	< 5	< 5	< 5	< 5								
3A	B42N5W	23-Jul-03	Metals															
3A	B42N5W	23-Jul-03	TPH	26500	< 13390													
3A	B42N5W-2004	29-Apr-04	TPH										2000	<500	<500	<500	<1500	
3A	B42N5W	23-Jul-03	VOCs			31	< 5	< 5	12	14								
3A	B44N1W	08-Nov-02	Metals															
3A	B44N1W	08-Nov-02	TPH															
3A	B44N1W	08-Nov-02	VOCs			< 5	< 5	< 5	< 5									
3A	B44N1W DUP	08-Nov-02	TPH															
3A	B44N1W DUP	08-Nov-02	VOCs			< 5	< 5	< 5	< 5									
3B	B42E1W	01-Jul-03	TPH															
3B	B42E1W-2004	4/30/2004	TPH											1300	<500	<500	<1500	<500
3B	B42E1W	01-Jul-03	VOCs							52.1								
3B	B42E2W	23-Jul-03	Metals															
3B	B42E2W	23-Jul-03	Metals, Dissolved															
3B	B42E2W	23-Jul-03	TPH	< 100	259													
3B	B42E2W	23-Jul-03	VOCs							< 5								
3B	B42E2W	24-Jul-03	VOCs			< 5	< 5	< 5	< 5									
3B	B42E3W	22-Jul-03	Metals															
3B	B42E3W	23-Jul-03	VOCs			< 5	< 5	< 5	< 5									
3B	B42E3W	24-Jul-03	TPH	< 100	< 150													
3B	B42E3W	24-Jul-03	VOCs			< 5	< 5	< 5	< 5	< 5								
3B	B42E3W	25-Jul-03	VOCs															
3C	B42S1W	20-Nov-02	TPH															
3C	B42S1W	20-Nov-02	VOCs							< 1.5								
3C	B42S2W	30-Jun-03	TPH															
3C	B42S2W	30-Jun-03	VOCs							< 5								
3C	B42S3W	23-Jul-03	Metals															
3C	B42S3W	23-Jul-03	TPH	< 100	< 150													
3C	B42S3W	23-Jul-03	VOCs			< 5	< 5	< 5	< 5	< 5								
3C	B42S4W	23-Jul-03	Metals															
3C	B42S4W	23-Jul-03	Metals, Dissolved															
3C	B42S4W	23-Jul-03	TPH	< 100	< 150													
3C	B42S4W	23-Jul-03	VOCs			< 5	< 5	< 5	< 5	< 5								
3C	B42S4W DUP	23-Jul-03	TPH	< 100	< 150													
3C	B42S4W DUP	23-Jul-03	VOCs			< 5	< 5	< 5	< 5	< 5								

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Groundwater Data For Area 3: Retained Area
Boeing Tract 1, St. Louis, Missouri

Sub-area	Sample ID	Date	Group	TPH as Mineral Spirits	TPH as Motor Oil	trans-1,2-Dichloro ethene	Trichloro ethene	Trichloro fluoro methane	Vinyl Chloride	Xylenes, Total	Zinc	Zinc, Dissolved	GRO (8260)	nC6 to nC12 (GRO TX1005)	>nC12 to nC28 (DRO TX1005)	>nC28 to nC35 (ORO TX1005)	Total Petroleum Hydrocarbon (TX1005)	Aliphatics nC6 (TX1006)
3C	B42S5W	22-Jul-03	Metals															
3C	B42S5W	22-Jul-03	TPH	< 500000	< 750000													
3C	B42S5W	22-Jul-03	VOCs			< 125	< 125	< 125	< 125	3100								
3C	B42S6W	22-Jul-03	TPH															
3C	B42S6W	22-Jul-03	VOCs			< 50	< 50	< 50	< 50	7.5								
3C	B42S6W	23-Jul-03	TPH	< 100	353													
3C	B42S6W	23-Jul-03	VOCs			< 5	< 5	< 5	< 5	< 5								
3C	B42S7W	23-Jul-03	TPH	< 100	872													
3C	B42S7W	23-Jul-03	VOCs			< 5	< 5	< 5	< 5	23								
3C	B42W1W	30-Jun-03	TPH															
3C	B42W1W-2004	5/4/2004	TPH										900	<500	<500	<500	<1500	
3C	B42W1W-2004-Dup	5/4/2004	TPH										900	<500	<500	<500	<1500	
3C	B42W1W	30-Jun-03	VOCs							299								
3C	B45S10W	19-Nov-02	TPH															
3C	B45S10W	19-Nov-02	VOCs							< 5								
3C	B45S11W	30-Jun-03	TPH															
3C	B45S11W	30-Jun-03	VOCs							< 50								
3C	B45S12W	30-Jun-03	TPH															
3C	B45S12W	30-Jun-03	VOCs							< 5								
3C	B45S8W	19-Nov-02	TPH															
3C	B45S8W-2004	5/4/2004	TPH										<500	<500	<500	<500	<1500	
3C	B45S8W	19-Nov-02	VOCs							< 5								
3C	B45S9W	19-Nov-02	TPH															
3C	B45S9W	19-Nov-02	VOCs							< 5								
3C	MW-A4W	29-Jul-03	VOCs			< 5	< 5	< 5	< 5									
3D	B2I1W	08-Nov-02	Metals															
3D	B2I1W	08-Nov-02	PAHs															
3D	B2I1W	08-Nov-02	VOCs			< 5	< 5	< 5	5.6									
3D	B2I2W	30-Jun-03	TPH															
3D	B2I2W	30-Jun-03	VOCs			< 5	< 5	< 5	< 5	< 5								
3D	B2N1W	11-Nov-02	Metals															
3D	B2N1W	11-Nov-02	VOCs			< 5	< 5	< 5	< 5									
3D	B2N2W	12-Nov-02	Metals															
3D	B2N2W	12-Nov-02	VOCs			< 1	< 1	< 1	< 1									
3D	B2N3W	12-Nov-02	Metals															
3D	B2N3W	12-Nov-02	VOCs			12	11	< 1	< 1									
3D	B2N3W DUP	12-Nov-02	VOCs			12	10	< 5	< 5									
3D	B2N4W	13-Nov-02	VOCs			1.7	2.5	< 1	< 1									
3D	B2N6W	24-Jul-03	Metals								< 10							
3D	B2N6W	24-Jul-03	Metals, Dissolved									< 10						
3D	B2N6W	24-Jul-03	TPH	< 100	< 150													
3D	B2N6W	24-Jul-03	VOCs			< 5	< 5	< 5	< 5	< 5								
3D	B2N7W	24-Jul-03	Metals								28							
3D	B2N7W	24-Jul-03	Metals, Dissolved									< 10						
3D	B2N7W	24-Jul-03	TPH	< 100	< 150													
3D	B2N7W	24-Jul-03	VOCs			< 5	< 5	< 5	< 5	< 5								
3D	B2W1W	08-Nov-02	Metals															
3D	B2W1W	08-Nov-02	PAHs															
3D	B2W1W	08-Nov-02	VOCs			< 5	< 5	17	< 5									
3D	B41E1W	12-Nov-02	TPH															
3D	B41E1W	12-Nov-02	VOCs			< 1	1.2	< 1	< 1									
3D	B41MW-5	01-Nov-02	PAHs															
3D	B41MW-5	01-Nov-02	TPH															
3D	B41MW-5	01-Nov-02	VOCs			< 1	2.4	< 1	7.4	< 3								
3D	B41MW-5	20-Mar-03	VOCs			< 5	< 5	< 5	8.4									

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Groundwater Data For Area 3: Retained Area
Boeing Tract 1, St. Louis, Missouri

Sub-area	Sample ID	Date	Group	TPH as Mineral Spirits	TPH as Motor Oil	trans-1,2-Dichloro ethene	Trichloro ethene	Trichloro fluoro methane	Vinyl Chloride	Xylenes, Total	Zinc	Zinc, Dissolved	GRO (8260)	nC6 to nC12 (GRO TX1005)	>nC12 to nC28 (DRO TX1005)	>nC28 to nC35 (ORO TX1005)	Total Petroleum Hydrocarbon (TX1005)	Aliphatics nC6 (TX1006)
3D	B41MW-7	01-Nov-02	PAHs															
3D	B41MW-7	01-Nov-02	TPH															
3D	B41MW-7	01-Nov-02	VOCs			< 1	< 1	< 1	< 1	< 3								
3D	B41S2W	07-Nov-02	PAHs															
3D	B41S2W	07-Nov-02	TPH															
3D	B41S2W	07-Nov-02	VOCs			< 5	< 5	< 5	< 5									
3D	B41S4W	13-Nov-02	TPH															
3D	B41S4W	13-Nov-02	VOCs			< 1	< 1	< 1	< 1									
3E	B2E1W	01-Jul-03	TPH															
3E	B2E1W	01-Jul-03	VOCs							5.5								
3E	B2E2W	24-Jul-03	Metals															
3E	B2E2W	24-Jul-03	TPH	56700	< 15000													
3E	B2E2W-2004	4/29/2004	TPH											3600	<500	2200	5800	<500
3E	B2E2W	24-Jul-03	VOCs			< 500	< 500	< 500	< 500	4370								
3E	B2E2W DUP	24-Jul-03	TPH															
3E	B2E2W DUP	24-Jul-03	VOCs							4770								
3E	B2N5W	13-Nov-02	VOCs			< 1	< 1	< 1	< 1									
3F	B1W1W	01-Jul-03	TPH															
3F	B1W1W	01-Jul-03	VOCs							< 5								
3F	B1W1W Dup	01-Jul-03	TPH															
3F	B1W1W Dup	01-Jul-03	VOCs							< 5								
3F	B1W2W	25-Jul-03	Metals															
3F	B1W2W	25-Jul-03	TPH	< 100	463													
3F	B1W2W	25-Jul-03	VOCs			< 5	< 5	< 5	< 2	< 5								
3G	B2S1W	01-Jul-03	TPH															
3G	B2S1W	01-Jul-03	VOCs							< 5								
3G	B2S2W	24-Jul-03	Metals															
3G	B2S2W	24-Jul-03	TPH	< 2500	3780													
3G	B2S2W-2004	4/30/2004	TPH											1300	640	2300	4240	<500
3G	B2S2W	24-Jul-03	VOCs			< 5	< 5	< 5	< 5	349								
3H	B4E1W	21-Nov-02	TPH															
3H	B4E1W	21-Nov-02	VOCs							< 1.5								
3H	B4E3W	24-Jul-03	Metals															
3H	B4E3W	24-Jul-03	TPH	< 100	< 150													
3H	B4E3W	24-Jul-03	VOCs			< 5	< 5	< 5	< 5	< 5								
3H	B4E3W DUP	24-Jul-03	TPH	< 500	< 750													
3H	B5MW-22W	27-Jun-03	TPH															
3H	B5MW-22W	27-Jun-03	VOCs			< 1	< 1	< 1	< 1	< 3								
3H	B5MW-22W	29-Jul-03	Metals								378							
3H	B5MW-22W	29-Jul-03	Metals, Dissolved									46						
3H	B5MW-22W	29-Jul-03	PAHs															
3H	B5MW-22W	29-Jul-03	VOCs			< 5	< 5	< 5	< 5									

Notes:
All concentrations in ug/L (micrograms per liter)
< Less than detection limit shown
Blanks: Not analyzed
ND: Not detected
VOC: Volatile Organic Compound
TPH: Total Petroleum Hydrocarbon
PAH: Polycyclic Aromatic Hydrocarbon
Lab qualifiers in Section 1.0

Appendix D-2
Groundwater Data For Area 3: Retained Area
Boeing Tract 1, St. Louis, Missouri

Sub-area	Sample ID	Date	Group	Aliphatics >nC6 to nC8 (TX1006)	Aliphatics >nC8 to nC10 (TX1006)	Aliphatics >nC10 to nC12 (TX1006)	Aliphatics >nC12 to nC16 (TX1006)	Aliphatics >nC16 to nC21 (TX1006)	Aliphatics >nC21 to nC35 (TX1006)	Aromatics >nC7 to nC8 (TX1006)	Aromatics >nC8 to nC10 (TX1006)	Aromatics >nC10 to nC12 (TX1006)	Aromatics >nC12 to nC16 (TX1006)	Aromatics >nC16 to nC21 (TX1006)	Aromatics >nC21 to nC35 (TX1006)	Total Petroleum Hydrocarbons (TX1006)
3A	B41MW-18	14-Nov-02	TPH													
3A	B41MW-18	14-Nov-02	VOCs													
3A	B41MW-4	21-Nov-88	VOCs													
3A	B41N1W	08-Nov-02	PAHs													
3A	B41N1W	08-Nov-02	TPH													
3A	B41N1W	08-Nov-02	VOCs													
3A	B41S1W	07-Nov-02	PAHs													
3A	B41S1W	07-Nov-02	TPH													
3A	B41S1W	07-Nov-02	VOCs													
3A	B42N1W	01-Jul-03	TPH													
3A	B42N1W	01-Jul-03	VOCs													
3A	B42N2W	23-Jul-03	Metals													
3A	B42N2W	23-Jul-03	TPH													
3A	B42N2W	23-Jul-03	VOCs													
3A	B42N3W	23-Jul-03	Metals													
3A	B42N3W	23-Jul-03	TPH													
3A	B42N3W	23-Jul-03	VOCs													
3A	B42N4W	23-Jul-03	Metals													
3A	B42N4W	23-Jul-03	TPH													
3A	B42N4W	23-Jul-03	VOCs													
3A	B42N5W	23-Jul-03	Metals													
3A	B42N5W	23-Jul-03	TPH													
3A	B42N5W-2004	29-Apr-04	TPH													
3A	B42N5W	23-Jul-03	VOCs													
3A	B44N1W	08-Nov-02	Metals													
3A	B44N1W	08-Nov-02	TPH													
3A	B44N1W	08-Nov-02	VOCs													
3A	B44N1W DUP	08-Nov-02	TPH													
3A	B44N1W DUP	08-Nov-02	VOCs													
3B	B42E1W	01-Jul-03	TPH													
3B	B42E1W-2004	4/30/2004	TPH	1000	<500	<500	<500	<500	<500	<500	<500	<500	<500	<500	<500	1300
3B	B42E1W	01-Jul-03	VOCs													
3B	B42E2W	23-Jul-03	Metals													
3B	B42E2W	23-Jul-03	Metals, Dissolved													
3B	B42E2W	23-Jul-03	TPH													
3B	B42E2W	23-Jul-03	VOCs													
3B	B42E2W	24-Jul-03	VOCs													
3B	B42E3W	22-Jul-03	Metals													
3B	B42E3W	23-Jul-03	VOCs													
3B	B42E3W	24-Jul-03	TPH													
3B	B42E3W	24-Jul-03	VOCs													
3B	B42E3W	25-Jul-03	VOCs													
3C	B42S1W	20-Nov-02	TPH													
3C	B42S1W	20-Nov-02	VOCs													
3C	B42S2W	30-Jun-03	TPH													
3C	B42S2W	30-Jun-03	VOCs													
3C	B42S3W	23-Jul-03	Metals													
3C	B42S3W	23-Jul-03	TPH													
3C	B42S3W	23-Jul-03	VOCs													
3C	B42S4W	23-Jul-03	Metals													
3C	B42S4W	23-Jul-03	Metals, Dissolved													
3C	B42S4W	23-Jul-03	TPH													
3C	B42S4W	23-Jul-03	VOCs													
3C	B42S4W DUP	23-Jul-03	TPH													
3C	B42S4W DUP	23-Jul-03	VOCs													

Sub-area	Sample ID	Date	Group	Aliphatics >nC6 to nC8 (TX1006)	Aliphatics >nC8 to nC10 (TX1006)	Aliphatics >nC10 to nC12 (TX1006)	Aliphatics >nC12 to nC16 (TX1006)	Aliphatics >nC16 to nC21 (TX1006)	Aliphatics >nC21 to nC35 (TX1006)	Aromatics >nC7 to nC8 (TX1006)	Aromatics >nC8 to nC10 (TX1006)	Aromatics >nC10 to nC12 (TX1006)	Aromatics >nC12 to nC16 (TX1006)	Aromatics >nC16 to nC21 (TX1006)	Aromatics >nC21 to nC35 (TX1006)	Total Petroleum Hydrocarbons (TX1006)
3C	B42S5W	22-Jul-03	Metals													
3C	B42S5W	22-Jul-03	TPH													
3C	B42S5W	22-Jul-03	VOCs													
3C	B42S6W	22-Jul-03	TPH													
3C	B42S6W	22-Jul-03	VOCs													
3C	B42S6W	23-Jul-03	TPH													
3C	B42S6W	23-Jul-03	VOCs													
3C	B42S7W	23-Jul-03	TPH													
3C	B42S7W	23-Jul-03	VOCs													
3C	B42W1W	30-Jun-03	TPH													
3C	B42W1W-2004	5/4/2004	TPH													
3C	B42W1W-2004-Dup	5/4/2004	TPH													
3C	B42W1W	30-Jun-03	VOCs													
3C	B45S10W	19-Nov-02	TPH													
3C	B45S10W	19-Nov-02	VOCs													
3C	B45S11W	30-Jun-03	TPH													
3C	B45S11W	30-Jun-03	VOCs													
3C	B45S12W	30-Jun-03	TPH													
3C	B45S12W	30-Jun-03	VOCs													
3C	B45S8W	19-Nov-02	TPH													
3C	B45S8W-2004	5/4/2004	TPH													
3C	B45S8W	19-Nov-02	VOCs													
3C	B45S9W	19-Nov-02	TPH													
3C	B45S9W	19-Nov-02	VOCs													
3C	MW-A4W	29-Jul-03	VOCs													
3D	B2I1W	08-Nov-02	Metals													
3D	B2I1W	08-Nov-02	PAHs													
3D	B2I1W	08-Nov-02	VOCs													
3D	B2I2W	30-Jun-03	TPH													
3D	B2I2W	30-Jun-03	VOCs													
3D	B2N1W	11-Nov-02	Metals													
3D	B2N1W	11-Nov-02	VOCs													
3D	B2N2W	12-Nov-02	Metals													
3D	B2N2W	12-Nov-02	VOCs													
3D	B2N3W	12-Nov-02	Metals													
3D	B2N3W	12-Nov-02	VOCs													
3D	B2N3W DUP	12-Nov-02	VOCs													
3D	B2N4W	13-Nov-02	VOCs													
3D	B2N6W	24-Jul-03	Metals													
3D	B2N6W	24-Jul-03	Metals, Dissolved													
3D	B2N6W	24-Jul-03	TPH													
3D	B2N6W	24-Jul-03	VOCs													
3D	B2N7W	24-Jul-03	Metals													
3D	B2N7W	24-Jul-03	Metals, Dissolved													
3D	B2N7W	24-Jul-03	TPH													
3D	B2N7W	24-Jul-03	VOCs													
3D	B2W1W	08-Nov-02	Metals													
3D	B2W1W	08-Nov-02	PAHs													
3D	B2W1W	08-Nov-02	VOCs													
3D	B41E1W	12-Nov-02	TPH													
3D	B41E1W	12-Nov-02	VOCs													
3D	B41MW-5	01-Nov-02	PAHs													
3D	B41MW-5	01-Nov-02	TPH													
3D	B41MW-5	01-Nov-02	VOCs													
3D	B41MW-5	20-Mar-03	VOCs													

Appendix D-2
Groundwater Data For Area 3: Retained Area
Boeing Tract 1, St. Louis, Missouri

Sub-area	Sample ID	Date	Group	Aliphatics >nC6 to nC8 (TX1006)	Aliphatics >nC8 to nC10 (TX1006)	Aliphatics >nC10 to nC12 (TX1006)	Aliphatics >nC12 to nC16 (TX1006)	Aliphatics >nC16 to nC21 (TX1006)	Aliphatics >nC21 to nC35 (TX1006)	Aromatics >nC7 to nC8 (TX1006)	Aromatics >nC8 to nC10 (TX1006)	Aromatics >nC10 to nC12 (TX1006)	Aromatics >nC12 to nC16 (TX1006)	Aromatics >nC16 to nC21 (TX1006)	Aromatics >nC21 to nC35 (TX1006)	Total Petroleum Hydrocarbons (TX1006)
3D	B41MW-7	01-Nov-02	PAHs													
3D	B41MW-7	01-Nov-02	TPH													
3D	B41MW-7	01-Nov-02	VOCs													
3D	B41S2W	07-Nov-02	PAHs													
3D	B41S2W	07-Nov-02	TPH													
3D	B41S2W	07-Nov-02	VOCs													
3D	B41S4W	13-Nov-02	TPH													
3D	B41S4W	13-Nov-02	VOCs													
3E	B2E1W	01-Jul-03	TPH													
3E	B2E1W	01-Jul-03	VOCs													
3E	B2E2W	24-Jul-03	Metals													
3E	B2E2W	24-Jul-03	TPH													
3E	B2E2W-2004	4/29/2004	TPH	<500	<500	<500	<500	<500	<500	2000	1000	<500	<500	<500	3000	6000
3E	B2E2W	24-Jul-03	VOCs													
3E	B2E2W DUP	24-Jul-03	TPH													
3E	B2E2W DUP	24-Jul-03	VOCs													
3E	B2N5W	13-Nov-02	VOCs													
3F	B1W1W	01-Jul-03	TPH													
3F	B1W1W	01-Jul-03	VOCs													
3F	B1W1W Dup	01-Jul-03	TPH													
3F	B1W1W Dup	01-Jul-03	VOCs													
3F	B1W2W	25-Jul-03	Metals													
3F	B1W2W	25-Jul-03	TPH													
3F	B1W2W	25-Jul-03	VOCs													
3G	B2S1W	01-Jul-03	TPH													
3G	B2S1W	01-Jul-03	VOCs													
3G	B2S2W	24-Jul-03	Metals													
3G	B2S2W	24-Jul-03	TPH													
3G	B2S2W-2004	4/30/2004	TPH	<500	<500	<500	1000	<500	2000	<500	<500	<500	<500	<500	500	3800
3G	B2S2W	24-Jul-03	VOCs													
3H	B4E1W	21-Nov-02	TPH													
3H	B4E1W	21-Nov-02	VOCs													
3H	B4E3W	24-Jul-03	Metals													
3H	B4E3W	24-Jul-03	TPH													
3H	B4E3W	24-Jul-03	VOCs													
3H	B4E3W DUP	24-Jul-03	TPH													
3H	B5MW-22W	27-Jun-03	TPH													
3H	B5MW-22W	27-Jun-03	VOCs													
3H	B5MW-22W	29-Jul-03	Metals													
3H	B5MW-22W	29-Jul-03	Metals, Dissolved													
3H	B5MW-22W	29-Jul-03	PAHs													
3H	B5MW-22W	29-Jul-03	VOCs													

Notes:
All concentrations in ug/L (micrograms per liter)
< Less than detection limit shown
Blanks: Not analyzed
ND: Not detected
VOC: Volatile Organic Compound
TPH: Total Petroleum Hydrocarbon
PAH: Polycyclic Aromatic Hydrocarbon
Lab qualifiers in Section 1.0

APPENDIX E
AREA 4: POWER PLANT
BOEING TRACT 1, ST. LOUIS, MISSOURI

Appendix E-1. Soil Data for Area 4: Power Plant

Appendix E-2. Groundwater Data for Area 4: Power Plant

Appendix E-1
Soil Analytical Data for Area 4: Power Plant
Boeing Tract 1, St. Louis, Missouri

GROUP	BoeingParmName	B5E1-6	B5E2-6	S10B1 4-5	S10B1 6-7	S10B2 3-5	S10B2 5-6	S10B4 3-5
VOCs	Acetone	< 20	36	16	< 13	51	31	140
VOCs	Methyl ethyl ketone (MEK)	< 5	7.6					
VOCs	Methylene chloride	J 2.5	J 2.8					
VOCs	Toluene	3.1	< 5					
TPH	TPH as Diesel	< 4214	< 4219					
TPH	TPH as Gasoline	< 1000	< 1000					
TPH	TPH as Hydraulic Fluid	< 6321	< 6329					
TPH	TPH as Jet Fuel	< 4214	< 4219					
TPH	TPH as Kerosene	< 2528	< 2531					
TPH	TPH as Mineral Spirits	< 4214	< 4219					
TPH	TPH as Motor Oil	< 6321	< 6329					
PAHs	Anthracene	< 417.3	< 414.8	< 4.15	< 4.27	< 4.15	< 4.31	6.46
PAHs	Benzo(a)anthracene	< 417.3	< 414.8	< 4.15	< 4.27	< 4.15	< 4.31	17
PAHs	Benzo(a)pyrene	< 417.3	< 414.8	4.43	< 4.27	6.27	15.4	9.31
PAHs	Benzo(b)fluoranthene	< 417.3	< 414.8	5.03	5.02	8.02	8.42	115
PAHs	Benzo(g,h,i)perylene	< 417.3	< 414.8	7.79	< 4.27	9.98	29.9	17.5
PAHs	Benzo(k)fluoranthene	< 417.3	< 414.8	< 4.15	< 4.27	< 4.15	5.46	< 4.25
PAHs	Chrysene	< 417.3	< 414.8	4.35	6.36	4.63	6.35	13.9
PAHs	Dibenzo(a,h)anthracene	< 417.3	< 414.8	10.8	< 4.27	30.7	84.2	46.5
PAHs	Fluoranthene	< 417.3	< 414.8	5.46	15.6	14.1	16.3	< 4.25
PAHs	Indeno(1,2,3-cd)pyrene	< 417.3	< 414.8	< 4.15	7.26	< 4.15	15.8	< 4.25
PAHs	Phenanthrene	< 417.3	< 414.8	10.6	8.29	15.9	30.2	56.7
PAHs	Pyrene	< 417.3	< 414.8	11.6	14.3	17.2	16.2	43.4
Metals	Arsenic	< 3000		7400	11000	12000	10000	< 6300
Metals	Barium	179000		97000	93000	150000	130000	290000
Metals	Beryllium	511						
Metals	Cadmium	423		< 620	< 630	< 610	< 650	< 630
Metals	Chromium	10100		15000	15000	20000	17000	15000
Metals	Copper	13000						
Metals	Lead	6350	8480	12000	14000	14000	18000	19000
Metals	Mercury	< 100		< 20	< 300	30	30	< 30
Metals	Nickel	9650						
Metals	Selenium	< 4700		780	960	1000	880	1600
Metals	Zinc	33300						
BIO	Manganese	202000						

Notes:
All concentrations in ug/kg (micrograms per kilogram)
< Less than detection limit shown
Blanks: Not analyzed
ND: Not detect
TPH: Total petroleum hydrocarbon
VOC: Volatile organic compound
PAH: Polynuclear aromatic hydrocarbon
Laboratory qualifiers in Section 1.0

Appendix E-2
Groundwater Data for Area 4: Power Plant
Boeing Tract 1, St. Louis, Missouri

Sample ID	Date	Group	Acenaphthene	Anthracene	Benzo(a) anthracene	Benzo(b) fluoranthene	Carbazole	Chrysene	Dibenzo furan	Diethyl phthalate	Di-n-butyl phthalate	Fluoranthene	Fluorene
B5E1W	7/24/2003	TPH											
B5E1W	7/24/2003	VOCs											
B5E1W	7/25/2003	Metals											
B5E1W	7/28/2003	PCB											
B5E1W	7/29/2003	PAHs	< 11.11	< 11.11	< 11.11	< 11.11	< 11.11	< 11.11	< 11.11	J 2.7	< 11.11	< 11.11	< 11.11
B5E1W	7/29/2003	TPH											
B5E1W	7/29/2003	VOCs											
B5E2W	7/24/2003	TPH											
B5E2W	7/24/2003	VOCs											
B5E2W	7/25/2003	PAHs	J 3.4	J 5	J 5.7	J 5.3	J 8.3	J 6.7	J 2.2	J 2.9	J 4.6	J 18	J 3.8
B5E2W	7/25/2003	PCB											
B5E2W	7/25/2003	VOCs											
B5E2W	7/28/2003	Metals											

Notes:
All concentrations in ug/L (micrograms per liter)
< Less than detection limit shown
ND: Non-detect
Blank: Not analyzed
TPH: Total petroleum hydrocarbon
VOC: Volatile organic compound
PAH: Polynuclear aromatic hydrocarbon
PCB: Polychlorinated byphenol
Laboratory qualifiers in Section 1.0

Appendix E-2
Groundwater Data for Area 4: Power Plant
Boeing Tract 1, St. Louis, Missouri

Sample ID	Date	Group	Phenanthrene	Pyrene	Barium	Naphthalene	TPH as Diesel	TPH as Gasoline	TPH as Hydraulic Fluid	TPH as Jet Fuel	TPH as Kerosene	TPH as Mineral Spirits	TPH as Motor Oil	Zinc
B5E1W	7/24/2003	TPH						< 1000						
B5E1W	7/24/2003	VOCs				< 10								
B5E1W	7/25/2003	Metals			70									90
B5E1W	7/28/2003	PCB												
B5E1W	7/29/2003	PAHs	< 11.11	< 11.11										
B5E1W	7/29/2003	TPH					244		< 333	< 222	< 133	< 222	< 333	
B5E1W	7/29/2003	VOCs				< 11.11								
B5E2W	7/24/2003	TPH					611	< 1000	362	< 100	< 60	< 100	< 150	
B5E2W	7/24/2003	VOCs				< 10								
B5E2W	7/25/2003	PAHs	J 18	J 12										
B5E2W	7/25/2003	PCB												
B5E2W	7/25/2003	VOCs				J 4.2								
B5E2W	7/28/2003	Metals												

Notes:
All concentrations in ug/L (micrograms per liter)
< Less than detection limit shown
ND: Non-detect
Blank: Not analyzed
TPH: Total petroleum hydrocarbon
VOC: Volatile organic compound
PAH: Polynuclear aromatic hydrocarbon
PCB: Polychlorinated byphenol
Laboratory qualifiers in Section 1.0

APPENDIX F
AREA 5: IWTP
BOEING TRACT 1, ST. LOUIS, MISSOURI

Appendix F-1. Soil Data for Area 5: IWTIP

Appendix F-2. Groundwater Data for Area 5: IWTP

Appendix F-1
Soil Data for Area 5: IWTP
Boeing Tract 1, St. Louis, Missouri

Group		TPH	TPH	Metals	Metals	Metals	Metals	Metals	Metals	Metals	Metals	Metals	Metals	Cyanide
Sample ID	Depth (ft bgs)	Gasoline Range Organics	Total Extractable Hydrocarbons	Arsenic	Barium	Cadmium	Chromium	Lead	Mercury	Nickel	Selenium	Silver	Zinc	Cyanide, Total
DB-1	5.6-6.5			5510	94300	<100	18800	8390	<40	15500	<1000	450	41200	160
DB-1	13.9-18.5			8980	90300	<100	18200	6490	95	10600	<1000	400	34900	5420
DB-1	27.8-32.5			1070	85500	<100	21100	7950	<40	13200	<1000	520	37200	350
S21B1 1-2	1-2			13000	130000	720	18000	10000	40		1200	< 2400		< 500
S21B1 27-28	27-28			<6400	73000	320	16000	7200	30		990	< 2600		< 500
S21B2 1-2	1-2			3100	180000	315	14000	15000	30		1500	< 2500		< 500
S21B2 13-15	13-14			3300	120000	330	15000	10000	30		1000	< 2600		< 500
S21B3 17-21	17-21			10000	160000	320	16000	16000	30		1700	< 2600		< 500
S21B3 4-5	4-5			8400	160000	315	15000	10000	30		1400	< 2500		< 500
S21B4 2-3	2-3			7100	110000	310	18000	12000	60		1000	< 2500		< 500
S21B4 7-9	7-9			3150	62000	315	12000	7000	90		1600	< 2500		< 500
S21B5 10-12	10-12	93000	200000	11000	140000	640	15000	12000	70		910	< 2500		< 500
S21B5 2-4	2-4			13000	200000	310	23000	14000	220		1200	< 2500		< 500
S21B6 10-12	10-12			12000	99000	325	17000	8500	30		1000	< 2400		< 500
S21B6 2-4	2-4			6000	110000	295	25000	96000	60		1700	< 2400		< 500

Notes:

All concentrations in ug/kg (micrograms per kilogram)

< Less than detection limit shown

Blanks: Not analyzed

ND: Not detected

VOC: Volatile organic compound

TPH: Total petroleum hydrocarbon

Lab qualifiers in Section 1.0

Depth for DB-1 samples were converted to true vertical depths based on 22° drilling angle from vertical.

Appendix F-2
Groundwater Data for Area 5: IWTP
Boeing Tract 1, St. Louis, Missouri

Sample ID	Group	Barium	Barium, Dissolved	Chromium	Lead	Mercury	Selenium	Selenium, Dissolved
S21B1W	Metals	1300		170	75	0.28	31	
S21B1W	Metals, Dissolved		350					6.4

Notes:
All concentrations in ug/L (micrograms per liter)
Blank: Not analyzed

APPENDIX G
AREA 6: GKN FACILITY
BOEING TRACT 1, ST. LOUIS, MISSOURI

Appendix G-1A. Soil Data for Sub-area 6A: GKN Facility
Appendix G-2A. Groundwater Data for Sub-area 6A: GKN Facility
Appendix G-1B. Soil Data for Sub-area 6B: GKN Facility
Appendix G-2B. Groundwater Data for Sub-area 6B: GKN Facility
Appendix G-1C. Soil Data for Sub-area 6C: GKN Facility
Appendix G-2C. Groundwater Data for Sub-area 6C: GKN Facility
Appendix G-1D. Soil Data for Sub-area 6D: GKN Facility
Appendix G-2D. Groundwater Data for Sub-area 6D: GKN Facility

Appendix G-1A
Soil Data for Sub-area 6A: GKN Facility
Boeing Tract 1, St. Louis, Missouri

Group		VOCs	VOCs	VOCs	PAHs	Metals	Metals	Metals	Metals	Metals	Metals
Sample ID	Date	Acetone	Methylene Chloride	Methyl ethyl ketone	Chrysene	Arsenic	Barium	Chromium	Lead	Mercury	Selenium
B21S1-12	7/19/2000	< 26	< 6.4	< 26	< 19	3100	68300	12400	8100	B 15	< 640
B29AW1-8	7/24/2000	< 25	13	< 25							
B29E1-17	7/20/2000	J 20	< 6.4	J B 11	< 19	9500	213000	20300	11200	B 26	< 640
B29I1-17	7/25/2000	J 21	< 6.4	< 26	< 19						
MW-1-16	7/17/2000	41	< 7.2	J 24	1500	7500	77400	11900	7000	B 14	B 420
RR1-2	9/22/2000	NA	NA		NA	NA	NA	NA	NA	NA	NA
RR2-3	9/19/2000	NA	NA		NA	NA	NA	NA	NA	NA	NA

Notes:
All concentrations in ug/kg (micrograms per kilogram)
< Less than detection limit shown
Blanks: Not analyzed
NA: Not available
VOC: Volatile organic compound
PAH: Polynuclear aromatic hydrocarbon
Lab qualifiers in Section 1.0

Appendix G-2A
Greundwater Data for Sub-area 6A: GKN Facility
Boeing Tract 1, St. Louis, Missouri

Sample ID	Date	Group	Acetone	Arsenic	Barium	Barium, Dissolved	Benzene	Bromo dichloro methane	Cadmium	Carbon disulfide	Chloroform	Chromium	cis-1,2-Dichloro ethene	Dibromo chloro methane	Lead	Mercury	Methlene chloride	Selenium	Trichloro ethene	Volatile Petroleum Hydrocarbons
B21S1W	20-Jul-00	VOCs	< 10				< 1	< 1		J 0.52	< 1			< 1			< 1		< 1	
B21S1W	21-Jul-00	TPH																		
B21S1W	20-Jul-00	Metals		196	22900				13.4			1060			388	1.3		7		
B29AW1W	26-Jul-00	VOCs	< 10				< 1	< 1		< 1	< 1			< 1			J B 0.4		< 1	
B29AW1W	26-Jul-00	TPH																		< 100
B29E1W	20-Jul-00	VOCs	J 4.6				< 1	< 1		< 1	< 1			< 1			< 1		< 1	
B29E1W	21-Jul-00	TPH																		
B29E1W	25-Jul-00	TPH																		730
B29I1W	25-Jul-00	VOCs																		
B29I1W	26-Jul-00	VOCs	< 10				< 1	J 0.6		< 1	1.7			J 0.37			J B 0.77		2.1	
B29I1W	25-Jul-00	PAHs																		
B29I1W	26-Jul-00	PAHs																		
MW1W	27-Jul-00	VOCs	< 10				< 1	< 1		< 1	< 1			< 1			< 1		< 1	
MW1W	09-Jan-01	VOCs	< 10				< 5	< 5		< 5	< 5		< 5	< 5			< 5		< 5	
MW1W	10-May-01	VOCs	< 50				< 1	< 1			< 5		< 1				< 5		< 1	
MW1W	18-Jul-01	VOCs	< 50				< 1	< 1			< 5		1.1				< 5		< 1	
MW1W	24-Oct-01	VOCs	< 50				< 1	< 1			< 5		< 1				< 5		< 1	
MW1W	11-Mar-02	VOCs	< 50				< 1	< 1			< 5		< 1				< 5		< 1	
MW1W	03-Jun-02	VOCs	< 50				< 1	< 1			< 5		< 1				< 5		< 1	
MW1W	20-Jun-03	VOCs	< 50				7.2	< 1			< 5		< 1				< 5		< 1	
MW1W	27-Jul-00	TPH																		< 100
MW1W	27-Jul-00	PCB																		
MW1W	27-Jul-00	PAHs																		
MW1W	10-May-01	Metals, Dissolved				140														
MW1W	18-Jul-01	Metals, Dissolved				160														
MW1W	24-Oct-01	Metals, Dissolved				160														
MW1W	27-Jul-00	Metals		11.9	479				< 5			57.6			18.8	B 0.075		< 5		
MW1W	09-Jan-01	Metals		< 50	450				< 10			67			< 50	< 0.2		< 100		
MW1W	10-May-01	Metals		5.6	130				< 2			< 2			< 5	1.5				
MW1W	18-Jul-01	Metals		< 5	170				< 2			2.7			6.2	< 0.2				
MW1W	24-Oct-01	Metals		< 5	170				< 2			< 2			< 5	< 0.2				
MW1W	27-Jul-00	Cyanide																		
MW1W DUP	10-May-01	VOCs	< 50				< 1	< 1			< 5		< 1				< 5		< 1	
MW1W DUP	18-Jul-01	VOCs	< 50				< 1	< 1			< 5		< 1				< 5		< 1	
MW1W DUP	24-Oct-01	VOCs	< 50				< 1	< 1			< 5		< 1				< 5		< 1	
MW1W DUP	10-May-01	Metals, Dissolved				140														
MW1W DUP	18-Jul-01	Metals, Dissolved				150														
MW1W DUP	24-Oct-01	Metals, Dissolved				160														
MW1W DUP	10-May-01	Metals		< 5	130				< 2			< 2			< 5	< 0.2				
MW1W DUP	18-Jul-01	Metals		6.6	180				< 2			4.7			6	< 0.2				
MW1W DUP	24-Oct-01	Metals		< 5	160				< 2			< 2			< 5	< 0.2				

Notes:
All concentrations in ug/L (micrograms per liter)
< Less than detection limit shown
Blanks: Not analyzed
VOC: Volatile organic compound
TPH: Total petroleum hydrocarbon
PAH: Polynuclear aromatic hydrocarbon
PCB: Polychlorinated byphenol
Lab qualifiers in Section 1.0

Appendix G-1B
Soil Data for Sub-area 6B: GKN Facility
Boeing Tract 1, St. Louis, Missouri

Group				VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs
Sample ID	Source	Date	Depth (ft bgs)	1,1-Dichloro ethane	1,1-Dichloro ethene	1,2-Dichloro ethene (Total)	Acetone	cis-1,2-Dichloro ethene	Ethyl benzene	Methylene chloride	Methyl ethyl ketone	Tetrachloro ethene	Toluene	trans-1,2-Dichloro ethene	Trichloro ethene	Vinyl chloride	Xylenes, Total
B28-N-C	SWMU 4	12/6-/7/1993	NA	ND	ND		ND	ND	<5000	ND	ND	ND	<5000		ND	ND	<15000
B28-N-D		12/6-/7/1993	NA	ND	ND		ND	ND	2000	ND	ND	ND	83000		ND	ND	<15000
B28-S-C		12/6-/7/1993	NA	ND	ND		ND	ND	<5000	ND	ND	ND	<5000		ND	ND	<15000
B28-S-D		12/6-/7/1993	NA	ND	ND		ND	ND	<5000	ND	ND	ND	<5000		ND	ND	<15000
39-1	SWMU 8	11/1/1994	0-1	ND	ND	< 10	ND	ND	<10	ND	ND	ND	51		ND	ND	<10
39-1		11/1/1994	1-2	ND	ND	< 8	ND	ND	<8	ND	ND	ND	<8		ND	ND	<8
39-2		11/1/1994	0-1	ND	ND	<.6	ND	ND	<6	ND	ND	ND	<6		ND	ND	<6
39-2		11/1/1994	1-2	ND	ND	< 7	ND	ND	<7	ND	ND	ND	<7		ND	ND	<7
39-3		11/1/1994	0-1	ND	ND	36	ND	ND	<7	ND	ND	0.29	<7		0.062	ND	<7
39-3		11/1/1994	1-2	ND	ND	< 9	ND	ND	<9	ND	ND	ND	<9		ND	ND	<9
22-1	SWMU 31	11/1/1994	0-1	ND	ND		ND	ND	ND	ND	ND	<10	ND		ND	ND	ND
22-1		11/1/1994	1-2	ND	ND		ND	ND	ND	ND	ND	15	ND		ND	ND	ND
22-2		11/1/1994	0-1	ND	ND		ND	ND	ND	ND	ND	10	ND		ND	ND	ND
22-2		11/1/1994	1-2	ND	ND		ND	ND	ND	ND	ND	<10	ND		ND	ND	ND
B22E1-8		7/24/2000	8	< 6.5	< 6.5	< 6.5	J 20		< 6.5	14	< 26	< 6.5	< 6.5		< 6.5	< 6.5	< 6.5
B22E2-6		7/25/2000	6	< 6.4	< 6.4	< 6.4	J 16		< 6.4	< 6.4	< 26	< 6.4	< 6.4		< 6.4	< 6.4	< 6.4
B22E3-6		7/25/2000	6	< 6.4	< 6.4	< 6.4	39		< 6.4	< 6.4	< 26	< 6.4	< 6.4		< 6.4	< 6.4	< 6.4
B22N1-4		7/24/2000	4	< 5.9	< 5.9	< 5.9	D 72		< 5.9	< 5.9	< 24	D 6.2	< 5.9		< 5.9	< 5.9	< 5.9
B22W1-6		7/24/2000	6	< 6.3	< 6.3	< 6.3	J 21		< 6.3	13	J 25	< 6.3	< 6.3		< 6.3	< 6.3	< 6.3
B27W1-3		9/18/2000	3	< 6.4	< 6.4		B 26	< 3.2	11	< 6.4	< 25	< 6.4	16	< 3.2	< 6.4	< 6.4	64
B27W1-9		9/18/2000	9	< 5	< 5			< 5	< 5	< 5		< 5	< 5	< 5	< 5	< 5	< 5
B27W1-9 DUP		9/18/2000	9	< 5	< 5			< 5	< 5	< 5		< 5	< 5	< 5	< 5	< 5	< 5
B27W2-8		9/18/2000	8	< 6.5	< 6.5		< 26	< 3.3	< 6.5	< 6.5	< 26	9.3	< 6.5	< 3.3	< 6.5	< 6.5	< 6.5
B27W3-2		9/18/2000	2														
B27W3-25		9/19/2000	25	< 6.3	< 6.3		< 25	18	< 6.3	< 6.3	< 25	< 6.3	< 6.3	< 3.1	< 6.3	< 6.3	< 6.3
B27W3-8		9/18/2000	8	7.5	7.5		B 40	1800	< 6.3	< 6.3	< 25	< 6.3	71	160	E 390	E 600	15
B28E1-6		7/26/2000	6	< 6.4	< 6.4	< 6.4	J 21		< 6.4	< 6.4	< 26	< 6.4	< 6.4		< 6.4	< 6.4	< 6.4
B28N1-7		7/26/2000	7	< 6.4	< 6.4	< 6.4	J B 24		30	< 6.4	< 26	< 6.4	< 6.4		< 6.4	< 6.4	< 6.4
CN1-8		7/24/2000	8														
HW1-5		7/24/2000	5	< 6.3	< 6.3	55	J 16		< 6.3	13	< 25	43	< 6.3		9	18	< 6.3
MW-3-12		7/19/2000	12	< 6.3	< 6.3	250	< 25		< 6.3	< 6.3	< 25	< 6.3	< 6.3		J 1.9	< 6.3	< 6.3
MW-7-7		7/19/2000	7	< 6.3	< 6.3	< 6.3	< 25		< 6.3	< 6.3	J 15	< 6.3	< 6.3		< 6.3	< 6.3	< 6.3
MW9S-12		9/18/2000	12	< 6.4	< 6.4		< 26	< 3.2	< 6.4	11	< 26	< 6.4	< 6.4	< 3.2	< 6.4	< 6.4	< 6.4
MW9S-18		9/18/2000	18	< 5	< 5			< 5	< 5	< 5		< 5	< 5	< 5	< 5	< 5	< 5
MW9S-23		9/18/2000	23	< 5	< 5			< 5	< 5	< 5		< 5	< 5	< 5	< 5	< 5	< 5
MW9S-37		9/19/2000	37	< 5	< 5			< 5	< 5	< 5		< 5	< 5	< 5	< 5	< 5	< 5
MW9S-55		9/18/2000	55	< 5	< 5			< 5	< 5	< 5		< 5	< 5	< 5	< 5	< 5	< 5
MW9S-68		9/18/2000	68	< 5	< 5			< 5	< 5	< 5		< 5	< 5	< 5	< 5	< 5	< 5
MW9S-9		9/18/2000	9	< 5	< 5			< 5	< 5	< 5		< 5	< 5	< 5	< 5	< 5	< 5
PB1-6		7/24/2000	6														
RC10-10		11/13/2000	10	< 6.2	< 6.2		< 25	< 3.1	< 6.2	8.2	< 25	< 6.2	< 6.2	< 3.1	< 6.2	< 6.2	< 6.2
RC11-15		12/7/2000	15	< 5	< 5	< 5	< 10	< 5	< 5	B 8	< 10	< 5	< 5	< 5	< 5	< 10	< 5
RC12-15		12/7/2000	15	< 5	< 5	< 5	< 10	< 5	< 5	B 5	< 10	< 5	< 5	< 5	< 5	< 10	< 5
RC1-7		7/25/2000	7	< 6.5	< 6.5	58	J 23		< 6.5	< 6.5	< 26	< 6.5	< 6.5		J 3.9	51	< 6.5
RC2-7		7/25/2000	7	J 1.6	< 6.4	< 6.4	J B 20		< 6.4	15	< 26	< 6.4	< 6.4		< 6.4	J 4.7	< 6.4
RC3-5		7/25/2000	5	< 7.9	< 7.9	240	B 86		< 7.9	31	< 32	< 7.9	< 7.9		98	< 7.9	< 7.9
RC3-5 DUP		7/25/2000	5	< 6.9	< 6.9	D 180	200		< 6.9	< 6.9	< 28	< 6.9	< 6.9		D 120	< 6.9	< 6.9
RC4-10		9/18/2000	10	< 6.3	< 6.3		< 25	9.1	< 6.3	< 6.3	< 25	< 6.3	< 6.3	< 3.2	24	< 6.3	< 6.3

Appendix G-1B
Soil Data for Sub-area 6B: GKN Facility
Boeing Tract 1, St. Louis, Missouri

Group				VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs
Sample ID	Source	Date	Depth (ft bgs)	1,1-Dichloro ethane	1,1-Dichloro ethene	1,2-Dichloro ethene (Total)	Acetone	cis-1,2-Dichloro ethene	Ethyl benzene	Methylene chloride	Methyl ethyl ketone	Tetrachloro ethene	Toluene	trans-1,2-Dichloro ethene	Trichloro ethene	Vinyl chloride	Xylenes, Total
RC5-9		9/18/2000	9	< 6.4	< 6.4		B 26	< 3.2	< 6.4	< 6.4	< 26	< 6.4	< 6.4	< 3.2	< 6.4	< 6.4	< 6.4
RC6-20		9/18/2000	20	< 6.1	< 6.1		B 26	< 3.1	< 6.1	< 6.1	< 24	< 6.1	< 6.1	< 3.1	< 6.1	< 6.1	< 6.1
RC6-7		9/18/2000	7	< 6.3	< 6.3		< 25	44	< 6.3	< 6.3	< 25	< 6.3	< 6.3	< 3.2	58	28	< 6.3
RC7-16		9/18/2000	16	< 5	< 5			< 5		< 5				< 5	< 5	< 5	
RC8-25		9/18/2000	25	< 6.3	< 6.3		< 25	< 3.1	< 6.3	7	< 25	< 6.3	< 6.3	< 3.1	< 6.3	< 6.3	< 6.3
RC8-8		9/18/2000	8	< 5	< 5					< 5				< 5		< 5	
RC9-4		11/13/2000	4														
RC9-8		11/13/2000	8	< 6.4	< 6.4		< 26	< 3.2	< 6.4	8.1	< 26	< 6.4	< 6.4	< 3.2	< 6.4	< 6.4	< 6.4
S31B1 6_2-7		2/5/1998	6.2-7				< 13	< 6.4				8		< 6.4			< 6.4
S31B1 8-8_5		2/5/1998	8-8.5				< 14	< 6.8				28		< 6.8			< 6.8
S31B2 5_2-6		2/5/1998	5.2-6				< 12	< 6.2				9.4		< 6.2			< 6.2
S31B2 7_5-8_5		2/5/1998	7.5-8.5				< 13	< 6.5				< 6.5		< 6.5			< 6.5
S31B3 1_5-2_5		2/5/1998	1.5-2.5				14	< 6.4				< 6.4		< 6.4			< 6.4
S31B3 6_5-8_5		2/5/1998	6.5-8.5				< 14	< 6.8				< 6.8		< 6.8			< 6.8

Notes:
All concentrations in ug/kg (micrograms per kilogram)
< Less than detection limit shown
Blanks: Not analyzed
NA: Not available
ND: Not detected
ft bgs: Feet below ground surface
VOC: Volatile organic carbon
TPH: Total petroleum hydrocarbon
PAH: Polynuclear aromatic hydrocarbon
Lab qualifiers in Section 1.0

Appendix G-1B
Soil Data for Sub-area 6B: GKN Facility
Boeing Tract 1, St. Louis, Missouri

Group				TPH	TPH	PCB	PAHs	PAHs	PAHs	PAHs	PAHs	PAHs	PAHs	PAHs	PAHs
Sample ID	Source	Date	Depth (ft bgs)	TPH as Diesel	Volatile Petroleum Hydrocarbons	Aroclor 1254	Acenaphthene	Acenaphthylene	Benzo(a) anthracene	Benzo(b) fluoranthene	Chrysene	Fluoranthene	Fluorene	Phenanthrene	Pyrene
B28-N-C	SWMU 4	12/6-/7/1993	NA				ND	ND	ND	ND	ND	ND	ND	ND	ND
B28-N-D		12/6-/7/1993	NA				ND	ND	ND	ND	ND	ND	ND	ND	ND
B28-S-C		12/6-/7/1993	NA				ND	ND	ND	ND	ND	ND	ND	ND	ND
B28-S-D		12/6-/7/1993	NA				ND	ND	ND	ND	ND	ND	ND	ND	ND
39-1	SWMU 8	11/1/1994	0-1				ND	ND	ND	ND	ND	ND	ND	ND	ND
39-1		11/1/1994	1-2				ND	ND	ND	ND	ND	ND	ND	ND	ND
39-2		11/1/1994	0-1				ND	ND	ND	ND	ND	ND	ND	ND	ND
39-2		11/1/1994	1-2				ND	ND	ND	ND	ND	ND	ND	ND	ND
39-3		11/1/1994	0-1				ND	ND	ND	ND	ND	ND	ND	ND	ND
39-3		11/1/1994	1-2				ND	ND	ND	ND	ND	ND	ND	ND	ND
22-1	SWMU 31	11/1/1994	0-1				ND	ND	ND	ND	ND	<420	ND	ND	<420
22-1		11/1/1994	1-2				ND	ND	ND	ND	ND	520	ND	ND	500
22-2		11/1/1994	0-1				ND	ND	ND	ND	ND	<420	ND	ND	<420
22-2		11/1/1994	1-2				ND	ND	ND	ND	ND	<420	ND	ND	<420
B22E1-8		7/24/2000	8	< 32000	< 130										
B22E2-6		7/25/2000	6	< 32000	< 130										
B22E3-6		7/25/2000	6	< 32000	< 130										
B22N1-4		7/24/2000	4	< 30000	1400	< 39	6800	74	42	42	300	110	62	< 36	< 36
B22W1-6		7/24/2000	6	< 32000	270										
B27W1-3		9/18/2000	3												
B27W1-9		9/18/2000	9												
B27W1-9 DUP		9/18/2000	9												
B27W2-8		9/18/2000	8												
B27W3-2		9/18/2000	2												
B27W3-25		9/19/2000	25												
B27W3-8		9/18/2000	8												
B28E1-6		7/26/2000	6	< 32000	< 130	< 42	< 39	< 39	< 19	< 19	< 19	< 39	< 39	< 39	< 39
B28N1-7		7/26/2000	7	< 32000	16000	< 42	< 39	< 39	< 19	< 19	110	< 39	< 39	< 39	< 39
CN1-8		7/24/2000	8												
HW1-5		7/24/2000	5	< 32000	< 130	< 42	< 38	< 38	< 19	< 19	< 19	< 38	< 38	< 38	< 38
MW-3-12		7/19/2000	12	< 32000	< 130	< 42	< 38	< 38	< 19	< 19	< 19	< 38	< 38	< 38	< 38
MW-7-7		7/19/2000	7	< 31000	660	< 42	< 38	< 38	< 19	< 19	210	< 38	< 38	< 38	< 38
MW9S-12		9/18/2000	12												
MW9S-18		9/18/2000	18												
MW9S-23		9/18/2000	23												
MW9S-37		9/19/2000	37												
MW9S-55		9/18/2000	55												
MW9S-68		9/18/2000	68												
MW9S-9		9/18/2000	9												
PB1-6		7/24/2000	6	< 32000	< 130	< 42									
RC10-10		11/13/2000	10												
RC11-15		12/7/2000	15												
RC12-15		12/7/2000	15												
RC1-7		7/25/2000	7	< 32000	< 130	< 43	< 39	< 39	< 19	< 19	< 19	< 39	< 39	< 39	< 39
RC2-7		7/25/2000	7	980000	< 130	100	< 38	< 38	29	< 19	< 19	< 38	< 38	< 38	< 38
RC3-5		7/25/2000	5	< 40000	220	< 52	< 47	< 47	< 24	< 24	140	< 47	< 47	< 47	< 47
RC3-5 DUP		7/25/2000	5	< 34000	< 140	< 45	< 41	< 41	< 21	< 21	30	< 41	< 41	< 41	< 41
RC4-10		9/18/2000	10												

Appendix G-1B
Soil Data for Sub-area 6B: GKN Facility
Boeing Tract 1, St. Louis, Missouri

Group				TPH	TPH	PCB	PAHs	PAHs	PAHs	PAHs	PAHs	PAHs	PAHs	PAHs	PAHs
Sample ID	Source	Date	Depth (ft bgs)	TPH as Diesel	Volatile Petroleum Hydrocarbons	Aroclor 1254	Acenaphthene	Acenaphthylene	Benzo(a) anthracene	Benzo(b) fluoranthene	Chrysene	Fluoranthene	Fluorene	Phenanthrene	Pyrene
RC5-9		9/18/2000	9												
RC6-20		9/18/2000	20												
RC6-7		9/18/2000	7												
RC7-16		9/18/2000	16												
RC8-25		9/18/2000	25												
RC8-8		9/18/2000	8												
RC9-4		11/13/2000	4			< 42									
RC9-8		11/13/2000	8												
S31B1 6_2-7		2/5/1998	6.2-7				< 42.5	< 42.5	< 4.25	< 4.25	< 4.25	< 4.25	< 42.5	5.07	< 4.25
S31B1 8-8_5		2/5/1998	8-8.5				< 45.4	< 45.4	< 4.54	< 4.54	< 4.54	< 4.54	< 45.5	< 4.54	< 4.54
S31B2 5_2-6		2/5/1998	5.2-6				< 41.4	< 41.4	< 4.14	< 4.14	< 4.14	< 4.14	< 41.4	< 4.14	< 4.14
S31B2 7_5-8_5		2/5/1998	7.5-8.5				< 43.2	< 43.2	< 4.32	< 4.32	< 4.32	< 4.32	< 43.2	< 4.32	< 4.32
S31B3 1_5-2_5		2/5/1998	1.5-2.5				< 42.5	< 42.5	< 4.25	< 4.25	< 4.25	< 4.25	< 42.5	< 4.25	< 4.25
S31B3 6_5-8_5		2/5/1998	6.5-8.5				< 45.6	< 45.6	< 4.56	< 4.56	< 4.56	< 4.56	< 45.6	< 4.56	< 4.56

Notes:
All concentrations in ug/kg (micrograms per kilogram)
< Less than detection limit shown
Blanks: Not analyzed
NA: Not available
ND: Not detected
ft bgs: Feet below ground surface
VOC: Volatile organic carbon
TPH: Total petroleum hydrocarbon
PAH: Polynuclear aromatic hydrocarbon
Lab qualifiers in Section 1.0

Appendix G-1B
Soil Data for Sub-area 6B: GKN Facility
Boeing Tract 1, St. Louis, Missouri

Group				Metals	Metals	Metals	Metals	Metals	Metals	Metals	Cyanide						
Sample ID	Source	Date	Depth (ft bgs)	Arsenic	Barium	Cadmium	Chromium	Lead	Mercury	Selenium	Reactive Cyanide	Aluminum	Antimony	Beryllium	Calcium	Cobalt	Copper
B28-N-C	SWMU 4	12/6-/7/1993	NA	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND
B28-N-D		12/6-/7/1993	NA	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND
B28-S-C		12/6-/7/1993	NA	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND
B28-S-D		12/6-/7/1993	NA	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND
39-1	SWMU 8	11/1/1994	0-1	21100	74100	550	15200	20000	25.1	3660		8770000	4310	822	26800000	5200	15200
39-1		11/1/1994	1-2	28200	306000	2520	16900	27900	21.7	5650		8230000	7940	997	23700000	10100	21900
39-2		11/1/1994	0-1	8950	53100	<487	22700	12800	<4	<3090		3930000	2040	451	90100000	5230	17800
39-2		11/1/1994	1-2	23600	66000	<487	13700	19800	28.7	<3090		8690000	2480	781	42200000	5470	13300
39-3		11/1/1994	0-1	20000	66000	<487	13700	19800	28.7	<3090		8950000	2480	781	42200000	5470	13300
39-3		11/1/1994	1-2	21400	104000	<487	15500	20900	24	<3090		9430000	3500	809	24300000	6050	14000
22-1	SWMU 31	11/1/1994	0-1	37000	199000	1860	20800	32700	48.7	3570		12700000	5510	1340	7680000	14800	28100
22-1		11/1/1994	1-2	40100	200000	<487	17800	26500	31.8	<3090		10400000	3520	1140	9320000	15100	25500
22-2		11/1/1994	0-1	31700	168000	<487	21200	26100	52.9	<3090		11500000	4090	1120	5310000	8420	17200
22-2		11/1/1994	1-2	34500	158000	<487	18700	25700	38.8	<3090		10200000	3770	1130	11100000	8200	27200
B22E1-8		7/24/2000	8														
B22E2-6		7/25/2000	6														
B22E3-6		7/25/2000	6														
B22N1-4		7/24/2000	4	3000	84400	< 590	11300	6100	B 29	< 590							
B22W1-6		7/24/2000	6	B 1100	70300	< 630	13100	8800	B 32	< 630							
B27W1-3		9/18/2000	3	130000	152000	810	13700	7500	< 130	< 640							
B27W1-9		9/18/2000	9														
B27W1-9 DUP		9/18/2000	9														
B27W2-8		9/18/2000	8	5800	187000	1100	13200	8000	< 130	< 650							
B27W3-2		9/18/2000	2														
B27W3-25		9/19/2000	25	40700	141000	1400	14000	24900	< 130	< 630							
B27W3-8		9/18/2000	8	13500	123000	750	11000	7300	< 130	< 630							
B28E1-6		7/26/2000	6	3000	82600	< 640	10500	7100	< 43	< 640							
B28N1-7		7/26/2000	7	6100	118000	< 640	13000	8000	B 38	< 640							
CN1-8		7/24/2000	8								< 64						
HW1-5		7/24/2000	5	4400	142000	< 630	14000	8100	B 32	< 630	140						
MW-3-12		7/19/2000	12	9000	103000	< 630	21000	9800	B 21	660	< 63						
MW-7-7		7/19/2000	7	5500	137000	< 630	13500	7400	B 22	< 630	< 63						
MW9S-12		9/18/2000	12	5200	117000	< 640	17700	6900	< 130	< 640							
MW9S-18		9/18/2000	18														
MW9S-23		9/18/2000	23														
MW9S-37		9/19/2000	37														
MW9S-55		9/18/2000	55														
MW9S-68		9/18/2000	68														
MW9S-9		9/18/2000	9														
PB1-6		7/24/2000	6														
RC10-10		11/13/2000	10	2500	81000	< 620	10600	8800	< 120	< 620							
RC11-15		12/7/2000	15														
RC12-15		12/7/2000	15														
RC1-7		7/25/2000	7	8800	188000	B 140	20000	11500	B 15	< 650	140						
RC2-7		7/25/2000	7	4700	98100	< 640	19500	7700	< 42	< 640	140						
RC3-5		7/25/2000	5	5700	98400	< 790	13300	7900	< 53	< 790	< 79						
RC3-5 DUP		7/25/2000	5	3000	96400	< 690	14800	8300	< 46	< 690	< 69						
RC4-10		9/18/2000	10	9700	124000	1100	12700	8500	< 130	< 630							

Appendix G-1B
Soil Data for Sub-area 6B: GKN Facility
Boeing Tract 1, St. Louis, Missouri

Group				Metals	Metals	Metals	Metals	Metals	Metals	Metals	Cyanide						
Sample ID	Source	Date	Depth (ft bgs)	Arsenic	Barium	Cadmium	Chromium	Lead	Mercury	Selenium	Reactive Cyanide	Aluminum	Antimony	Beryllium	Calcium	Cobalt	Copper
RC5-9		9/18/2000	9	6000	97500	< 640	12600	8600	< 130	< 640							
RC6-20		9/18/2000	20	2900	128000	< 610	13900	10600	< 120	< 610							
RC6-7		9/18/2000	7	6300	94600	< 630	16300	6500	< 130	< 630							
RC7-16		9/18/2000	16	2200	104000	< 620	19800	6000	< 120	< 620							
RC8-25		9/18/2000	25	5900	132000	670	13300	10300	< 130	< 630							
RC8-8		9/18/2000	8	3300	97400	730	16500	6400	< 130	< 640							
RC9-4		11/13/2000	4														
RC9-8		11/13/2000	8	9700	114000	< 640	16300	7600	< 130	< 640							
S31B1 6_2-7		2/5/1998	6.2-7	< 6300	180000	< 640	11000	9800	50	< 630							
S31B1 8-8_5		2/5/1998	8-8.5	< 6700	97000	< 680	31000	14000	40	< 670							
S31B2 5_2-6		2/5/1998	5.2-6	6600	140000	< 620	12000	11000	40	2300							
S31B2 7_5-8_5		2/5/1998	7.5-8.5	< 6500	96000	< 640	12000	6000	50	< 650							
S31B3 1_5-2_5		2/5/1998	1.5-2.5	8800	190000	< 630	15000	13000	60	< 630							
S31B3 6_5-8_5		2/5/1998	6.5-8.5	< 6700	140000	< 670	12000	7900	50	< 670							

Notes:
All concentrations in ug/kg (micrograms per kilogram)
< Less than detection limit shown
Blanks: Not analyzed
NA: Not available
ND: Not detected
ft bgs: Feet below ground surface
VOC: Volatile organic carbon
TPH: Total petroleum hydrocarbon
PAH: Polynuclear aromatic hydrocarbon
Lab qualifiers in Section 1.0

Appendix G-1B
Soil Data for Sub-area 6B: GKN Facility
Boeing Tract 1, St. Louis, Missouri

Sample ID	Group Source	Date	Depth (ft bgs)	Iron	Magnesium	Manganese	Nickel	Potassium	Sodium	Vanadium	Zinc
B28-N-C	SWMU 4	12/6-/7/1993	NA	ND	ND	ND	ND	ND	ND	ND	ND
B28-N-D		12/6-/7/1993	NA	ND	ND	ND	ND	ND	ND	ND	ND
B28-S-C		12/6-/7/1993	NA	ND	ND	ND	ND	ND	ND	ND	ND
B28-S-D		12/6-/7/1993	NA	ND	ND	ND	ND	ND	ND	ND	ND
39-1	SWMU 8	11/1/1994	0-1	22100000	14900000	230000	15700	775000	342000	33100	46200
39-1		11/1/1994	1-2	42400000	14300000	2520000	31900	690000	311000	42200	52600
39-2		11/1/1994	0-1	8650000	4750000	141000	26200	613000	320000	20000	45500
39-2		11/1/1994	1-2	11600000	22000000	240000	12600	922000	303000	29200	38900
39-3		11/1/1994	0-1	11600000	22000000	240000	12600	922000	303000	29200	38900
39-3		11/1/1994	1-2	15800000	13100000	549000	17900	852000	296000	33200	46300
22-1	SWMU 31	11/1/1994	0-1	21100000	3810000	4310000	62300	1080000	1510000	47700	67500
22-1		11/1/1994	1-2	19300000	6100000	1540000	49400	687000	801000	45200	60300
22-2		11/1/1994	0-1	17500000	3740000	771000	28400	897000	1410000	38000	58300
22-2		11/1/1994	1-2	15700000	7200000	300000	24500	696000	484000	45200	67200
B22E1-8		7/24/2000	8								
B22E2-6		7/25/2000	6								
B22E3-6		7/25/2000	6								
B22N1-4		7/24/2000	4								
B22W1-6		7/24/2000	6								
B27W1-3		9/18/2000	3								
B27W1-9		9/18/2000	9								
B27W1-9 DUP		9/18/2000	9								
B27W2-8		9/18/2000	8								
B27W3-2		9/18/2000	2								
B27W3-25		9/19/2000	25								
B27W3-8		9/18/2000	8								
B28E1-6		7/26/2000	6								
B28N1-7		7/26/2000	7								
CN1-8		7/24/2000	8								
HW1-5		7/24/2000	5								
MW-3-12		7/19/2000	12								
MW-7-7		7/19/2000	7								
MW9S-12		9/18/2000	12								
MW9S-18		9/18/2000	18								
MW9S-23		9/18/2000	23								
MW9S-37		9/19/2000	37								
MW9S-55		9/18/2000	55								
MW9S-68		9/18/2000	68								
MW9S-9		9/18/2000	9								
PB1-6		7/24/2000	6								
RC10-10		11/13/2000	10								
RC11-15		12/7/2000	15								
RC12-15		12/7/2000	15								
RC1-7		7/25/2000	7								
RC2-7		7/25/2000	7								
RC3-5		7/25/2000	5								
RC3-5 DUP		7/25/2000	5								
RC4-10		9/18/2000	10								

Appendix G-1B
Soil Data for Sub-area 6B: GKN Facility
Boeing Tract 1, St. Louis, Missouri

Group											
Sample ID	Source	Date	Depth (ft bgs)	Iron	Magnesium	Manganese	Nickel	Potassium	Sodium	Vanadium	Zinc
RC5-9		9/18/2000	9								
RC6-20		9/18/2000	20								
RC6-7		9/18/2000	7								
RC7-16		9/18/2000	16								
RC8-25		9/18/2000	25								
RC8-8		9/18/2000	8								
RC9-4		11/13/2000	4								
RC9-8		11/13/2000	8								
S31B1 6_2-7		2/5/1998	6.2-7								
S31B1 8-8_5		2/5/1998	8-8.5								
S31B2 5_2-6		2/5/1998	5.2-6								
S31B2 7_5-8_5		2/5/1998	7.5-8.5								
S31B3 1_5-2_5		2/5/1998	1.5-2.5								
S31B3 6_5-8_5		2/5/1998	6.5-8.5								

Notes:
All concentrations in ug/kg (micrograms per kilogram)
< Less than detection limit shown
Blanks: Not analyzed
NA: Not available
ND: Not detected
ft bgs: Feet below ground surface
VOC: Volatile organic carbon
TPH: Total petroleum hydrocarbon
PAH: Polynuclear aromatic hydrocarbon
Lab qualifiers in Section 1.0

Appendix G-2B
Groundwater Data for Sub-area 6B: GKN Facility
Boeing Tract 1, St. Louis, Missouri

Sample ID	Date	Group	#6 Fuel Oil (C10-C32)	1,1-Dichloroethane	1,1-Dichloroethene	1,1,2-Trichloro-1,2,2-trifluoroethane	1,2,3-Trimethyl benzene	1,2,4-Trimethyl benzene	1,2-Dichlorobenzene	1,2-Dichloroethene (Total)	1,2-Dichloropropane	1,3-Dichlorobenzene	1,4-Dichlorobenzene	Acenaphthene	Acetone	Aroclor 1254
B22E1W	7/24/00	VOCs		< 1	< 1					< 1	< 1				< 10	
B22E1W	7/24/00	TPH														
B22E2W	7/25/00	VOCs		< 1	< 1					< 1	< 1				< 10	
B22E2W	7/25/00	TPH														
B22E2W	7/25/00	PAHs												< 5		
B22E2W	7/25/00	Metals														
B22E3W	7/25/00	VOCs		< 1	< 1					< 1	< 1				< 10	
B22E3W	7/25/00	TPH														
B22E3W	7/25/00	PCB														< 1
B22E3W	7/25/00	PAHs												< 5		
B22E3W	7/25/00	Metals														
B22N1W	7/24/00	VOCs		< 1	< 1					< 1	< 1				11	
B22N1W	7/24/00	TPH														
B22N1W	7/24/00	PCB														< 1
B22N1W	7/24/00	PAHs												43		
B22N1W	7/24/00	Metals														
B22W1W	7/24/00	VOCs		< 1	< 1					3.6	< 1				< 10	
B22W1W	7/24/00	TPH														
B22W1W	7/24/00	Metals														
B27W1W	9/18/00	VOCs		< 5	< 5						< 5				20	
B27W1W	9/18/00	Metals														
B27W2W	9/18/00	VOCs		< 5	< 5						< 5				B 21	
B27W2W	9/18/00	Metals														
B27W3DW	9/20/00	VOCs		< 5	< 5						< 5				< 20	
B27W3DW	8/16/02	VOCs		< 100	< 100			< 100	< 100		< 100	< 100	< 100		< 5000	
B27W3DW	12/16/02	VOCs		< 25	< 25			< 25	< 25		< 25	< 25	< 25		< 1200	
B27W3DW	3/21/03	VOCs		1.2	< 1			< 1	< 1		< 1	< 1	< 1		< 50	
B27W3DW	6/23/03	VOCs		< 1	< 1	< 1	< 1	< 1	< 1		< 1	< 1	< 1		< 50	
B27W3DW	9/20/00	Metals														
B27W3SW	9/19/00	VOCs		12	13						< 5				< 20	
B27W3SW	9/19/00	Pesticide														
B27W3SW	9/19/00	Metals														
B28E1W	7/26/00	VOCs		< 1	< 1					< 1	< 1				< 10	
B28E1W	7/26/00	TPH														
B28E1W	7/26/00	PCB														< 1
B28E1W	7/26/00	PAHs												< 5		
B28E1W	7/26/00	Metals														
B28MW1W	9/18/00	VOCs		< 5	< 5						< 5				B 22	
B28MW1W	1/10/01	VOCs		< 5	< 5			< 5	100	58	< 5	< 5	< 5		< 10	
B28MW1W	5/10/01	VOCs		< 2	< 2			< 2	FH 90		< 2	< 2	FH 11		< 100	
B28MW1W	7/24/01	VOCs		1.7	< 1			< 1	E 130		< 1	< 1	15		< 50	
B28MW1W	10/23/01	VOCs		2.3	< 1			< 1	E 200		< 1	< 1	23		< 50	
B28MW1W	3/6/02	VOCs		< 1	< 1			< 1	E 100		< 1	1.2	10		< 50	
B28MW1W	6/4/02	VOCs		< 5	< 5			< 5	FH 110		< 5	< 5	FH 14		< 250	
B28MW1W	8/15/02	VOCs		1.7	< 1			< 1	E 180		< 1	3.2	20		< 50	
B28MW1W	12/3/02	VOCs		1.8	< 1			1.7	140		< 1	2.3	18		< 50	
B28MW1W	3/17/03	VOCs		< 1	7.1			< 1	< 1		< 1	< 1	< 1		< 50	
B28MW1W	6/23/03	VOCs		1.6	< 1	< 1	< 1	< 1	120		< 1	< 1	15		< 50	
B28MW1W	10/23/01	TPH														

Sample ID	Date	Group	#6 Fuel Oil (C10-C32)	1,1-Dichloroethane	1,1-Dichloroethene	1,1,2-Trichloro-1,2,2-trifluoroethane	1,2,3-Trimethylbenzene	1,2,4-Trimethylbenzene	1,2-Dichlorobenzene	1,2-Dichloroethene (Total)	1,2-Dichloropropane	1,3-Dichlorobenzene	1,4-Dichlorobenzene	Acenaphthene	Acetone	Aroclor 1254
B28MW1W	6/23/03	Metals, Dissolved														
B28MW1W	9/18/00	Metals														
B28MW1W	1/10/01	Metals														
B28MW1W	5/10/01	Metals														
B28MW1W	7/24/01	Metals														
B28MW1W	10/23/01	Metals														
B28MW1W	6/23/03	Metals														
B28MW1W DUP	3/6/02	VOCs		< 1	< 1			< 1	E 94		< 1	1.2	9.7		< 50	
B28MW1W DUP	6/4/02	VOCs		< 5	< 5			< 5	FH 98		< 5	< 5	FH 11		< 250	
B28MW1W DUP	6/23/03	VOCs		1.6	< 1	< 1	< 1	< 1	120		< 1	< 1	15		< 50	
B28MW2W	9/18/00	VOCs		< 5	< 5						< 5				B 21	
B28MW2W	1/10/01	VOCs		< 5	< 5			< 5	< 5	< 5	< 5	< 5	< 5		< 10	
B28MW2W	5/10/01	VOCs		< 1	< 1			< 1	< 1		< 1	< 1	< 1		< 50	
B28MW2W	7/24/01	VOCs		< 1	< 1			< 1	< 1		< 1	< 1	< 1		< 50	
B28MW2W	10/23/01	VOCs		< 1	< 1			< 1	< 1		< 1	< 1	< 1		< 50	
B28MW2W	3/6/02	VOCs		< 1	< 1			< 1	< 1		< 1	< 1	< 1		< 50	
B28MW2W	5/31/02	VOCs		< 1	< 1			< 1	< 1		< 1	< 1	< 1		< 50	
B28MW2W	6/18/03	VOCs		< 1	< 1	J4 36	< 1	< 1	< 1		< 1	< 1	< 1		< 50	
B28MW2W	10/23/01	TPH														
B28MW2W	5/10/01	Metals, Dissolved														
B28MW2W	10/23/01	Metals, Dissolved														
B28MW2W	9/18/00	Metals														
B28MW2W	1/10/01	Metals														
B28MW2W	5/10/01	Metals														
B28MW2W	7/24/01	Metals														
B28MW2W	10/23/01	Metals														
B28MW3W	9/18/00	VOCs		< 5	< 5						< 5				B 21	
B28MW3W	5/10/01	VOCs		< 1	< 1			< 1	< 1		< 1	< 1	< 1		< 50	
B28MW3W	7/24/01	VOCs		< 1	< 1			< 1	< 1		< 1	< 1	< 1		< 50	
B28MW3W	10/23/01	VOCs		1.2	< 1			< 1	< 1		< 1	< 1	< 1		< 50	
B28MW3W	3/6/02	VOCs		< 1	< 1			< 1	< 1		< 1	< 1	< 1		< 50	
B28MW3W	5/31/02	VOCs		< 1	< 1			< 1	< 1		< 1	< 1	< 1		< 50	
B28MW3W	6/18/03	VOCs		< 1	< 1	< 1	< 1	< 1	< 1		< 1	< 1	< 1		< 50	
B28MW3W	10/23/01	TPH														
B28MW3W	3/6/02	Metals, Dissolved														
B28MW3W	5/31/02	Metals, Dissolved														
B28MW3W	6/18/03	Metals, Dissolved														
B28MW3W	9/18/00	Metals														
B28MW3W	5/10/01	Metals														
B28MW3W	7/24/01	Metals														
B28MW3W	10/23/01	Metals														
B28MW3W	3/6/02	Metals														
B28MW3W	5/31/02	Metals														
B28MW3W	6/18/03	Metals														
B28MW4W	3/21/03	VOCs		< 1	< 1			2.1	< 1		< 1	< 1	< 1		< 50	
B28MW4W	6/18/03	VOCs		< 1	< 1	EJ4 7000	3.1	2.7	< 1		< 1	< 1	< 1		< 50	
B28MW4W	3/21/03	TPH	< 100													
B28MW4W	6/18/03	TPH	< 100													
B28N1W	7/26/00	VOCs		< 50	< 50					1900	< 50				< 500	
B28N1W	7/26/00	TPH														
B28N1W	7/26/00	PCB														< 1
B28N1W	7/26/00	PAHs												< 5		

Appendix G-2B
Groundwater Data for Sub-area 6B: GKN Facility
Boeing Tract 1, St. Louis, Missouri

Sample ID	Date	Group	#6 Fuel Oil (C10-C32)	1,1-Dichloro ethane	1,1-Dichloro ethene	1,1,2-Trichloro-1,2,2-trifluoroethane	1,2,3-Trimethyl benzene	1,2,4-Trimethyl benzene	1,2-Dichloro benzene	1,2-Dichloro ethene (Total)	1,2-Dichloro propane	1,3-Dichloro benzene	1,4-Dichloro benzene	Acenaphthene	Acetone	Aroclor 1254
B28N1W	7/26/00	Metals														
CN1W	7/24/00	Cyanide														
HW1W	7/24/00	VOCs		< 12	J 0.71					D 180	< 12				< 120	
HW1W	7/25/00	VOCs														
HW1W	7/24/00	TPH														
HW1W	7/24/00	PCB														< 1
HW1W	7/25/00	PAHs												< 5		
HW1W	7/24/00	Metals														
HW1W	7/24/00	Cyanide														
MW3AW	6/18/02	VOCs		< 1	< 1			< 1	< 1		< 1	< 1	< 1		< 50	
MW3AW	7/18/02	VOCs		< 1	< 1			< 1	< 1		< 1	< 1	< 1		< 50	
MW3AW	8/15/02	VOCs		1.2	< 1			< 1	< 1		< 1	< 1	< 1		< 50	
MW3AW	9/23/02	VOCs		< 1	< 1			< 1	< 1		< 1	< 1	< 1		< 50	
MW3AW	10/15/02	VOCs		< 5	< 5			< 5	< 5		< 5	< 5	< 5		< 250	
MW3AW	11/22/02	VOCs		1.1	< 1			< 1	< 1		< 1	< 1	< 1		< 50	
MW3AW	12/16/02	VOCs		< 10	< 10			< 10	< 10		< 10	< 10	< 10		< 500	
MW3AW	1/20/03	VOCs		< 1	< 1			< 1	< 1		< 1	< 1	< 1		< 50	
MW3AW	2/20/03	VOCs		1.5	< 1			< 1	< 1		< 1	< 1	< 1		< 50	
MW3AW	3/17/03	VOCs		< 1	1			< 1	< 1		< 1	< 1	< 1		< 50	
MW3AW	4/17/03	VOCs		< 1	< 1			< 1	< 1		< 1	< 1	< 1		< 50	
MW3AW	5/19/03	VOCs		1.4	< 1			< 1	< 1		< 1	< 1	< 1		< 50	
MW3AW	6/18/03	VOCs		< 1	1.2	< 1	< 1	< 1	< 1		< 1	< 1	< 1		< 50	
MW3AW	6/18/02	Metals, Dissolved														
MW3AW	6/18/02	Metals														
MW3BW	6/18/02	VOCs		< 1	< 1			< 1	< 1		< 1	< 1	< 1		< 50	
MW3BW	7/18/02	VOCs		< 1	< 1			< 1	< 1		1.9	< 1	< 1		< 50	
MW3BW	8/15/02	VOCs		< 2	< 2			< 2	< 2		< 2	< 2	< 2		< 100	
MW3BW	9/19/02	VOCs		< 1	< 1			< 1	< 1		< 1	< 1	< 1		< 50	
MW3BW	10/15/02	VOCs		< 1	< 1			< 1	< 1		< 1	< 1	< 1		< 50	
MW3BW	11/22/02	VOCs		< 1	< 1			< 1	< 1		< 1	< 1	< 1		< 50	
MW3BW	12/16/02	VOCs		< 1	< 1			< 1	< 1		< 1	< 1	< 1		< 50	
MW3BW	1/20/03	VOCs		< 1	< 1			< 1	< 1		< 1	< 1	< 1		< 50	
MW3BW	2/20/03	VOCs		< 1	< 1			< 1	< 1		< 1	< 1	< 1		< 50	
MW3BW	3/17/03	VOCs		< 1	< 1			< 1	< 1		< 1	< 1	< 1		< 50	
MW3BW	4/17/03	VOCs		< 1	< 1			< 1	< 1		< 1	< 1	< 1		< 50	
MW3BW	5/19/03	VOCs		< 1	< 1			< 1	< 1		< 1	< 1	< 1		< 50	
MW3BW	6/18/03	VOCs		< 1	< 1	< 1	< 1	< 1	< 1		< 1	< 1	< 1		< 50	
MW3BW	6/18/02	Metals, Dissolved														
MW3BW	6/18/02	Metals														
MW3W	7/28/00	VOCs		3.4	7.1					D 2100	< 1				< 10	
MW3W	1/10/01	VOCs		< 5	22			< 5	< 5	6200	< 5	< 5	< 5		< 10	
MW3W	5/9/01	VOCs		< 100	< 100			< 100	< 100		< 100	< 100	< 100		< 5000	
MW3W	7/24/01	VOCs		< 1	14			< 1	< 1		< 1	< 1	< 1		< 50	
MW3W	10/25/01	VOCs		< 25	F 26			< 25	< 25		< 25	< 25	< 25		< 1200	
MW3W	3/6/02	VOCs		< 1	14			< 1	< 1		< 1	< 1	< 1		< 50	
MW3W	6/19/02	VOCs		< 100	< 100			< 100	< 100		< 100	< 100	< 100		< 5000	
MW3W	7/18/02	VOCs		< 50	< 50			< 50	< 50		< 50	< 50	< 50		< 2500	
MW3W	8/15/02	VOCs		< 50	< 50			< 50	< 50		< 50	< 50	< 50		< 2500	
MW3W	9/23/02	VOCs		< 1	4.9			< 1	< 1		< 1	< 1	< 1		< 50	
MW3W	10/15/02	VOCs		< 5	< 5			< 5	< 5		< 5	< 5	< 5		< 250	
MW3W	11/22/02	VOCs		< 25	< 25			< 25	< 25		< 25	< 25	< 25		< 1200	
MW3W	12/16/02	VOCs		< 5	< 5			< 5	< 5		< 5	< 5	< 5		< 250	

Appendix G-2B
Groundwater Data for Sub-area 6B: GKN Facility
Boeing Tract 1, St. Louis, Missouri

Sample ID	Date	Group	#6 Fuel Oil (C10-C32)	1,1-Dichloro ethane	1,1-Dichloro ethene	1,1,2-Trichloro-1,2,2-trifluoroethane	1,2,3-Trimethyl benzene	1,2,4-Trimethyl benzene	1,2-Dichloro benzene	1,2-Dichloro ethene (Total)	1,2-Dichloro propane	1,3-Dichloro benzene	1,4-Dichloro benzene	Acenaphthene	Acetone	Aroclor 1254
MW3W	1/20/03	VOCs		2.2	J4 4.5			< 1	< 1		< 1	< 1	< 1		< 50	
MW3W	2/20/03	VOCs		5.6	7.3			< 1	< 1		< 1	< 1	< 1		< 50	
MW3W	3/17/03	VOCs		4.8	6.9			< 1	< 1		< 1	< 1	< 1		< 50	
MW3W	4/17/03	VOCs		< 50	< 50			< 50	< 50		< 50	< 50	< 50		< 2500	
MW3W	5/19/03	VOCs		5.9	J4 9.5			< 5	< 5		< 5	< 5	< 5		< 250	
MW3W	6/18/03	VOCs		< 1	12	J4 3.4	< 1	< 1	< 1		< 1	< 1	< 1		< 50	
MW3W	7/28/00	TPH														
MW3W	7/28/00	PCB														< 1
MW3W	5/9/01	PCB														< 0.5
MW3W	7/24/01	PCB														< 0.5
MW3W	10/25/01	PCB														< 0.5
MW3W	7/28/00	PAHs												< 5		
MW3W	5/9/01	Metals, Dissolved														
MW3W	10/25/01	Metals, Dissolved														
MW3W	6/19/02	Metals, Dissolved														
MW3W	7/28/00	Metals														
MW3W	1/10/01	Metals														
MW3W	5/9/01	Metals														
MW3W	7/24/01	Metals														
MW3W	10/25/01	Metals														
MW3W	6/19/02	Metals														
MW3W	7/28/00	Cyanide														
MW3W DUP	7/28/00	VOCs		3.5	6.9					D 5900	< 1				< 10	
MW3W DUP	5/9/01	VOCs		< 100	< 100			< 100	< 100		< 100	< 100	< 100		< 5000	
MW3W DUP	7/24/01	VOCs		< 1	14			< 1	< 1		< 1	< 1	< 1		< 50	
MW3W DUP	10/25/01	VOCs		< 25	< 25			< 25	< 25		< 25	< 25	< 25		< 1200	
MW3W DUP	3/6/02	VOCs		< 1	10			< 1	< 1		< 1	< 1	< 1		< 50	
MW3W DUP	8/15/02	VOCs		< 50	< 50			< 50	< 50		< 50	< 50	< 50		< 2500	
MW3W DUP	7/28/00	TPH														
MW3W DUP	7/28/00	PCB														< 1
MW3W DUP	5/9/01	PCB														< 0.5
MW3W DUP	7/24/01	PCB														< 0.5
MW3W DUP	10/25/01	PCB														< 0.5
MW3W DUP	7/28/00	PAHs												< 5		
MW3W DUP	5/9/01	Metals, Dissolved														
MW3W DUP	10/25/01	Metals, Dissolved														
MW3W DUP	7/28/00	Metals														
MW3W DUP	5/9/01	Metals														
MW3W DUP	7/24/01	Metals														
MW3W DUP	10/25/01	Metals														
MW3W DUP	7/28/00	Cyanide														
MW7W	7/28/00	VOCs		< 1	< 1					J 0.49	< 1				< 10	
MW7W	1/9/01	VOCs		< 5	< 5			< 5	< 5	< 5	< 5	< 5	< 5		< 10	
MW7W	5/9/01	VOCs		< 1	< 1			< 1	< 1		< 1	< 1	< 1		< 50	
MW7W	7/23/01	VOCs		< 1	< 1			< 1	< 1		< 1	< 1	< 1		< 50	
MW7W	10/23/01	VOCs		< 1	< 1			< 1	< 1		< 1	< 1	< 1		< 50	
MW7W	3/11/02	VOCs		< 1	< 1			< 1	< 1		< 1	< 1	< 1		< 50	
MW7W	5/31/02	VOCs		< 1	< 1			< 1	< 1		< 1	< 1	< 1		< 50	
MW7W	8/16/02	VOCs		< 1	< 1			< 1	< 1		< 1	< 1	< 1		< 50	
MW7W	12/11/02	VOCs		< 1	< 1			< 1	< 1		< 1	< 1	< 1		< 50	
MW7W	3/14/03	VOCs		< 1	< 1			< 1	< 1		< 1	< 1	< 1		< 50	
MW7W	6/18/03	VOCs		< 1	< 1	< 1	< 1	< 1	< 1		< 1	< 1	< 1		< 50	

Sample ID	Date	Group	#6 Fuel Oil (C10-C32)	1,1-Dichloro ethane	1,1-Dichloro ethene	1,1,2-Trichloro-1,2,2-trifluoroethane	1,2,3-Trimethyl benzene	1,2,4-Trimethyl benzene	1,2-Dichloro benzene	1,2-Dichloro ethene (Total)	1,2-Dichloro propane	1,3-Dichloro benzene	1,4-Dichloro benzene	Acenaphthene	Acetone	Aroclor 1254
MW7W	7/28/00	TPH														
MW7W	7/28/00	PCB														< 1.2
MW7W	7/28/00	PAHs												< 5		
MW7W	1/9/01	Metals, Dissolved														
MW7W	5/9/01	Metals, Dissolved														
MW7W	10/23/01	Metals, Dissolved														
MW7W	7/28/00	Metals														
MW7W	1/9/01	Metals														
MW7W	5/9/01	Metals														
MW7W	7/23/01	Metals														
MW7W	10/23/01	Metals														
MW7W	7/28/00	Cyanide														
MW7W DUP	12/11/02	VOCs		< 1	< 1			< 1	< 1		< 1	< 1	< 1		< 50	
MW9DW	9/28/00	VOCs		< 5	< 5						< 5				< 20	
MW9DW	1/12/01	VOCs		< 5	< 5			< 5	< 5	< 5	< 5	< 5	< 5		< 10	
MW9DW	5/8/01	VOCs		< 1	< 1			< 1	< 1		< 1	< 1	< 1		< 50	
MW9DW	7/23/01	VOCs		< 1	< 1			< 1	< 1		< 1	< 1	< 1		< 50	
MW9DW	10/23/01	VOCs		< 1	< 1			< 1	< 1		< 1	< 1	< 1		< 50	
MW9DW	3/7/02	VOCs		< 1	< 1			< 1	< 1		< 1	< 1	< 1		< 50	
MW9DW	5/29/02	VOCs		< 1	< 1			< 1	< 1		< 1	< 1	< 1		< 50	
MW9DW	8/12/02	VOCs		< 1	< 1			< 1	< 1		< 1	< 1	< 1		< 50	
MW9DW	12/11/02	VOCs		< 1	< 1			< 1	< 1		< 1	< 1	< 1		< 50	
MW9DW	3/14/03	VOCs		< 1	< 1			< 1	< 1		< 1	< 1	< 1		< 50	
MW9DW	6/23/03	VOCs		< 1	< 1	< 1	< 1	< 1	< 1		< 1	< 1	< 1		< 50	
MW9DW	1/12/01	Metals, Dissolved														
MW9DW	9/28/00	Metals														
MW9DW	1/12/01	Metals														
MW9DW	5/8/01	Metals														
MW9DW	7/23/01	Metals														
MW9DW	10/23/01	Metals														
MW9DW DUP	1/12/01	VOCs		< 5	< 5			< 5	< 5	< 5	< 5	< 5	< 5		< 10	
MW9DW DUP	12/11/02	VOCs		< 1	< 1			< 1	< 1		< 1	< 1	< 1		< 50	
MW9DW DUP	1/12/01	Metals, Dissolved														
MW9DW DUP	1/12/01	Metals														
MW9SW	9/28/00	VOCs		< 5	< 5						< 5				< 20	
MW9SW	1/8/01	VOCs		< 5	< 5			< 5	< 5	< 5	< 5	< 5	< 5		< 10	
MW9SW	5/8/01	VOCs		< 1	< 1			< 1	< 1		< 1	< 1	< 1		< 50	
MW9SW	7/23/01	VOCs		< 1	< 1			< 1	< 1		< 1	< 1	< 1		< 50	
MW9SW	10/23/01	VOCs		< 1	< 1			< 1	< 1		< 1	< 1	< 1		< 50	
MW9SW	3/7/02	VOCs		< 1	< 1			< 1	< 1		< 1	< 1	< 1		< 50	
MW9SW	6/4/02	VOCs		< 1	< 1			< 1	< 1		< 1	< 1	< 1		< 50	
MW9SW	8/12/02	VOCs		< 1	< 1			< 1	< 1		< 1	< 1	< 1		< 50	
MW9SW	12/3/02	VOCs		< 1	< 1			< 1	< 1		< 1	< 1	< 1		< 50	
MW9SW	3/20/03	VOCs		< 1	< 1			< 1	< 1		< 1	< 1	< 1		< 50	
MW9SW	6/23/03	VOCs		< 1	< 1	< 1	< 1	< 1	< 1		< 1	< 1	< 1		< 50	
MW9SW	7/23/01	PCB														< 0.5
MW9SW	10/23/01	PCB														< 0.5
MW9SW	1/8/01	Metals, Dissolved														
MW9SW	5/8/01	Metals, Dissolved														
MW9SW	10/23/01	Metals, Dissolved														
MW9SW	3/7/02	Metals, Dissolved														
MW9SW	6/4/02	Metals, Dissolved														

Appendix G-2B
Groundwater Data for Sub-area 6B: GKN Facility
Boeing Tract 1, St. Louis, Missouri

Sample ID	Date	Group	#6 Fuel Oil (C10-C32)	1,1-Dichloro ethane	1,1-Dichloro ethene	1,1,2-Trichloro-1,2,2-trifluoroethane	1,2,3-Trimethyl benzene	1,2,4-Trimethyl benzene	1,2-Dichloro benzene	1,2-Dichloro ethene (Total)	1,2-Dichloro propane	1,3-Dichloro benzene	1,4-Dichloro benzene	Acenaphthene	Acetone	Aroclor 1254
MW9SW	8/12/02	Metals, Dissolved														
MW9SW	12/3/02	Metals, Dissolved														
MW9SW	3/20/03	Metals, Dissolved														
MW9SW	6/23/03	Metals, Dissolved														
MW9SW	9/28/00	Metals														
MW9SW	1/8/01	Metals														
MW9SW	5/8/01	Metals														
MW9SW	7/23/01	Metals														
MW9SW	10/23/01	Metals														
MW9SW	3/7/02	Metals														
MW9SW	6/4/02	Metals														
MW9SW	8/12/02	Metals														
MW9SW	12/3/02	Metals														
MW9SW	3/20/03	Metals														
MW9SW	6/23/03	Metals														
PB1W	7/24/00	TPH														< 1
PB1W	7/24/00	PCB														
RC10W	11/14/00	VOCs		< 5	< 5						< 5				< 20	
RC10W	11/14/00	Metals														
RC11W	12/7/00	VOCs		< 5	< 5			< 5	< 5	< 5	< 5	< 5	< 5		< 10	
RC12W	12/7/00	VOCs		< 5	< 5			< 5	< 5	< 5	< 5	< 5	< 5		< 10	
RC1W	7/25/00	VOCs		J 3.8	< 10					120	< 10				< 100	
RC1W	7/25/00	TPH														
RC1W	7/25/00	PCB														11
RC1W	7/25/00	PAHs												< 5		
RC1W	7/25/00	Metals														
RC1W	7/25/00	Cyanide														
RC2W	7/25/00	VOCs		17	< 1					D 34	< 1				J 7.1	
RC2W	7/25/00	TPH														
RC2W-2004	4/29/04	TPH														
RC2W	7/25/00	PCB														580
RC2W	7/25/00	PAHs												< 50		
RC2W	7/25/00	Metals														
RC2W	7/25/00	Cyanide														
RC3W	7/25/00	VOCs		< 1	J 0.28					D 200	< 1				< 10	
RC3W	7/25/00	TPH														
RC3W	7/25/00	PCB														< 1
RC3W	7/25/00	PAHs												< 5		
RC3W	7/25/00	Metals														
RC3W	7/25/00	Cyanide														
RC3W DUP	7/25/00	VOCs		< 1	J 0.34					D 250	< 1				< 10	
RC3W DUP	7/25/00	TPH														
RC3W DUP	7/25/00	PCB														< 1
RC3W DUP	7/25/00	PAHs												< 5		
RC3W DUP	7/25/00	Metals														
RC3W DUP	7/25/00	Cyanide														
RC4W	9/19/00	VOCs		< 5	< 5						< 5				< 20	
RC4W	9/19/00	Metals														
RC5W	9/18/00	VOCs		< 5	< 5						< 5				< 20	
RC5W	9/18/00	Metals														
RC6DW	9/19/00	VOCs		< 5	< 5						< 5				B 44	
RC6DW	8/15/02	VOCs		1	< 1			< 1	< 1		< 1	< 1	< 1		< 50	
RC6DW	12/16/02	VOCs		< 1	< 1			< 1	< 1		< 1	< 1	< 1		< 50	

Appendix G-2B
Groundwater Data for Sub-area 6B: GKN Facility
Boeing Tract 1, St. Louis, Missouri

Sample ID	Date	Group	#6 Fuel Oil (C10-C32)	1,1-Dichloro ethane	1,1-Dichloro ethene	1,1,2-Trichloro-1,2,2-trifluoroethane	1,2,3-Trimethyl benzene	1,2,4-Trimethyl benzene	1,2-Dichloro benzene	1,2-Dichloro ethene (Total)	1,2-Dichloro propane	1,3-Dichloro benzene	1,4-Dichloro benzene	Acenaphthene	Acetone	Aroclor 1254
RC6DW	3/21/03	VOCs		1.5	< 1			< 1	< 1		< 1	< 1	< 1		< 50	
RC6DW	6/23/03	VOCs		1.1	< 1	< 1	< 1	< 1	< 1		< 1	< 1	< 1		< 50	
RC6DW	9/19/00	Metals														
RC6SW	9/18/00	VOCs		< 5	< 5						< 5				B 21	
RC6SW	9/18/00	Metals														
RC7W	9/18/00	VOCs		< 5	< 5						< 5				B 23	
RC7W	9/18/00	Metals														
RC8DW	9/19/00	VOCs		< 5	< 5						< 5				< 20	
RC8DW	8/15/02	VOCs		< 1	< 1			< 1	< 1		< 1	< 1	< 1		< 50	
RC8DW	12/16/02	VOCs		< 1	< 1			< 1	< 1		< 1	< 1	< 1		< 50	
RC8DW	3/21/03	VOCs		< 1	< 1			< 1	< 1		< 1	< 1	< 1		< 50	
RC8DW	6/24/03	VOCs		< 1	< 1	< 1	< 1	< 1	< 1		< 1	< 1	< 1		< 50	
RC8DW	9/19/00	Metals, Dissolved														
RC8SW	9/19/00	VOCs		< 250	< 250						< 250				< 1000	
RC8SW	9/19/00	Metals														
RC9W	11/15/00	VOCs		< 5	< 5						< 5				74	
RC9W	11/15/00	PCB														< 1
RC9W	11/15/00	Metals, Dissolved														
RC9W	11/15/00	Metals														
RR5W	9/20/00	Metals, Dissolved														
RR5W	9/20/00	Metals														

Notes:
All concentrations in ug/L (micrograms per liter)
< Less than detection limit shown
Blanks: Not analyzed
VOC: Volatile organic carbon
TPH: Total petroleum hydrocarbon
PAH: Polynuclear aromatic hydrocarbon
PCB: Polychlorinated byphenol
Lab qualifiers in Section 1.0

Appendix G-2B
Groundwater Data for Sub-area 6B: GKN Facility
Boeing Tract 1, St. Louis, Missouri

Sample ID	Date	Group	Aroclor 1254, Dissolved	Arsenic	Arsenic, Dissolved	Barium	Barium, Dissolved	Benzene	Benzo(a) anthracene	Bromo dichloro methane	Bromo methane	Cadmium	Cadmium, Dissolved	Carbon disulfide	Chloroethane	Chloroform
B22E1W	7/24/00	VOCs						< 1		< 1	< 2			< 1	< 2	< 1
B22E1W	7/24/00	TPH														
B22E2W	7/25/00	VOCs						< 1		< 1	< 2			< 1	< 2	< 1
B22E2W	7/25/00	TPH														
B22E2W	7/25/00	PAHs							< 5							
B22E2W	7/25/00	Metals		577		57000						< 5				
B22E3W	7/25/00	VOCs						< 1		< 1	< 2			< 1	< 2	< 1
B22E3W	7/25/00	TPH														
B22E3W	7/25/00	PCB														
B22E3W	7/25/00	PAHs							< 5							
B22E3W	7/25/00	Metals		453		13100						< 5				
B22N1W	7/24/00	VOCs						< 1		< 1	< 2			J 0.51	< 2	< 1
B22N1W	7/24/00	TPH														
B22N1W	7/24/00	PCB														
B22N1W	7/24/00	PAHs							< 5							
B22N1W	7/24/00	Metals		70.9		5770						14.9				
B22W1W	7/24/00	VOCs						< 1		< 1	< 2			< 1	< 2	< 1
B22W1W	7/24/00	TPH														
B22W1W	7/24/00	Metals		47.5		23400						23.4				
B27W1W	9/18/00	VOCs						< 5		< 5	< 10			< 5	< 10	< 5
B27W1W	9/18/00	Metals		27.6		397						< 5000				
B27W2W	9/18/00	VOCs						< 5		< 5	< 10			< 5	< 10	< 5
B27W2W	9/18/00	Metals		84.2		7660						< 5000				
B27W3DW	9/20/00	VOCs						< 5		< 5	< 10			< 5	< 10	< 5
B27W3DW	8/16/02	VOCs						< 100		< 100	< 100				< 100	< 500
B27W3DW	12/16/02	VOCs						< 25		< 25	< 25				< 25	< 120
B27W3DW	3/21/03	VOCs						< 1		< 1	< 1				< 1	< 5
B27W3DW	6/23/03	VOCs						< 1		< 1	< 1				< 1	< 5
B27W3DW	9/20/00	Metals		< 10		553						< 5000				
B27W3SW	9/19/00	VOCs						7.3		< 5	< 10			< 5	< 10	< 5
B27W3SW	9/19/00	Pesticide														
B27W3SW	9/19/00	Metals		109		2070						< 5000				
B28E1W	7/26/00	VOCs						< 1		< 1	< 2			< 1	< 2	< 1
B28E1W	7/26/00	TPH														
B28E1W	7/26/00	PCB														
B28E1W	7/26/00	PAHs							< 5							
B28E1W	7/26/00	Metals		82.8		1620						< 5				
B28MW1W	9/18/00	VOCs						< 5		< 5	< 10			< 5	< 10	8.4
B28MW1W	1/10/01	VOCs						< 5		< 5	< 10			< 5	< 10	8
B28MW1W	5/10/01	VOCs						< 2		< 2	< 2				< 2	< 10
B28MW1W	7/24/01	VOCs						1.3		< 1	< 1				< 1	9.1
B28MW1W	10/23/01	VOCs						< 1		< 1	< 1				< 1	11
B28MW1W	3/6/02	VOCs						< 1		< 1	< 1				< 1	< 5
B28MW1W	6/4/02	VOCs						< 5		< 5	< 5				< 5	< 25
B28MW1W	8/15/02	VOCs						< 1		< 1	< 1				< 1	5.4
B28MW1W	12/3/02	VOCs						< 1		< 1	< 1				< 1	6.7
B28MW1W	3/17/03	VOCs						< 1		< 1	< 1				< 1	< 5
B28MW1W	6/23/03	VOCs						< 1		< 1	< 1				< 1	< 5
B28MW1W	10/23/01	TPH														

Sample ID	Date	Group	Aroclor 1254, Dissolved	Arsenic	Arsenic, Dissolved	Barium	Barium, Dissolved	Benzene	Benzo(a) anthracene	Bromo dichloro methane	Bromo methane	Cadmium	Cadmium, Dissolved	Carbon disulfide	Chloroethane	Chloroform
B28MW1W	6/23/03	Metals, Dissolved			< 10		680						< 5			
B28MW1W	9/18/00	Metals		25.9		1020						< 5000				
B28MW1W	1/10/01	Metals		< 50		380						< 10				
B28MW1W	5/10/01	Metals		39		920						8.3				
B28MW1W	7/24/01	Metals		11		690						2				
B28MW1W	10/23/01	Metals		< 5		650						< 2				
B28MW1W	6/23/03	Metals		< 10		720						< 5				
B28MW1W DUP	3/6/02	VOCs						< 1		1.8	< 1				< 1	< 5
B28MW1W DUP	6/4/02	VOCs						< 5		< 5	< 5				< 5	< 25
B28MW1W DUP	6/23/03	VOCs						< 1		< 1	< 1				< 1	< 5
B28MW2W	9/18/00	VOCs						< 5		< 5	< 10			< 5	< 10	< 5
B28MW2W	1/10/01	VOCs						< 5		< 5	< 10			< 5	< 10	< 5
B28MW2W	5/10/01	VOCs						< 1		< 1	< 1				< 1	< 5
B28MW2W	7/24/01	VOCs						< 1		< 1	< 1				< 1	< 5
B28MW2W	10/23/01	VOCs						< 1		< 1	< 1				< 1	< 5
B28MW2W	3/6/02	VOCs						< 1		< 1	23				< 1	< 5
B28MW2W	5/31/02	VOCs						< 1		< 1	< 1				< 1	< 5
B28MW2W	6/18/03	VOCs						< 1		< 1	< 1				< 1	< 5
B28MW2W	10/23/01	TPH														
B28MW2W	5/10/01	Metals, Dissolved			< 5		240						< 2			
B28MW2W	10/23/01	Metals, Dissolved			< 5		210						< 2			
B28MW2W	9/18/00	Metals		88.9		794						< 5000				
B28MW2W	1/10/01	Metals		< 50		400						10				
B28MW2W	5/10/01	Metals		54		540						25				
B28MW2W	7/24/01	Metals		42		390						9.3				
B28MW2W	10/23/01	Metals		26		380						< 2				
B28MW3W	9/18/00	VOCs						< 5		< 5	< 10			< 5	< 10	< 5
B28MW3W	5/10/01	VOCs						< 1		< 1	< 1				< 1	< 5
B28MW3W	7/24/01	VOCs						< 1		< 1	< 1				< 1	< 5
B28MW3W	10/23/01	VOCs						< 1		< 1	< 1				< 1	< 5
B28MW3W	3/6/02	VOCs						< 1		< 1	< 1				< 1	< 5
B28MW3W	5/31/02	VOCs						< 1		< 1	< 1				< 1	< 5
B28MW3W	6/18/03	VOCs						< 1		< 1	< 1				< 1	< 5
B28MW3W	10/23/01	TPH														
B28MW3W	3/6/02	Metals, Dissolved			< 10		J4 1500						< 5			
B28MW3W	5/31/02	Metals, Dissolved			< 10		1300						< 5			
B28MW3W	6/18/03	Metals, Dissolved			< 10		1200						< 5			
B28MW3W	9/18/00	Metals		43		623						< 5000				
B28MW3W	5/10/01	Metals		27		3300						42				
B28MW3W	7/24/01	Metals		30		2700						18				
B28MW3W	10/23/01	Metals		39		3100						13				
B28MW3W	3/6/02	Metals		< 10		J4 1900						J4 6.2				
B28MW3W	5/31/02	Metals		41		2500						12				
B28MW3W	6/18/03	Metals		< 10		1300						< 5				
B28MW4W	3/21/03	VOCs						E 140		< 1	< 1				< 1	< 5
B28MW4W	6/18/03	VOCs						150		< 1	< 1				< 1	< 5
B28MW4W	3/21/03	TPH														
B28MW4W	6/18/03	TPH														
B28N1W	7/26/00	VOCs						J 44		< 50	< 100			< 50	< 100	< 50
B28N1W	7/26/00	TPH														
B28N1W	7/26/00	PCB														
B28N1W	7/26/00	PAHs							< 5							

Sample ID	Date	Group	Aroclor 1254, Dissolved	Arsenic	Arsenic, Dissolved	Barium	Barium, Dissolved	Benzene	Benzo(a) anthracene	Bromo dichloro methane	Bromo methane	Cadmium	Cadmium, Dissolved	Carbon disulfide	Chloroethane	Chloroform
B28N1W	7/26/00	Metals		23.2		637						< 5				
CN1W	7/24/00	Cyanide														
HW1W	7/24/00	VOCs						< 12		< 12	< 25			< 12	< 25	< 12
HW1W	7/25/00	VOCs														
HW1W	7/24/00	TPH														
HW1W	7/24/00	PCB														
HW1W	7/25/00	PAHs							< 5							
HW1W	7/24/00	Metals		499		19000						< 5				
HW1W	7/24/00	Cyanide														
MW3AW	6/18/02	VOCs						< 1		< 1	< 1				< 1	< 5
MW3AW	7/18/02	VOCs						< 1		< 1	< 1				< 1	< 5
MW3AW	8/15/02	VOCs						< 1		< 1	< 1				< 1	< 5
MW3AW	9/23/02	VOCs						< 1		< 1	< 1				< 1	< 5
MW3AW	10/15/02	VOCs						< 5		< 5	< 5				< 5	< 25
MW3AW	11/22/02	VOCs						< 1		< 1	< 1				< 1	< 5
MW3AW	12/16/02	VOCs						< 10		< 10	< 10				< 10	< 50
MW3AW	1/20/03	VOCs						< 1		< 1	< 1				< 1	< 5
MW3AW	2/20/03	VOCs						< 1		< 1	< 1				< 1	< 5
MW3AW	3/17/03	VOCs						< 1		< 1	< 1				< 1	< 5
MW3AW	4/17/03	VOCs						< 1		< 1	< 1				< 1	< 5
MW3AW	5/19/03	VOCs						< 1		< 1	< 1				< 1	< 5
MW3AW	6/18/03	VOCs						< 1		< 1	< 1				< 1	< 5
MW3AW	6/18/02	Metals, Dissolved														
MW3AW	6/18/02	Metals														
MW3BW	6/18/02	VOCs						< 1		< 1	< 1				< 1	< 5
MW3BW	7/18/02	VOCs						< 1		< 1	< 1				< 1	< 5
MW3BW	8/15/02	VOCs						< 2		< 2	< 2				< 2	< 10
MW3BW	9/19/02	VOCs						< 1		< 1	< 1				< 1	< 5
MW3BW	10/15/02	VOCs						< 1		< 1	< 1				< 1	< 5
MW3BW	11/22/02	VOCs						< 1		< 1	< 1				< 1	< 5
MW3BW	12/16/02	VOCs						< 1		< 1	< 1				< 1	< 5
MW3BW	1/20/03	VOCs						< 1		< 1	< 1				< 1	< 5
MW3BW	2/20/03	VOCs						< 1		< 1	< 1				< 1	< 5
MW3BW	3/17/03	VOCs						< 1		< 1	< 1				< 1	< 5
MW3BW	4/17/03	VOCs						< 1		< 1	< 1				< 1	< 5
MW3BW	5/19/03	VOCs						< 1		< 1	< 1				< 1	< 5
MW3BW	6/18/03	VOCs						< 1		< 1	< 1				< 1	< 5
MW3BW	6/18/02	Metals, Dissolved														
MW3BW	6/18/02	Metals														
MW3W	7/28/00	VOCs						< 1		< 1	< 2			J 0.37	< 2	< 1
MW3W	1/10/01	VOCs						< 5		< 5	< 10			< 5	< 10	< 5
MW3W	5/9/01	VOCs						< 100		< 100	< 100				< 100	< 500
MW3W	7/24/01	VOCs						< 1		< 1	< 1				< 1	< 5
MW3W	10/25/01	VOCs						< 25		< 25	< 25				< 25	< 120
MW3W	3/6/02	VOCs						< 1		< 1	< 1				< 1	< 5
MW3W	6/19/02	VOCs						< 100		< 100	< 100				< 100	< 500
MW3W	7/18/02	VOCs						< 50		< 50	< 50				< 50	< 250
MW3W	8/15/02	VOCs						< 50		< 50	< 50				< 50	< 250
MW3W	9/23/02	VOCs						< 1		< 1	< 1				< 1	< 5
MW3W	10/15/02	VOCs						< 5		< 5	< 5				< 5	< 25
MW3W	11/22/02	VOCs						< 25		< 25	< 25				< 25	< 120
MW3W	12/16/02	VOCs						< 5		< 5	< 5				< 5	< 25

Appendix G-2B
Groundwater Data for Sub-area 6B: GKN Facility
Boeing Tract 1, St. Louis, Missouri

Sample ID	Date	Group	Aroclor 1254, Dissolved	Arsenic	Arsenic, Dissolved	Barium	Barium, Dissolved	Benzene	Benzo(a) anthracene	Bromo dichloro methane	Bromo methane	Cadmium	Cadmium, Dissolved	Carbon disulfide	Chloroethane	Chloroform
MW3W	1/20/03	VOCs						< 1		< 1	< 1				< 1	< 5
MW3W	2/20/03	VOCs						< 1		< 1	< 1				< 1	< 5
MW3W	3/17/03	VOCs						< 1		< 1	< 1				< 1	< 5
MW3W	4/17/03	VOCs						< 50		< 50	< 50				< 50	< 250
MW3W	5/19/03	VOCs						< 5		< 5	< 5				< 5	< 25
MW3W	6/18/03	VOCs						< 1		< 1	< 1				< 1	< 5
MW3W	7/28/00	TPH														
MW3W	7/28/00	PCB														
MW3W	5/9/01	PCB														
MW3W	7/24/01	PCB														
MW3W	10/25/01	PCB														
MW3W	7/28/00	PAHs							< 5							
MW3W	5/9/01	Metals, Dissolved			< 5		490						< 2			
MW3W	10/25/01	Metals, Dissolved			< 5		460						< 2			
MW3W	6/19/02	Metals, Dissolved														
MW3W	7/28/00	Metals		18.7		827						< 5				
MW3W	1/10/01	Metals		< 50		420						< 10				
MW3W	5/9/01	Metals		< 5		520						< 2				
MW3W	7/24/01	Metals		16		470						< 2				
MW3W	10/25/01	Metals		< 5		510						< 2				
MW3W	6/19/02	Metals														
MW3W	7/28/00	Cyanide														
MW3W DUP	7/28/00	VOCs						< 1		< 1	< 2			J 0.4	< 2	< 1
MW3W DUP	5/9/01	VOCs						< 100		< 100	< 100				< 100	< 500
MW3W DUP	7/24/01	VOCs						< 1		< 1	< 1				< 1	< 5
MW3W DUP	10/25/01	VOCs						< 25		< 25	< 25				< 25	< 120
MW3W DUP	3/6/02	VOCs						< 1		< 1	< 1				< 1	< 5
MW3W DUP	8/15/02	VOCs						< 50		< 50	< 50				< 50	< 250
MW3W DUP	7/28/00	TPH														
MW3W DUP	7/28/00	PCB														
MW3W DUP	5/9/01	PCB														
MW3W DUP	7/24/01	PCB														
MW3W DUP	10/25/01	PCB														
MW3W DUP	7/28/00	PAHs							< 5							
MW3W DUP	5/9/01	Metals, Dissolved			< 5		520						< 2			
MW3W DUP	10/25/01	Metals, Dissolved			< 5		460						< 2			
MW3W DUP	7/28/00	Metals		43.7		1310						< 5				
MW3W DUP	5/9/01	Metals		< 5		490						< 2				
MW3W DUP	7/24/01	Metals		15		480						< 2				
MW3W DUP	10/25/01	Metals		< 5		510						< 2				
MW3W DUP	7/28/00	Cyanide														
MW7W	7/28/00	VOCs						< 1		< 1	< 2			< 1	< 2	< 1
MW7W	1/9/01	VOCs						< 5		< 5	< 10			< 5	< 10	< 5
MW7W	5/9/01	VOCs						< 1		< 1	< 1				< 1	< 5
MW7W	7/23/01	VOCs						< 1		< 1	< 1				< 1	< 5
MW7W	10/23/01	VOCs						< 1		< 1	< 1				< 1	< 5
MW7W	3/11/02	VOCs						< 1		< 1	< 1				< 1	< 5
MW7W	5/31/02	VOCs						< 1		< 1	< 1				< 1	< 5
MW7W	8/16/02	VOCs						< 1		< 1	< 1				< 1	< 5
MW7W	12/11/02	VOCs						< 1		< 1	< 1				< 1	< 5
MW7W	3/14/03	VOCs						< 1		< 1	< 1				< 1	< 5
MW7W	6/18/03	VOCs						< 1		< 1	< 1				< 1	< 5

Sample ID	Date	Group	Aroclor 1254, Dissolved	Arsenic	Arsenic, Dissolved	Barium	Barium, Dissolved	Benzene	Benzo(a) anthracene	Bromo dichloro methane	Bromo methane	Cadmium	Cadmium, Dissolved	Carbon disulfide	Chloroethane	Chloroform
MW7W	7/28/00	TPH														
MW7W	7/28/00	PCB														
MW7W	7/28/00	PAHs							< 5							
MW7W	1/9/01	Metals, Dissolved			< 50		500						< 10			
MW7W	5/9/01	Metals, Dissolved			< 5		800						< 2			
MW7W	10/23/01	Metals, Dissolved			< 5		350						< 2			
MW7W	7/28/00	Metals		33.4		1370						< 5				
MW7W	1/9/01	Metals		< 50		750						< 10				
MW7W	5/9/01	Metals		< 5		620						< 2				
MW7W	7/23/01	Metals		< 5		350						< 2				
MW7W	10/23/01	Metals		< 5		360						< 2				
MW7W	7/28/00	Cyanide														
MW7W DUP	12/11/02	VOCs						< 1		< 1	< 1				< 1	< 5
MW9DW	9/28/00	VOCs						< 5		< 5	< 10			< 5	< 10	< 5
MW9DW	1/12/01	VOCs						< 5		< 5	< 10			< 5	< 10	< 5
MW9DW	5/8/01	VOCs						< 1		< 1	< 1				< 1	< 5
MW9DW	7/23/01	VOCs						< 1		< 1	< 1				< 1	< 5
MW9DW	10/23/01	VOCs						< 1		< 1	< 1				< 1	< 5
MW9DW	3/7/02	VOCs						< 1		< 1	< 1				< 1	< 5
MW9DW	5/29/02	VOCs						< 1		< 1	< 1				< 1	< 5
MW9DW	8/12/02	VOCs						< 1		< 1	< 1				< 1	< 5
MW9DW	12/11/02	VOCs						< 1		< 1	< 1				< 1	< 5
MW9DW	3/14/03	VOCs						< 1		< 1	< 1				< 1	< 5
MW9DW	6/23/03	VOCs						< 1		< 1	< 1				< 1	< 5
MW9DW	1/12/01	Metals, Dissolved			< 50		241						< 10			
MW9DW	9/28/00	Metals		177		5220						< 5000				
MW9DW	1/12/01	Metals		< 250		1020						< 50				
MW9DW	5/8/01	Metals		< 5		330						< 2				
MW9DW	7/23/01	Metals		< 5		310						2.8				
MW9DW	10/23/01	Metals		< 5		330						< 2				
MW9DW DUP	1/12/01	VOCs						< 5		< 5	< 10			< 5	< 10	< 5
MW9DW DUP	12/11/02	VOCs						< 1		< 1	< 1				< 1	< 5
MW9DW DUP	1/12/01	Metals, Dissolved			< 50		238						< 10			
MW9DW DUP	1/12/01	Metals		< 50		797						< 10				
MW9SW	9/28/00	VOCs						< 5		< 5	< 10			< 5	< 10	< 5
MW9SW	1/8/01	VOCs						< 5		< 5	< 10			< 5	< 10	< 5
MW9SW	5/8/01	VOCs						< 1		< 1	< 1				< 1	< 5
MW9SW	7/23/01	VOCs						< 1		< 1	< 1				< 1	< 5
MW9SW	10/23/01	VOCs						< 1		< 1	< 1				< 1	< 5
MW9SW	3/7/02	VOCs						< 1		< 1	< 1				< 1	< 5
MW9SW	6/4/02	VOCs						< 1		< 1	< 1				< 1	< 5
MW9SW	8/12/02	VOCs						< 1		< 1	< 1				< 1	< 5
MW9SW	12/3/02	VOCs						< 1		< 1	< 1				< 1	< 5
MW9SW	3/20/03	VOCs						< 1		< 1	< 1				< 1	< 5
MW9SW	6/23/03	VOCs						< 1		< 1	< 1				< 1	< 5
MW9SW	7/23/01	PCB														
MW9SW	10/23/01	PCB														
MW9SW	1/8/01	Metals, Dissolved			< 100		2900						< 20			
MW9SW	5/8/01	Metals, Dissolved			< 5		1700						6.5			
MW9SW	10/23/01	Metals, Dissolved			< 5		2600						< 2			
MW9SW	3/7/02	Metals, Dissolved			< 10		2700						< 5			
MW9SW	6/4/02	Metals, Dissolved			< 10		2700						< 5			

Sample ID	Date	Group	Aroclor 1254, Dissolved	Arsenic	Arsenic, Dissolved	Barium	Barium, Dissolved	Benzene	Benzo(a) anthracene	Bromo dichloro methane	Bromo methane	Cadmium	Cadmium, Dissolved	Carbon disulfide	Chloroethane	Chloroform
MW9SW	8/12/02	Metals, Dissolved			< 10		2800						< 5			
MW9SW	12/3/02	Metals, Dissolved			110		J4 2900						< 5			
MW9SW	3/20/03	Metals, Dissolved			< 10		J4 3000						< 5			
MW9SW	6/23/03	Metals, Dissolved			< 10		2300						< 5			
MW9SW	9/28/00	Metals		251		10900						< 5000				
MW9SW	1/8/01	Metals		< 100		4200						< 20				
MW9SW	5/8/01	Metals		< 5		2700						5.9				
MW9SW	7/23/01	Metals		12		3200						< 2				
MW9SW	10/23/01	Metals		< 5		2600						< 2				
MW9SW	3/7/02	Metals		< 10		2700						< 5				
MW9SW	6/4/02	Metals		< 10		2900						< 5				
MW9SW	8/12/02	Metals		< 10		2900						< 5				
MW9SW	12/3/02	Metals		120		J4 3200						< 5				
MW9SW	3/20/03	Metals		< 10		2700						< 5				
MW9SW	6/23/03	Metals		10		2600						< 5				
PB1W	7/24/00	TPH														
PB1W	7/24/00	PCB														
RC10W	11/14/00	VOCs						< 5		< 5	< 10			< 5	< 10	< 5
RC10W	11/14/00	Metals		112		3280						< 5000				
RC11W	12/7/00	VOCs						< 5		< 5	< 10			< 5	< 10	< 5
RC12W	12/7/00	VOCs						< 5		< 5	< 10			< 5	< 10	< 5
RC1W	7/25/00	VOCs						< 10		< 10	< 20			< 10	< 20	< 10
RC1W	7/25/00	TPH														
RC1W	7/25/00	PCB														
RC1W	7/25/00	PAHs							< 5							
RC1W	7/25/00	Metals		15.4		589						8.6				
RC1W	7/25/00	Cyanide														
RC2W	7/25/00	VOCs						J 0.85		< 1	< 2			< 1	< 2	< 1
RC2W	7/25/00	TPH														
RC2W-2004	4/29/04	TPH														
RC2W	7/25/00	PCB														
RC2W	7/25/00	PAHs							250							
RC2W	7/25/00	Metals		549		2100						24.2				
RC2W	7/25/00	Cyanide														
RC3W	7/25/00	VOCs						< 1		< 1	< 2			< 1	< 2	< 1
RC3W	7/25/00	TPH														
RC3W	7/25/00	PCB														
RC3W	7/25/00	PAHs							< 5							
RC3W	7/25/00	Metals		11.9		961						< 5				
RC3W	7/25/00	Cyanide														
RC3W DUP	7/25/00	VOCs						< 1		< 1	< 2			< 1	< 2	< 1
RC3W DUP	7/25/00	TPH														
RC3W DUP	7/25/00	PCB														
RC3W DUP	7/25/00	PAHs							< 5							
RC3W DUP	7/25/00	Metals		B 7.8		896						< 5				
RC3W DUP	7/25/00	Cyanide														
RC4W	9/19/00	VOCs						< 5		< 5	< 10			< 5	< 10	< 5
RC4W	9/19/00	Metals		109		2540						< 5000				
RC5W	9/18/00	VOCs						< 5		< 5	< 10			< 5	< 10	< 5
RC5W	9/18/00	Metals		37.9		1020						< 5000				
RC6DW	9/19/00	VOCs						< 5		< 5	< 10			< 5	< 10	< 5
RC6DW	8/15/02	VOCs						< 1		< 1	< 1				< 1	< 5
RC6DW	12/16/02	VOCs						< 1		< 1	< 1				1.2	< 5

Appendix G-2B
Groundwater Data for Sub-area 6B: GKN Facility
Boeing Tract 1, St. Louis, Missouri

Sample ID	Date	Group	Aroclor 1254, Dissolved	Arsenic	Arsenic, Dissolved	Barium	Barium, Dissolved	Benzene	Benzo(a) anthracene	Bromo dichloro methane	Bromo methane	Cadmium	Cadmium, Dissolved	Carbon disulfide	Chloroethane	Chloroform
RC6DW	3/21/03	VOCs						< 1		< 1	< 1				< 1	< 5
RC6DW	6/23/03	VOCs						< 1		< 1	< 1				< 1	< 5
RC6DW	9/19/00	Metals		11		820						< 5000				
RC6SW	9/18/00	VOCs						< 5		< 5	< 10			< 5	< 10	< 5
RC6SW	9/18/00	Metals		16.4		841						< 5000				
RC7W	9/18/00	VOCs						< 5		< 5	< 10			< 5	< 10	< 5
RC7W	9/18/00	Metals		61.4		3160						< 5000				
RC8DW	9/19/00	VOCs						< 5		< 5	< 10			< 5	< 10	< 5
RC8DW	8/15/02	VOCs						< 1		< 1	< 1				< 1	< 5
RC8DW	12/16/02	VOCs						< 1		< 1	< 1				< 1	< 5
RC8DW	3/21/03	VOCs						< 1		< 1	< 1				< 1	< 5
RC8DW	6/24/03	VOCs						< 1		< 1	< 1				< 1	< 5
RC8DW	9/19/00	Metals, Dissolved			< 10		261						< 5000			
RC8SW	9/19/00	VOCs						< 250		< 250	< 500			< 250	< 500	< 250
RC8SW	9/19/00	Metals		< 10		756						< 5000				
RC9W	11/15/00	VOCs						< 5		< 5	< 10			< 5	< 10	< 5
RC9W	11/15/00	PCB	2.8													
RC9W	11/15/00	Metals, Dissolved			< 10		< 200						< 5000			
RC9W	11/15/00	Metals		23.8		488						< 5000				
RR5W	9/20/00	Metals, Dissolved			11.6		754						< 5000			
RR5W	9/20/00	Metals		37.7		1630						< 5000				

Notes:
All concentrations in ug/L (micrograms per liter)
< Less than detection limit shown
Blanks: Not analyzed
VOC: Volatile organic carbon
TPH: Total petroleum hydrocarbon
PAH: Polynuclear aromatic hydrocarbon
PCB: Polychlorinated byphenol
Lab qualifiers in Section 1.0

Appendix G-2B
Groundwater Data for Sub-area 6B: GKN Facility
Boeing Tract 1, St. Louis, Missouri

Sample ID	Date	Group	Chromium	Chromium, Dissolved	Chrysene	cis-1,2-Dichloro ethene	Dichloro difluoro methane	Diesel (C7-C26)	Ethylbenzene	Hydraulic Fluid (C12-C33)	Isopropyl benzene	Kerosene (C9-C16)	Lead	Lead, Dissolved	Mercury	Mercury, Dissolved
B22E1W	7/24/00	VOCs							< 1							
B22E1W	7/24/00	TPH														
B22E2W	7/25/00	VOCs							< 1							
B22E2W	7/25/00	TPH														
B22E2W	7/25/00	PAHs			< 5											
B22E2W	7/25/00	Metals	2170										684		1.8	
B22E3W	7/25/00	VOCs							< 1							
B22E3W	7/25/00	TPH														
B22E3W	7/25/00	PCB														
B22E3W	7/25/00	PAHs			< 5											
B22E3W	7/25/00	Metals	2390										802		2.2	
B22N1W	7/24/00	VOCs							< 1							
B22N1W	7/24/00	TPH														
B22N1W	7/24/00	PCB														
B22N1W	7/24/00	PAHs			25											
B22N1W	7/24/00	Metals	426										542		0.42	
B22W1W	7/24/00	VOCs							< 1							
B22W1W	7/24/00	TPH														
B22W1W	7/24/00	Metals	2560										1180		2.1	
B27W1W	9/18/00	VOCs				< 2.5			< 5							
B27W1W	9/18/00	Metals	72.9										27.6		0.84	
B27W2W	9/18/00	VOCs				13			< 5							
B27W2W	9/18/00	Metals	336										95.2		0.51	
B27W3DW	9/20/00	VOCs				< 2.5			< 5							
B27W3DW	8/16/02	VOCs				FH 2400	< 100		< 100		< 100					
B27W3DW	12/16/02	VOCs				900	< 25		< 25		< 25					
B27W3DW	3/21/03	VOCs				E 820	< 1		< 1		< 1					
B27W3DW	6/23/03	VOCs				E 950	< 1		< 1		< 1					
B27W3DW	9/20/00	Metals	< 10										< 3		< 0.2	
B27W3SW	9/19/00	VOCs				D 7200			< 5							
B27W3SW	9/19/00	Pesticide														
B27W3SW	9/19/00	Metals	250										97		0.25	
B28E1W	7/26/00	VOCs							< 1							
B28E1W	7/26/00	TPH														
B28E1W	7/26/00	PCB														
B28E1W	7/26/00	PAHs			< 5											
B28E1W	7/26/00	Metals	301										105		0.43	
B28MW1W	9/18/00	VOCs				28			< 5							
B28MW1W	1/10/01	VOCs				33	< 10		< 5		< 5					
B28MW1W	5/10/01	VOCs				FH 19	< 2		< 2		< 2					
B28MW1W	7/24/01	VOCs				32	< 1		< 2		< 1					
B28MW1W	10/23/01	VOCs				46	< 1		< 1		< 1					
B28MW1W	3/6/02	VOCs				25	< 1		< 1		< 1					
B28MW1W	6/4/02	VOCs				FH 25	< 5		< 5		< 5					
B28MW1W	8/15/02	VOCs				27	< 1		< 1		< 1					
B28MW1W	12/3/02	VOCs				31	< 1		< 1		< 1					
B28MW1W	3/17/03	VOCs				E 1800	< 1		< 1		< 1					
B28MW1W	6/23/03	VOCs				30	< 1		< 1		< 1					
B28MW1W	10/23/01	TPH														

Appendix G-2B
Groundwater Data for Sub-area 6B: GKN Facility
Boeing Tract 1, St. Louis, Missouri

Sample ID	Date	Group	Chromium	Chromium, Dissolved	Chrysene	cis-1,2-Dichloro ethene	Dichloro difluoro methane	Diesel (C7-C26)	Ethylbenzene	Hydraulic Fluid (C12-C33)	Isopropyl benzene	Kerosene (C9-C16)	Lead	Lead, Dissolved	Mercury	Mercury, Dissolved
B28MW1W	6/23/03	Metals, Dissolved		< 10										< 5		< 0.2
B28MW1W	9/18/00	Metals	79.2										40.9		0.2	
B28MW1W	1/10/01	Metals	< 10										< 50		< 0.4	
B28MW1W	5/10/01	Metals	41										46		< 0.2	
B28MW1W	7/24/01	Metals	15										13		< 0.2	
B28MW1W	10/23/01	Metals	< 2										< 5		< 0.2	
B28MW1W	6/23/03	Metals	< 10										< 5		< 0.2	
B28MW1W DUP	3/6/02	VOCs				26	< 1		< 1		< 1					
B28MW1W DUP	6/4/02	VOCs				FH 23	< 5		< 5		< 5					
B28MW1W DUP	6/23/03	VOCs				29	< 1		< 1		< 1					
B28MW2W	9/18/00	VOCs				< 2.5			< 5							
B28MW2W	1/10/01	VOCs				< 5	< 10		< 5		< 5					
B28MW2W	5/10/01	VOCs				< 1	< 1		< 1		< 1					
B28MW2W	7/24/01	VOCs				< 1	< 1		< 2		< 1					
B28MW2W	10/23/01	VOCs				< 1	< 1		< 1		< 1					
B28MW2W	3/6/02	VOCs				< 1	< 1		< 1		< 1					
B28MW2W	5/31/02	VOCs				< 1	< 1		< 1		< 1					
B28MW2W	6/18/03	VOCs				< 1	2.6		< 1		< 1					
B28MW2W	10/23/01	TPH														
B28MW2W	5/10/01	Metals, Dissolved		< 2										< 5		< 0.2
B28MW2W	10/23/01	Metals, Dissolved		< 2										< 5		< 0.2
B28MW2W	9/18/00	Metals	38.2										58.2		< 0.2	
B28MW2W	1/10/01	Metals	29										81		< 0.2	
B28MW2W	5/10/01	Metals	38										170		< 0.2	
B28MW2W	7/24/01	Metals	16										65		< 0.2	
B28MW2W	10/23/01	Metals	9.1										22		< 0.2	
B28MW3W	9/18/00	VOCs				< 2.5			< 5							
B28MW3W	5/10/01	VOCs				< 1	< 1		< 1		< 1					
B28MW3W	7/24/01	VOCs				9.9	< 1		< 2		< 1					
B28MW3W	10/23/01	VOCs				< 1	< 1		< 1		< 1					
B28MW3W	3/6/02	VOCs				< 1	< 1		< 1		< 1					
B28MW3W	5/31/02	VOCs				< 1	< 1		< 1		< 1					
B28MW3W	6/18/03	VOCs				< 1	< 1		< 1		< 1					
B28MW3W	10/23/01	TPH														
B28MW3W	3/6/02	Metals, Dissolved		< 10										J4 6.9		< 0.2
B28MW3W	5/31/02	Metals, Dissolved		< 10										< 5		0.22
B28MW3W	6/18/03	Metals, Dissolved		< 10										< 5		< 0.2
B28MW3W	9/18/00	Metals	32.8										57.2		1.2	
B28MW3W	5/10/01	Metals	75										230		130	
B28MW3W	7/24/01	Metals	56										110		0.4	
B28MW3W	10/23/01	Metals	130										120		1.1	
B28MW3W	3/6/02	Metals	47										J4 96		0.78	
B28MW3W	5/31/02	Metals	190										170		0.77	
B28MW3W	6/18/03	Metals	< 10										5.3		< 0.2	
B28MW4W	3/21/03	VOCs				15	< 1		3.8		3.4					
B28MW4W	6/18/03	VOCs				35	E 700		4.2		4.5					
B28MW4W	3/21/03	TPH						< 100		< 100		< 100				
B28MW4W	6/18/03	TPH						< 100		< 100		< 100				
B28N1W	7/26/00	VOCs							< 50							
B28N1W	7/26/00	TPH														
B28N1W	7/26/00	PCB														
B28N1W	7/26/00	PAHs			< 5											

Appendix G-2B
Groundwater Data for Sub-area 6B: GKN Facility
Boeing Tract 1, St. Louis, Missouri

Sample ID	Date	Group	Chromium	Chromium, Dissolved	Chrysene	cis-1,2-Dichloro ethene	Dichloro difluoro methane	Diesel (C7-C26)	Ethylbenzene	Hydraulic Fluid (C12-C33)	Isopropyl benzene	Kerosene (C9-C16)	Lead	Lead, Dissolved	Mercury	Mercury, Dissolved
B28N1W	7/26/00	Metals	54.6										19.2		B 0.077	
CN1W	7/24/00	Cyanide														
HW1W	7/24/00	VOCs							< 12							
HW1W	7/25/00	VOCs														
HW1W	7/24/00	TPH														
HW1W	7/24/00	PCB														
HW1W	7/25/00	PAHs			< 5											
HW1W	7/24/00	Metals	906										798		2	
HW1W	7/24/00	Cyanide														
MW3AW	6/18/02	VOCs				E 160	< 1		< 1		< 1					
MW3AW	7/18/02	VOCs				E 240	< 1		< 1		< 1					
MW3AW	8/15/02	VOCs				EJ6 270	< 1		< 1		< 1					
MW3AW	9/23/02	VOCs				EV 200	< 1		< 1		< 1					
MW3AW	10/15/02	VOCs				E 260	< 5		< 5		< 5					
MW3AW	11/22/02	VOCs				E 290	< 1		< 1		< 1					
MW3AW	12/16/02	VOCs				320	< 10		< 10		< 10					
MW3AW	1/20/03	VOCs				E 340	< 1		< 1		< 1					
MW3AW	2/20/03	VOCs				E 290	< 1		< 1		< 1					
MW3AW	3/17/03	VOCs				E 270	< 1		< 1		< 1					
MW3AW	4/17/03	VOCs				E 220	< 1		< 1		< 1					
MW3AW	5/19/03	VOCs				E 320	< 1		< 1		< 1					
MW3AW	6/18/03	VOCs				E 360	< 1		< 1		< 1					
MW3AW	6/18/02	Metals, Dissolved		< 10												
MW3AW	6/18/02	Metals	< 10													
MW3BW	6/18/02	VOCs				E 130	< 1		< 1		< 1					
MW3BW	7/18/02	VOCs				E 100	< 1		< 1		< 1					
MW3BW	8/15/02	VOCs				FH 86	< 2		< 2		< 2					
MW3BW	9/19/02	VOCs				E 65	< 1		< 1		< 1					
MW3BW	10/15/02	VOCs				E 53	< 1		< 1		< 1					
MW3BW	11/22/02	VOCs				30	< 1		< 1		< 1					
MW3BW	12/16/02	VOCs				27	< 1		< 1		< 1					
MW3BW	1/20/03	VOCs				27	< 1		< 1		< 1					
MW3BW	2/20/03	VOCs				19	< 1		< 1		< 1					
MW3BW	3/17/03	VOCs				J6 15	< 1		< 1		< 1					
MW3BW	4/17/03	VOCs				13	< 1		< 1		< 1					
MW3BW	5/19/03	VOCs				16	< 1		< 1		< 1					
MW3BW	6/18/03	VOCs				16	< 1		< 1		< 1					
MW3BW	6/18/02	Metals, Dissolved		< 10												
MW3BW	6/18/02	Metals	< 10													
MW3W	7/28/00	VOCs							< 1							
MW3W	1/10/01	VOCs				6000	< 10		< 5		< 5					
MW3W	5/9/01	VOCs				FH 2600	< 100		< 100		< 100					
MW3W	7/24/01	VOCs				E 2600	< 1		< 2		< 1					
MW3W	10/25/01	VOCs				EF 7600	< 25		< 25		< 25					
MW3W	3/6/02	VOCs				E 1800	< 1		< 1		< 1					
MW3W	6/19/02	VOCs				FH 3300	< 100		< 100		< 100					
MW3W	7/18/02	VOCs				FH 3800	< 50		< 50		< 50					
MW3W	8/15/02	VOCs				EF 4900	< 50		< 50		< 50					
MW3W	9/23/02	VOCs				E 1300	< 1		< 1		< 1					
MW3W	10/15/02	VOCs				E 2200	< 5		< 5		< 5					
MW3W	11/22/02	VOCs				E 2100	< 25		< 25		< 25					
MW3W	12/16/02	VOCs				E 1600	< 5		< 5		< 5					

Appendix G-2B
Groundwater Data for Sub-area 6B: GKN Facility
Boeing Tract 1, St. Louis, Missouri

Sample ID	Date	Group	Chromium	Chromium, Dissolved	Chrysene	cis-1,2-Dichloro ethene	Dichloro difluoro methane	Diesel (C7-C26)	Ethylbenzene	Hydraulic Fluid (C12-C33)	Isopropyl benzene	Kerosene (C9-C16)	Lead	Lead, Dissolved	Mercury	Mercury, Dissolved
MW3W	1/20/03	VOCs				E 2300	< 1		< 1		< 1					
MW3W	2/20/03	VOCs				E 2700	< 1		< 1		< 1					
MW3W	3/17/03	VOCs				E 2700	< 1		< 1		< 1					
MW3W	4/17/03	VOCs				2900	< 50		< 50		< 50					
MW3W	5/19/03	VOCs				E 3600	< 5		< 5		< 5					
MW3W	6/18/03	VOCs				4100	< 1		< 1		< 1					
MW3W	7/28/00	TPH														
MW3W	7/28/00	PCB														
MW3W	5/9/01	PCB														
MW3W	7/24/01	PCB														
MW3W	10/25/01	PCB														
MW3W	7/28/00	PAHs			< 5											
MW3W	5/9/01	Metals, Dissolved		< 2										< 5		< 0.2
MW3W	10/25/01	Metals, Dissolved		< 2										< 5		< 0.2
MW3W	6/19/02	Metals, Dissolved		< 10												
MW3W	7/28/00	Metals	84.7										21.1		B 0.081	
MW3W	1/10/01	Metals	< 10										< 50		< 0.2	
MW3W	5/9/01	Metals	< 2										< 5		< 0.2	
MW3W	7/24/01	Metals	2.2										6.5		< 0.2	
MW3W	10/25/01	Metals	< 2										< 5		< 0.2	
MW3W	6/19/02	Metals	< 10													
MW3W	7/28/00	Cyanide														
MW3W DUP	7/28/00	VOCs							< 1							
MW3W DUP	5/9/01	VOCs				F 2700	< 100		< 100		< 100					
MW3W DUP	7/24/01	VOCs				E 2700	< 1		< 2		< 1					
MW3W DUP	10/25/01	VOCs				EF 4500	< 25		< 25		< 25					
MW3W DUP	3/6/02	VOCs				E 1400	< 1		< 1		< 1					
MW3W DUP	8/15/02	VOCs				EF 6200	< 50		< 50		< 50					
MW3W DUP	7/28/00	TPH														
MW3W DUP	7/28/00	PCB														
MW3W DUP	5/9/01	PCB														
MW3W DUP	7/24/01	PCB														
MW3W DUP	10/25/01	PCB														
MW3W DUP	7/28/00	PAHs			< 5											
MW3W DUP	5/9/01	Metals, Dissolved		< 2										< 5		< 0.2
MW3W DUP	10/25/01	Metals, Dissolved		< 2										< 5		< 0.2
MW3W DUP	7/28/00	Metals	254										66.3		0.26	
MW3W DUP	5/9/01	Metals	< 2										< 5		< 0.2	
MW3W DUP	7/24/01	Metals	2.2										8.3		< 0.2	
MW3W DUP	10/25/01	Metals	< 2										< 5		< 0.2	
MW3W DUP	7/28/00	Cyanide														
MW7W	7/28/00	VOCs							< 1							
MW7W	1/9/01	VOCs				< 5	< 10		< 5		< 5					
MW7W	5/9/01	VOCs				< 1	< 1		< 1		< 1					
MW7W	7/23/01	VOCs				< 1	< 1		< 2		< 1					
MW7W	10/23/01	VOCs				< 1	< 1		< 1		< 1					
MW7W	3/11/02	VOCs				< 1	< 1		< 1		< 1					
MW7W	5/31/02	VOCs				< 1	< 1		< 1		< 1					
MW7W	8/16/02	VOCs				< 1	< 1		< 1		< 1					
MW7W	12/11/02	VOCs				< 1	< 1		< 1		< 1					
MW7W	3/14/03	VOCs				< 1	< 1		< 1		< 1					
MW7W	6/18/03	VOCs				1.1	< 1		< 1		< 1					

Appendix G-2B
Groundwater Data for Sub-area 6B: GKN Facility
Boeing Tract 1, St. Louis, Missouri

Sample ID	Date	Group	Chromium	Chromium, Dissolved	Chrysene	cis-1,2-Dichloro ethene	Dichloro difluoro methane	Diesel (C7-C26)	Ethylbenzene	Hydraulic Fluid (C12-C33)	Isopropyl benzene	Kerosene (C9-C16)	Lead	Lead, Dissolved	Mercury	Mercury, Dissolved
MW7W	7/28/00	TPH														
MW7W	7/28/00	PCB														
MW7W	7/28/00	PAHs			< 5											
MW7W	1/9/01	Metals, Dissolved		< 10										< 50		< 0.2
MW7W	5/9/01	Metals, Dissolved		< 2										< 5		< 0.2
MW7W	10/23/01	Metals, Dissolved		< 2										< 5		< 0.2
MW7W	7/28/00	Metals	88										33		B 0.078	
MW7W	1/9/01	Metals	43										< 50		< 0.2	
MW7W	5/9/01	Metals	7.2										< 5		< 0.2	
MW7W	7/23/01	Metals	7.2										5.2		< 0.2	
MW7W	10/23/01	Metals	< 2										< 5		< 0.2	
MW7W	7/28/00	Cyanide														
MW7W DUP	12/11/02	VOCs				< 1	< 1		< 1		< 1					
MW9DW	9/28/00	VOCs				< 2.5			< 5							
MW9DW	1/12/01	VOCs				< 5	< 10		< 5		< 5					
MW9DW	5/8/01	VOCs				< 1	< 1		< 1		< 1					
MW9DW	7/23/01	VOCs				< 1	< 1		< 2		< 1					
MW9DW	10/23/01	VOCs				< 1	< 1		< 1		< 1					
MW9DW	3/7/02	VOCs				< 1	< 1		< 1		< 1					
MW9DW	5/29/02	VOCs				< 1	< 1		< 1		< 1					
MW9DW	8/12/02	VOCs				< 1	< 1		< 1		< 1					
MW9DW	12/11/02	VOCs				< 1	< 1		< 1		< 1					
MW9DW	3/14/03	VOCs				< 1	< 1		< 1		< 1					
MW9DW	6/23/03	VOCs				< 1	< 1		< 1		< 1					
MW9DW	1/12/01	Metals, Dissolved		< 10										< 50		0.4
MW9DW	9/28/00	Metals	923										269		1.2	
MW9DW	1/12/01	Metals	144										< 250		3.9	
MW9DW	5/8/01	Metals	9.1										5.6		< 0.2	
MW9DW	7/23/01	Metals	18										11		< 0.2	
MW9DW	10/23/01	Metals	18										8.3		< 0.2	
MW9DW DUP	1/12/01	VOCs				< 5	< 10		< 5		< 5					
MW9DW DUP	12/11/02	VOCs				< 1	< 1		< 1		< 1					
MW9DW DUP	1/12/01	Metals, Dissolved		< 10										< 50		< 0.2
MW9DW DUP	1/12/01	Metals	102										< 50		< 2	
MW9SW	9/28/00	VOCs				< 2.5			< 5							
MW9SW	1/8/01	VOCs				< 5	< 10		< 5		< 5					
MW9SW	5/8/01	VOCs				< 1	< 1		< 1		< 1					
MW9SW	7/23/01	VOCs				< 1	< 1		< 2		< 1					
MW9SW	10/23/01	VOCs				< 1	< 1		< 1		< 1					
MW9SW	3/7/02	VOCs				< 1	< 1		< 1		< 1					
MW9SW	6/4/02	VOCs				< 1	< 1		< 1		< 1					
MW9SW	8/12/02	VOCs				< 1	< 1		< 1		< 1					
MW9SW	12/3/02	VOCs				< 1	< 1		< 1		< 1					
MW9SW	3/20/03	VOCs				< 1	< 1		< 1		< 1					
MW9SW	6/23/03	VOCs				< 1	< 1		< 1		< 1					
MW9SW	7/23/01	PCB														
MW9SW	10/23/01	PCB														
MW9SW	1/8/01	Metals, Dissolved		56										< 100		< 2
MW9SW	5/8/01	Metals, Dissolved		84										90		< 0.2
MW9SW	10/23/01	Metals, Dissolved		< 2										< 5		< 0.2
MW9SW	3/7/02	Metals, Dissolved		< 10										< 5		< 0.2
MW9SW	6/4/02	Metals, Dissolved		< 10										14		< 0.2

Sample ID	Date	Group	Chromium	Chromium, Dissolved	Chrysene	cis-1,2-Dichloro ethene	Dichloro difluoro methane	Diesel (C7-C26)	Ethylbenzene	Hydraulic Fluid (C12-C33)	Isopropyl benzene	Kerosene (C9-C16)	Lead	Lead, Dissolved	Mercury	Mercury, Dissolved
MW9SW	8/12/02	Metals, Dissolved		< 10										17		< 0.2
MW9SW	12/3/02	Metals, Dissolved		< 10										< 5		< 0.2
MW9SW	3/20/03	Metals, Dissolved		< 10										< 5		< 0.2
MW9SW	6/23/03	Metals, Dissolved		< 10										< 5		< 0.2
MW9SW	9/28/00	Metals	858										399		1.1	
MW9SW	1/8/01	Metals	170										< 100		< 2	
MW9SW	5/8/01	Metals	35										75		< 0.2	
MW9SW	7/23/01	Metals	23										20		< 0.2	
MW9SW	10/23/01	Metals	< 2										< 5		< 0.2	
MW9SW	3/7/02	Metals	< 10										< 5		< 0.2	
MW9SW	6/4/02	Metals	< 10										18		< 0.2	
MW9SW	8/12/02	Metals	15										18		< 0.2	
MW9SW	12/3/02	Metals	< 10										J4 5.9		< 0.2	
MW9SW	3/20/03	Metals	< 10										24		< 0.2	
MW9SW	6/23/03	Metals	42										< 5		< 0.2	
PB1W	7/24/00	TPH														
PB1W	7/24/00	PCB														
RC10W	11/14/00	VOCs				11			< 5							
RC10W	11/14/00	Metals	641										267		1.2	
RC11W	12/7/00	VOCs				< 5	< 10		< 5		< 5					
RC12W	12/7/00	VOCs				< 5	< 10		< 5		< 5					
RC1W	7/25/00	VOCs							< 10							
RC1W	7/25/00	TPH														
RC1W	7/25/00	PCB														
RC1W	7/25/00	PAHs			< 5											
RC1W	7/25/00	Metals	64.5										19		B 0.16	
RC1W	7/25/00	Cyanide														
RC2W	7/25/00	VOCs							J 0.77							
RC2W	7/25/00	TPH														
RC2W-2004	4/29/04	TPH														
RC2W	7/25/00	PCB														
RC2W	7/25/00	PAHs			86											
RC2W	7/25/00	Metals	159										39.8		0.2	
RC2W	7/25/00	Cyanide														
RC3W	7/25/00	VOCs							< 1							
RC3W	7/25/00	TPH														
RC3W	7/25/00	PCB														
RC3W	7/25/00	PAHs			< 5											
RC3W	7/25/00	Metals	48.5										15.6		B 0.094	
RC3W	7/25/00	Cyanide														
RC3W DUP	7/25/00	VOCs							< 1							
RC3W DUP	7/25/00	TPH														
RC3W DUP	7/25/00	PCB														
RC3W DUP	7/25/00	PAHs			< 5											
RC3W DUP	7/25/00	Metals	25.9										9		B 0.056	
RC3W DUP	7/25/00	Cyanide														
RC4W	9/19/00	VOCs				9.9			< 5							
RC4W	9/19/00	Metals	490										220		0.61	
RC5W	9/18/00	VOCs				< 2.5			< 5							
RC5W	9/18/00	Metals	91.5										31.6		< 0.2	
RC6DW	9/19/00	VOCs				20			< 5							
RC6DW	8/15/02	VOCs				4.8	< 1		< 1		< 1					
RC6DW	12/16/02	VOCs				1.7	< 1		< 1		< 1					

Appendix G-2B
Groundwater Data for Sub-area 6B: GKN Facility
Boeing Tract 1, St. Louis, Missouri

Sample ID	Date	Group	Chromium	Chromium, Dissolved	Chrysene	cis-1,2-Dichloro ethene	Dichloro difluoro methane	Diesel (C7-C26)	Ethylbenzene	Hydraulic Fluid (C12-C33)	Isopropyl benzene	Kerosene (C9-C16)	Lead	Lead, Dissolved	Mercury	Mercury, Dissolved
RC6DW	3/21/03	VOCs				1.2	< 1		< 1		< 1					
RC6DW	6/23/03	VOCs				< 1	< 1		< 1		< 1					
RC6DW	9/19/00	Metals	16.2										34.8		< 0.2	
RC6SW	9/18/00	VOCs				120			< 5							
RC6SW	9/18/00	Metals	69.8										22.6		< 0.2	
RC7W	9/18/00	VOCs				< 2.5			< 5							
RC7W	9/18/00	Metals	411										124		0.49	
RC8DW	9/19/00	VOCs				14			< 5							
RC8DW	8/15/02	VOCs				17	< 1		< 1		< 1					
RC8DW	12/16/02	VOCs				12	< 1		< 1		< 1					
RC8DW	3/21/03	VOCs				13	< 1		< 1		< 1					
RC8DW	6/24/03	VOCs				17	< 1		< 1		< 1					
RC8DW	9/19/00	Metals, Dissolved		< 10										< 3		< 0.2
RC8SW	9/19/00	VOCs				1600			< 250							
RC8SW	9/19/00	Metals	25.2										5.9		< 0.2	
RC9W	11/15/00	VOCs				< 2.5			< 5							
RC9W	11/15/00	PCB														
RC9W	11/15/00	Metals, Dissolved		< 10										< 3		< 0.2
RC9W	11/15/00	Metals	71.2										24.9		< 0.2	
RR5W	9/20/00	Metals, Dissolved		35.8										11.3		< 0.2
RR5W	9/20/00	Metals	91.1										33.5		< 0.2	

Notes:
All concentrations in ug/L (micrograms per liter)
< Less than detection limit shown
Blanks: Not analyzed
VOC: Volatile organic carbon
TPH: Total petroleum hydrocarbon
PAH: Polynuclear aromatic hydrocarbon
PCB: Polychlorinated byphenol
Lab qualifiers in Section 1.0

Sample ID	Date	Group	Methyl ethyl ketone (MEK)	Methyl tert-butyl ether	Methylene chloride	Mineral Spirits (C7-C14)	Misc_TPH (C10-C40)	Motor Oil (C16-C33)	Naphthalene	n-Propyl benzene	Reactive Cyanide	sec-Butyl benzene	Selenium	Silver	tert-Butyl benzene	Tetrachloro ethene
B22E1W	7/24/00	VOCs	< 5		< 1											< 1
B22E1W	7/24/00	TPH														
B22E2W	7/25/00	VOCs	< 5		< 1				< 5							< 1
B22E2W	7/25/00	TPH														
B22E2W	7/25/00	PAHs														
B22E2W	7/25/00	Metals											< 5	< 10		
B22E3W	7/25/00	VOCs	< 5		< 1				< 5							< 1
B22E3W	7/25/00	TPH														
B22E3W	7/25/00	PCB														
B22E3W	7/25/00	PAHs														
B22E3W	7/25/00	Metals											< 5	< 10		
B22N1W	7/24/00	VOCs	< 5		J B 0.38				< 5							< 1
B22N1W	7/24/00	TPH														
B22N1W	7/24/00	PCB														
B22N1W	7/24/00	PAHs														
B22N1W	7/24/00	Metals											36.4	B 1.2		
B22W1W	7/24/00	VOCs	< 5		< 1											< 1
B22W1W	7/24/00	TPH														
B22W1W	7/24/00	Metals											< 5	< 10		
B27W1W	9/18/00	VOCs	< 20		< 5											< 5
B27W1W	9/18/00	Metals											< 5	< 10		
B27W2W	9/18/00	VOCs	< 20		< 5											39
B27W2W	9/18/00	Metals											< 5	< 10		
B27W3DW	9/20/00	VOCs	< 20		< 5											< 5
B27W3DW	8/16/02	VOCs	< 5000	< 100	< 500				< 500	< 100		< 100			< 100	< 100
B27W3DW	12/16/02	VOCs	< 1200	< 25	< 120				< 120	< 25		< 25			< 25	< 25
B27W3DW	3/21/03	VOCs	< 50	< 1	< 5				< 5	< 1		< 1			< 1	< 1
B27W3DW	6/23/03	VOCs	< 50	< 1	< 5				< 5	< 1		< 1			< 1	< 1
B27W3DW	9/20/00	Metals											< 5	< 10		
B27W3SW	9/19/00	VOCs	< 20		< 5											< 5
B27W3SW	9/19/00	Pesticide														
B27W3SW	9/19/00	Metals											7.2	< 10		
B28E1W	7/26/00	VOCs	< 5		J B 0.39				< 5							< 1
B28E1W	7/26/00	TPH														
B28E1W	7/26/00	PCB														
B28E1W	7/26/00	PAHs														
B28E1W	7/26/00	Metals											< 5	< 10		
B28MW1W	9/18/00	VOCs	< 20		< 5											33
B28MW1W	1/10/01	VOCs	< 10	< 10	< 5				< 5	< 5		< 5			< 5	34
B28MW1W	5/10/01	VOCs	< 100	FH 3.2	< 10				< 2	< 2		< 2			< 2	FH 33
B28MW1W	7/24/01	VOCs	< 50	3.7	< 5				< 1	< 1		< 1			< 1	E 56
B28MW1W	10/23/01	VOCs	< 50	3.8	< 5				< 1	< 1		< 1			< 1	E 80
B28MW1W	3/6/02	VOCs	< 50	2.3	< 5				< 5	< 1		< 1			< 1	34
B28MW1W	6/4/02	VOCs	< 250	< 5	< 25				< 25	< 5		< 5			< 5	FH 36
B28MW1W	8/15/02	VOCs	< 50	3	< 5				< 5	< 1		< 1			< 1	E 53
B28MW1W	12/3/02	VOCs	< 50	3.3	< 5				< 5	< 1		< 1			< 1	55
B28MW1W	3/17/03	VOCs	< 50	< 1	< 5				< 5	< 1		< 1			< 1	< 1
B28MW1W	6/23/03	VOCs	< 50	< 1	< 5				< 5	< 1		< 1			< 1	44
B28MW1W	10/23/01	TPH														

Appendix G-2B
Groundwater Data for Sub-area 6B: GKN Facility
Boeing Tract 1, St. Louis, Missouri

Sample ID	Date	Group	Methyl ethyl ketone (MEK)	Methyl tert-butyl ether	Methylene chloride	Mineral Spirits (C7-C14)	Misc_TPH (C10-C40)	Motor Oil (C16-C33)	Naphthalene	n-Propyl benzene	Reactive Cyanide	sec-Butyl benzene	Selenium	Silver	tert-Butyl benzene	Tetrachloro ethene
B28MW1W	6/23/03	Metals, Dissolved														
B28MW1W	9/18/00	Metals											5	< 10		
B28MW1W	1/10/01	Metals											< 100	< 20		
B28MW1W	5/10/01	Metals														
B28MW1W	7/24/01	Metals														
B28MW1W	10/23/01	Metals														
B28MW1W	6/23/03	Metals														
B28MW1W DUP	3/6/02	VOCs	< 50	2.3	< 5				< 5	< 1		< 1			< 1	32
B28MW1W DUP	6/4/02	VOCs	< 250	< 5	< 25				< 25	< 5		< 5			< 5	FH 32
B28MW1W DUP	6/23/03	VOCs	< 50	< 1	< 5				< 5	< 1		< 1			< 1	46
B28MW2W	9/18/00	VOCs	< 20		< 5											< 5
B28MW2W	1/10/01	VOCs	< 10	< 10	< 5				< 5	< 5		< 5			< 5	< 5
B28MW2W	5/10/01	VOCs	< 50	< 1	< 5				< 1	< 1		< 1			< 1	< 1
B28MW2W	7/24/01	VOCs	< 50	< 1	< 5				< 1	< 1		< 1			< 1	< 1
B28MW2W	10/23/01	VOCs	< 50	< 1	< 5				< 1	< 1		< 1			< 1	< 1
B28MW2W	3/6/02	VOCs	< 50	< 1	< 5				< 5	< 1		< 1			< 1	< 1
B28MW2W	5/31/02	VOCs	< 50	< 1	< 5				< 5	< 1		< 1			< 1	< 1
B28MW2W	6/18/03	VOCs	< 50	< 1	< 5				< 5	< 1		< 1			< 1	< 1
B28MW2W	10/23/01	TPH														
B28MW2W	5/10/01	Metals, Dissolved														
B28MW2W	10/23/01	Metals, Dissolved														
B28MW2W	9/18/00	Metals											< 5	< 10		
B28MW2W	1/10/01	Metals											< 100	< 20		
B28MW2W	5/10/01	Metals														
B28MW2W	7/24/01	Metals														
B28MW2W	10/23/01	Metals														
B28MW3W	9/18/00	VOCs	< 20		< 5											< 5
B28MW3W	5/10/01	VOCs	< 50	< 1	< 5				< 1	< 1		< 1			< 1	< 1
B28MW3W	7/24/01	VOCs	< 50	< 1	< 5				< 1	< 1		< 1			< 1	< 1
B28MW3W	10/23/01	VOCs	< 50	< 1	< 5				< 1	< 1		< 1			< 1	< 1
B28MW3W	3/6/02	VOCs	< 50	< 1	< 5				< 5	< 1		< 1			< 1	< 1
B28MW3W	5/31/02	VOCs	< 50	< 1	< 5				< 5	< 1		< 1			< 1	< 1
B28MW3W	6/18/03	VOCs	< 50	< 1	< 5				< 5	< 1		< 1			< 1	< 1
B28MW3W	10/23/01	TPH														
B28MW3W	3/6/02	Metals, Dissolved														
B28MW3W	5/31/02	Metals, Dissolved														
B28MW3W	6/18/03	Metals, Dissolved														
B28MW3W	9/18/00	Metals											< 5	< 10		
B28MW3W	5/10/01	Metals														
B28MW3W	7/24/01	Metals														
B28MW3W	10/23/01	Metals														
B28MW3W	3/6/02	Metals														
B28MW3W	5/31/02	Metals														
B28MW3W	6/18/03	Metals														
B28MW4W	3/21/03	VOCs	< 50	E 930	< 5				< 5	1.8		< 1			< 1	5.7
B28MW4W	6/18/03	VOCs	< 50	< 1	< 5				< 5	2.4		< 1			< 1	6.4
B28MW4W	3/21/03	TPH				< 100	420	< 100								
B28MW4W	6/18/03	TPH				< 100	310	< 100								
B28N1W	7/26/00	VOCs	< 250		J B 43				< 5							< 50
B28N1W	7/26/00	TPH														
B28N1W	7/26/00	PCB														
B28N1W	7/26/00	PAHs														

Appendix G-2B
Groundwater Data for Sub-area 6B: GKN Facility
Boeing Tract 1, St. Louis, Missouri

Sample ID	Date	Group	Methyl ethyl ketone (MEK)	Methyl tert-butyl ether	Methylene chloride	Mineral Spirits (C7-C14)	Misc_TPH (C10-C40)	Motor Oil (C16-C33)	Naphthalene	n-Propyl benzene	Reactive Cyanide	sec-Butyl benzene	Selenium	Silver	tert-Butyl benzene	Tetrachloro ethene
B28N1W	7/26/00	Metals											< 5	< 10		
CN1W	7/24/00	Cyanide									0.11					
HW1W	7/24/00	VOCs	< 62		< 12											D 260
HW1W	7/25/00	VOCs							< 5							
HW1W	7/24/00	TPH														
HW1W	7/24/00	PCB														
HW1W	7/25/00	PAHs														
HW1W	7/24/00	Metals											32.6	< 10		
HW1W	7/24/00	Cyanide									0.11					
MW3AW	6/18/02	VOCs	< 50	< 1	< 5				< 5	< 1		< 1			< 1	< 1
MW3AW	7/18/02	VOCs	< 50	< 1	< 5				< 5	< 1		< 1			< 1	< 1
MW3AW	8/15/02	VOCs	< 50	< 1	< 5				< 5	< 1		< 1			< 1	< 1
MW3AW	9/23/02	VOCs	< 50	< 1	< 5				< 5	< 1		< 1			< 1	< 1
MW3AW	10/15/02	VOCs	< 250	< 5	< 25				< 25	< 5		< 5			< 5	< 5
MW3AW	11/22/02	VOCs	< 50	< 1	< 5				< 5	< 1		< 1			< 1	< 1
MW3AW	12/16/02	VOCs	< 500	< 10	< 50				< 50	< 10		< 10			< 10	< 10
MW3AW	1/20/03	VOCs	< 50	< 1	< 5				< 5	< 1		< 1			< 1	< 1
MW3AW	2/20/03	VOCs	< 50	< 1	< 5				< 5	< 1		< 1			< 1	< 1
MW3AW	3/17/03	VOCs	< 50	< 1	< 5				< 5	< 1		< 1			< 1	< 1
MW3AW	4/17/03	VOCs	< 50	< 1	< 5				< 5	< 1		< 1			< 1	< 1
MW3AW	5/19/03	VOCs	< 50	< 1	< 5				< 5	< 1		< 1			< 1	< 1
MW3AW	6/18/03	VOCs	< 50	< 1	< 5				< 5	< 1		< 1			< 1	< 1
MW3AW	6/18/02	Metals, Dissolved														
MW3AW	6/18/02	Metals														
MW3BW	6/18/02	VOCs	< 50	< 1	< 5				< 5	< 1		< 1			< 1	< 1
MW3BW	7/18/02	VOCs	< 50	< 1	< 5				< 5	< 1		< 1			< 1	< 1
MW3BW	8/15/02	VOCs	< 100	< 2	< 10				< 10	< 2		< 2			< 2	< 2
MW3BW	9/19/02	VOCs	< 50	< 1	< 5				< 5	< 1		< 1			< 1	< 1
MW3BW	10/15/02	VOCs	< 50	< 1	< 5				< 5	< 1		< 1			< 1	< 1
MW3BW	11/22/02	VOCs	< 50	< 1	< 5				< 5	< 1		< 1			< 1	< 1
MW3BW	12/16/02	VOCs	< 50	< 1	< 5				< 5	< 1		< 1			< 1	< 1
MW3BW	1/20/03	VOCs	< 50	< 1	< 5				< 5	< 1		< 1			< 1	< 1
MW3BW	2/20/03	VOCs	< 50	< 1	< 5				< 5	< 1		< 1			< 1	< 1
MW3BW	3/17/03	VOCs	< 50	< 1	< 5				< 5	< 1		< 1			< 1	< 1
MW3BW	4/17/03	VOCs	< 50	< 1	< 5				< 5	< 1		< 1			< 1	< 1
MW3BW	5/19/03	VOCs	< 50	< 1	< 5				< 5	< 1		< 1			< 1	< 1
MW3BW	6/18/03	VOCs	< 50	< 1	< 5				< 5	< 1		< 1			< 1	< 1
MW3BW	6/18/02	Metals, Dissolved														
MW3BW	6/18/02	Metals														
MW3W	7/28/00	VOCs	< 5		JB 0.43				< 5							< 1
MW3W	1/10/01	VOCs	< 10	< 10	< 5				< 5	< 5		< 5			< 5	< 5
MW3W	5/9/01	VOCs	< 5000	< 100	< 500				< 100	< 100		< 100			< 100	< 100
MW3W	7/24/01	VOCs	< 50	< 1	< 5				< 1	< 1		< 1			< 1	< 1
MW3W	10/25/01	VOCs	< 1200	< 25	< 120				< 125	< 25		< 25			< 25	< 25
MW3W	3/6/02	VOCs	< 50	< 1	< 5				< 5	< 1		< 1			< 1	< 1
MW3W	6/19/02	VOCs	< 5000	< 100	< 500				< 500	< 100		< 100			< 100	< 100
MW3W	7/18/02	VOCs	< 2500	< 50	< 250				< 250	< 50		< 50			< 50	< 50
MW3W	8/15/02	VOCs	< 2500	< 50	< 250				< 250	< 50		< 50			< 50	< 50
MW3W	9/23/02	VOCs	J3 87	< 1	< 5				< 5	< 1		< 1			< 1	< 1
MW3W	10/15/02	VOCs	< 250	< 5	< 25				< 25	< 5		< 5			< 5	< 5
MW3W	11/22/02	VOCs	< 1200	< 25	< 120				< 120	< 25		< 25			< 25	< 25
MW3W	12/16/02	VOCs	< 250	< 5	< 25				< 25	< 5		< 5			< 5	< 5

Sample ID	Date	Group	Methyl ethyl ketone (MEK)	Methyl tert-butyl ether	Methylene chloride	Mineral Spirits (C7-C14)	Misc_TPH (C10-C40)	Motor Oil (C16-C33)	Naphthalene	n-Propyl benzene	Reactive Cyanide	sec-Butyl benzene	Selenium	Silver	tert-Butyl benzene	Tetrachloro ethene
MW3W	1/20/03	VOCs	< 50	< 1	< 5				< 5	< 1		< 1			< 1	< 1
MW3W	2/20/03	VOCs	< 50	< 1	< 5				< 5	< 1		< 1			< 1	< 1
MW3W	3/17/03	VOCs	< 50	< 1	< 5				< 5	< 1		< 1			< 1	< 1
MW3W	4/17/03	VOCs	< 2500	< 50	< 250				< 250	< 50		< 50			< 50	< 50
MW3W	5/19/03	VOCs	< 250	< 5	< 25				< 25	< 5		< 5			< 5	< 5
MW3W	6/18/03	VOCs	< 50	< 1	< 5				< 5	< 1		< 1			< 1	< 1
MW3W	7/28/00	TPH														
MW3W	7/28/00	PCB														
MW3W	5/9/01	PCB														
MW3W	7/24/01	PCB														
MW3W	10/25/01	PCB														
MW3W	7/28/00	PAHs														
MW3W	5/9/01	Metals, Dissolved														
MW3W	10/25/01	Metals, Dissolved														
MW3W	6/19/02	Metals, Dissolved														
MW3W	7/28/00	Metals											< 5	< 10		
MW3W	1/10/01	Metals											< 100	< 20		
MW3W	5/9/01	Metals														
MW3W	7/24/01	Metals														
MW3W	10/25/01	Metals														
MW3W	6/19/02	Metals														
MW3W	7/28/00	Cyanide									< 0.05					
MW3W DUP	7/28/00	VOCs	< 5		J B 0.86				< 5							< 1
MW3W DUP	5/9/01	VOCs	< 5000	< 100	F 520				< 100	< 100		< 100			< 100	< 100
MW3W DUP	7/24/01	VOCs	< 50	< 1	< 5				< 1	< 1		< 1			< 1	< 1
MW3W DUP	10/25/01	VOCs	< 1200	< 25	< 120				< 125	< 25		< 25			< 25	< 25
MW3W DUP	3/6/02	VOCs	< 50	< 1	< 5				< 5	< 1		< 1			< 1	< 1
MW3W DUP	8/15/02	VOCs	< 2500	< 50	< 250				< 250	< 50		< 50			< 50	< 50
MW3W DUP	7/28/00	TPH														
MW3W DUP	7/28/00	PCB														
MW3W DUP	5/9/01	PCB														
MW3W DUP	7/24/01	PCB														
MW3W DUP	10/25/01	PCB														
MW3W DUP	7/28/00	PAHs														
MW3W DUP	5/9/01	Metals, Dissolved														
MW3W DUP	10/25/01	Metals, Dissolved														
MW3W DUP	7/28/00	Metals											< 5	< 10		
MW3W DUP	5/9/01	Metals														
MW3W DUP	7/24/01	Metals														
MW3W DUP	10/25/01	Metals														
MW3W DUP	7/28/00	Cyanide									< 0.05					
MW7W	7/28/00	VOCs	< 5		J B 0.69				< 5							< 1
MW7W	1/9/01	VOCs	< 10	< 10	< 5				< 5	< 5		< 5			< 5	< 5
MW7W	5/9/01	VOCs	< 50	< 1	< 5				< 2	< 1		< 1			< 1	< 1
MW7W	7/23/01	VOCs	< 50	< 1	< 5				< 2	< 1		< 1			< 1	< 1
MW7W	10/23/01	VOCs	< 50	< 1	< 5				< 1	< 1		< 1			< 1	< 1
MW7W	3/11/02	VOCs	< 50	< 1	< 5				< 5	< 1		< 1			< 1	< 1
MW7W	5/31/02	VOCs	< 50	< 1	< 5				< 5	< 1		< 1			< 1	< 1
MW7W	8/16/02	VOCs	< 50	< 1	< 5				< 5	< 1		< 1			< 1	< 1
MW7W	12/11/02	VOCs	< 50	< 1	< 5				< 5	< 1		1.4			< 1	< 1
MW7W	3/14/03	VOCs	< 50	< 1	< 5				< 5	< 1		< 1			< 1	< 1
MW7W	6/18/03	VOCs	< 50	< 1	< 5				< 5	< 1		< 1			< 1	< 1

Sample ID	Date	Group	Methyl ethyl ketone (MEK)	Methyl tert-butyl ether	Methylene chloride	Mineral Spirits (C7-C14)	Misc_TPH (C10-C40)	Motor Oil (C16-C33)	Naphthalene	n-Propyl benzene	Reactive Cyanide	sec-Butyl benzene	Selenium	Silver	tert-Butyl benzene	Tetrachloro ethene
MW7W	7/28/00	TPH														
MW7W	7/28/00	PCB														
MW7W	7/28/00	PAHs														
MW7W	1/9/01	Metals, Dissolved														
MW7W	5/9/01	Metals, Dissolved														
MW7W	10/23/01	Metals, Dissolved														
MW7W	7/28/00	Metals											< 5	< 10		
MW7W	1/9/01	Metals											< 100	< 20		
MW7W	5/9/01	Metals														
MW7W	7/23/01	Metals														
MW7W	10/23/01	Metals														
MW7W	7/28/00	Cyanide									< 0.05					
MW7W DUP	12/11/02	VOCs	< 50	< 1	< 5				< 5	< 1		1.4			1.5	< 1
MW9DW	9/28/00	VOCs	< 20		< 5											< 5
MW9DW	1/12/01	VOCs	< 10	< 10	< 5				< 5	< 5		< 5			< 5	< 5
MW9DW	5/8/01	VOCs	< 50	< 1	< 5				< 1	< 1		< 1			< 1	< 1
MW9DW	7/23/01	VOCs	< 50	< 1	< 5				< 2	< 1		< 1			< 1	< 1
MW9DW	10/23/01	VOCs	< 50	< 1	< 5				< 1	< 1		< 1			< 1	< 1
MW9DW	3/7/02	VOCs	< 50	< 1	< 5				< 5	< 1		< 1			< 1	< 1
MW9DW	5/29/02	VOCs	< 50	< 1	< 5				< 5	< 1		< 1			< 1	< 1
MW9DW	8/12/02	VOCs	< 50	< 1	< 5				< 5	< 1		< 1			< 1	< 1
MW9DW	12/11/02	VOCs	< 50	< 1	< 5				< 5	< 1		< 1			< 1	< 1
MW9DW	3/14/03	VOCs	< 50	< 1	< 5				< 5	< 1		< 1			< 1	< 1
MW9DW	6/23/03	VOCs	< 50	< 1	< 5				< 5	< 1		< 1			< 1	< 1
MW9DW	1/12/01	Metals, Dissolved														
MW9DW	9/28/00	Metals											< 5	< 10		
MW9DW	1/12/01	Metals											< 500	< 100		
MW9DW	5/8/01	Metals														
MW9DW	7/23/01	Metals														
MW9DW	10/23/01	Metals														
MW9DW DUP	1/12/01	VOCs	< 10	< 10	< 5				< 5	< 5		< 5			< 5	< 5
MW9DW DUP	12/11/02	VOCs	< 50	< 1	< 5				< 5	< 1		< 1			< 1	< 1
MW9DW DUP	1/12/01	Metals, Dissolved														
MW9DW DUP	1/12/01	Metals											< 100	< 20		
MW9SW	9/28/00	VOCs	< 20		< 5											< 5
MW9SW	1/8/01	VOCs	< 10	< 10	< 5				< 5	< 5		< 5			< 5	< 5
MW9SW	5/8/01	VOCs	< 50	< 1	< 5				< 1	< 1		< 1			< 1	< 1
MW9SW	7/23/01	VOCs	< 50	< 1	< 5				< 2	< 1		< 1			< 1	< 1
MW9SW	10/23/01	VOCs	< 50	< 1	< 5				< 1	< 1		< 1			< 1	< 1
MW9SW	3/7/02	VOCs	< 50	< 1	< 5				< 5	< 1		< 1			< 1	< 1
MW9SW	6/4/02	VOCs	< 50	< 1	< 5				< 5	< 1		< 1			< 1	< 1
MW9SW	8/12/02	VOCs	< 50	< 1	< 5				< 5	< 1		< 1			< 1	< 1
MW9SW	12/3/02	VOCs	< 50	< 1	< 5				< 5	< 1		< 1			< 1	< 1
MW9SW	3/20/03	VOCs	< 50	< 1	< 5				< 5	< 1		< 1			< 1	< 1
MW9SW	6/23/03	VOCs	< 50	< 1	< 5				< 5	< 1		< 1			< 1	< 1
MW9SW	7/23/01	PCB														
MW9SW	10/23/01	PCB														
MW9SW	1/8/01	Metals, Dissolved														
MW9SW	5/8/01	Metals, Dissolved														
MW9SW	10/23/01	Metals, Dissolved														
MW9SW	3/7/02	Metals, Dissolved														
MW9SW	6/4/02	Metals, Dissolved														

Sample ID	Date	Group	Methyl ethyl ketone (MEK)	Methyl tert-butyl ether	Methylene chloride	Mineral Spirits (C7-C14)	Misc_TPH (C10-C40)	Motor Oil (C16-C33)	Naphthalene	n-Propyl benzene	Reactive Cyanide	sec-Butyl benzene	Selenium	Silver	tert-Butyl benzene	Tetrachloro ethene
MW9SW	8/12/02	Metals, Dissolved														
MW9SW	12/3/02	Metals, Dissolved														
MW9SW	3/20/03	Metals, Dissolved														
MW9SW	6/23/03	Metals, Dissolved														
MW9SW	9/28/00	Metals											< 5	< 10		
MW9SW	1/8/01	Metals											< 200	< 40		
MW9SW	5/8/01	Metals														
MW9SW	7/23/01	Metals														
MW9SW	10/23/01	Metals														
MW9SW	3/7/02	Metals														
MW9SW	6/4/02	Metals														
MW9SW	8/12/02	Metals														
MW9SW	12/3/02	Metals														
MW9SW	3/20/03	Metals														
MW9SW	6/23/03	Metals														
PB1W	7/24/00	TPH														
PB1W	7/24/00	PCB														
RC10W	11/14/00	VOCs	< 20		< 5											< 5
RC10W	11/14/00	Metals											< 5	< 10		
RC11W	12/7/00	VOCs	< 10	< 10	< 5				< 5	< 5		< 5			< 5	< 5
RC12W	12/7/00	VOCs	< 10	< 10	< 5				< 5	< 5		< 5			< 5	< 5
RC1W	7/25/00	VOCs	< 50		J B 4.8				< 5							< 10
RC1W	7/25/00	TPH														
RC1W	7/25/00	PCB														
RC1W	7/25/00	PAHs														
RC1W	7/25/00	Metals											< 5	< 10		
RC1W	7/25/00	Cyanide									< 0.05					
RC2W	7/25/00	VOCs	< 5		B 1.1				< 50							< 1
RC2W	7/25/00	TPH														
RC2W-2004	4/29/04	TPH														
RC2W	7/25/00	PCB														
RC2W	7/25/00	PAHs														
RC2W	7/25/00	Metals											< 5	< 10		
RC2W	7/25/00	Cyanide									< 0.05					
RC3W	7/25/00	VOCs	< 5		< 1				< 5							< 1
RC3W	7/25/00	TPH														
RC3W	7/25/00	PCB														
RC3W	7/25/00	PAHs														
RC3W	7/25/00	Metals											< 5	< 10		
RC3W	7/25/00	Cyanide									< 0.05					
RC3W DUP	7/25/00	VOCs	< 5		J B 0.44				< 5							< 1
RC3W DUP	7/25/00	TPH														
RC3W DUP	7/25/00	PCB														
RC3W DUP	7/25/00	PAHs														
RC3W DUP	7/25/00	Metals											< 5	< 10		
RC3W DUP	7/25/00	Cyanide									< 0.05					
RC4W	9/19/00	VOCs	< 20		< 5											< 5
RC4W	9/19/00	Metals											< 5	< 10		
RC5W	9/18/00	VOCs	< 20		< 5											< 5
RC5W	9/18/00	Metals											< 5	< 10		
RC6DW	9/19/00	VOCs	< 20		< 5											< 5
RC6DW	8/15/02	VOCs	< 50	< 1	< 5				< 5	< 1		< 1			< 1	< 1
RC6DW	12/16/02	VOCs	< 50	< 1	< 5				< 5	< 1		< 1			< 1	< 1

Appendix G-2B
Groundwater Data for Sub-area 6B: GKN Facility
Boeing Tract 1, St. Louis, Missouri

Sample ID	Date	Group	Methyl ethyl ketone (MEK)	Methyl tert-butyl ether	Methylene chloride	Mineral Spirits (C7-C14)	Misc_TPH (C10-C40)	Motor Oil (C16-C33)	Naphthalene	n-Propyl benzene	Reactive Cyanide	sec-Butyl benzene	Selenium	Silver	tert-Butyl benzene	Tetrachloro ethene
RC6DW	3/21/03	VOCs	< 50	< 1	< 5				< 5	< 1		< 1			< 1	< 1
RC6DW	6/23/03	VOCs	< 50	< 1	< 5				< 5	< 1		< 1			< 1	< 1
RC6DW	9/19/00	Metals											< 5	< 10		
RC6SW	9/18/00	VOCs	< 20		< 5											< 5
RC6SW	9/18/00	Metals											< 5	< 10		
RC7W	9/18/00	VOCs	< 20		< 5											< 5
RC7W	9/18/00	Metals											< 5	< 10		
RC8DW	9/19/00	VOCs	< 20		5.2											< 5
RC8DW	8/15/02	VOCs	< 50	< 1	< 5				< 5	< 1		< 1			< 1	< 1
RC8DW	12/16/02	VOCs	< 50	< 1	< 5				< 5	< 1		< 1			< 1	< 1
RC8DW	3/21/03	VOCs	< 50	< 1	< 10				< 5	< 1		< 1			< 1	< 1
RC8DW	6/24/03	VOCs	< 50	< 1	< 5				< 5	< 1		< 1			< 1	< 1
RC8DW	9/19/00	Metals, Dissolved														
RC8SW	9/19/00	VOCs	< 1000		< 250											< 250
RC8SW	9/19/00	Metals											< 5	< 10		
RC9W	11/15/00	VOCs	< 20		< 5											< 5
RC9W	11/15/00	PCB														
RC9W	11/15/00	Metals, Dissolved														
RC9W	11/15/00	Metals											< 5	< 10		
RR5W	9/20/00	Metals, Dissolved														
RR5W	9/20/00	Metals											< 5	< 10		

Notes:
All concentrations in ug/L (micrograms per liter)
< Less than detection limit shown
Blanks: Not analyzed
VOC: Volatile organic carbon
TPH: Total petroleum hydrocarbon
PAH: Polynuclear aromatic hydrocarbon
PCB: Polychlorinated byphenol
Lab qualifiers in Section 1.0

Sample ID	Date	Group	Toluene	TPH (GC/FID) High Fraction	TPH (GC/FID) Low Fraction	TPH as Diesel	trans-1,2-Dichloro ethene	Trichloro ethene	Trichloro fluoro methane	Vinyl chloride	Volatile Petroleum Hydrocarbons	Xylenes, Total	nC6 to nC12 (GRO TX1005)	>nC12 to nC28 (DRO TX1005)	>nC28 to nC35 (ORO TX1005)	Total Petroleum Hydrocarbon (TX1005)
B22E1W	7/24/00	VOCs	< 1					< 1		< 2		< 1				
B22E1W	7/24/00	TPH				< 570					< 100					
B22E2W	7/25/00	VOCs	J 0.5					< 1		< 2		< 1				
B22E2W	7/25/00	TPH				< 500					< 100					
B22E2W	7/25/00	PAHs														
B22E2W	7/25/00	Metals														
B22E3W	7/25/00	VOCs	J 0.38					< 1		< 2		< 1				
B22E3W	7/25/00	TPH				< 1200					130					
B22E3W	7/25/00	PCB														
B22E3W	7/25/00	PAHs														
B22E3W	7/25/00	Metals														
B22N1W	7/24/00	VOCs	< 1					< 1		< 2		< 1				
B22N1W	7/24/00	TPH				2900					3600					
B22N1W	7/24/00	PCB														
B22N1W	7/24/00	PAHs														
B22N1W	7/24/00	Metals														
B22W1W	7/24/00	VOCs	< 1					2.2		< 2		< 1				
B22W1W	7/24/00	TPH				< 920					< 100					
B22W1W	7/24/00	Metals														
B27W1W	9/18/00	VOCs	< 5				14	< 5		110		< 5				
B27W1W	9/18/00	Metals														
B27W2W	9/18/00	VOCs	< 5				< 2.5	20		< 5		< 5				
B27W2W	9/18/00	Metals														
B27W3DW	9/20/00	VOCs	< 5				< 2.5	< 5		< 5		< 5				
B27W3DW	8/16/02	VOCs	< 500				FH 170	< 100	< 100	FH 310		< 300				
B27W3DW	12/16/02	VOCs	< 120				50	< 25	< 25	56		< 75				
B27W3DW	3/21/03	VOCs	< 5				48	< 1	< 1	79		< 3				
B27W3DW	6/23/03	VOCs	< 5				83	< 1	< 1	120		< 3				
B27W3DW	9/20/00	Metals														
B27W3SW	9/19/00	VOCs	41				D 410	D 510		D 2600		< 5				
B27W3SW	9/19/00	Pesticide														
B27W3SW	9/19/00	Metals														
B28E1W	7/26/00	VOCs	J 0.37					< 1		< 2		< 1				
B28E1W	7/26/00	TPH				< 500					< 100					
B28E1W	7/26/00	PCB														
B28E1W	7/26/00	PAHs														
B28E1W	7/26/00	Metals														
B28MW1W	9/18/00	VOCs	< 5				39	10		20		< 5				
B28MW1W	1/10/01	VOCs	< 5				25	20	10	21		< 5				
B28MW1W	5/10/01	VOCs	< 2				FH 17	FH 9.4	FH 5.7	< 2		< 6				
B28MW1W	7/24/01	VOCs	< 5				17	14	2.8	26		< 3				
B28MW1W	10/23/01	VOCs	< 5				20	15	< 1	22		< 3				
B28MW1W	3/6/02	VOCs	< 5				6.6	11	10	15		< 3				
B28MW1W	6/4/02	VOCs	< 25				FH 6.9	FH 9.8	< 5	FH 12		< 15				
B28MW1W	8/15/02	VOCs	< 5				11	12	2.5	11		< 3				
B28MW1W	12/3/02	VOCs	< 5				7.7	J4 13	4.9	14		< 3				
B28MW1W	3/17/03	VOCs	< 5				48	6.5	< 1	1200		< 3				
B28MW1W	6/23/03	VOCs	< 5				5.5	12	< 1	12		< 3				
B28MW1W	10/23/01	TPH		170												

Sample ID	Date	Group	Toluene	TPH (GC/FID) High Fraction	TPH (GC/FID) Low Fraction	TPH as Diesel	trans-1,2-Dichloro ethene	Trichloro ethene	Trichloro fluoro methane	Vinyl chloride	Volatile Petroleum Hydrocarbons	Xylenes, Total	nC6 to nC12 (GRO TX1005)	>nC12 to nC28 (DRO TX1005)	>nC28 to nC35 (ORO TX1005)	Total Petroleum Hydrocarbon (TX1005)
B28MW1W	6/23/03	Metals, Dissolved														
B28MW1W	9/18/00	Metals														
B28MW1W	1/10/01	Metals														
B28MW1W	5/10/01	Metals														
B28MW1W	7/24/01	Metals														
B28MW1W	10/23/01	Metals														
B28MW1W	6/23/03	Metals														
B28MW1W DUP	3/6/02	VOCs	< 5				6.4	9.2	9	15		< 3				
B28MW1W DUP	6/4/02	VOCs	< 25				FH 6.4	FH 8.8	< 5	FH 12		< 15				
B28MW1W DUP	6/23/03	VOCs	< 5				5.8	12	< 1	13		< 3				
B28MW2W	9/18/00	VOCs	< 5				< 2.5	< 5		< 5		< 5				
B28MW2W	1/10/01	VOCs	< 5				< 5	< 5	< 10	< 10		< 5				
B28MW2W	5/10/01	VOCs	< 1				< 1	< 1	< 1	< 1		< 3				
B28MW2W	7/24/01	VOCs	< 5				< 1	< 1	< 1	< 1		< 3				
B28MW2W	10/23/01	VOCs	< 5				< 1	< 1	< 1	< 1		< 3				
B28MW2W	3/6/02	VOCs	< 5				< 1	< 1	< 1	< 1		< 3				
B28MW2W	5/31/02	VOCs	< 5				< 1	< 1	< 1	< 1		< 3				
B28MW2W	6/18/03	VOCs	< 5				< 1	< 1	< 1	< 1		< 3				
B28MW2W	10/23/01	TPH		< 100												
B28MW2W	5/10/01	Metals, Dissolved														
B28MW2W	10/23/01	Metals, Dissolved														
B28MW2W	9/18/00	Metals														
B28MW2W	1/10/01	Metals														
B28MW2W	5/10/01	Metals														
B28MW2W	7/24/01	Metals														
B28MW2W	10/23/01	Metals														
B28MW3W	9/18/00	VOCs	< 5				< 2.5	< 5		< 5		< 5				
B28MW3W	5/10/01	VOCs	< 1				< 1	< 1	< 1	< 1		< 3				
B28MW3W	7/24/01	VOCs	< 5				< 1	12	< 1	< 1		< 3				
B28MW3W	10/23/01	VOCs	< 5				< 1	< 1	< 1	< 1		< 3				
B28MW3W	3/6/02	VOCs	< 5				< 1	< 1	< 1	< 1		< 3				
B28MW3W	5/31/02	VOCs	< 5				< 1	< 1	< 1	< 1		< 3				
B28MW3W	6/18/03	VOCs	< 5				< 1	< 1	< 1	< 1		< 3				
B28MW3W	10/23/01	TPH		150												
B28MW3W	3/6/02	Metals, Dissolved														
B28MW3W	5/31/02	Metals, Dissolved														
B28MW3W	6/18/03	Metals, Dissolved														
B28MW3W	9/18/00	Metals														
B28MW3W	5/10/01	Metals														
B28MW3W	7/24/01	Metals														
B28MW3W	10/23/01	Metals														
B28MW3W	3/6/02	Metals														
B28MW3W	5/31/02	Metals														
B28MW3W	6/18/03	Metals														
B28MW4W	3/21/03	VOCs	18				E 230	< 1	< 1	18		9.1				
B28MW4W	6/18/03	VOCs	22				E 380	1.5	< 1	45		12				
B28MW4W	3/21/03	TPH			460											
B28MW4W	6/18/03	TPH			1000											
B28N1W	7/26/00	VOCs	< 50					< 50		260		< 50				
B28N1W	7/26/00	TPH				< 500					1000					
B28N1W	7/26/00	PCB														
B28N1W	7/26/00	PAHs														

Sample ID	Date	Group	Toluene	TPH (GC/FID) High Fraction	TPH (GC/FID) Low Fraction	TPH as Diesel	trans-1,2-Dichloro ethene	Trichloro ethene	Trichloro fluoro methane	Vinyl chloride	Volatile Petroleum Hydrocarbons	Xylenes, Total	nC6 to nC12 (GRO TX1005)	>nC12 to nC28 (DRO TX1005)	>nC28 to nC35 (ORO TX1005)	Total Petroleum Hydrocarbon (TX1005)
B28N1W	7/26/00	Metals														
CN1W	7/24/00	Cyanide														
HW1W	7/24/00	VOCs	J 0.48					37		38		< 12				
HW1W	7/25/00	VOCs														
HW1W	7/24/00	TPH				< 960					180					
HW1W	7/24/00	PCB														
HW1W	7/25/00	PAHs														
HW1W	7/24/00	Metals														
HW1W	7/24/00	Cyanide														
MW3AW	6/18/02	VOCs	< 5				9.8	E 190	< 1	4.9		< 3				
MW3AW	7/18/02	VOCs	< 5				12	E 220	< 1	5.9		< 3				
MW3AW	8/15/02	VOCs	< 5				14	EJ6 240	< 1	5.3		< 3				
MW3AW	9/23/02	VOCs	< 5				12	EV 150	< 1	4.8		< 3				
MW3AW	10/15/02	VOCs	< 25				10	170	< 5	6		< 15				
MW3AW	11/22/02	VOCs	< 5				12	E 190	< 1	7.5		< 3				
MW3AW	12/16/02	VOCs	< 50				14	230	< 10	< 10		< 30				
MW3AW	1/20/03	VOCs	< 5				17	EJ4 240	< 1	6.7		< 3				
MW3AW	2/20/03	VOCs	< 5				12	E 220	< 1	9.3		< 3				
MW3AW	3/17/03	VOCs	< 5				14	E 220	< 1	7.1		< 3				
MW3AW	4/17/03	VOCs	< 5				11	150	< 1	8.9		< 3				
MW3AW	5/19/03	VOCs	< 5				18	E 220	< 1	8.7		< 3				
MW3AW	6/18/03	VOCs	< 5				18	E 260	< 1	9.9		< 3				
MW3AW	6/18/02	Metals, Dissolved														
MW3AW	6/18/02	Metals														
MW3BW	6/18/02	VOCs	< 5				2.7	8.5	< 1	1.2		< 3				
MW3BW	7/18/02	VOCs	< 5				1.7	2.1	< 1	< 1		< 3				
MW3BW	8/15/02	VOCs	< 10				< 2	< 2	< 2	< 2		< 6				
MW3BW	9/19/02	VOCs	< 5				1.5	< 1	< 1	2.5		< 3				
MW3BW	10/15/02	VOCs	< 5				1.5	< 1	< 1	15		< 3				
MW3BW	11/22/02	VOCs	< 5				1.4	1.1	< 1	15		< 3				
MW3BW	12/16/02	VOCs	< 5				1.4	< 1	< 1	11		< 3				
MW3BW	1/20/03	VOCs	< 5				1.5	< 1	< 1	15		< 3				
MW3BW	2/20/03	VOCs	< 5				< 1	< 1	< 1	12		< 3				
MW3BW	3/17/03	VOCs	< 5				1.1	< 1	< 1	7.7		< 3				
MW3BW	4/17/03	VOCs	< 5				< 1	< 1	< 1	6.4		< 3				
MW3BW	5/19/03	VOCs	< 5				< 1	< 1	< 1	5.8		< 3				
MW3BW	6/18/03	VOCs	< 5				1.1	< 1	< 1	4.2		< 3				
MW3BW	6/18/02	Metals, Dissolved														
MW3BW	6/18/02	Metals														
MW3W	7/28/00	VOCs	J 0.5					D 1700		32		< 1				
MW3W	1/10/01	VOCs	< 5				91	6900	< 10	120		< 5				
MW3W	5/9/01	VOCs	< 100				< 100	FH 3500	< 100	< 100		< 300				
MW3W	7/24/01	VOCs	< 5				E 62	E 2700	< 1	E 81		< 3				
MW3W	10/25/01	VOCs	< 120				F 260	EF 8000	< 25	F 130		< 75				
MW3W	3/6/02	VOCs	< 5				E 67	E 1400	< 1	E 75		< 3				
MW3W	6/19/02	VOCs	< 500				< 100	FH 3900	< 100	< 100		< 300				
MW3W	7/18/02	VOCs	< 250				FH 73	FH 210	< 50	< 50		< 150				
MW3W	8/15/02	VOCs	< 250				F 110	F 51	< 50	F 84		< 150				
MW3W	9/23/02	VOCs	< 5				34	8	< 1	E 440		< 3				
MW3W	10/15/02	VOCs	< 25				44	< 5	< 5	E 1400		< 15				
MW3W	11/22/02	VOCs	< 120				39	33	< 25	1100		< 75				
MW3W	12/16/02	VOCs	< 25				47	5.8	< 5	E 1300		< 15				

App[illegible]-2B
Groundwater Data for Sub-area 6B: GKN Facility
Boeing Tract 1, St. Louis, Missouri

Sample ID	Date	Group	Toluene	TPH (GC/FID) High Fraction	TPH (GC/FID) Low Fraction	TPH as Diesel	trans-1,2-Dichloro ethene	Trichloro ethene	Trichloro fluoro methane	Vinyl chloride	Volatile Petroleum Hydrocarbons	Xylenes, Total	nC6 to nC12 (GRO TX1005)	>nC12 to nC28 (DRO TX1005)	>nC28 to nC35 (ORO TX1005)	Total Petroleum Hydrocarbon (TX1005)
MW3W	1/20/03	VOCs	< 5				54	J4 5.2	< 1	E 1600		< 3				
MW3W	2/20/03	VOCs	< 5				59	9.7	< 1	E 2700		< 3				
MW3W	3/17/03	VOCs	< 5				53	6.4	< 1	E 2100		< 3				
MW3W	4/17/03	VOCs	< 250				< 50	< 50	< 50	1600		< 150				
MW3W	5/19/03	VOCs	< 25				77	9.1	< 5	E 1400		< 15				
MW3W	6/18/03	VOCs	< 5				68	7.3	< 1	1000		< 3				
MW3W	7/28/00	TPH				< 500					1400					
MW3W	7/28/00	PCB														
MW3W	5/9/01	PCB														
MW3W	7/24/01	PCB														
MW3W	10/25/01	PCB														
MW3W	7/28/00	PAHs														
MW3W	5/9/01	Metals, Dissolved														
MW3W	10/25/01	Metals, Dissolved														
MW3W	6/19/02	Metals, Dissolved														
MW3W	7/28/00	Metals														
MW3W	1/10/01	Metals														
MW3W	5/9/01	Metals														
MW3W	7/24/01	Metals														
MW3W	10/25/01	Metals														
MW3W	6/19/02	Metals														
MW3W	7/28/00	Cyanide														
MW3W DUP	7/28/00	VOCs	J 0.51					D 5400		30		< 1				
MW3W DUP	5/9/01	VOCs	< 100				< 100	F 3800	< 100	< 100		< 300				
MW3W DUP	7/24/01	VOCs	< 5				E 62	E 2900	< 1	E 84		< 3				
MW3W DUP	10/25/01	VOCs	< 120				F 130	EF 5100	< 25	F 79		< 75				
MW3W DUP	3/6/02	VOCs	< 5				E 62	E 1100	< 1	E 60		< 3				
MW3W DUP	8/15/02	VOCs	< 250				F 120	F 83	< 50	F 83		< 150				
MW3W DUP	7/28/00	TPH				< 500					1700					
MW3W DUP	7/28/00	PCB														
MW3W DUP	5/9/01	PCB														
MW3W DUP	7/24/01	PCB														
MW3W DUP	10/25/01	PCB														
MW3W DUP	7/28/00	PAHs														
MW3W DUP	5/9/01	Metals, Dissolved														
MW3W DUP	10/25/01	Metals, Dissolved														
MW3W DUP	7/28/00	Metals														
MW3W DUP	5/9/01	Metals														
MW3W DUP	7/24/01	Metals														
MW3W DUP	10/25/01	Metals														
MW3W DUP	7/28/00	Cyanide														
MW7W	7/28/00	VOCs	< 1					J 0.92		< 2		< 1				
MW7W	1/9/01	VOCs	< 5				< 5	< 5	< 10	< 10		< 5				
MW7W	5/9/01	VOCs	< 1				< 1	< 1	< 1	< 1		< 3				
MW7W	7/23/01	VOCs	< 5				< 1	< 1	< 1	< 1		< 3				
MW7W	10/23/01	VOCs	< 5				< 1	< 1	< 1	< 1		< 3				
MW7W	3/11/02	VOCs	< 5				< 1	< 1	< 1	< 1		< 3				
MW7W	5/31/02	VOCs	< 5				< 1	< 1	< 1	< 1		< 3				
MW7W	8/16/02	VOCs	< 5				< 1	< 1	< 1	< 1		< 3				
MW7W	12/11/02	VOCs	< 5				< 1	< 1	< 1	< 1		< 3				
MW7W	3/14/03	VOCs	< 5				< 1	< 1	< 1	< 1		< 3				
MW7W	6/18/03	VOCs	< 5				< 1	< 1	< 1	< 1		< 3				

Sample ID	Date	Group	Toluene	TPH (GC/FID) High Fraction	TPH (GC/FID) Low Fraction	TPH as Diesel	trans-1,2-Dichloro ethene	Trichloro ethene	Trichloro fluoro methane	Vinyl chloride	Volatile Petroleum Hydrocarbons	Xylenes, Total	nC6 to nC12 (GRO TX1005)	>nC12 to nC28 (DRO TX1005)	>nC28 to nC35 (ORO TX1005)	Total Petroleum Hydrocarbon (TX1005)
MW7W	7/28/00	TPH				< 500					< 100					
MW7W	7/28/00	PCB														
MW7W	7/28/00	PAHs														
MW7W	1/9/01	Metals, Dissolved														
MW7W	5/9/01	Metals, Dissolved														
MW7W	10/23/01	Metals, Dissolved														
MW7W	7/28/00	Metals														
MW7W	1/9/01	Metals														
MW7W	5/9/01	Metals														
MW7W	7/23/01	Metals														
MW7W	10/23/01	Metals														
MW7W	7/28/00	Cyanide														
MW7W DUP	12/11/02	VOCs	< 5				< 1	< 1	< 1	< 1		< 3				
MW9DW	9/28/00	VOCs	< 5				< 2.5	< 5		< 5		< 5				
MW9DW	1/12/01	VOCs	< 5				< 5	< 5	< 10	< 10		< 5				
MW9DW	5/8/01	VOCs	< 1				< 1	< 1	< 1	< 1		< 3				
MW9DW	7/23/01	VOCs	< 5				< 1	< 1	< 1	< 1		< 3				
MW9DW	10/23/01	VOCs	< 5				< 1	< 1	< 1	< 1		< 3				
MW9DW	3/7/02	VOCs	< 5				< 1	< 1	< 1	< 1		< 3				
MW9DW	5/29/02	VOCs	< 5				< 1	< 1	< 1	< 1		< 3				
MW9DW	8/12/02	VOCs	< 5				< 1	< 1	< 1	< 1		< 3				
MW9DW	12/11/02	VOCs	< 5				< 1	< 1	< 1	< 1		< 3				
MW9DW	3/14/03	VOCs	< 5				< 1	< 1	< 1	< 1		< 3				
MW9DW	6/23/03	VOCs	< 5				< 1	< 1	< 1	< 1		< 3				
MW9DW	1/12/01	Metals, Dissolved														
MW9DW	9/28/00	Metals														
MW9DW	1/12/01	Metals														
MW9DW	5/8/01	Metals														
MW9DW	7/23/01	Metals														
MW9DW	10/23/01	Metals														
MW9DW DUP	1/12/01	VOCs	< 5				< 5	< 5	< 10	< 10		< 5				
MW9DW DUP	12/11/02	VOCs	< 5				< 1	< 1	< 1	< 1		< 3				
MW9DW DUP	1/12/01	Metals, Dissolved														
MW9DW DUP	1/12/01	Metals														
MW9SW	9/28/00	VOCs	< 5				< 2.5	< 5		< 5		< 5				
MW9SW	1/8/01	VOCs	< 5				< 5	< 5	< 10	< 10		< 5				
MW9SW	5/8/01	VOCs	< 1				< 1	< 1	< 1	< 1		< 3				
MW9SW	7/23/01	VOCs	< 5				< 1	< 1	< 1	< 1		< 3				
MW9SW	10/23/01	VOCs	< 5				< 1	< 1	< 1	< 1		< 3				
MW9SW	3/7/02	VOCs	< 5				< 1	< 1	< 1	< 1		< 3				
MW9SW	6/4/02	VOCs	< 5				< 1	< 1	< 1	< 1		< 3				
MW9SW	8/12/02	VOCs	< 5				< 1	< 1	< 1	< 1		< 3				
MW9SW	12/3/02	VOCs	< 5				< 1	< 1	< 1	< 1		< 3				
MW9SW	3/20/03	VOCs	< 5				< 1	< 1	< 1	< 1		< 3				
MW9SW	6/23/03	VOCs	< 5				< 1	< 1	< 1	< 1		< 3				
MW9SW	7/23/01	PCB														
MW9SW	10/23/01	PCB														
MW9SW	1/8/01	Metals, Dissolved														
MW9SW	5/8/01	Metals, Dissolved														
MW9SW	10/23/01	Metals, Dissolved														
MW9SW	3/7/02	Metals, Dissolved														
MW9SW	6/4/02	Metals, Dissolved														

Appe[illegible]-2B
Groundwater Data for Sub-area 6B: GKN Facility
Boeing Tract 1, St. Louis, Missouri

Sample ID	Date	Group	Toluene	TPH (GC/FID) High Fraction	TPH (GC/FID) Low Fraction	TPH as Diesel	trans-1,2-Dichloro ethene	Trichloro ethene	Trichloro fluoro methane	Vinyl chloride	Volatile Petroleum Hydrocarbons	Xylenes, Total	nC6 to nC12 (GRO TX1005)	>nC12 to nC28 (DRO TX1005)	>nC28 to nC35 (ORO TX1005)	Total Petroleum Hydrocarbon (TX1005)
MW9SW	8/12/02	Metals, Dissolved														
MW9SW	12/3/02	Metals, Dissolved														
MW9SW	3/20/03	Metals, Dissolved														
MW9SW	6/23/03	Metals, Dissolved														
MW9SW	9/28/00	Metals														
MW9SW	1/8/01	Metals														
MW9SW	5/8/01	Metals														
MW9SW	7/23/01	Metals														
MW9SW	10/23/01	Metals														
MW9SW	3/7/02	Metals														
MW9SW	6/4/02	Metals														
MW9SW	8/12/02	Metals														
MW9SW	12/3/02	Metals														
MW9SW	3/20/03	Metals														
MW9SW	6/23/03	Metals														
PB1W	7/24/00	TPH				< 940										
PB1W	7/24/00	PCB														
RC10W	11/14/00	VOCs	< 5				< 2.5	36		< 5		< 5				
RC10W	11/14/00	Metals														
RC11W	12/7/00	VOCs	< 5				< 5	< 5	< 10	< 10		< 5				
RC12W	12/7/00	VOCs	< 5				< 5	< 5	< 10	< 10		< 5				
RC1W	7/25/00	VOCs	< 10					80		20		< 10				
RC1W	7/25/00	TPH				< 500					130					
RC1W	7/25/00	PCB														
RC1W	7/25/00	PAHs														
RC1W	7/25/00	Metals														
RC1W	7/25/00	Cyanide														
RC2W	7/25/00	VOCs	3.6					< 1		D 21		2.2				
RC2W	7/25/00	TPH				340000					2100					
RC2W-2004	4/29/04	TPH											<500	7000	<500	7000
RC2W	7/25/00	PCB														
RC2W	7/25/00	PAHs														
RC2W	7/25/00	Metals														
RC2W	7/25/00	Cyanide														
RC3W	7/25/00	VOCs	J 0.42					2.7		16		< 1				
RC3W	7/25/00	TPH				< 500					130					
RC3W	7/25/00	PCB														
RC3W	7/25/00	PAHs														
RC3W	7/25/00	Metals														
RC3W	7/25/00	Cyanide														
RC3W DUP	7/25/00	VOCs	< 1					J 0.37		17		< 1				
RC3W DUP	7/25/00	TPH				49000					140					
RC3W DUP	7/25/00	PCB														
RC3W DUP	7/25/00	PAHs														
RC3W DUP	7/25/00	Metals														
RC3W DUP	7/25/00	Cyanide														
RC4W	9/19/00	VOCs	< 5				< 2.5	49		13		< 5				
RC4W	9/19/00	Metals														
RC5W	9/18/00	VOCs	< 5				< 2.5	< 5		< 5		< 5				
RC5W	9/18/00	Metals														
RC6DW	9/19/00	VOCs	< 5				< 2.5	< 5		< 5		< 5				
RC6DW	8/15/02	VOCs	< 5				1.9	< 1	< 1	7.9		< 3				
RC6DW	12/16/02	VOCs	< 5				1.2	< 1	< 1	2.2		< 3				

Appendix G-2B
Groundwater Data for Sub-area 6B: GKN Facility
Boeing Tract 1, St. Louis, Missouri

Sample ID	Date	Group	Toluene	TPH (GC/FID) High Fraction	TPH (GC/FID) Low Fraction	TPH as Diesel	trans-1,2-Dichloro ethene	Trichloro ethene	Trichloro fluoro methane	Vinyl chloride	Volatile Petroleum Hydrocarbons	Xylenes, Total	nC6 to nC12 (GRO TX1005)	>nC12 to nC28 (DRO TX1005)	>nC28 to nC35 (ORO TX1005)	Total Petroleum Hydrocarbon (TX1005)
RC6DW	3/21/03	VOCs	< 5				2.2	< 1	< 1	2.8		< 3				
RC6DW	6/23/03	VOCs	< 5				1.2	< 1	< 1	< 1		< 3				
RC6DW	9/19/00	Metals														
RC6SW	9/18/00	VOCs	< 5				9.1	120		59		< 5				
RC6SW	9/18/00	Metals														
RC7W	9/18/00	VOCs	< 5				< 2.5	< 5		< 5		< 5				
RC7W	9/18/00	Metals														
RC8DW	9/19/00	VOCs	< 5				< 2.5	< 5		< 5		< 5				
RC8DW	8/15/02	VOCs	< 5				1.2	4.1	< 1	< 1		< 3				
RC8DW	12/16/02	VOCs	< 5				< 1	5.9	< 1	< 1		< 3				
RC8DW	3/21/03	VOCs	< 5				< 1	J4 9.7	< 1	< 1		< 3				
RC8DW	6/24/03	VOCs	< 5				< 1	13	< 1	< 1		< 3				
RC8DW	9/19/00	Metals, Dissolved														
RC8SW	9/19/00	VOCs	< 250				130	< 250		< 250		< 250				
RC8SW	9/19/00	Metals														
RC9W	11/15/00	VOCs	< 5				< 2.5	< 5		< 5		< 5				
RC9W	11/15/00	PCB														
RC9W	11/15/00	Metals, Dissolved														
RC9W	11/15/00	Metals														
RR5W	9/20/00	Metals, Dissolved														
RR5W	9/20/00	Metals														

Notes:
All concentrations in ug/L (micrograms per liter)
< Less than detection limit shown
Blanks: Not analyzed
VOC: Volatile organic carbon
TPH: Total petroleum hydrocarbon
PAH: Polynuclear aromatic hydrocarbon
PCB: Polychlorinated byphenol
Lab qualifiers in Section 1.0

Sample ID	Date	Group	Aliphatics nC6 (TX1006)	Aliphatics >nC6 to nC8 (TX1006)	Aliphatics >nC8 to nC10 (TX1006)	Aliphatics >nC10 to nC12 (TX1006)	Aliphatics >nC12 to nC16 (TX1006)	Aliphatics >nC16 to nC21 (TX1006)	Aliphatics >nC21 to nC35 (TX1006)	Aromatics >nC7 to nC8 (TX1006)	Aromatics >nC8 to nC10 (TX1006)	Aromatics >nC10 to nC12 (TX1006)	Aromatics >nC12 to nC16 (TX1006)	Aromatics >nC16 to nC21 (TX1006)	Aromatics >nC21 to nC35 (TX1006)	Total Petroleum Hydrocarbons (TX1006)
B22E1W	7/24/00	VOCs														
B22E1W	7/24/00	TPH														
B22E2W	7/25/00	VOCs														
B22E2W	7/25/00	TPH														
B22E2W	7/25/00	PAHs														
B22E2W	7/25/00	Metals														
B22E3W	7/25/00	VOCs														
B22E3W	7/25/00	TPH														
B22E3W	7/25/00	PCB														
B22E3W	7/25/00	PAHs														
B22E3W	7/25/00	Metals														
B22N1W	7/24/00	VOCs														
B22N1W	7/24/00	TPH														
B22N1W	7/24/00	PCB														
B22N1W	7/24/00	PAHs														
B22N1W	7/24/00	Metals														
B22W1W	7/24/00	VOCs														
B22W1W	7/24/00	TPH														
B22W1W	7/24/00	Metals														
B27W1W	9/18/00	VOCs														
B27W1W	9/18/00	Metals														
B27W2W	9/18/00	VOCs														
B27W2W	9/18/00	Metals														
B27W3DW	9/20/00	VOCs														
B27W3DW	8/16/02	VOCs														
B27W3DW	12/16/02	VOCs														
B27W3DW	3/21/03	VOCs														
B27W3DW	6/23/03	VOCs														
B27W3DW	9/20/00	Metals														
B27W3SW	9/19/00	VOCs														
B27W3SW	9/19/00	Pesticide														
B27W3SW	9/19/00	Metals														
B28E1W	7/26/00	VOCs														
B28E1W	7/26/00	TPH														
B28E1W	7/26/00	PCB														
B28E1W	7/26/00	PAHs														
B28E1W	7/26/00	Metals														
B28MW1W	9/18/00	VOCs														
B28MW1W	1/10/01	VOCs														
B28MW1W	5/10/01	VOCs														
B28MW1W	7/24/01	VOCs														
B28MW1W	10/23/01	VOCs														
B28MW1W	3/6/02	VOCs														
B28MW1W	6/4/02	VOCs														
B28MW1W	8/15/02	VOCs														
B28MW1W	12/3/02	VOCs														
B28MW1W	3/17/03	VOCs														
B28MW1W	6/23/03	VOCs														
B28MW1W	10/23/01	TPH														

Sample ID	Date	Group	Aliphatics nC6 (TX1006)	Aliphatics >nC6 to nC8 (TX1006)	Aliphatics >nC8 to nC10 (TX1006)	Aliphatics >nC10 to nC12 (TX1006)	Aliphatics >nC12 to nC16 (TX1006)	Aliphatics >nC16 to nC21 (TX1006)	Aliphatics >nC21 to nC35 (TX1006)	Aromatics >nC7 to nC8 (TX1006)	Aromatics >nC8 to nC10 (TX1006)	Aromatics >nC10 to nC12 (TX1006)	Aromatics >nC12 to nC16 (TX1006)	Aromatics >nC16 to nC21 (TX1006)	Aromatics >nC21 to nC35 (TX1006)	Total Petroleum Hydrocarbons (TX1006)
B28MW1W	6/23/03	Metals, Dissolved														
B28MW1W	9/18/00	Metals														
B28MW1W	1/10/01	Metals														
B28MW1W	5/10/01	Metals														
B28MW1W	7/24/01	Metals														
B28MW1W	10/23/01	Metals														
B28MW1W	6/23/03	Metals														
B28MW1W DUP	3/6/02	VOCs														
B28MW1W DUP	6/4/02	VOCs														
B28MW1W DUP	6/23/03	VOCs														
B28MW2W	9/18/00	VOCs														
B28MW2W	1/10/01	VOCs														
B28MW2W	5/10/01	VOCs														
B28MW2W	7/24/01	VOCs														
B28MW2W	10/23/01	VOCs														
B28MW2W	3/6/02	VOCs														
B28MW2W	5/31/02	VOCs														
B28MW2W	6/18/03	VOCs														
B28MW2W	10/23/01	TPH														
B28MW2W	5/10/01	Metals, Dissolved														
B28MW2W	10/23/01	Metals, Dissolved														
B28MW2W	9/18/00	Metals														
B28MW2W	1/10/01	Metals														
B28MW2W	5/10/01	Metals														
B28MW2W	7/24/01	Metals														
B28MW2W	10/23/01	Metals														
B28MW3W	9/18/00	VOCs														
B28MW3W	5/10/01	VOCs														
B28MW3W	7/24/01	VOCs														
B28MW3W	10/23/01	VOCs														
B28MW3W	3/6/02	VOCs														
B28MW3W	5/31/02	VOCs														
B28MW3W	6/18/03	VOCs														
B28MW3W	10/23/01	TPH														
B28MW3W	3/6/02	Metals, Dissolved														
B28MW3W	5/31/02	Metals, Dissolved														
B28MW3W	6/18/03	Metals, Dissolved														
B28MW3W	9/18/00	Metals														
B28MW3W	5/10/01	Metals														
B28MW3W	7/24/01	Metals														
B28MW3W	10/23/01	Metals														
B28MW3W	3/6/02	Metals														
B28MW3W	5/31/02	Metals														
B28MW3W	6/18/03	Metals														
B28MW4W	3/21/03	VOCs														
B28MW4W	6/18/03	VOCs														
B28MW4W	3/21/03	TPH														
B28MW4W	6/18/03	TPH														
B28N1W	7/26/00	VOCs														
B28N1W	7/26/00	TPH														
B28N1W	7/26/00	PCB														
B28N1W	7/26/00	PAHs														

Sample ID	Date	Group	Aliphatics nC6 (TX1006)	Aliphatics >nC6 to nC8 (TX1006)	Aliphatics >nC8 to nC10 (TX1006)	Aliphatics >nC10 to nC12 (TX1006)	Aliphatics >nC12 to nC16 (TX1006)	Aliphatics >nC16 to nC21 (TX1006)	Aliphatics >nC21 to nC35 (TX1006)	Aromatics >nC7 to nC8 (TX1006)	Aromatics >nC8 to nC10 (TX1006)	Aromatics >nC10 to nC12 (TX1006)	Aromatics >nC12 to nC16 (TX1006)	Aromatics >nC16 to nC21 (TX1006)	Aromatics >nC21 to nC35 (TX1006)	Total Petroleum Hydrocarbons (TX1006)
B28N1W	7/26/00	Metals														
CN1W	7/24/00	Cyanide														
HW1W	7/24/00	VOCs														
HW1W	7/25/00	VOCs														
HW1W	7/24/00	TPH														
HW1W	7/24/00	PCB														
HW1W	7/25/00	PAHs														
HW1W	7/24/00	Metals														
HW1W	7/24/00	Cyanide														
MW3AW	6/18/02	VOCs														
MW3AW	7/18/02	VOCs														
MW3AW	8/15/02	VOCs														
MW3AW	9/23/02	VOCs														
MW3AW	10/15/02	VOCs														
MW3AW	11/22/02	VOCs														
MW3AW	12/16/02	VOCs														
MW3AW	1/20/03	VOCs														
MW3AW	2/20/03	VOCs														
MW3AW	3/17/03	VOCs														
MW3AW	4/17/03	VOCs														
MW3AW	5/19/03	VOCs														
MW3AW	6/18/03	VOCs														
MW3AW	6/18/02	Metals, Dissolved														
MW3AW	6/18/02	Metals														
MW3BW	6/18/02	VOCs														
MW3BW	7/18/02	VOCs														
MW3BW	8/15/02	VOCs														
MW3BW	9/19/02	VOCs														
MW3BW	10/15/02	VOCs														
MW3BW	11/22/02	VOCs														
MW3BW	12/16/02	VOCs														
MW3BW	1/20/03	VOCs														
MW3BW	2/20/03	VOCs														
MW3BW	3/17/03	VOCs														
MW3BW	4/17/03	VOCs														
MW3BW	5/19/03	VOCs														
MW3BW	6/18/03	VOCs														
MW3BW	6/18/02	Metals, Dissolved														
MW3BW	6/18/02	Metals														
MW3W	7/28/00	VOCs														
MW3W	1/10/01	VOCs														
MW3W	5/9/01	VOCs														
MW3W	7/24/01	VOCs														
MW3W	10/25/01	VOCs														
MW3W	3/6/02	VOCs														
MW3W	6/19/02	VOCs														
MW3W	7/18/02	VOCs														
MW3W	8/15/02	VOCs														
MW3W	9/23/02	VOCs														
MW3W	10/15/02	VOCs														
MW3W	11/22/02	VOCs														
MW3W	12/16/02	VOCs														

Sample ID	Date	Group	Aliphatics nC6 (TX1006)	Aliphatics >nC6 to nC8 (TX1006)	Aliphatics >nC8 to nC10 (TX1006)	Aliphatics >nC10 to nC12 (TX1006)	Aliphatics >nC12 to nC16 (TX1006)	Aliphatics >nC16 to nC21 (TX1006)	Aliphatics >nC21 to nC35 (TX1006)	Aromatics >nC7 to nC8 (TX1006)	Aromatics >nC8 to nC10 (TX1006)	Aromatics >nC10 to nC12 (TX1006)	Aromatics >nC12 to nC16 (TX1006)	Aromatics >nC16 to nC21 (TX1006)	Aromatics >nC21 to nC35 (TX1006)	Total Petroleum Hydrocarbons (TX1006)
MW3W	1/20/03	VOCs														
MW3W	2/20/03	VOCs														
MW3W	3/17/03	VOCs														
MW3W	4/17/03	VOCs														
MW3W	5/19/03	VOCs														
MW3W	6/18/03	VOCs														
MW3W	7/28/00	TPH														
MW3W	7/28/00	PCB														
MW3W	5/9/01	PCB														
MW3W	7/24/01	PCB														
MW3W	10/25/01	PCB														
MW3W	7/28/00	PAHs														
MW3W	5/9/01	Metals, Dissolved														
MW3W	10/25/01	Metals, Dissolved														
MW3W	6/19/02	Metals, Dissolved														
MW3W	7/28/00	Metals														
MW3W	1/10/01	Metals														
MW3W	5/9/01	Metals														
MW3W	7/24/01	Metals														
MW3W	10/25/01	Metals														
MW3W	6/19/02	Metals														
MW3W	7/28/00	Cyanide														
MW3W DUP	7/28/00	VOCs														
MW3W DUP	5/9/01	VOCs														
MW3W DUP	7/24/01	VOCs														
MW3W DUP	10/25/01	VOCs														
MW3W DUP	3/6/02	VOCs														
MW3W DUP	8/15/02	VOCs														
MW3W DUP	7/28/00	TPH														
MW3W DUP	7/28/00	PCB														
MW3W DUP	5/9/01	PCB														
MW3W DUP	7/24/01	PCB														
MW3W DUP	10/25/01	PCB														
MW3W DUP	7/28/00	PAHs														
MW3W DUP	5/9/01	Metals, Dissolved														
MW3W DUP	10/25/01	Metals, Dissolved														
MW3W DUP	7/28/00	Metals														
MW3W DUP	5/9/01	Metals														
MW3W DUP	7/24/01	Metals														
MW3W DUP	10/25/01	Metals														
MW3W DUP	7/28/00	Cyanide														
MW7W	7/28/00	VOCs														
MW7W	1/9/01	VOCs														
MW7W	5/9/01	VOCs														
MW7W	7/23/01	VOCs														
MW7W	10/23/01	VOCs														
MW7W	3/11/02	VOCs														
MW7W	5/31/02	VOCs														
MW7W	8/16/02	VOCs														
MW7W	12/11/02	VOCs														
MW7W	3/14/03	VOCs														
MW7W	6/18/03	VOCs														

Appendix G-2B
Groundwater Data for Sub-area 6B: GKN Facility
Boeing Tract 1, St. Louis, Missouri

Sample ID	Date	Group	Aliphatics nC6 (TX1006)	Aliphatics >nC6 to nC8 (TX1006)	Aliphatics >nC8 to nC10 (TX1006)	Aliphatics >nC10 to nC12 (TX1006)	Aliphatics >nC12 to nC16 (TX1006)	Aliphatics >nC16 to nC21 (TX1006)	Aliphatics >nC21 to nC35 (TX1006)	Aromatics >nC7 to nC8 (TX1006)	Aromatics >nC8 to nC10 (TX1006)	Aromatics >nC10 to nC12 (TX1006)	Aromatics >nC12 to nC16 (TX1006)	Aromatics >nC16 to nC21 (TX1006)	Aromatics >nC21 to nC35 (TX1006)	Total Petroleum Hydrocarbons (TX1006)
MW7W	7/28/00	TPH														
MW7W	7/28/00	PCB														
MW7W	7/28/00	PAHs														
MW7W	1/9/01	Metals, Dissolved														
MW7W	5/9/01	Metals, Dissolved														
MW7W	10/23/01	Metals, Dissolved														
MW7W	7/28/00	Metals														
MW7W	1/9/01	Metals														
MW7W	5/9/01	Metals														
MW7W	7/23/01	Metals														
MW7W	10/23/01	Metals														
MW7W	7/28/00	Cyanide														
MW7W DUP	12/11/02	VOCs														
MW9DW	9/28/00	VOCs														
MW9DW	1/12/01	VOCs														
MW9DW	5/8/01	VOCs														
MW9DW	7/23/01	VOCs														
MW9DW	10/23/01	VOCs														
MW9DW	3/7/02	VOCs														
MW9DW	5/29/02	VOCs														
MW9DW	8/12/02	VOCs														
MW9DW	12/11/02	VOCs														
MW9DW	3/14/03	VOCs														
MW9DW	6/23/03	VOCs														
MW9DW	1/12/01	Metals, Dissolved														
MW9DW	9/28/00	Metals														
MW9DW	1/12/01	Metals														
MW9DW	5/8/01	Metals														
MW9DW	7/23/01	Metals														
MW9DW	10/23/01	Metals														
MW9DW DUP	1/12/01	VOCs														
MW9DW DUP	12/11/02	VOCs														
MW9DW DUP	1/12/01	Metals, Dissolved														
MW9DW DUP	1/12/01	Metals														
MW9SW	9/28/00	VOCs														
MW9SW	1/8/01	VOCs														
MW9SW	5/8/01	VOCs														
MW9SW	7/23/01	VOCs														
MW9SW	10/23/01	VOCs														
MW9SW	3/7/02	VOCs														
MW9SW	6/4/02	VOCs														
MW9SW	8/12/02	VOCs														
MW9SW	12/3/02	VOCs														
MW9SW	3/20/03	VOCs														
MW9SW	6/23/03	VOCs														
MW9SW	7/23/01	PCB														
MW9SW	10/23/01	PCB														
MW9SW	1/8/01	Metals, Dissolved														
MW9SW	5/8/01	Metals, Dissolved														
MW9SW	10/23/01	Metals, Dissolved														
MW9SW	3/7/02	Metals, Dissolved														
MW9SW	6/4/02	Metals, Dissolved														

Sample ID	Date	Group	Aliphatics nC6 (TX1006)	Aliphatics >nC6 to nC8 (TX1006)	Aliphatics >nC8 to nC10 (TX1006)	Aliphatics >nC10 to nC12 (TX1006)	Aliphatics >nC12 to nC16 (TX1006)	Aliphatics >nC16 to nC21 (TX1006)	Aliphatics >nC21 to nC35 (TX1006)	Aromatics >nC7 to nC8 (TX1006)	Aromatics >nC8 to nC10 (TX1006)	Aromatics >nC10 to nC12 (TX1006)	Aromatics >nC12 to nC16 (TX1006)	Aromatics >nC16 to nC21 (TX1006)	Aromatics >nC21 to nC35 (TX1006)	Total Petroleum Hydrocarbons (TX1006)
MW9SW	8/12/02	Metals, Dissolved														
MW9SW	12/3/02	Metals, Dissolved														
MW9SW	3/20/03	Metals, Dissolved														
MW9SW	6/23/03	Metals, Dissolved														
MW9SW	9/28/00	Metals														
MW9SW	1/8/01	Metals														
MW9SW	5/8/01	Metals														
MW9SW	7/23/01	Metals														
MW9SW	10/23/01	Metals														
MW9SW	3/7/02	Metals														
MW9SW	6/4/02	Metals														
MW9SW	8/12/02	Metals														
MW9SW	12/3/02	Metals														
MW9SW	3/20/03	Metals														
MW9SW	6/23/03	Metals														
PB1W	7/24/00	TPH														
PB1W	7/24/00	PCB														
RC10W	11/14/00	VOCs														
RC10W	11/14/00	Metals														
RC11W	12/7/00	VOCs														
RC12W	12/7/00	VOCs														
RC1W	7/25/00	VOCs														
RC1W	7/25/00	TPH														
RC1W	7/25/00	PCB														
RC1W	7/25/00	PAHs														
RC1W	7/25/00	Metals														
RC1W	7/25/00	Cyanide														
RC2W	7/25/00	VOCs														
RC2W	7/25/00	TPH														
RC2W-2004	4/29/04	TPH	<500	4000	<500	<500	<500	<500	<500	3000	<500	<500	<500	<500	<500	7000
RC2W	7/25/00	PCB														
RC2W	7/25/00	PAHs														
RC2W	7/25/00	Metals														
RC2W	7/25/00	Cyanide														
RC3W	7/25/00	VOCs														
RC3W	7/25/00	TPH														
RC3W	7/25/00	PCB														
RC3W	7/25/00	PAHs														
RC3W	7/25/00	Metals														
RC3W	7/25/00	Cyanide														
RC3W DUP	7/25/00	VOCs														
RC3W DUP	7/25/00	TPH														
RC3W DUP	7/25/00	PCB														
RC3W DUP	7/25/00	PAHs														
RC3W DUP	7/25/00	Metals														
RC3W DUP	7/25/00	Cyanide														
RC4W	9/19/00	VOCs														
RC4W	9/19/00	Metals														
RC5W	9/18/00	VOCs														
RC5W	9/18/00	Metals														
RC6DW	9/19/00	VOCs														
RC6DW	8/15/02	VOCs														
RC6DW	12/16/02	VOCs														

Appe[illegible]G-2B
Groundwater Data for Sub-area 6B: GKN Facility
Boeing Tract 1, St. Louis, Missouri

Sample ID	Date	Group	Aliphatics nC6 (TX1006)	Aliphatics >nC6 to nC8 (TX1006)	Aliphatics >nC8 to nC10 (TX1006)	Aliphatics >nC10 to nC12 (TX1006)	Aliphatics >nC12 to nC16 (TX1006)	Aliphatics >nC16 to nC21 (TX1006)	Aliphatics >nC21 to nC35 (TX1006)	Aromatics >nC7 to nC8 (TX1006)	Aromatics >nC8 to nC10 (TX1006)	Aromatics >nC10 to nC12 (TX1006)	Aromatics >nC12 to nC16 (TX1006)	Aromatics >nC16 to nC21 (TX1006)	Aromatics >nC21 to nC35 (TX1006)	Total Petroleum Hydrocarbons (TX1006)
RC6DW	3/21/03	VOCs														
RC6DW	6/23/03	VOCs														
RC6DW	9/19/00	Metals														
RC6SW	9/18/00	VOCs														
RC6SW	9/18/00	Metals														
RC7W	9/18/00	VOCs														
RC7W	9/18/00	Metals														
RC8DW	9/19/00	VOCs														
RC8DW	8/15/02	VOCs														
RC8DW	12/16/02	VOCs														
RC8DW	3/21/03	VOCs														
RC8DW	6/24/03	VOCs														
RC8DW	9/19/00	Metals, Dissolved														
RC8SW	9/19/00	VOCs														
RC8SW	9/19/00	Metals														
RC9W	11/15/00	VOCs														
RC9W	11/15/00	PCB														
RC9W	11/15/00	Metals, Dissolved														
RC9W	11/15/00	Metals														
RR5W	9/20/00	Metals, Dissolved														
RR5W	9/20/00	Metals														

Notes:
All concentrations in ug/L (micrograms per liter)
< Less than detection limit shown
Blanks: Not analyzed
VOC: Volatile organic carbon
TPH: Total petroleum hydrocarbon
PAH: Polynuclear aromatic hydrocarbon
PCB: Polychlorinated byphenol
Lab qualifiers in Section 1.0

Appendix G-1C
Soil Data for Sub-area 6C: GKN Facility
Boeing Tract 1, St. Louis, Missouri

Group		VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	TPH
Sample ID	Depth (ft bgs)	1,2-Dichloro ethene (total)	Acetone	Chloro form	cis-1,2-Dichloro ethene	Dichloro difluoro methane	Ethyl benzene	Methyl ethyl ketone (MEK)	Methyl isobutyl ketone	Methylene chloride	o-Xylene	Trichloro ethene	Xylenes, Total	Diesel #1
B20E1-6	6						3200				1200		1200	
B20E2-8	8						< 1.3				< 1.3		< 2.6	
B27E10-12	12		< 26	< 6.5	< 3.3		< 6.5	< 26	< 26	< 6.5		< 6.5	< 6.5	
B27E15-8	8		< 250	< 25	< 5	< 5	< 50	< 250	< 250	< 25		< 5	< 50	< 5000
B27E15-8 Dup	8						< 50						< 50	< 5000
B27E1-9	9	J 2.4	< 25	< 6.3			< 6.3	< 25	< 25	< 6.3		11	< 6.3	
B27E2-12	12	< 6.3	< 25	< 6.3			< 6.3	< 25	< 25	< 6.3		< 6.3	< 6.3	
B27E3-12	12		< 25	< 6.3	< 3.2		< 6.3	< 25	< 25	< 6.3		< 6.3	< 6.3	
B27E4-12	12		< 25	< 6.2	7		< 6.2	< 25	< 25	< 6.2		37	< 6.2	
B27E5-14	14		< 25	< 6.2	< 3.1		< 6.2	< 25	< 25	< 6.2		< 6.2	< 6.2	
B27E6-12	12		< 25	< 6.4	< 3.2		< 6.4	< 25	< 25	< 6.4		< 6.4	< 6.4	
B27E7-10	10		< 25	< 6.2	< 3.1		< 6.2	< 25	< 25	8.3		< 6.2	< 6.2	
B27E8-11	11		< 26	< 6.6	< 3.3		< 6.6	< 26	< 26	8.7		< 6.6	< 6.6	
B27E9-10	10		< 26	< 6.4	< 3.2		< 6.4	< 26	< 26	8.3		< 6.4	< 6.4	
B27I10-9	9													
B27I1-12	12	J 6.1	< 26	J 2.1			< 6.5	JB 12	< 26	< 6.5		D 290	< 6.5	
B27I11-9	9													
B27I12-8	8			< 1	< 1	3.6	< 50			< 1	< 1	< 1	< 50	< 5000
B27I12-8 Dup	8			< 1	< 1	2.7	< 1			< 1	< 1	< 1		
B27I13-6	6			< 1	< 1	< 1	< 50			< 1	< 1	< 1	< 50	< 5000
B27I13-6 Dup	6						< 50						< 50	< 5000
B27I2-11	11	< 6.7	< 27	< 6.7			< 6.7	JB 14	< 27	< 6.7		J 4.4	< 6.7	
B27I3-12	12	< 6.4	< 26	< 6.4			< 6.4	JB 11	< 26	< 6.4		J 5.5	< 6.4	
B27I4-5	5	< 6.2	82	< 6.2			< 6.2	JB 18	< 25	< 6.2		< 6.2	< 6.2	
B27I5-14	14	< 6.2	< 25	< 6.2			< 6.2	< 25	< 25	< 6.2		< 6.2	< 6.2	
B27I6-8	8	< 6.3	J 20	< 6.3			< 6.3	< 25	< 25	< 6.3		< 6.3	< 6.3	
B27I6-8 DUP	8	< 6.9	J 25	< 6.9			< 6.9	< 28	< 28	< 6.9		< 6.9	< 6.9	
B27I7-14	14	< 6.1	< 24	< 6.1			< 6.1	JB 12	< 24	< 6.1		< 6.1	< 6.1	
B27I7-3	3	< 6.6	< 27	< 6.6			< 6.6	JB 8.9	< 27	< 6.6		< 6.6	< 6.6	
B27I8-15	15	< 6.6	< 27	< 6.6			< 6.6	JB 6.7	< 27	< 6.6		< 6.6	< 6.6	
B27I9-9	9	< 6.4	110	< 6.4			< 6.4	< 26	J 6.7	< 6.4		< 6.4	< 6.4	
B27S1-5	5	< 6.4	< 25	< 6.4			< 6.4	< 25	< 25	< 6.4		< 6.4	< 6.4	
B27S2-8	8	< 6.4	< 26	< 6.4			< 6.4	< 26	< 26	< 6.4		< 6.4	< 6.4	
B27S3-22	22	< 8	58	< 8			< 8	< 32	< 32	< 8		< 8	< 8	
EPE1-2	2													
EPE2-2	2													
MW-5-12	12	< 6.4	< 26	< 6.4			< 6.4	< 26	< 26	< 6.4		13	< 6.4	
MW-5-2	2													
MW5AD-12	12			< 5	< 5		< 5			< 5		< 5	< 5	
MW5AD-31	31			< 5	< 5		< 5			< 5		< 5	< 5	
MW5AD-43	43			< 5	< 5		< 5			< 5		< 5	< 5	
MW-8-14	14	< 6.7	< 27	< 6.7			< 6.7	J 15	< 27	< 6.7		< 6.7	< 6.7	
MW-8-2	2													
MW8AD-19	19			< 5	< 5					< 5		< 5		
MW8AD-29	29			< 5	< 5					< 5		< 5		
MW8AD-38	38			< 5	< 5		< 5			< 5		< 5	< 5	
MW8AD-48	48			< 5	< 5		< 5			< 5		< 5	< 5	
MW8AS-12	12			< 5	< 5		< 5			< 5		< 5	< 5	
MW8AS-12 DUP	12			< 5	< 5		< 5			< 5		< 5	< 5	
RR3-2	2													
RR4-3	3													

Notes:
All concentrations in ug/kg (micrograms per kilogram)
< Less than detection limit shown
Blanks: Not analyzed
NA: Not available
ND: Not detected
ft bgs: Feet below ground surface
VOC: Volatile organic carbon
TPH: Total petroleum hydrocarbon
PAH: Polynuclear aromatic hydrocarbon
Lab qualifiers in Section 1.0

Appe[illegible]1C
Soil Data for Sub-area 6C: GKN Facility
Boeing Tract 1, St. Louis, Missouri

Group		TPH	TPH	TPH	TPH	TPH	TPH	TPH	PAHs	PAHs	PAHs	PAHs	Metals
Sample ID	Depth (ft bgs)	Diesel #2	Gasoline (C6-C14)	Kerosene	Motor Oil	Stoddard Solvent	TPH as Diesel	Volatile Petroleum Hydrocarbons	Benzo(a) anthracene	Benzo(b) fluoranthene	Chrysene	Fluoranthene	Arsenic
B20E1-6	6						170000	< 130					
B20E2-8	8						490000	320000					
B27E10-12	12												2700
B27E15-8	8	< 5000	< 5000	< 5000	< 5000	< 5000							
B27E15-8 Dup	8	< 5000	< 5000	< 5000	< 5000	< 5000							
B27E1-9	9						< 31000	< 130	< 19	< 19	< 19	< 38	7200
B27E2-12	12						4500000	240	94	39	< 19	44	9400
B27E3-12	12												2700
B27E4-12	12												1500
B27E5-14	14												4400
B27E6-12	12												4600
B27E7-10	10												2800
B27E8-11	11												4200
B27E9-10	10												5900
B27I10-9	9			< 320000			650000	< 130					
B27I1-12	12						< 32000	150	< 19	< 19	< 19	< 39	5500
B27I11-9	9			< 31000			120000	< 130					
B27I12-8	8	< 5000	< 5000	< 5000	< 5000	< 5000							
B27I12-8 Dup	8												
B27I13-6	6	< 5000	< 5000	< 5000	< 5000	< 5000							
B27I13-6 Dup	6	< 5000	< 5000	< 5000	< 5000	< 5000							
B27I2-11	11						< 33000	< 130	< 20	< 20	< 20	< 40	3700
B27I3-12	12						< 32000	< 130	< 19	< 19	< 19	< 38	7700
B27I4-5	5						< 31000	< 120	< 19	< 19	72	< 37	4400
B27I5-14	14						< 31000	< 120	< 19	< 19	< 19	< 37	5400
B27I6-8	8						< 32000	< 130	< 19	< 19	< 19	< 38	7900
B27I6-8 DUP	8						< 34000	< 140	< 21	< 21	< 21	< 41	13800
B27I7-14	14						< 31000	< 120					
B27I7-3	3						< 33000	< 130	< 20	< 20	< 20	< 40	7700
B27I8-15	15						< 33000	< 130	< 20	< 20	< 20	< 40	8500
B27I9-9	9						1400000	< 130	< 190	< 190	740	< 380	6500
B27S1-5	5						< 32000	< 130	< 19	< 19	< 19	< 38	2200
B27S2-8	8						< 32000	< 130	< 19	< 19	< 19	< 38	7000
B27S3-22	22						< 40000	< 160	< 24	< 24	160	< 48	7500
EPE1-2	2												
EPE2-2	2												
MW-5-12	12						< 32000	< 130	< 19	< 19	< 19	< 39	8200
MW-5-2	2												
MW5AD-12	12												
MW5AD-31	31												
MW5AD-43	43												
MW-8-14	14						< 34000	< 130	< 20	< 20	< 20	< 40	5800
MW-8-2	2												
MW8AD-19	19												
MW8AD-29	29												
MW8AD-38	38												
MW8AD-48	48												
MW8AS-12	12												9500
MW8AS-12 DUP	12												12000
RR3-2	2												
RR4-3	3												

Notes:
All concentrations in ug/kg (micrograms per kilogram)
< Less than detection limit shown
Blanks: Not analyzed
NA: Not available
ND: Not detected
ft bgs: Feet below ground surface
VOC: Volatile organic carbon
TPH: Total petroleum hydrocarbon
PAH: Polynuclear aromatic hydrocarbon
Lab qualifiers in Section 1.0

App[illegible]G-1C
Soil Data for Sub-area 6C: GKN Facility
Boeing Tract 1, St. Louis, Missouri

Group		Metals	Metals	Metals	Metals	Metals	Metals	BIO	BIO	BIO	BIO
Sample ID	Depth (ft bgs)	Barium	Cadmium	Chromium	Lead	Mercury	Selenium	Chloride	Iron	Nitrate	Sulfate
B20E1-6	6										
B20E2-8	8										
B27E10-12	12	91800	< 650	11800	7600	< 130	< 650				
B27E15-8	8			10000							
B27E15-8 Dup	8										
B27E1-9	9	164000	B 290	69800	14100	47	< 630				
B27E2-12	12	176000	1200	17200	10400	B 25	< 630				
B27E3-12	12	101000	< 630	11800	9200	< 130	< 630				
B27E4-12	12	64800	< 620	13700	7000	< 120	< 620				
B27E5-14	14	103000	740	10900	10600	< 120	< 620				
B27E6-12	12	85100	< 640	13300	7600	< 130	< 640				
B27E7-10	10	75700	< 620	9300	7300	< 120	< 620				
B27E8-11	11	146000	660	13700	8000	< 130	< 660				
B27E9-10	10	163000	740	13400	12600	< 130	< 640				
B27I10-9	9										
B27I1-12	12	152000	B 76	13400	9100	B 19	< 650				
B27I11-9	9										
B27I12-8	8										
B27I12-8 Dup	8										
B27I13-6	6										
B27I13-6 Dup	6										
B27I2-11	11	71600	< 670	14400	6800	B 21	< 670				
B27I3-12	12	142000	B 98	17500	9700	B 26	< 640				
B27I4-5	5	233000	< 620	13200	8700	B 19	< 620				
B27I5-14	14	122000	< 620	17900	12800	B 30	< 620				
B27I6-8	8	116000	< 630	73300	10600	B 22	< 630				
B27I6-8 DUP	8	216000	< 690	114000	16200	B 32	< 690				
B27I7-14	14										
B27I7-3	3	293000	< 660	18000	12200	B 17	B 530				
B27I8-15	15	295000	B 180	18700	11700	B 21	< 660				
B27I9-9	9	189000	< 640	17600	14000	B 20	< 640				
B27S1-5	5	75400	< 640	10700	6400	B 11	< 640				
B27S2-8	8	108000	< 640	16000	10500	B 29	< 640				
B27S3-22	22	104000	B 50	15300	8000	B 21	< 800				
EPE1-2	2										
EPE2-2	2										
MW-5-12	12	84400	< 640	14500	8600	B 16	< 640				
MW-5-2	2										
MW5AD-12	12										
MW5AD-31	31										
MW5AD-43	43										
MW-8-14	14	107000	< 670	18100	11900	B 18	< 670				
MW-8-2	2										
MW8AD-19	19										
MW8AD-29	29										
MW8AD-38	38										
MW8AD-48	48										
MW8AS-12	12	189000	890	15600	8300	< 130	< 640	178000	20100000	2900	21400
MW8AS-12 DUP	12	418000	1900	17200	11300	< 130	< 650				
RR3-2	2										
RR4-3	3										

Notes:
All concentrations in ug/kg (micrograms per kilogram)
< Less than detection limit shown
Blanks: Not analyzed
NA: Not available
ND: Not detected
ft bgs: Feet below ground surface
VOC: Volatile organic carbon
TPH: Total petroleum hydrocarbon
PAH: Polynuclear aromatic hydrocarbon
Lab qualifiers in Section 1.0

Appendix G-2C
Groundwater Data for Sub-area 6C: GKN Facility
Boeing Tract 1, St. Louis, Missouri

Sample ID	Date	Group	#6 Fuel Oil (C10-C32)	1,1,2-Trichloro ethane	1,1-Dichloro ethene	1,2-Dichloro ethene (Total)	2-Hexanone (MBK)	Acetone	Arsenic	Arsenic, Dissolved	Barium	Barium, Dissolved	Benzene	Bromo dichloro methane	Cadmium	Carbon Disulfide
B2SMW1W	1/11/01	VOCs		< 5	< 5	< 5	< 10	< 10					< 5	< 5		< 5
B2SMW1W	5/9/01	VOCs		< 1	< 1			< 50					< 1	< 1		
B2SMW1W	7/23/01	VOCs		< 1	< 1			< 50					< 1	< 1		
B2SMW1W	10/24/01	VOCs		< 1	< 1			< 50					< 1	< 1		
B2SMW1W	3/21/02	VOCs		< 1	< 1			< 50					< 1	< 1		
B2SMW1W	5/31/02	VOCs		< 1	< 1			< 50					< 1	< 1		
B2SMW1W	6/25/03	VOCs		< 1	< 1			< 50					< 1	< 1		
B2SMW1W	9/20/00	TPH														
B2SMW1W	1/11/01	TPH	< 100													
B2SMW1W	5/9/01	TPH														
B2SMW1W	7/23/01	TPH														
B2SMW1W	10/24/01	TPH														
B2SMW1W	5/31/02	TPH														
B2SMW1W	6/25/03	TPH	< 100													
B2SMW1W	1/11/01	Metals, Dissolved								< 50		379				
B2SMW1W	9/20/00	Metals							77.8		2110				< 5000	
B2SMW1W	1/11/01	Metals							52		1010				< 10	
B2SMW1W	5/9/01	Metals							< 5		360				< 2	
B2SMW1W	7/23/01	Metals							8.2		560				< 2	
B2SMW1W	10/24/01	Metals							5.4		430				< 2	
B2SMW4W	1/11/01	VOCs		< 5	< 5	< 5	< 10	< 10					< 5	< 5		< 5
B2SMW4W	5/9/01	VOCs		< 1	< 1			< 50					< 1	< 1		
B2SMW4W	7/23/01	VOCs		< 1	< 1			< 50					< 1	< 1		
B2SMW4W	10/24/01	VOCs		< 1	< 1			< 50					< 1	< 1		
B2SMW4W	3/11/02	VOCs		< 1	< 1			< 50					< 1	< 1		
B2SMW4W	5/31/02	VOCs		< 1	< 1			< 50					< 1	< 1		
B2SMW4W	9/20/00	TPH														
B2SMW4W	1/11/01	TPH	< 100													
B2SMW4W	5/9/01	TPH														
B2SMW4W	7/23/01	TPH														
B2SMW4W	10/24/01	TPH														
B2SMW4W	3/11/02	TPH														
B2SMW4W	5/31/02	TPH														
B2SMW4W	1/11/01	Metals, Dissolved								72		832				
B2SMW4W	5/9/01	Metals, Dissolved								< 5		440				
B2SMW4W	10/24/01	Metals, Dissolved								12		520				
B2SMW4W	3/21/02	Metals, Dissolved								< 10		560				
B2SMW4W	5/31/02	Metals, Dissolved								< 10		580				
B2SMW4W	9/20/00	Metals							277		6400				< 5000	
B2SMW4W	1/11/01	Metals							150		3980				< 50	
B2SMW4W	5/9/01	Metals							53		3200				19	
B2SMW4W	7/23/01	Metals							87		890				< 2	
B2SMW4W	10/24/01	Metals							100		580				< 2	

Appendix G-2C
Groundwater Data for Sub-area 6C: GKN Facility
Boeing Tract 1; St. Louis, Missouri

Sample ID	Date	Group	#6 Fuel Oil (C10-C32)	1,1,2-Trichloro ethane	1,1-Dichloro ethene	1,2-Dichloro ethene (Total)	2-Hexanone (MBK)	Acetone	Arsenic	Arsenic, Dissolved	Barium	Barium, Dissolved	Benzene	Bromo dichloro methane	Cadmium	Carbon Disulfide
B25MW4W	3/21/02	Metals							61		1200				< 5	
B25MW4W	5/31/02	Metals							100		2900				< 5	
B27E10W	11/13/00	VOCs		< 5	< 5		< 20	< 20					< 5	< 5		< 5
B27E10W	11/13/00	Metals							86.2		4530				< 5000	
B27E11W	11/14/00	VOCs		< 5	< 5		< 20	< 20					< 5	< 5		< 5
B27E11W	11/14/00	Metals							674		16900				< 5000	
B27E15W	7/25/03	VOCs		< 1	< 1			< 50					< 5	< 1		
B27E15W	7/25/03	TPH														
B27E15W	7/25/03	Metals, Dissolved														
B27E15W	7/25/03	Metals														
B27E15W Dup	7/25/03	VOCs											< 5			
B27E15W Dup	7/25/03	TPH														
B27E1W	7/21/00	VOCs		1.3	J 0.58	D 740	< 5	< 10					< 1	J 0.73		< 1
B27E1W	7/21/00	TPH														
B27E1W	7/21/00	PCB														
B27E1W	7/21/00	PAHs														
B27E1W	7/21/00	Metals							< 10		421				B 1.6	
B27E2W	7/20/00	VOCs		< 1	< 1	< 1	< 5	J 5.9					< 1	< 1		J 0.91
B27E2W	7/20/00	TPH														
B27E2W-2004	4/29/04	TPH														
B27E2W	7/20/00	PCB														
B27E2W	7/20/00	PAHs														
B27E2W	7/20/00	Metals							B 7		526				< 5	
B27E3W	9/19/00	VOCs			< 5								< 5			
B27E3W	9/18/00	Metals							49.5		1870				< 5000	
B27E4W	9/19/00	VOCs			< 5								< 5			
B27E4W	9/21/00	Metals, Dissolved								< 10		< 200				
B27E4W	9/18/00	Metals							< 10		885				< 5000	
B27E4W DUP	9/19/00	VOCs			< 5								< 5			
B27E4W DUP	9/21/00	Metals, Dissolved								< 10		< 200				
B27E4W DUP	9/21/00	Metals							< 10		< 200				< 5000	
B27E5W	9/20/00	VOCs		< 5	< 5		< 20	< 20					< 5	< 5		< 5
B27E5W	9/20/00	Metals							11.8		809				< 5000	
B27E5W DUP	9/20/00	VOCs			< 5								< 5			
B27E6W	9/19/00	VOCs			< 5								< 5			
B27E6W	9/19/00	Metals							89.6		2420				< 5000	
B27E6W DUP	9/19/00	VOCs			< 5								< 5			
B27E7W	11/13/00	VOCs		< 5	< 5		< 20	< 20					< 5	< 5		< 5
B27E7W	11/13/00	Metals							562		15400				< 5000	
B27E8W	11/13/00	VOCs		< 5	< 5		< 20	< 20					< 5	< 5		< 5
B27E8W	11/13/00	Metals							97.2		3060				< 5000	
B27E9W	11/13/00	VOCs		< 5	< 5		< 20	< 20					< 5	< 5		< 5
B27E9W	11/13/00	Metals							480		33300				< 5000	

Groundwater Data for Sub-area 6C: GKN Facility
Boeing Tract 1, St. Louis, Missouri

Sample ID	Date	Group	#6 Fuel Oil (C10-C32)	1,1,2-Trichloro ethane	1,1-Dichloro ethene	1,2-Dichloro ethene (Total)	2-Hexanone (MBK)	Acetone	Arsenic	Arsenic, Dissolved	Barium	Barium, Dissolved	Benzene	Bromo dichloro methane	Cadmium	Carbon Disulfide
B27I10W	11/16/00	TPH														
B27I11W	11/16/00	TPH														
B27I12W	7/22/03	VOCs		< 1	< 1								< 5	< 1		
B27I12W	7/22/03	TPH														
B27I12W Dup	7/22/03	VOCs		< 1	< 1								< 1	< 1		
B27I13W	7/22/03	VOCs		< 1	< 1								< 5	< 1		
B27I13W	7/22/03	TPH														
B27I13W Dup	7/22/03	VOCs											< 5			
B27I13W Dup	7/22/03	TPH														
B27I1W	7/21/00	VOCs		< 1	2	D 290	< 5	< 10					< 1	< 1		< 1
B27I1W	7/21/00	TPH														
B27I1W	7/21/00	PCB														
B27I1W	7/21/00	PAHs														
B27I1W	7/21/00	Metals							33.3		1250				B 0.41	
B27I2W	7/21/00	VOCs		< 1	1.5	D 290	< 5	< 10					< 1	< 1		< 1
B27I2W	7/25/00	VOCs														
B27I2W	7/24/00	TPH														
B27I2W	7/26/00	TPH														
B27I2W	7/25/00	PAHs														
B27I2W	7/24/00	Metals							15.3		538				B 2.4	
B27I5W	7/21/00	VOCs		< 1	< 1	J 0.81	< 5	< 10					< 1	< 1		< 1
B27I5W	7/21/00	TPH														
B27I5W	7/21/00	PCB														
B27I5W	7/21/00	PAHs														
B27I5W	7/21/00	Metals							16.2		2500				B 2.2	
B27I6W	7/25/00	VOCs		< 1	< 1	J 0.51	< 5	J 5.4					J 0.24	< 1		< 1
B27I6W	7/26/00	VOCs														
B27I6W	7/25/00	TPH														
B27I6W	7/26/00	TPH														
B27I6W	7/26/00	PAHs														
B27I6W	7/26/00	Metals							16.1		1020				< 5	
B27I7W	7/21/00	VOCs		< 1	< 1	< 1	< 5	< 10					< 1	< 1		< 1
B27I7W	7/21/00	TPH														
B27I7W	7/21/00	PCB														
B27I7W	7/21/00	PAHs														
B27I7W	7/21/00	Metals							255		5460				11.3	
B27I8W	7/21/00	VOCs		< 1	< 1	J 0.38	< 5	< 10					< 1	< 1		< 1
B27I8W	7/21/00	TPH														
B27I8W	7/21/00	PCB														
B27I8W	7/21/00	PAHs														
B27I8W	7/21/00	Metals							64.4		703				5	
B27I9W	7/25/00	VOCs		< 1	< 1	< 1	16	33					< 1	< 1		2.3

Sample ID	Date	Group	#6 Fuel Oil (C10-C32)	1,1,2-Trichloro ethane	1,1-Dichloro ethene	1,2-Dichloro ethene (Total)	2-Hexanone (MBK)	Acetone	Arsenic	Arsenic, Dissolved	Barium	Barium, Dissolved	Benzene	Bromo dichloro methane	Cadmium	Carbon Disulfide
B27I9W	7/25/00	TPH														
B27I9W-2004	4/29/04	TPH														
B27I9W	7/25/00	PAHs														
B27I9W	7/25/00	Metals							158		1980				B 0.96	
B27I9W DUP	7/25/00	VOCs		< 1	< 1	< 1	16	36					< 1	< 1		2
B27I9W DUP	7/25/00	TPH														
B27I9W DUP	7/25/00	PAHs														
B27I9W DUP	7/25/00	Metals							177		2210				B 1.3	
B27S1W	7/20/00	VOCs		< 1	< 1	< 1	< 5	< 10					< 1	< 1		< 1
B27S1W	7/20/00	TPH														
B27S1W	7/20/00	PCB														
B27S1W	7/20/00	PAHs														
B27S1W	7/20/00	Metals							68.2		2010				< 5	
B27S2W	7/20/00	VOCs		< 1	< 1	< 1	< 5	< 10					< 1	< 1		< 1
B27S2W	7/20/00	TPH														
B27S2W	7/20/00	PCB														
B27S2W	7/20/00	PAHs														
B27S2W	7/20/00	Metals							93.5		1950				< 5	
B27S3W	7/20/00	VOCs		< 1	< 1	3.4	< 5	J 4.4					< 1	< 1		< 1
B27S3W	7/20/00	TPH														
B27S3W	7/20/00	PCB														
B27S3W	7/20/00	PAHs														
B27S3W	7/20/00	Metals							28.9		1050				< 5	
MW5ADW	9/27/00	VOCs		< 5	< 5		< 20	< 20					< 5	< 5		< 5
MW5ADW	1/11/01	VOCs		< 5	< 5	< 5	< 10	< 10					< 5	< 5		< 5
MW5ADW	5/8/01	VOCs		< 1	< 1			< 50					< 1	< 1		
MW5ADW	7/20/01	VOCs		< 1	< 1			< 50					H 1	< 1		
MW5ADW	10/22/01	VOCs		< 1	< 1			< 50					< 1	< 1		
MW5ADW	3/8/02	VOCs		< 1	< 1			< 50					< 1	< 1		
MW5ADW	6/4/02	VOCs		< 1	< 1			< 50					< 1	< 1		
MW5ADW	8/16/02	VOCs		< 1	< 1			< 50					< 1	< 1		
MW5ADW	12/10/02	VOCs		< 1	< 1			< 50					< 1	< 1		
MW5ADW	3/13/03	VOCs		< 1	< 1			< 50					< 1	< 1		
MW5ADW	6/24/03	VOCs		< 1	< 1			< 50					< 1	< 1		
MW5ADW	9/27/00	Metals, Dissolved								< 10		236				
MW5ADW	1/11/01	Metals, Dissolved								< 50		282				
MW5ADW	9/27/00	Metals							10.1		574				< 5000	
MW5ADW	1/11/01	Metals							< 50		329				< 10	
MW5ADW	5/8/01	Metals							6.1		340				< 2	
MW5ADW	7/20/01	Metals							< 5		400				< 2	
MW5ADW	10/22/01	Metals							< 5		470				< 2	
MW5ADW DUP	1/11/01	VOCs		< 5	< 5	< 5	< 10	< 10					< 5	< 5		< 5
MW5ADW DUP	1/11/01	Metals, Dissolved								< 50		281				

Sample ID	Date	Group	#6 Fuel Oil (C10-C32)	1,1,2-Trichloro ethane	1,1-Dichloro ethene	1,2-Dichloro ethene (Total)	2-Hexanone (MBK)	Acetone	Arsenic	Arsenic, Dissolved	Barium	Barium, Dissolved	Benzene	Bromo dichloro methane	Cadmium	Carbon Disulfide
MW5ADW DUP	1/11/01	Metals							< 50		321				< 10	
MW5ASW	9/27/00	VOCs		< 5	< 5		< 20	< 20					< 5	< 5		< 5
MW5ASW	1/11/01	VOCs		< 5	< 5	74	< 10	< 10					< 5	< 5		< 5
MW5ASW	5/7/01	VOCs		< 1	< 1			< 50					< 1	< 1		
MW5ASW	7/20/01	VOCs		< 1	< 1			< 50					< 1	< 1		
MW5ASW	10/22/01	VOCs		< 1	< 1			< 50					< 1	< 1		
MW5ASW	3/6/02	VOCs		< 1	< 1			< 50					< 1	< 1		
MW5ASW	6/4/02	VOCs		< 5	< 5			< 250					< 5	< 5		
MW5ASW	8/14/02	VOCs		< 1	< 1			< 50					< 1	< 1		
MW5ASW	12/10/02	VOCs		< 1	< 1			< 50					< 1	< 1		
MW5ASW	3/14/03	VOCs		< 1	< 1			< 50					< 1	< 1		
MW5ASW	6/24/03	VOCs		< 1	< 1			< 50					< 1	< 1		
MW5ASW	8/14/02	TPH														
MW5ASW	12/10/02	TPH														
MW5ASW	3/14/03	TPH														
MW5ASW	6/24/03	TPH	< 100													
MW5ASW	3/6/02	Metals, Dissolved								< 10		J4 470				
MW5ASW	6/4/02	Metals, Dissolved								< 10		400				
MW5ASW	8/14/02	Metals, Dissolved								< 10		390				
MW5ASW	12/10/02	Metals, Dissolved								< 10		390				
MW5ASW	3/14/03	Metals, Dissolved								< 10		330				
MW5ASW	6/24/03	Metals, Dissolved								< 10		320				
MW5ASW	9/27/00	Metals							< 10		577				< 5000	
MW5ASW	1/11/01	Metals							< 50		472				< 10	
MW5ASW	5/7/01	Metals							15		450				< 2	
MW5ASW	7/20/01	Metals							< 5		460				< 2	
MW5ASW	10/22/01	Metals							< 5		500				< 2	
MW5ASW	3/6/02	Metals							< 10		J4 480				< 5	
MW5ASW	6/4/02	Metals							< 10		400				< 5	
MW5ASW	8/14/02	Metals							< 10		380				< 5	
MW5ASW	12/10/02	Metals							< 10		370				9.5	
MW5ASW	3/14/03	Metals							< 10		350				< 5	
MW5ASW	6/24/03	Metals							< 10		290				< 5	
MW5BSW	12/4/00	VOCs		< 5	< 5		< 20	< 20					< 5	< 5		< 5
MW5BSW	1/8/01	VOCs		< 5	< 5	< 5	< 10	< 10					< 5	< 5		< 5
MW5BSW	5/7/01	VOCs		< 1	< 1			< 50					< 1	< 1		
MW5BSW	7/19/01	VOCs		< 1	< 1			< 50					< 1	< 1		
MW5BSW	10/22/01	VOCs		< 1	< 1			< 50					< 1	< 1		
MW5BSW	3/11/02	VOCs		< 1	< 1			< 50					< 1	< 1		
MW5BSW	5/31/02	VOCs		< 1	< 1			< 50					< 1	< 1		
MW5BSW	8/16/02	VOCs		< 1	< 1			< 50					< 1	< 1		
MW5BSW	12/10/02	VOCs		< 1	< 1			< 50					< 1	< 1		

Sample ID	Date	Group	#6 Fuel Oil (C10-C32)	1,1,2-Trichloro ethane	1,1-Dichloro ethene	1,2-Dichloro ethene (Total)	2-Hexanone (MBK)	Acetone	Arsenic	Arsenic, Dissolved	Barium	Barium, Dissolved	Benzene	Bromo dichloro methane	Cadmium	Carbon Disulfide
MW5BSW	3/14/03	VOCs		< 1	< 1			< 50					< 1	< 1		
MW5BSW	6/24/03	VOCs		< 1	< 1			< 50					< 1	< 1		
MW5BSW	8/16/02	TPH														
MW5BSW	12/10/02	TPH														
MW5BSW	3/14/03	TPH														
MW5BSW	6/24/03	TPH	< 100													
MW5BSW	12/4/00	Metals, Dissolved								< 10		< 200				
MW5BSW	12/10/02	Metals, Dissolved								< 10		380				
MW5BSW	3/14/03	Metals, Dissolved								< 10		360				
MW5BSW	6/24/03	Metals, Dissolved								< 10		350				
MW5BSW	12/4/00	Metals							< 10		316				< 5000	
MW5BSW	1/8/01	Metals							< 50		280				< 10	
MW5BSW	5/7/01	Metals							< 5		240				< 2	
MW5BSW	7/19/01	Metals							< 5		360				< 2	
MW5BSW	10/22/01	Metals							< 5		430				< 2	
MW5BSW	12/10/02	Metals							< 10		420				< 5	
MW5BSW	3/14/03	Metals							< 10		380				< 5	
MW5BSW	6/24/03	Metals							< 10		360				< 5	
MW5CSW	12/4/00	VOCs		< 5	< 5		< 20	< 20					< 5	< 5		< 5
MW5CSW	1/8/01	VOCs		< 5	< 5	< 5	< 10	< 10					< 5	< 5		< 5
MW5CSW	5/7/01	VOCs		< 1	< 1			< 50					< 1	< 1		
MW5CSW	7/19/01	VOCs		< 1	< 1			< 50					< 1	< 1		
MW5CSW	10/22/01	VOCs		< 1	< 1			< 50					< 1	< 1		
MW5CSW	5/31/02	VOCs		< 1	< 1			< 50					< 1	< 1		
MW5CSW	8/14/02	VOCs		< 1	< 1			< 50					< 1	< 1		
MW5CSW	12/10/02	VOCs		< 1	< 1			< 50					< 1	< 1		
MW5CSW	3/14/03	VOCs		< 1	< 1			< 50					< 1	< 1		
MW5CSW	6/24/03	VOCs		< 1	< 1			< 50					< 1	< 1		
MW5CSW	8/14/02	TPH														
MW5CSW	12/10/02	TPH														
MW5CSW	3/14/03	TPH														
MW5CSW	6/24/03	TPH	< 100													
MW5CSW	1/9/01	Metals, Dissolved								< 50		490				
MW5CSW	8/14/02	Metals, Dissolved								< 10		650				
MW5CSW	12/10/02	Metals, Dissolved								< 10		650				
MW5CSW	3/14/03	Metals, Dissolved								< 10		620				
MW5CSW	6/24/03	Metals, Dissolved								< 10		620				
MW5CSW	12/4/00	Metals							< 10		576				< 5000	
MW5CSW	1/8/01	Metals							< 50		510				< 10	
MW5CSW	5/7/01	Metals							14		580				< 2	
MW5CSW	7/19/01	Metals							< 5		600				< 2	
MW5CSW	10/22/01	Metals							< 5		710				< 2	

Groundwater Data for Sub-area 6C: GKN Facility
Boeing Tract 1, St. Louis, Missouri

Sample ID	Date	Group	#6 Fuel Oil (C10-C32)	1,1,2-Trichloro ethane	1,1-Dichloro ethene	1,2-Dichloro ethene (Total)	2-Hexanone (MBK)	Acetone	Arsenic	Arsenic, Dissolved	Barium	Barium, Dissolved	Benzene	Bromo dichloro methane	Cadmium	Carbon Disulfide
MW5CSW	8/14/02	Metals							< 10		620				< 5	
MW5CSW	12/10/02	Metals							< 10		650				5.2	
MW5CSW	3/14/03	Metals							< 10		660				< 5	
MW5CSW	6/24/03	Metals							< 10		650				< 5	
MW5CSW DUP	8/14/02	VOCs		< 1	< 1			< 50					< 1	< 1		
MW5DSW	12/4/00	VOCs		< 5	< 5		< 20	< 20					< 5	< 5		< 5
MW5DSW	1/8/01	VOCs		< 5	< 5	< 5	< 10	< 10					< 5	< 5		< 5
MW5DSW	5/7/01	VOCs		< 1	< 1			< 50					< 1	< 1		
MW5DSW	7/19/01	VOCs		< 1	< 1			< 50					< 1	< 1		
MW5DSW	10/25/01	VOCs		< 1	< 1			< 50					< 1	< 1		
MW5DSW	3/11/02	VOCs		< 1	< 1			< 50					< 1	< 1		
MW5DSW	5/31/02	VOCs		< 1	< 1			< 50					< 1	< 1		
MW5DSW	8/16/02	VOCs		< 1	< 1			< 50					< 1	< 1		
MW5DSW	12/11/02	VOCs		< 1	< 1			< 50					< 1	< 1		
MW5DSW	3/13/03	VOCs		< 1	< 1			< 50					< 1	< 1		
MW5DSW	6/24/03	VOCs		< 1	< 1			< 50					< 1	< 1		
MW5DSW	5/7/01	TPH														
MW5DSW	7/19/01	TPH														
MW5DSW	10/25/01	TPH														
MW5DSW	3/11/02	TPH														
MW5DSW	5/31/02	TPH														
MW5DSW	8/16/02	TPH														
MW5DSW	12/11/02	TPH														
MW5DSW	3/13/03	TPH														
MW5DSW	6/24/03	TPH	< 100													
MW5DSW	12/4/00	Metals, Dissolved								< 10		335				
MW5DSW	1/9/01	Metals, Dissolved								< 50		290				
MW5DSW	12/11/02	Metals, Dissolved								< 10		< 5				
MW5DSW	3/13/03	Metals, Dissolved								< 10		420				
MW5DSW	6/24/03	Metals, Dissolved								< 10		410				
MW5DSW	12/4/00	Metals							< 10		324				< 5000	
MW5DSW	1/8/01	Metals							< 50		340				< 10	
MW5DSW	5/7/01	Metals							9		370				< 2	
MW5DSW	7/19/01	Metals							< 5		400				< 2	
MW5DSW	10/25/01	Metals							< 5		410				< 2	
MW5DSW	12/11/02	Metals							< 10		540				< 5	
MW5DSW	3/13/03	Metals							< 10		440				< 5	
MW5DSW	6/24/03	Metals							< 10		420				< 5	
MW5DSW DUP	12/11/02	VOCs		< 1	< 1			< 50					< 1	< 1		
MW5DSW DUP	3/13/03	VOCs		< 1	< 1			< 50					< 1	< 1		
MW5W	7/28/00	VOCs		< 1	< 1	16	< 5	< 10					< 1	< 1		< 1
MW5W	1/11/01	VOCs		< 5	< 5	10	< 10	< 10					< 5	< 5		< 5

Appendix G-2C
Groundwater Data for Sub-area 6C: GKN Facility
Boeing Tract 1, St. Louis, Missouri

Sample ID	Date	Group	#6 Fuel Oil (C10-C32)	1,1,2-Trichloro ethane	1,1-Dichloro ethene	1,2-Dichloro ethene (Total)	2-Hexanone (MBK)	Acetone	Arsenic	Arsenic, Dissolved	Barium	Barium, Dissolved	Benzene	Bromo dichloro methane	Cadmium	Carbon Disulfide
MW5W	5/7/01	VOCs		< 1	< 1			< 50					< 1	< 1		
MW5W	7/24/01	VOCs		< 1	< 1			< 50					< 1	< 1		
MW5W	7/28/00	TPH														
MW5W	7/28/00	PCB														
MW5W	7/28/00	PAHs														
MW5W	5/7/01	Metals, Dissolved								8.9		250				
MW5W	7/28/00	Metals							B 8.9		498				< 5	
MW5W	1/11/01	Metals							< 50		242				< 10	
MW5W	5/7/01	Metals							16		390				< 2	
MW5W	7/24/01	Metals							10		300				< 2	
MW5W	7/28/00	Cyanide														
MW5W DUP	1/11/01	VOCs		< 5	< 5	9	< 10	< 10					< 5	< 5		< 5
MW5W DUP	1/11/01	Metals							< 50		247				< 10	
MW8ADW	09/28/00	VOCs		< 5	< 5		< 20	< 20					< 5	< 5		< 5
MW8ADW	01/12/01	VOCs		< 5	< 5	< 5	< 10	< 10					< 5	< 5		< 5
MW8ADW	05/08/01	VOCs		< 1	< 1			< 50					< 1	< 1		
MW8ADW	07/19/01	VOCs		< 1	< 1			< 50					< 1	< 1		
MW8ADW	10/22/01	VOCs		< 1	< 1			< 50					1.7	< 1		
MW8ADW	03/07/02	VOCs		< 1	< 1			< 50					< 1	< 1		
MW8ADW	06/04/02	VOCs		< 1	< 1			< 50					< 1	< 1		
MW8ADW	08/14/02	VOCs		< 1	< 1			< 50					< 1	< 1		
MW8ADW	12/10/02	VOCs		< 1	< 1			< 50					< 1	< 1		
MW8ADW	03/14/03	VOCs		< 1	< 1			< 50					< 1	< 1		
MW8ADW	06/24/03	VOCs		< 1	< 1			< 50					< 1	< 1		
MW8ADW	09/28/00	Metals, Dissolved								< 10		425				
MW8ADW	01/12/01	Metals, Dissolved								< 50		289				
MW8ADW	09/28/00	Metals							< 10		554				< 5000	
MW8ADW	01/12/01	Metals							< 50		308				< 10	
MW8ADW	05/08/01	Metals							< 5		360				< 2	
MW8ADW	07/19/01	Metals							< 5		370				< 2	
MW8ADW	10/22/01	Metals							< 5		660				< 2	
MW8ADW DUP	06/04/02	VOCs		< 1	< 1			< 50					< 1	< 1		
MW8ADW DUP	08/14/02	VOCs		< 1	< 1			< 50					< 1	< 1		
MW8ASW	09/26/00	VOCs		< 5	< 5		< 20	< 20					< 5	< 5		< 5
MW8ASW	01/09/01	VOCs		< 5	< 5	< 5	< 10	< 10					< 5	< 5		< 5
MW8ASW	05/08/01	VOCs		< 1	< 1			< 50					< 1	< 1		
MW8ASW	07/19/01	VOCs		< 1	< 1			< 50					< 1	< 1		
MW8ASW	10/22/01	VOCs		< 1	< 1			< 50					< 1	< 1		
MW8ASW	03/07/02	VOCs		< 1	< 1			< 50					< 1	< 1		
MW8ASW	05/31/02	VOCs		< 1	< 1			< 50					< 1	< 1		
MW8ASW	08/14/02	VOCs		< 1	< 1			< 50					< 1	< 1		
MW8ASW	12/06/02	VOCs		< 1	< 1			< 50					< 1	< 1		

Appe[illegible]-2C
Groundwater Data for Sub-area 6C: GKN Facility
Boeing Tract 1, St. Louis, Missouri

Sample ID	Date	Group	#6 Fuel Oil (C10-C32)	1,1,2-Trichloro ethane	1,1-Dichloro ethene	1,2-Dichloro ethene (Total)	2-Hexanone (MBK)	Acetone	Arsenic	Arsenic, Dissolved	Barium	Barium, Dissolved	Benzene	Bromo dichloro methane	Cadmium	Carbon Disulfide
MW8ASW	03/14/03	VOCs		< 1	< 1			< 50					< 1	< 1		
MW8ASW	06/20/03	VOCs		< 1	< 1			< 50					1.9	< 1		
MW8ASW	09/26/00	Metals							< 10		345				< 5000	
MW8ASW	01/09/01	Metals							< 50		340				< 10	
MW8ASW	05/08/01	Metals							13		320				< 2	
MW8ASW	07/19/01	Metals							< 5		330				< 2	
MW8ASW	10/22/01	Metals							< 5		360				< 2	
MW8W	07/27/00	VOCs		< 1	< 1	5.8	< 5	< 10					< 1	< 1		< 1
MW8W	01/09/01	VOCs		< 5	< 5	5	< 10	< 10					< 5	< 5		< 5
MW8W	05/08/01	VOCs		< 1	< 1			< 50					< 1	< 1		
MW8W	07/19/01	VOCs		< 1	< 1			< 50					< 1	< 1		
MW8W	10/22/01	VOCs		< 1	< 1			< 50					< 1	< 1		
MW8W	03/07/02	VOCs		< 1	< 1			< 50					< 1	< 1		
MW8W	05/31/02	VOCs		< 1	< 1			< 50					< 1	< 1		
MW8W	08/21/02	VOCs		< 1	< 1			< 50					< 1	< 1		
MW8W	12/06/02	VOCs		< 1	< 1			< 50					< 1	< 1		
MW8W	03/14/03	VOCs		< 1	< 1			< 50					< 1	< 1		
MW8W	06/20/03	VOCs		< 1	< 1			< 50					1.6	< 1		
MW8W	07/27/00	TPH														
MW8W	07/27/00	PCB														
MW8W	07/27/00	PAHs														
MW8W	07/27/00	Metals							17.3		711				< 5	
MW8W	01/09/01	Metals							< 50		600				< 10	
MW8W	05/08/01	Metals							9.5		430				< 2	
MW8W	07/19/01	Metals							< 5		290				< 2	
MW8W	10/22/01	Metals							< 5		390				< 2	
MW8W	07/27/00	Cyanide														

Notes:
All concentrations in ug/L (micrograms per liter)
< Less than detection limit shown
Blanks: Not analyzed
VOC: Volatile organic carbon
TPH: Total petroleum hydrocarbon
PAH: Polynuclear aromatic hydrocarbon
PCB: Polychlorinated byphenol
Lab qualifiers in Section 1.0

Groundwater Data for Sub-area 6C: GKN Facility
Boeing Tract 1, St. Louis, Missouri

Sample ID	Date	Group	Carbon tetra chloride	Chloroform	Chromium	Chromium, Dissolved	Chromium, Hexavalent	cis-1,2-Dichloro ethene	Dichloro difluoro methane	Diesel #1	Diesel #2	Diesel (C7-C26)	Gasoline (C6-C14)	Hydraulic Fluid (C12-C33)	Kerosene
B25MW1W	1/11/01	VOCs	< 5	< 5				< 5	< 10						
B25MW1W	5/9/01	VOCs	< 1	< 5				< 1	< 1						
B25MW1W	7/23/01	VOCs	< 1	< 5				< 1	< 1						
B25MW1W	10/24/01	VOCs	< 1	< 5				< 1	< 1						
B25MW1W	3/21/02	VOCs	< 1	< 5				< 1	< 1						
B25MW1W	5/31/02	VOCs	< 1	< 5				< 1	< 1						
B25MW1W	6/25/03	VOCs	< 1	< 5				< 1	< 1						
B25MW1W	9/20/00	TPH													
B25MW1W	1/11/01	TPH										< 100	< 100	< 100	
B25MW1W	5/9/01	TPH													
B25MW1W	7/23/01	TPH													
B25MW1W	10/24/01	TPH													
B25MW1W	5/31/02	TPH													
B25MW1W	6/25/03	TPH										< 100		< 100	
B25MW1W	1/11/01	Metals, Dissolved				< 10									
B25MW1W	9/20/00	Metals			299										
B25MW1W	1/11/01	Metals			118										
B25MW1W	5/9/01	Metals			< 2										
B25MW1W	7/23/01	Metals			24										
B25MW1W	10/24/01	Metals			28										
B25MW4W	1/11/01	VOCs	< 5	< 5				< 5	< 10						
B25MW4W	5/9/01	VOCs	< 1	< 5				< 1	< 1						
B25MW4W	7/23/01	VOCs	< 1	< 5				< 1	< 1						
B25MW4W	10/24/01	VOCs	< 1	< 5				< 1	< 1						
B25MW4W	3/11/02	VOCs	< 1	< 5				< 1	< 1						
B25MW4W	5/31/02	VOCs	< 1	< 5				< 1	< 1						
B25MW4W	9/20/00	TPH													
B25MW4W	1/11/01	TPH										< 100	< 100	< 100	
B25MW4W	5/9/01	TPH													
B25MW4W	7/23/01	TPH													
B25MW4W	10/24/01	TPH													
B25MW4W	3/11/02	TPH													
B25MW4W	5/31/02	TPH													
B25MW4W	1/11/01	Metals, Dissolved				< 10									
B25MW4W	5/9/01	Metals, Dissolved				< 2									
B25MW4W	10/24/01	Metals, Dissolved				< 2									
B25MW4W	3/21/02	Metals, Dissolved				< 10									
B25MW4W	5/31/02	Metals, Dissolved				< 10									
B25MW4W	9/20/00	Metals			572										
B25MW4W	1/11/01	Metals			384										
B25MW4W	5/9/01	Metals			68										
B25MW4W	7/23/01	Metals			21										
B25MW4W	10/24/01	Metals			< 2										

Sample ID	Date	Group	Carbon tetra chloride	Chloroform	Chromium	Chromium, Dissolved	Chromium, Hexavalent	cis-1,2-Dichloro ethene	Dichloro difluoro methane	Diesel #1	Diesel #2	Diesel (C7-C26)	Gasoline (C6-C14)	Hydraulic Fluid (C12-C33)	Kerosene
B25MW4W	3/21/02	Metals			34										
B25MW4W	5/31/02	Metals			300										
B27E10W	11/13/00	VOCs	< 5	< 5				< 2.5							
B27E10W	11/13/00	Metals			377										
B27E11W	11/14/00	VOCs	< 5	< 5				< 2.5							
B27E11W	11/14/00	Metals			2850										
B27E15W	7/25/03	VOCs	< 1	< 5				< 1	< 1						
B27E15W	7/25/03	TPH								< 1000	< 1000		< 1000		< 1000
B27E15W	7/25/03	Metals, Dissolved				< 10									
B27E15W	7/25/03	Metals			13										
B27E15W Dup	7/25/03	VOCs													
B27E15W Dup	7/25/03	TPH								< 1000	< 1000		< 1000		< 1000
B27E1W	7/21/00	VOCs	< 1	2											
B27E1W	7/21/00	TPH													
B27E1W	7/21/00	PCB													
B27E1W	7/21/00	PAHs													
B27E1W	7/21/00	Metals			49000										
B27E2W	7/20/00	VOCs	< 1	< 1											
B27E2W	7/20/00	TPH													
B27E2W-2004	4/29/04	TPH													
B27E2W	7/20/00	PCB													
B27E2W	7/20/00	PAHs													
B27E2W	7/20/00	Metals			B 2.2										
B27E3W	9/19/00	VOCs	< 5	< 5				< 5							
B27E3W	9/18/00	Metals			207										
B27E4W	9/19/00	VOCs	< 5	< 5				196.3							
B27E4W	9/21/00	Metals, Dissolved				13500									
B27E4W	9/18/00	Metals			12000										
B27E4W DUP	9/19/00	VOCs	< 5	< 5				184.9							
B27E4W DUP	9/21/00	Metals, Dissolved				11000									
B27E4W DUP	9/21/00	Metals			15500										
B27E5W	9/20/00	VOCs	< 5	< 5				< 2.5							
B27E5W	9/20/00	Metals			46.7										
B27E5W DUP	9/20/00	VOCs	< 5	< 5				< 5							
B27E6W	9/19/00	VOCs	< 5	< 5				< 5							
B27E6W	9/19/00	Metals			258										
B27E6W DUP	9/19/00	VOCs	< 5	< 5				< 5							
B27E7W	11/13/00	VOCs	< 5	< 5				< 2.5							
B27E7W	11/13/00	Metals			2070										
B27E8W	11/13/00	VOCs	< 5	< 5				< 2.5							
B27E8W	11/13/00	Metals			387										
B27E9W	11/13/00	VOCs	< 5	< 5				< 2.5							
B27E9W	11/13/00	Metals			2400										

Appe[illegible]-2C
Groundwater Data for Sub-area 6C: GKN Facility
Boeing Tract 1, St. Louis, Missouri

Sample ID	Date	Group	Carbon tetra chloride	Chloroform	Chromium	Chromium, Dissolved	Chromium, Hexavalent	cis-1,2-Dichloro ethene	Dichloro difluoro methane	Diesel #1	Diesel #2	Diesel (C7-C26)	Gasoline (C6-C14)	Hydraulic Fluid (C12-C33)	Kerosene
B27I10W	11/16/00	TPH													
B27I11W	11/16/00	TPH													
B27I12W	7/22/03	VOCs	< 1	< 1				1.6	2.2						
B27I12W	7/22/03	TPH								< 1000	< 1000		< 1000		< 1000
B27I12W Dup	7/22/03	VOCs	< 1	< 1				1.5	1.4						
B27I13W	7/22/03	VOCs	< 1	< 1				< 1	< 1						
B27I13W	7/22/03	TPH								< 1000	< 1000		< 1000		< 1000
B27I13W Dup	7/22/03	VOCs													
B27I13W Dup	7/22/03	TPH								< 1000	< 1000		< 1000		< 1000
B27I1W	7/21/00	VOCs	< 1	J 0.92											
B27I1W	7/21/00	TPH													
B27I1W	7/21/00	PCB													
B27I1W	7/21/00	PAHs													
B27I1W	7/21/00	Metals			133										
B27I2W	7/21/00	VOCs	< 1	< 1											
B27I2W	7/25/00	VOCs													
B27I2W	7/24/00	TPH													
B27I2W	7/26/00	TPH													
B27I2W	7/25/00	PAHs													
B27I2W	7/24/00	Metals			57.2										
B27I5W	7/21/00	VOCs	< 1	< 1											
B27I5W	7/21/00	TPH													
B27I5W	7/21/00	PCB													
B27I5W	7/21/00	PAHs													
B27I5W	7/21/00	Metals			68.8										
B27I6W	7/25/00	VOCs	< 1	< 1											
B27I6W	7/26/00	VOCs													
B27I6W	7/25/00	TPH													
B27I6W	7/26/00	TPH													
B27I6W	7/26/00	PAHs													
B27I6W	7/26/00	Metals			2650										
B27I7W	7/21/00	VOCs	< 1	< 1											
B27I7W	7/21/00	TPH													
B27I7W	7/21/00	PCB													
B27I7W	7/21/00	PAHs													
B27I7W	7/21/00	Metals			994										
B27I8W	7/21/00	VOCs	< 1	< 1											
B27I8W	7/21/00	TPH													
B27I8W	7/21/00	PCB													
B27I8W	7/21/00	PAHs													
B27I8W	7/21/00	Metals			90.9										
B27I9W	7/25/00	VOCs	< 1	< 1											

Sample ID	Date	Group	Carbon tetra chloride	Chloroform	Chromium	Chromium, Dissolved	Chromium, Hexavalent	cis-1,2-Dichloro ethene	Dichloro difluoro methane	Diesel #1	Diesel #2	Diesel (C7-C26)	Gasoline (C6-C14)	Hydraulic Fluid (C12-C33)	Kerosene
B27I9W	7/25/00	TPH													
B27I9W-2004	4/29/04	TPH													
B27I9W	7/25/00	PAHs													
B27I9W	7/25/00	Metals			83.4										
B27I9W DUP	7/25/00	VOCs	< 1	< 1											
B27I9W DUP	7/25/00	TPH													
B27I9W DUP	7/25/00	PAHs													
B27I9W DUP	7/25/00	Metals			110										
B27S1W	7/20/00	VOCs	< 1	< 1											
B27S1W	7/20/00	TPH													
B27S1W	7/20/00	PCB													
B27S1W	7/20/00	PAHs													
B27S1W	7/20/00	Metals			269										
B27S2W	7/20/00	VOCs	J 0.32	< 1											
B27S2W	7/20/00	TPH													
B27S2W	7/20/00	PCB													
B27S2W	7/20/00	PAHs													
B27S2W	7/20/00	Metals			290										
B27S3W	7/20/00	VOCs	< 1	< 1											
B27S3W	7/20/00	TPH													
B27S3W	7/20/00	PCB													
B27S3W	7/20/00	PAHs													
B27S3W	7/20/00	Metals			B 7.4										
MW5ADW	9/27/00	VOCs	< 5	< 5				< 2.5							
MW5ADW	1/11/01	VOCs	< 5	< 5				< 5	< 10						
MW5ADW	5/8/01	VOCs	< 1	< 5				< 1	< 1						
MW5ADW	7/20/01	VOCs	< 1	< 5				< 1	< 1						
MW5ADW	10/22/01	VOCs	< 1	< 5				< 1	< 1						
MW5ADW	3/8/02	VOCs	< 1	< 5				< 1	< 1						
MW5ADW	6/4/02	VOCs	< 1	< 5				< 1	< 1						
MW5ADW	8/16/02	VOCs	< 1	< 5				< 1	< 1						
MW5ADW	12/10/02	VOCs	< 1	< 5				< 1	< 1						
MW5ADW	3/13/03	VOCs	< 1	< 5				< 1	< 1						
MW5ADW	6/24/03	VOCs	< 1	< 5				< 1	< 1						
MW5ADW	9/27/00	Metals, Dissolved				< 10									
MW5ADW	1/11/01	Metals, Dissolved				< 10									
MW5ADW	9/27/00	Metals			134										
MW5ADW	1/11/01	Metals			19										
MW5ADW	5/8/01	Metals			8.8										
MW5ADW	7/20/01	Metals			4.5										
MW5ADW	10/22/01	Metals			4.2										
MW5ADW DUP	1/11/01	VOCs	< 5	< 5				< 5	< 10						
MW5ADW DUP	1/11/01	Metals, Dissolved				< 10									

Appendix G-2C
Groundwater Data for Sub-area 6C: GKN Facility
Boeing Tract 1, St. Louis, Missouri

Sample ID	Date	Group	Carbon tetra chloride	Chloroform	Chromium	Chromium, Dissolved	Chromium, Hexavalent	cis-1,2-Dichloro ethene	Dichloro difluoro methane	Diesel #1	Diesel #2	Diesel (C7-C26)	Gasoline (C6-C14)	Hydraulic Fluid (C12-C33)	Kerosene
MW5ADW DUP	1/11/01	Metals			16										
MW5ASW	9/27/00	VOCs	< 5	< 5				71							
MW5ASW	1/11/01	VOCs	< 5	< 5				71	< 10						
MW5ASW	5/7/01	VOCs	< 1	< 5				45	< 1						
MW5ASW	7/20/01	VOCs	< 1	< 5				H 44	< 1						
MW5ASW	10/22/01	VOCs	< 1	< 5				E 53	< 1						
MW5ASW	3/6/02	VOCs	< 1	< 5				E 54	< 1						
MW5ASW	6/4/02	VOCs	< 5	< 25				FH 120	< 5						
MW5ASW	8/14/02	VOCs	< 1	< 5				EV 140	< 1						
MW5ASW	12/10/02	VOCs	< 1	< 5				E 110	< 1						
MW5ASW	3/14/03	VOCs	< 1	< 5				E 140	< 1						
MW5ASW	6/24/03	VOCs	< 1	< 5				E 160	< 1						
MW5ASW	8/14/02	TPH													
MW5ASW	12/10/02	TPH													
MW5ASW	3/14/03	TPH													
MW5ASW	6/24/03	TPH										< 100		< 100	
MW5ASW	3/6/02	Metals, Dissolved				< 10									
MW5ASW	6/4/02	Metals, Dissolved				< 10									
MW5ASW	8/14/02	Metals, Dissolved				16									
MW5ASW	12/10/02	Metals, Dissolved				< 10									
MW5ASW	3/14/03	Metals, Dissolved				12									
MW5ASW	6/24/03	Metals, Dissolved				< 10									
MW5ASW	9/27/00	Metals			44.2										
MW5ASW	1/11/01	Metals			35										
MW5ASW	5/7/01	Metals			10		20								
MW5ASW	7/20/01	Metals			7.9		11								
MW5ASW	10/22/01	Metals			10		< 10								
MW5ASW	3/6/02	Metals			< 10		< 10								
MW5ASW	6/4/02	Metals			< 10		< 10								
MW5ASW	8/14/02	Metals			16		13								
MW5ASW	12/10/02	Metals			< 10		< 10								
MW5ASW	3/14/03	Metals			14		TB 15								
MW5ASW	6/24/03	Metals			24		TB 19								
MW5BSW	12/4/00	VOCs	< 5	< 5				< 2.5							
MW5BSW	1/8/01	VOCs	< 5	< 5				< 5	< 10						
MW5BSW	5/7/01	VOCs	< 1	< 5				< 1	< 1						
MW5BSW	7/19/01	VOCs	< 1	< 5				< 1	< 1						
MW5BSW	10/22/01	VOCs	< 1	< 5				< 1	< 1						
MW5BSW	3/11/02	VOCs	< 1	< 5				< 1	< 1						
MW5BSW	5/31/02	VOCs	< 1	< 5				< 1	< 1						
MW5BSW	8/16/02	VOCs	< 1	< 5				< 1	< 1						
MW5BSW	12/10/02	VOCs	< 1	< 5				< 1	< 1						

Sample ID	Date	Group	Carbon tetra chloride	Chloroform	Chromium	Chromium, Dissolved	Chromium, Hexavalent	cis-1,2-Dichloro ethene	Dichloro difluoro methane	Diesel #1	Diesel #2	Diesel (C7-C26)	Gasoline (C6-C14)	Hydraulic Fluid (C12-C33)	Kerosene
MW5BSW	3/14/03	VOCs	< 1	< 5				< 1	< 1						
MW5BSW	6/24/03	VOCs	< 1	< 5				< 1	< 1						
MW5BSW	8/16/02	TPH													
MW5BSW	12/10/02	TPH													
MW5BSW	3/14/03	TPH													
MW5BSW	6/24/03	TPH										< 100		< 100	
MW5BSW	12/4/00	Metals, Dissolved				< 10									
MW5BSW	12/10/02	Metals, Dissolved				< 10									
MW5BSW	3/14/03	Metals, Dissolved				< 10									
MW5BSW	6/24/03	Metals, Dissolved				< 10									
MW5BSW	12/4/00	Metals			26.8										
MW5BSW	1/8/01	Metals			27										
MW5BSW	5/7/01	Metals			3.5										
MW5BSW	7/19/01	Metals			7.2										
MW5BSW	10/22/01	Metals			13										
MW5BSW	12/10/02	Metals			< 10										
MW5BSW	3/14/03	Metals			< 10										
MW5BSW	6/24/03	Metals			< 10										
MW5CSW	12/4/00	VOCs	< 5	< 5				< 2.5							
MW5CSW	1/8/01	VOCs	< 5	< 5				< 5	< 10						
MW5CSW	5/7/01	VOCs	< 1	< 5				< 1	< 1						
MW5CSW	7/19/01	VOCs	< 1	< 5				< 1	< 1						
MW5CSW	10/22/01	VOCs	< 1	< 5				< 1	< 1						
MW5CSW	5/31/02	VOCs	< 1	< 5				< 1	< 1						
MW5CSW	8/14/02	VOCs	< 1	< 5				< 1	< 1						
MW5CSW	12/10/02	VOCs	< 1	< 5				< 1	< 1						
MW5CSW	3/14/03	VOCs	< 1	< 5				< 1	< 1						
MW5CSW	6/24/03	VOCs	< 1	< 5				< 1	< 1						
MW5CSW	8/14/02	TPH													
MW5CSW	12/10/02	TPH													
MW5CSW	3/14/03	TPH													
MW5CSW	6/24/03	TPH										< 100		< 100	
MW5CSW	1/9/01	Metals, Dissolved				< 10									
MW5CSW	8/14/02	Metals, Dissolved				< 10									
MW5CSW	12/10/02	Metals, Dissolved				< 10									
MW5CSW	3/14/03	Metals, Dissolved				< 10									
MW5CSW	6/24/03	Metals, Dissolved				< 10									
MW5CSW	12/4/00	Metals			< 10										
MW5CSW	1/8/01	Metals			< 10										
MW5CSW	5/7/01	Metals			5.7										
MW5CSW	7/19/01	Metals			< 2										
MW5CSW	10/22/01	Metals			9.1										

Sample ID	Date	Group	Carbon tetra chloride	Chloroform	Chromium	Chromium, Dissolved	Chromium, Hexavalent	cis-1,2-Dichloro ethene	Dichloro difluoro methane	Diesel #1	Diesel #2	Diesel (C7-C26)	Gasoline (C6-C14)	Hydraulic Fluid (C12-C33)	Kerosene
MW5CSW	8/14/02	Metals			< 10										
MW5CSW	12/10/02	Metals			< 10										
MW5CSW	3/14/03	Metals			< 10										
MW5CSW	6/24/03	Metals			15										
MW5CSW DUP	8/14/02	VOCs	< 1	< 5				< 1	< 1						
MW5DSW	12/4/00	VOCs	< 5	< 5				< 2.5							
MW5DSW	1/8/01	VOCs	< 5	< 5				< 5	< 10						
MW5DSW	5/7/01	VOCs	< 1	< 5				< 1	< 1						
MW5DSW	7/19/01	VOCs	< 1	< 5				< 1	< 1						
MW5DSW	10/25/01	VOCs	< 1	< 5				< 1	< 1						
MW5DSW	3/11/02	VOCs	< 1	< 5				< 1	< 1						
MW5DSW	5/31/02	VOCs	< 1	< 5				< 1	< 1						
MW5DSW	8/16/02	VOCs	< 1	< 5				< 1	< 1						
MW5DSW	12/11/02	VOCs	< 1	< 5				< 1	< 1						
MW5DSW	3/13/03	VOCs	< 1	< 5				< 1	< 1						
MW5DSW	6/24/03	VOCs	< 1	< 5				< 1	< 1						
MW5DSW	5/7/01	TPH													
MW5DSW	7/19/01	TPH													
MW5DSW	10/25/01	TPH													
MW5DSW	3/11/02	TPH													
MW5DSW	5/31/02	TPH													
MW5DSW	8/16/02	TPH													
MW5DSW	12/11/02	TPH													
MW5DSW	3/13/03	TPH													
MW5DSW	6/24/03	TPH										< 100		< 100	
MW5DSW	12/4/00	Metals, Dissolved				< 10									
MW5DSW	1/9/01	Metals, Dissolved				< 10									
MW5DSW	12/11/02	Metals, Dissolved				< 10									
MW5DSW	3/13/03	Metals, Dissolved				< 10									
MW5DSW	6/24/03	Metals, Dissolved				< 10									
MW5DSW	12/4/00	Metals			< 10										
MW5DSW	1/8/01	Metals			22										
MW5DSW	5/7/01	Metals			5										
MW5DSW	7/19/01	Metals			< 2										
MW5DSW	10/25/01	Metals			10										
MW5DSW	12/11/02	Metals			11										
MW5DSW	3/13/03	Metals			< 10										
MW5DSW	6/24/03	Metals			< 10										
MW5DSW DUP	12/11/02	VOCs	< 1	< 5				< 1	< 1						
MW5DSW DUP	3/13/03	VOCs	< 1	< 5				< 1	< 1						
MW5W	7/28/00	VOCs	< 1	< 1											
MW5W	1/11/01	VOCs	< 5	< 5				10	< 10						

Sample ID	Date	Group	Carbon tetra chloride	Chloroform	Chromium	Chromium, Dissolved	Chromium, Hexavalent	cis-1,2-Dichloro ethene	Dichloro difluoro methane	Diesel #1	Diesel #2	Diesel (C7-C26)	Gasoline (C6-C14)	Hydraulic Fluid (C12-C33)	Kerosene
MW5W	5/7/01	VOCs	< 1	< 5				9.6	< 1						
MW5W	7/24/01	VOCs	< 1	< 5				HJ3 7.8	< 1						
MW5W	7/28/00	TPH													
MW5W	7/28/00	PCB													
MW5W	7/28/00	PAHs													
MW5W	5/7/01	Metals, Dissolved				2.6									
MW5W	7/28/00	Metals			46.1										
MW5W	1/11/01	Metals			< 10										
MW5W	5/7/01	Metals			30		< 10								
MW5W	7/24/01	Metals			14		< 10								
MW5W	7/28/00	Cyanide													
MW5W DUP	1/11/01	VOCs	< 5	< 5				9	< 10						
MW5W DUP	1/11/01	Metals			< 10										
MW8ADW	09/28/00	VOCs	< 5	< 5				< 2.5							
MW8ADW	01/12/01	VOCs	< 5	< 5				< 5	< 10						
MW8ADW	05/08/01	VOCs	< 1	< 5				< 1	< 1						
MW8ADW	07/19/01	VOCs	< 1	< 5				< 1	< 1						
MW8ADW	10/22/01	VOCs	< 1	< 5				< 1	< 1						
MW8ADW	03/07/02	VOCs	< 1	< 5				< 1	< 1						
MW8ADW	06/04/02	VOCs	< 1	< 5				< 1	< 1						
MW8ADW	08/14/02	VOCs	< 1	< 5				< 1	< 1						
MW8ADW	12/10/02	VOCs	< 1	< 5				< 1	< 1						
MW8ADW	03/14/03	VOCs	< 1	< 5				< 1	< 1						
MW8ADW	06/24/03	VOCs	< 1	< 5				< 1	< 1						
MW8ADW	09/28/00	Metals, Dissolved				< 10									
MW8ADW	01/12/01	Metals, Dissolved				< 10									
MW8ADW	09/28/00	Metals			108										
MW8ADW	01/12/01	Metals			< 10										
MW8ADW	05/08/01	Metals			7.3										
MW8ADW	07/19/01	Metals			2.9										
MW8ADW	10/22/01	Metals			27										
MW8ADW DUP	06/04/02	VOCs	< 1	< 5				< 1	< 1						
MW8ADW DUP	08/14/02	VOCs	< 1	< 5				< 1	< 1						
MW8ASW	09/26/00	VOCs	< 5	< 5				< 2.5							
MW8ASW	01/09/01	VOCs	< 5	< 5				< 5	< 10						
MW8ASW	05/08/01	VOCs	< 1	< 5				< 1	< 1						
MW8ASW	07/19/01	VOCs	< 1	< 5				< 1	< 1						
MW8ASW	10/22/01	VOCs	< 1	< 5				< 1	< 1						
MW8ASW	03/07/02	VOCs	< 1	< 5				< 1	< 1						
MW8ASW	05/31/02	VOCs	< 1	< 5				< 1	< 1						
MW8ASW	08/14/02	VOCs	< 1	< 5				< 1	< 1						
MW8ASW	12/06/02	VOCs	< 1	< 5				< 1	< 1						

Appendix G-2C
Groundwater Data for Sub-area 6C: GKN Facility
Boeing Tract 1, St. Louis, Missouri

Sample ID	Date	Group	Carbon tetra chloride	Chloroform	Chromium	Chromium, Dissolved	Chromium, Hexavalent	cis-1,2-Dichloro ethene	Dichloro difluoro methane	Diesel #1	Diesel #2	Diesel (C7-C26)	Gasoline (C6-C14)	Hydraulic Fluid (C12-C33)	Kerosene
MW8ASW	03/14/03	VOCs	< 1	< 5				< 1	< 1						
MW8ASW	06/20/03	VOCs	< 1	< 5				< 1	< 1						
MW8ASW	09/26/00	Metals			< 10										
MW8ASW	01/09/01	Metals			21										
MW8ASW	05/08/01	Metals			7.7										
MW8ASW	07/19/01	Metals			3.6										
MW8ASW	10/22/01	Metals			6.5										
MW8W	07/27/00	VOCs	< 1	< 1											
MW8W	01/09/01	VOCs	< 5	< 5				5	< 10						
MW8W	05/08/01	VOCs	< 1	< 5				3.9	< 1						
MW8W	07/19/01	VOCs	< 1	< 5				6.4	< 1						
MW8W	10/22/01	VOCs	< 1	< 5				4.5	< 1						
MW8W	03/07/02	VOCs	< 1	< 5				H 3.6	< 1						
MW8W	05/31/02	VOCs	< 1	< 5				H 2.9	< 1						
MW8W	08/21/02	VOCs	< 1	< 5				H 3	< 1						
MW8W	12/06/02	VOCs	< 1	< 5				2.6	< 1						
MW8W	03/14/03	VOCs	< 1	< 5				2	< 1						
MW8W	06/20/03	VOCs	< 1	< 5				2.8	< 1						
MW8W	07/27/00	TPH													
MW8W	07/27/00	PCB													
MW8W	07/27/00	PAHs													
MW8W	07/27/00	Metals			95.7										
MW8W	01/09/01	Metals			89										
MW8W	05/08/01	Metals			24										
MW8W	07/19/01	Metals			3.6										
MW8W	10/22/01	Metals			16										
MW8W	07/27/00	Cyanide													

Notes:
All concentrations in ug/L (micrograms per liter)
< Less than detection limit shown
Blanks: Not analyzed
VOC: Volatile organic carbon
TPH: Total petroleum hydrocarbon
PAH: Polynuclear aromatic hydrocarbon
PCB: Polychlorinated byphenol
Lab qualifiers in Section 1.0

Appendix G-2C
Groundwater Data for Sub-area 6C: GKN Facility
Boeing Tract 1, St. Louis, Missouri

Sample ID	Date	Group	Kerosene (C9-C16)	Lead	Lead, Dissolved	Mercury	Methyl ethyl ketone (MEK)	Methyl isobutyl ketone	Methylene chloride	Mineral Spirits (C7-C14)	Misc_TPH (C10-C40)	Motor Oil	Motor Oil (C16-C33)	Selenium	Selenium, Dissolved
B25MW1W	1/11/01	VOCs					< 10	< 10	< 5						
B25MW1W	5/9/01	VOCs					< 50	< 50	< 5						
B25MW1W	7/23/01	VOCs					< 50	< 50	< 5						
B25MW1W	10/24/01	VOCs					< 50	< 50	< 5						
B25MW1W	3/21/02	VOCs					< 50	< 50	< 5						
B25MW1W	5/31/02	VOCs					< 50	< 50	< 5						
B25MW1W	6/25/03	VOCs					< 50	< 50	< 5						
B25MW1W	9/20/00	TPH													
B25MW1W	1/11/01	TPH	< 100							< 100			< 100		
B25MW1W	5/9/01	TPH													
B25MW1W	7/23/01	TPH													
B25MW1W	10/24/01	TPH													
B25MW1W	5/31/02	TPH													
B25MW1W	6/25/03	TPH	< 100							< 100	120		< 100		
B25MW1W	1/11/01	Metals, Dissolved			< 50										< 100
B25MW1W	9/20/00	Metals		138		0.46								< 5	
B25MW1W	1/11/01	Metals		< 50		< 0.4								< 100	
B25MW1W	5/9/01	Metals		< 5		< 0.2									
B25MW1W	7/23/01	Metals		10		< 0.2									
B25MW1W	10/24/01	Metals		20		< 0.2									
B25MW4W	1/11/01	VOCs					< 10	< 10	< 5						
B25MW4W	5/9/01	VOCs					< 50	< 50	< 5						
B25MW4W	7/23/01	VOCs					< 50	< 50	< 5						
B25MW4W	10/24/01	VOCs					< 50	< 50	< 5						
B25MW4W	3/11/02	VOCs					< 50	< 50	< 5						
B25MW4W	5/31/02	VOCs					< 50	< 50	< 5						
B25MW4W	9/20/00	TPH													
B25MW4W	1/11/01	TPH	< 100							< 100			3430		
B25MW4W	5/9/01	TPH													
B25MW4W	7/23/01	TPH													
B25MW4W	10/24/01	TPH													
B25MW4W	3/11/02	TPH													
B25MW4W	5/31/02	TPH													
B25MW4W	1/11/01	Metals, Dissolved			< 50										< 100
B25MW4W	5/9/01	Metals, Dissolved			< 5										
B25MW4W	10/24/01	Metals, Dissolved			< 5										
B25MW4W	3/21/02	Metals, Dissolved			< 5										
B25MW4W	5/31/02	Metals, Dissolved			< 5										
B25MW4W	9/20/00	Metals		261		0.75								< 5	
B25MW4W	1/11/01	Metals		< 250		< 0.2								< 500	
B25MW4W	5/9/01	Metals		78		< 0.2									
B25MW4W	7/23/01	Metals		13		< 0.2									
B25MW4W	10/24/01	Metals		< 5		< 0.2									

Sample ID	Date	Group	Kerosene (C9-C16)	Lead	Lead, Dissolved	Mercury	Methyl ethyl ketone (MEK)	Methyl isobutyl ketone	Methylene chloride	Mineral Spirits (C7-C14)	Misc_TPH (C10-C40)	Motor Oil	Motor Oil (C16-C33)	Selenium	Selenium, Dissolved
B25MW4W	3/21/02	Metals		53		< 0.2									
B25MW4W	5/31/02	Metals		120		< 0.2									
B27E10W	11/13/00	VOCs					< 20	< 20	< 5						
B27E10W	11/13/00	Metals		175		0.45								5.4	
B27E11W	11/14/00	VOCs					< 20	< 20	< 5						
B27E11W	11/14/00	Metals		1010		5.5								< 5	
B27E15W	7/25/03	VOCs					< 50	< 50	< 5						
B27E15W	7/25/03	TPH										< 1000			
B27E15W	7/25/03	Metals, Dissolved													
B27E15W	7/25/03	Metals													
B27E15W Dup	7/25/03	VOCs													
B27E15W Dup	7/25/03	TPH										< 1000			
B27E1W	7/21/00	VOCs					< 5	< 5	< 1						
B27E1W	7/21/00	TPH													
B27E1W	7/21/00	PCB													
B27E1W	7/21/00	PAHs													
B27E1W	7/21/00	Metals		24.2		0.23								< 5	
B27E2W	7/20/00	VOCs					< 5	< 5	< 1						
B27E2W	7/20/00	TPH													
B27E2W-2004	4/29/04	TPH													
B27E2W	7/20/00	PCB													
B27E2W	7/20/00	PAHs													
B27E2W	7/20/00	Metals		B 2.3		B 0.099								< 5	
B27E3W	9/19/00	VOCs							< 5						
B27E3W	9/18/00	Metals		80.3		2.9								< 5	
B27E4W	9/19/00	VOCs							< 5						
B27E4W	9/21/00	Metals, Dissolved			< 3										5.2
B27E4W	9/18/00	Metals		71.5		< 0.2								< 5	
B27E4W DUP	9/19/00	VOCs							< 5						
B27E4W DUP	9/21/00	Metals, Dissolved			< 3										< 5
B27E4W DUP	9/21/00	Metals		< 3		< 0.2								< 5	
B27E5W	9/20/00	VOCs					< 20	< 20	< 5						
B27E5W	9/20/00	Metals		15.6		< 0.2								< 5	
B27E5W DUP	9/20/00	VOCs							< 5						
B27E6W	9/19/00	VOCs							< 5						
B27E6W	9/19/00	Metals		125		0.72								< 5	
B27E6W DUP	9/19/00	VOCs							< 5						
B27E7W	11/13/00	VOCs					< 20	< 20	< 5						
B27E7W	11/13/00	Metals		1170		2.1								< 5	
B27E8W	11/13/00	VOCs					< 20	< 20	< 5						
B27E8W	11/13/00	Metals		157		0.49								< 5	
B27E9W	11/13/00	VOCs					< 20	< 20	< 5						
B27E9W	11/13/00	Metals		847		12.2								< 5	

Appendix G-2C
Groundwater Data for Sub-area 6C: GKN Facility
Boeing Tract 1, St. Louis, Missouri

Sample ID	Date	Group	Kerosene (C9-C16)	Lead	Lead, Dissolved	Mercury	Methyl ethyl ketone (MEK)	Methyl isobutyl ketone	Methylene chloride	Mineral Spirits (C7-C14)	Misc_TPH (C10-C40)	Motor Oil	Motor Oil (C16-C33)	Selenium	Selenium, Dissolved
B27I10W	11/16/00	TPH													
B27I11W	11/16/00	TPH													
B27I12W	7/22/03	VOCs							< 1						
B27I12W	7/22/03	TPH										< 1000			
B27I12W Dup	7/22/03	VOCs							< 1						
B27I13W	7/22/03	VOCs							< 1						
B27I13W	7/22/03	TPH										< 1000			
B27I13W Dup	7/22/03	VOCs													
B27I13W Dup	7/22/03	TPH										< 1000			
B27I1W	7/21/00	VOCs					< 5	< 5	J B 0.6						
B27I1W	7/21/00	TPH													
B27I1W	7/21/00	PCB													
B27I1W	7/21/00	PAHs													
B27I1W	7/21/00	Metals		51.5		0.2								< 5	
B27I2W	7/21/00	VOCs					< 5	< 5	< 1						
B27I2W	7/25/00	VOCs													
B27I2W	7/24/00	TPH													
B27I2W	7/26/00	TPH													
B27I2W	7/25/00	PAHs													
B27I2W	7/24/00	Metals		21.9		B 0.035								< 5	
B27I5W	7/21/00	VOCs					< 5	< 5	< 1						
B27I5W	7/21/00	TPH													
B27I5W	7/21/00	PCB													
B27I5W	7/21/00	PAHs													
B27I5W	7/21/00	Metals		35.4		B 0.15								< 5	
B27I6W	7/25/00	VOCs					< 5	< 5	< 1						
B27I6W	7/26/00	VOCs													
B27I6W	7/25/00	TPH													
B27I6W	7/26/00	TPH													
B27I6W	7/26/00	PAHs													
B27I6W	7/26/00	Metals		33.2		B 0.087								< 5	
B27I7W	7/21/00	VOCs					< 5	< 5	J B 0.47						
B27I7W	7/21/00	TPH													
B27I7W	7/21/00	PCB													
B27I7W	7/21/00	PAHs													
B27I7W	7/21/00	Metals		327		2.6								< 5	
B27I8W	7/21/00	VOCs					< 5	< 5	J B 0.6						
B27I8W	7/21/00	TPH													
B27I8W	7/21/00	PCB													
B27I8W	7/21/00	PAHs													
B27I8W	7/21/00	Metals		29.4		B 0.15								B 4.1	
B27I9W	7/25/00	VOCs					13	< 5	< 1						

Sample ID	Date	Group	Kerosene (C9-C16)	Lead	Lead, Dissolved	Mercury	Methyl ethyl ketone (MEK)	Methyl isobutyl ketone	Methylene chloride	Mineral Spirits (C7-C14)	Misc_TPH (C10-C40)	Motor Oil	Motor Oil (C16-C33)	Selenium	Selenium, Dissolved
B27I9W	7/25/00	TPH													
B27I9W-2004	4/29/04	TPH													
B27I9W	7/25/00	PAHs													
B27I9W	7/25/00	Metals		43.4		B 0.12								< 5	
B27I9W DUP	7/25/00	VOCs					16	J 2.7	< 1						
B27I9W DUP	7/25/00	TPH													
B27I9W DUP	7/25/00	PAHs													
B27I9W DUP	7/25/00	Metals		51.9		B 0.13								< 5	
B27S1W	7/20/00	VOCs					< 5	< 5	< 1						
B27S1W	7/20/00	TPH													
B27S1W	7/20/00	PCB													
B27S1W	7/20/00	PAHs													
B27S1W	7/20/00	Metals		98.6		0.35								< 5	
B27S2W	7/20/00	VOCs					< 5	< 5	< 1						
B27S2W	7/20/00	TPH													
B27S2W	7/20/00	PCB													
B27S2W	7/20/00	PAHs													
B27S2W	7/20/00	Metals		158		0.44								< 5	
B27S3W	7/20/00	VOCs					< 5	< 5	< 1						
B27S3W	7/20/00	TPH													
B27S3W	7/20/00	PCB													
B27S3W	7/20/00	PAHs													
B27S3W	7/20/00	Metals		3.2		B 0.091								< 5	
MW5ADW	9/27/00	VOCs					< 20	< 20	< 5						
MW5ADW	1/11/01	VOCs					< 10	< 10	< 5						
MW5ADW	5/8/01	VOCs					< 50	< 50	< 5						
MW5ADW	7/20/01	VOCs					< 50	< 50	< 5						
MW5ADW	10/22/01	VOCs					< 50	< 50	< 5						
MW5ADW	3/8/02	VOCs					< 50	< 50	< 5						
MW5ADW	6/4/02	VOCs					< 50	< 50	< 5						
MW5ADW	8/16/02	VOCs					< 50	< 50	< 5						
MW5ADW	12/10/02	VOCs					< 50	< 50	< 5						
MW5ADW	3/13/03	VOCs					< 50	< 50	< 5						
MW5ADW	6/24/03	VOCs					< 50	< 50	< 5						
MW5ADW	9/27/00	Metals, Dissolved			< 3										< 5
MW5ADW	1/11/01	Metals, Dissolved			< 50										< 100
MW5ADW	9/27/00	Metals		26.4		0.32								< 5	
MW5ADW	1/11/01	Metals		< 50		< 0.2								< 100	
MW5ADW	5/8/01	Metals		5		< 0.2									
MW5ADW	7/20/01	Metals		10		< 0.2									
MW5ADW	10/22/01	Metals		< 5		< 0.2									
MW5ADW DUP	1/11/01	VOCs					< 10	< 10	< 5						
MW5ADW DUP	1/11/01	Metals, Dissolved			< 50										< 100

Sample ID	Date	Group	Kerosene (C9-C16)	Lead	Lead, Dissolved	Mercury	Methyl ethyl ketone (MEK)	Methyl isobutyl ketone	Methylene chloride	Mineral Spirits (C7-C14)	Misc_TPH (C10-C40)	Motor Oil	Motor Oil (C16-C33)	Selenium	Selenium, Dissolved
MW5ADW DUP	1/11/01	Metals		< 50		< 0.2								< 100	
MW5ASW	9/27/00	VOCs					< 20	< 20	< 5						
MW5ASW	1/11/01	VOCs					< 10	< 10	< 5						
MW5ASW	5/7/01	VOCs					< 50	< 50	< 5						
MW5ASW	7/20/01	VOCs					< 50	< 50	< 5						
MW5ASW	10/22/01	VOCs					< 50	< 50	< 5						
MW5ASW	3/6/02	VOCs					< 50	< 50	< 5						
MW5ASW	6/4/02	VOCs					< 250	< 250	< 25						
MW5ASW	8/14/02	VOCs					< 50	< 50	< 5						
MW5ASW	12/10/02	VOCs					< 50	< 50	< 5						
MW5ASW	3/14/03	VOCs					< 50	< 50	< 5						
MW5ASW	6/24/03	VOCs					< 50	< 50	< 5						
MW5ASW	8/14/02	TPH													
MW5ASW	12/10/02	TPH													
MW5ASW	3/14/03	TPH													
MW5ASW	6/24/03	TPH	< 100							< 100	< 100		< 100		
MW5ASW	3/6/02	Metals, Dissolved			J4 7.7										
MW5ASW	6/4/02	Metals, Dissolved			8.7										
MW5ASW	8/14/02	Metals, Dissolved			< 5										
MW5ASW	12/10/02	Metals, Dissolved			< 5										
MW5ASW	3/14/03	Metals, Dissolved			< 5										
MW5ASW	6/24/03	Metals, Dissolved			7.8										
MW5ASW	9/27/00	Metals		5.1		< 0.2								< 5	
MW5ASW	1/11/01	Metals		< 50		< 0.2								< 100	
MW5ASW	5/7/01	Metals		< 5		< 0.2									
MW5ASW	7/20/01	Metals		5.7		< 0.2									
MW5ASW	10/22/01	Metals		< 5		< 0.2									
MW5ASW	3/6/02	Metals		J4 7.3		< 0.2									
MW5ASW	6/4/02	Metals		8.4		< 0.2									
MW5ASW	8/14/02	Metals		< 5		< 0.2									
MW5ASW	12/10/02	Metals		5.5		< 0.2									
MW5ASW	3/14/03	Metals		< 5		< 0.2									
MW5ASW	6/24/03	Metals		16		< 0.2									
MW5BSW	12/4/00	VOCs					< 20	< 20	< 5						
MW5BSW	1/8/01	VOCs					< 10	< 10	< 5						
MW5BSW	5/7/01	VOCs					< 50	< 50	< 5						
MW5BSW	7/19/01	VOCs					< 50	< 50	< 5						
MW5BSW	10/22/01	VOCs					< 50	< 50	< 5						
MW5BSW	3/11/02	VOCs					< 50	< 50	< 5						
MW5BSW	5/31/02	VOCs					< 50	< 50	< 5						
MW5BSW	8/16/02	VOCs					< 50	< 50	< 5						
MW5BSW	12/10/02	VOCs					< 50	< 50	< 5						

Appendix G-2C
Groundwater Data for Sub-area 6C: GKN Facility
Boeing Tract 1, St. Louis, Missouri

Sample ID	Date	Group	Kerosene (C9-C16)	Lead	Lead, Dissolved	Mercury	Methyl ethyl ketone (MEK)	Methyl isobutyl ketone	Methylene chloride	Mineral Spirits (C7-C14)	Misc_TPH (C10-C40)	Motor Oil	Motor Oil (C16-C33)	Selenium	Selenium, Dissolved
MW5BSW	3/14/03	VOCs					< 50	< 50	< 5						
MW5BSW	6/24/03	VOCs					< 50	< 50	< 5						
MW5BSW	8/16/02	TPH													
MW5BSW	12/10/02	TPH													
MW5BSW	3/14/03	TPH													
MW5BSW	6/24/03	TPH	< 100							< 100	< 100		< 100		
MW5BSW	12/4/00	Metals, Dissolved			< 3										< 5
MW5BSW	12/10/02	Metals, Dissolved			5.3										
MW5BSW	3/14/03	Metals, Dissolved			< 5										
MW5BSW	6/24/03	Metals, Dissolved			7										
MW5BSW	12/4/00	Metals		12.6		< 0.2								< 5	
MW5BSW	1/8/01	Metals		< 50		< 2								< 100	
MW5BSW	5/7/01	Metals		< 5		< 0.2									
MW5BSW	7/19/01	Metals		< 5		< 0.2									
MW5BSW	10/22/01	Metals		< 5		< 0.2									
MW5BSW	12/10/02	Metals		8.2		< 0.2									
MW5BSW	3/14/03	Metals		< 5		< 0.2									
MW5BSW	6/24/03	Metals		15		< 0.2									
MW5CSW	12/4/00	VOCs					< 20	< 20	< 5						
MW5CSW	1/8/01	VOCs					< 10	< 10	< 5						
MW5CSW	5/7/01	VOCs					< 50	< 50	< 5						
MW5CSW	7/19/01	VOCs					< 50	< 50	< 5						
MW5CSW	10/22/01	VOCs					< 50	< 50	< 5						
MW5CSW	5/31/02	VOCs					< 50	< 50	< 5						
MW5CSW	8/14/02	VOCs					< 50	< 50	< 5						
MW5CSW	12/10/02	VOCs					< 50	< 50	< 5						
MW5CSW	3/14/03	VOCs					< 50	< 50	< 5						
MW5CSW	6/24/03	VOCs					< 50	< 50	< 5						
MW5CSW	8/14/02	TPH													
MW5CSW	12/10/02	TPH													
MW5CSW	3/14/03	TPH													
MW5CSW	6/24/03	TPH	< 100							< 100	< 100		< 100		
MW5CSW	1/9/01	Metals, Dissolved			< 50										< 100
MW5CSW	8/14/02	Metals, Dissolved			< 5										
MW5CSW	12/10/02	Metals, Dissolved			< 5										
MW5CSW	3/14/03	Metals, Dissolved			< 5										
MW5CSW	6/24/03	Metals, Dissolved			6										
MW5CSW	12/4/00	Metals		< 3		< 0.2								< 5	
MW5CSW	1/8/01	Metals		< 50		< 0.2								< 100	
MW5CSW	5/7/01	Metals		< 5		< 0.2									
MW5CSW	7/19/01	Metals		< 5		< 0.2									
MW5CSW	10/22/01	Metals		< 5		< 0.2									

Appendix G-2C
Groundwater Data for Sub-area 6C: GKN Facility
Boeing Tract 1, St. Louis, Missouri

Sample ID	Date	Group	Kerosene (C9-C16)	Lead	Lead, Dissolved	Mercury	Methyl ethyl ketone (MEK)	Methyl isobutyl ketone	Methylene chloride	Mineral Spirits (C7-C14)	Misc_TPH (C10-C40)	Motor Oil	Motor Oil (C16-C33)	Selenium	Selenium, Dissolved
MW5CSW	8/14/02	Metals		< 5		< 0.2									
MW5CSW	12/10/02	Metals		< 5		< 0.2									
MW5CSW	3/14/03	Metals		< 5		< 0.2									
MW5CSW	6/24/03	Metals		26		< 0.2									
MW5CSW DUP	8/14/02	VOCs					< 50	< 50	< 5						
MW5DSW	12/4/00	VOCs					< 20	< 20	< 5						
MW5DSW	1/8/01	VOCs					< 10	< 10	< 5						
MW5DSW	5/7/01	VOCs					< 50	< 50	< 5						
MW5DSW	7/19/01	VOCs					< 50	< 50	< 5						
MW5DSW	10/25/01	VOCs					< 50	< 50	< 5						
MW5DSW	3/11/02	VOCs					< 50	< 50	< 5						
MW5DSW	5/31/02	VOCs					< 50	< 50	< 5						
MW5DSW	8/16/02	VOCs					< 50	< 50	< 5						
MW5DSW	12/11/02	VOCs					< 50	< 50	< 5						
MW5DSW	3/13/03	VOCs					< 50	< 50	< 5						
MW5DSW	6/24/03	VOCs					< 50	< 50	< 5						
MW5DSW	5/7/01	TPH													
MW5DSW	7/19/01	TPH													
MW5DSW	10/25/01	TPH													
MW5DSW	3/11/02	TPH													
MW5DSW	5/31/02	TPH													
MW5DSW	8/16/02	TPH													
MW5DSW	12/11/02	TPH													
MW5DSW	3/13/03	TPH													
MW5DSW	6/24/03	TPH	< 100							< 100	< 100		< 100		
MW5DSW	12/4/00	Metals, Dissolved			< 3										< 5
MW5DSW	1/9/01	Metals, Dissolved			< 50										< 100
MW5DSW	12/11/02	Metals, Dissolved			< 5										
MW5DSW	3/13/03	Metals, Dissolved			< 5										
MW5DSW	6/24/03	Metals, Dissolved			5.6										
MW5DSW	12/4/00	Metals		< 3		< 0.2								< 5	
MW5DSW	1/8/01	Metals		< 50		< 0.2								< 100	
MW5DSW	5/7/01	Metals		< 5		< 0.2									
MW5DSW	7/19/01	Metals		< 5		< 0.2									
MW5DSW	10/25/01	Metals		< 5		< 0.2									
MW5DSW	12/11/02	Metals		19		< 0.2									
MW5DSW	3/13/03	Metals		12		< 0.2									
MW5DSW	6/24/03	Metals		12		< 0.2									
MW5DSW DUP	12/11/02	VOCs					< 50	< 50	< 5						
MW5DSW DUP	3/13/03	VOCs					< 50	< 50	< 5						
MW5W	7/28/00	VOCs					< 5	< 5	J B 0.55						
MW5W	1/11/01	VOCs					< 10	< 10	< 5						

Sample ID	Date	Group	Kerosene (C9-C16)	Lead	Lead, Dissolved	Mercury	Methyl ethyl ketone (MEK)	Methyl isobutyl ketone	Methylene chloride	Mineral Spirits (C7-C14)	Misc_TPH (C10-C40)	Motor Oil	Motor Oil (C16-C33)	Selenium	Selenium, Dissolved
MW5W	5/7/01	VOCs					< 50	< 50	< 5						
MW5W	7/24/01	VOCs					< 50	< 50	< 5						
MW5W	7/28/00	TPH													
MW5W	7/28/00	PCB													
MW5W	7/28/00	PAHs													
MW5W	5/7/01	Metals, Dissolved			< 5										
MW5W	7/28/00	Metals		12.9		B 0.062								< 5	
MW5W	1/11/01	Metals		< 50		< 0.2								< 100	
MW5W	5/7/01	Metals		8.4		< 0.2									
MW5W	7/24/01	Metals		10		< 0.2									
MW5W	7/28/00	Cyanide													
MW5W DUP	1/11/01	VOCs					< 10	< 10	< 5						
MW5W DUP	1/11/01	Metals		< 50		< 0.2								< 100	
MW8ADW	09/28/00	VOCs					< 20	< 20	< 5						
MW8ADW	01/12/01	VOCs					< 10	< 10	< 5						
MW8ADW	05/08/01	VOCs					< 50	< 50	< 5						
MW8ADW	07/19/01	VOCs					< 50	< 50	< 5						
MW8ADW	10/22/01	VOCs					< 50	< 50	< 5						
MW8ADW	03/07/02	VOCs					< 50	< 50	< 5						
MW8ADW	06/04/02	VOCs					< 50	< 50	< 5						
MW8ADW	08/14/02	VOCs					< 50	< 50	< 5						
MW8ADW	12/10/02	VOCs					< 50	< 50	< 5						
MW8ADW	03/14/03	VOCs					< 50	< 50	< 5						
MW8ADW	06/24/03	VOCs					< 50	< 50	< 5						
MW8ADW	09/28/00	Metals, Dissolved			17.7										< 5
MW8ADW	01/12/01	Metals, Dissolved			< 50										< 100
MW8ADW	09/28/00	Metals		33.2		0.23								< 5	
MW8ADW	01/12/01	Metals		< 50		< 0.2								< 100	
MW8ADW	05/08/01	Metals		< 5		< 0.2									
MW8ADW	07/19/01	Metals		7.5		< 0.2									
MW8ADW	10/22/01	Metals		22		0.3									
MW8ADW DUP	06/04/02	VOCs					< 50	< 50	< 5						
MW8ADW DUP	08/14/02	VOCs					< 50	< 50	< 5						
MW8ASW	09/26/00	VOCs					< 20	< 20	< 5						
MW8ASW	01/09/01	VOCs					< 10	< 10	< 5						
MW8ASW	05/08/01	VOCs					< 50	< 50	< 5						
MW8ASW	07/19/01	VOCs					< 50	< 50	< 5						
MW8ASW	10/22/01	VOCs					< 50	< 50	< 5						
MW8ASW	03/07/02	VOCs					< 50	< 50	< 5						
MW8ASW	05/31/02	VOCs					< 50	< 50	< 5						
MW8ASW	08/14/02	VOCs					< 50	< 50	< 5						
MW8ASW	12/06/02	VOCs					< 50	< 50	< 5						

Appendix G-2C
Groundwater Data for Sub-area 6C: GKN Facility
Boeing Tract 1, St. Louis, Missouri

Sample ID	Date	Group	Kerosene (C9-C16)	Lead	Lead, Dissolved	Mercury	Methyl ethyl ketone (MEK)	Methyl isobutyl ketone	Methylene chloride	Mineral Spirits (C7-C14)	Misc_TPH (C10-C40)	Motor Oil	Motor Oil (C16-C33)	Selenium	Selenium, Dissolved
MW8ASW	03/14/03	VOCs					< 50	< 50	< 5						
MW8ASW	06/20/03	VOCs					< 50	< 50	< 5						
MW8ASW	09/26/00	Metals		< 3		< 0.2								< 5	
MW8ASW	01/09/01	Metals		< 50		< 0.2								< 100	
MW8ASW	05/08/01	Metals		< 5		< 0.2									
MW8ASW	07/19/01	Metals		< 5		< 0.2									
MW8ASW	10/22/01	Metals		< 5		< 0.2									
MW8W	07/27/00	VOCs					< 5	< 5	< 1						
MW8W	01/09/01	VOCs					< 10	< 10	< 5						
MW8W	05/08/01	VOCs					< 50	< 50	< 5						
MW8W	07/19/01	VOCs					< 50	< 50	< 5						
MW8W	10/22/01	VOCs					< 50	< 50	< 5						
MW8W	03/07/02	VOCs					< 50	< 50	< 5						
MW8W	05/31/02	VOCs					< 50	< 50	< 5						
MW8W	08/21/02	VOCs					< 50	< 50	< 5						
MW8W	12/06/02	VOCs					< 50	< 50	< 5						
MW8W	03/14/03	VOCs					< 50	< 50	< 5						
MW8W	06/20/03	VOCs					< 50	< 50	< 5						
MW8W	07/27/00	TPH													
MW8W	07/27/00	PCB													
MW8W	07/27/00	PAHs													
MW8W	07/27/00	Metals		26.7		B 0.1								< 5	
MW8W	01/09/01	Metals		< 50		0.3								< 100	
MW8W	05/08/01	Metals		15		< 0.2									
MW8W	07/19/01	Metals		< 5		< 0.2									
MW8W	10/22/01	Metals		< 5		< 0.2									
MW8W	07/27/00	Cyanide													

Notes:
All concentrations in ug/L (micrograms per liter)
< Less than detection limit shown
Blanks: Not analyzed
VOC: Volatile organic carbon
TPH: Total petroleum hydrocarbon
PAH: Polynuclear aromatic hydrocarbon
PCB: Polychlorinated byphenol
Lab qualifiers in Section 1.0

Sample ID	Date	Group	Stoddard Solvent	Tetrachloro ethene	Toluene	TPH (GC/FID) High Fraction	TPH (GC/FID) Low Fraction	TPH as Diesel	trans-1,2-Dichloro ethene	Trichloro ethene	Vinyl chloride	Volatile Petroleum Hydrocarbons	nC6 to nC12 (GRO-TX1005)	>nC12 to nC28 (DRO-TX1005)	>nC28 to nC35 (ORO-TX1005)	Total Petroleum Hydrocarbon (TX1005)
B25MW1W	1/11/01	VOCs		< 5	< 5				< 5	< 5	< 10					
B25MW1W	5/9/01	VOCs		< 1	< 1				< 1	< 1	< 1					
B25MW1W	7/23/01	VOCs		< 1	< 5				< 1	< 1	< 1					
B25MW1W	10/24/01	VOCs		< 1	< 5				< 1	< 1	< 1					
B25MW1W	3/21/02	VOCs		< 1	< 5				< 1	< 1	< 1					
B25MW1W	5/31/02	VOCs		< 1	< 5				< 1	< 1	< 1					
B25MW1W	6/25/03	VOCs		< 1	< 5				< 1	< 1	< 1					
B25MW1W	9/20/00	TPH						< 500				< 100				
B25MW1W	1/11/01	TPH														
B25MW1W	5/9/01	TPH				1400										
B25MW1W	7/23/01	TPH				190										
B25MW1W	10/24/01	TPH				200										
B25MW1W	5/31/02	TPH				160										
B25MW1W	6/25/03	TPH					< 100									
B25MW1W	1/11/01	Metals, Dissolved														
B25MW1W	9/20/00	Metals														
B25MW1W	1/11/01	Metals														
B25MW1W	5/9/01	Metals														
B25MW1W	7/23/01	Metals														
B25MW1W	10/24/01	Metals														
B25MW4W	1/11/01	VOCs		< 5	< 5				< 5	< 5	< 10					
B25MW4W	5/9/01	VOCs		< 1	< 1				< 1	< 1	< 1					
B25MW4W	7/23/01	VOCs		< 1	< 5				< 1	< 1	< 1					
B25MW4W	10/24/01	VOCs		< 1	< 5				< 1	< 1	< 1					
B25MW4W	3/11/02	VOCs		< 1	< 5				< 1	< 1	< 1					
B25MW4W	5/31/02	VOCs		< 1	< 5				< 1	< 1	< 1					
B25MW4W	9/20/00	TPH						8000				< 100				
B25MW4W	1/11/01	TPH						583								
B25MW4W	5/9/01	TPH				60										
B25MW4W	7/23/01	TPH				1400										
B25MW4W	10/24/01	TPH				2200										
B25MW4W	3/11/02	TPH				3300										
B25MW4W	5/31/02	TPH				4000										
B25MW4W	1/11/01	Metals, Dissolved														
B25MW4W	5/9/01	Metals, Dissolved														
B25MW4W	10/24/01	Metals, Dissolved														
B25MW4W	3/21/02	Metals, Dissolved														
B25MW4W	5/31/02	Metals, Dissolved														
B25MW4W	9/20/00	Metals														
B25MW4W	1/11/01	Metals														
B25MW4W	5/9/01	Metals														
B25MW4W	7/23/01	Metals														
B25MW4W	10/24/01	Metals														

Sample ID	Date	Group	Stoddard Solvent	Tetrachloro ethene	Toluene	TPH (GC/FID) High Fraction	TPH (GC/FID) Low Fraction	TPH as Diesel	trans-1,2-Dichloro ethene	Trichloro ethene	Vinyl chloride	Volatile Petroleum Hydrocarbons	nC6 to nC12 (GRO-TX1005)	>nC12 to nC28 (DRO-TX1005)	>nC28 to nC35 (ORO-TX1005)	Total Petroleum Hydrocarbon (TX1005)
B25MW4W	3/21/02	Metals														
B25MW4W	5/31/02	Metals														
B27E10W	11/13/00	VOCs		< 5	< 5				< 2.5	< 5	< 5					
B27E10W	11/13/00	Metals														
B27E11W	11/14/00	VOCs		< 5	< 5				< 2.5	< 5	< 5					
B27E11W	11/14/00	Metals														
B27E15W	7/25/03	VOCs		< 1	< 5				< 1	< 1	< 1					
B27E15W	7/25/03	TPH	< 1000													
B27E15W	7/25/03	Metals, Dissolved														
B27E15W	7/25/03	Metals														
B27E15W Dup	7/25/03	VOCs			< 5											
B27E15W Dup	7/25/03	TPH	< 1000													
B27E1W	7/21/00	VOCs		3.5	J 0.36					D 2700	J 1.1					
B27E1W	7/21/00	TPH						< 500				480				
B27E1W	7/21/00	PCB														
B27E1W	7/21/00	PAHs														
B27E1W	7/21/00	Metals														
B27E2W	7/20/00	VOCs		< 1	< 1					< 1	< 2					
B27E2W	7/20/00	TPH						11000				< 100				
B27E2W-2004	4/29/04	TPH											<500	1800	<500	1800
B27E2W	7/20/00	PCB														
B27E2W	7/20/00	PAHs														
B27E2W	7/20/00	Metals														
B27E3W	9/19/00	VOCs		< 5	< 5				< 5	< 5	< 5					
B27E3W	9/18/00	Metals														
B27E4W	9/19/00	VOCs		< 5	< 5				< 5	418.7	< 5					
B27E4W	9/21/00	Metals, Dissolved														
B27E4W	9/18/00	Metals														
B27E4W DUP	9/19/00	VOCs		< 5	< 5				< 5	358.2	< 5					
B27E4W DUP	9/21/00	Metals, Dissolved														
B27E4W DUP	9/21/00	Metals														
B27E5W	9/20/00	VOCs		< 5	< 5				< 2.5	< 5	< 5					
B27E5W	9/20/00	Metals														
B27E5W DUP	9/20/00	VOCs		< 5	< 5				< 5	< 5	< 5					
B27E6W	9/19/00	VOCs		< 5	< 5				< 5	< 5	< 5					
B27E6W	9/19/00	Metals														
B27E6W DUP	9/19/00	VOCs		< 5	< 5				< 5	< 5	< 5					
B27E7W	11/13/00	VOCs		< 5	< 5				< 2.5	< 5	< 5					
B27E7W	11/13/00	Metals														
B27E8W	11/13/00	VOCs		< 5	< 5				< 2.5	< 5	< 5					
B27E8W	11/13/00	Metals														
B27E9W	11/13/00	VOCs		< 5	< 5				< 2.5	< 5	< 5					
B27E9W	11/13/00	Metals														

Appendix G-2C
Groundwater Data for Sub-area 6C: GKN Facility
Boeing Tract 1, St. Louis, Missouri

Sample ID	Date	Group	Stoddard Solvent	Tetrachloro ethene	Toluene	TPH (GC/FID) High Fraction	TPH (GC/FID) Low Fraction	TPH as Diesel	trans-1,2-Dichloro ethene	Trichloro ethene	Vinyl chloride	Volatile Petroleum Hydrocarbons	nC6 to nC12 (GRO-TX1005)	>nC12 to nC28 (DRO-TX1005)	>nC28 to nC35 (ORO-TX1005)	Total Petroleum Hydrocarbon (TX1005)
B27I10W	11/16/00	TPH						< 50000				710				
B27I11W	11/16/00	TPH						6800				270				
B27I12W	7/22/03	VOCs		< 1	< 5				< 1	< 1	< 1					
B27I12W	7/22/03	TPH	< 1000													
B27I12W Dup	7/22/03	VOCs		< 1	< 1				< 1	< 1	< 1					
B27I13W	7/22/03	VOCs		< 1	< 5				< 1	< 1	< 1					
B27I13W	7/22/03	TPH	< 1000													
B27I13W Dup	7/22/03	VOCs			< 5											
B27I13W Dup	7/22/03	TPH	< 1000													
B27I1W	7/21/00	VOCs		< 1	< 1					D 620	31					
B27I1W	7/21/00	TPH						< 500				520				
B27I1W	7/21/00	PCB														
B27I1W	7/21/00	PAHs														
B27I1W	7/21/00	Metals														
B27I2W	7/21/00	VOCs		< 1	< 1					D 200	18					
B27I2W	7/25/00	VOCs														
B27I2W	7/24/00	TPH						< 1100								
B27I2W	7/26/00	TPH										110				
B27I2W	7/25/00	PAHs														
B27I2W	7/24/00	Metals														
B27I5W	7/21/00	VOCs		< 1	J 0.5					7.4	< 2					
B27I5W	7/21/00	TPH						< 500				< 100				
B27I5W	7/21/00	PCB														
B27I5W	7/21/00	PAHs														
B27I5W	7/21/00	Metals														
B27I6W	7/25/00	VOCs		< 1	< 1					< 1	16					
B27I6W	7/26/00	VOCs														
B27I6W	7/25/00	TPH										< 100				
B27I6W	7/26/00	TPH						8000								
B27I6W	7/26/00	PAHs														
B27I6W	7/26/00	Metals														
B27I7W	7/21/00	VOCs		< 1	< 1					J 0.46	< 2					
B27I7W	7/21/00	TPH						8500				< 100				
B27I7W	7/21/00	PCB														
B27I7W	7/21/00	PAHs														
B27I7W	7/21/00	Metals														
B27I8W	7/21/00	VOCs		< 1	J 0.38					J 0.25	< 2					
B27I8W	7/21/00	TPH						< 500				< 100				
B27I8W	7/21/00	PCB														
B27I8W	7/21/00	PAHs														
B27I8W	7/21/00	Metals														
B27I9W	7/25/00	VOCs		< 1	< 1					< 1	< 2					

Sample ID	Date	Group	Stoddard Solvent	Tetrachloro ethene	Toluene	TPH (GC/FID) High Fraction	TPH (GC/FID) Low Fraction	TPH as Diesel	trans-1,2-Dichloro ethene	Trichloro ethene	Vinyl chloride	Volatile Petroleum Hydrocarbons	nC6 to nC12 (GRO-TX1005)	>nC12 to nC28 (DRO-TX1005)	>nC28 to nC35 (ORO-TX1005)	Total Petroleum Hydrocarbon (TX1005)
B27I9W	7/25/00	TPH						120000				110				
B27I9W-2004	4/29/04	TPH											<500	3200	2300	5500
B27I9W	7/25/00	PAHs														
B27I9W	7/25/00	Metals														
B27I9W DUP	7/25/00	VOCs		< 1	< 1					< 1	< 2					
B27I9W DUP	7/25/00	TPH						62000				< 100				
B27I9W DUP	7/25/00	PAHs														
B27I9W DUP	7/25/00	Metals														
B27S1W	7/20/00	VOCs		< 1	< 1					< 1	< 2					
B27S1W	7/20/00	TPH						< 500				< 100				
B27S1W	7/20/00	PCB														
B27S1W	7/20/00	PAHs														
B27S1W	7/20/00	Metals														
B27S2W	7/20/00	VOCs		< 1	< 1					< 1	< 2					
B27S2W	7/20/00	TPH						< 500				< 100				
B27S2W	7/20/00	PCB														
B27S2W	7/20/00	PAHs														
B27S2W	7/20/00	Metals														
B27S3W	7/20/00	VOCs		< 1	< 1					< 1	< 2					
B27S3W	7/20/00	TPH						< 500				< 100				
B27S3W	7/20/00	PCB														
B27S3W	7/20/00	PAHs														
B27S3W	7/20/00	Metals														
MW5ADW	9/27/00	VOCs		< 5	< 5				< 2.5	< 5	< 5					
MW5ADW	1/11/01	VOCs		< 5	< 5				< 5	< 5	< 10					
MW5ADW	5/8/01	VOCs		< 1	< 1				< 1	< 1	< 1					
MW5ADW	7/20/01	VOCs		< 1	< 5				< 1	< 1	< 1					
MW5ADW	10/22/01	VOCs		< 1	< 5				< 1	< 1	< 1					
MW5ADW	3/8/02	VOCs		< 1	< 5				< 1	18	< 1					
MW5ADW	6/4/02	VOCs		< 1	< 5				< 1	H 1.6	< 1					
MW5ADW	8/16/02	VOCs		< 1	< 5				< 1	< 1	< 1					
MW5ADW	12/10/02	VOCs		< 1	< 5				< 1	< 1	< 1					
MW5ADW	3/13/03	VOCs		< 1	< 5				< 1	< 1	< 1					
MW5ADW	6/24/03	VOCs		< 1	< 5				< 1	< 1	< 1					
MW5ADW	9/27/00	Metals, Dissolved														
MW5ADW	1/11/01	Metals, Dissolved														
MW5ADW	9/27/00	Metals														
MW5ADW	1/11/01	Metals														
MW5ADW	5/8/01	Metals														
MW5ADW	7/20/01	Metals														
MW5ADW	10/22/01	Metals														
MW5ADW DUP	1/11/01	VOCs		< 5	< 5				< 5	< 5	< 10					
MW5ADW DUP	1/11/01	Metals, Dissolved														

Appendix G-2C
Groundwater Data for Sub-area 6C: GKN Facility
Boeing Tract 1, St. Louis, Missouri

Sample ID	Date	Group	Stoddard Solvent	Tetrachloro ethene	Toluene	TPH (GC/FID) High Fraction	TPH (GC/FID) Low Fraction	TPH as Diesel	trans-1,2-Dichloro ethene	Trichloro ethene	Vinyl chloride	Volatile Petroleum Hydrocarbons	nC6 to nC12 (GRO-TX1005)	>nC12 to nC28 (DRO-TX1005)	>nC28 to nC35 (ORO-TX1005)	Total Petroleum Hydrocarbon (TX1005)
MW5ADW DUP	1/11/01	Metals														
MW5ASW	9/27/00	VOCs		< 5	< 5				3.2	14	J 6.1					
MW5ASW	1/11/01	VOCs		< 5	< 5				< 5	10	< 10					
MW5ASW	5/7/01	VOCs		< 1	< 1				< 1	6.4	3.7					
MW5ASW	7/20/01	VOCs		< 1	< 5				H 1.8	H 9.2	H 4.4					
MW5ASW	10/22/01	VOCs		< 1	< 5				2.5	9.5	3.7					
MW5ASW	3/6/02	VOCs		< 1	< 5				1.8	14	< 1					
MW5ASW	6/4/02	VOCs		< 5	< 25				< 5	FH 100	< 5					
MW5ASW	8/14/02	VOCs		< 1	< 5				4.8	EV 210	2.8					
MW5ASW	12/10/02	VOCs		< 1	< 5				3.7	E 180	1.4					
MW5ASW	3/14/03	VOCs		< 1	< 5				4	E 280	2.2					
MW5ASW	6/24/03	VOCs		< 1	< 5				4.9	E 320	1.5					
MW5ASW	8/14/02	TPH				J3 130										
MW5ASW	12/10/02	TPH				< 100										
MW5ASW	3/14/03	TPH				< 100										
MW5ASW	6/24/03	TPH					< 100									
MW5ASW	3/6/02	Metals, Dissolved														
MW5ASW	6/4/02	Metals, Dissolved														
MW5ASW	8/14/02	Metals, Dissolved														
MW5ASW	12/10/02	Metals, Dissolved														
MW5ASW	3/14/03	Metals, Dissolved														
MW5ASW	6/24/03	Metals, Dissolved														
MW5ASW	9/27/00	Metals														
MW5ASW	1/11/01	Metals														
MW5ASW	5/7/01	Metals														
MW5ASW	7/20/01	Metals														
MW5ASW	10/22/01	Metals														
MW5ASW	3/6/02	Metals														
MW5ASW	6/4/02	Metals														
MW5ASW	8/14/02	Metals														
MW5ASW	12/10/02	Metals														
MW5ASW	3/14/03	Metals														
MW5ASW	6/24/03	Metals														
MW5BSW	12/4/00	VOCs		< 5	< 5				< 2.5	< 5	< 5					
MW5BSW	1/8/01	VOCs		< 5	< 5				< 5	< 5	< 10					
MW5BSW	5/7/01	VOCs		< 1	< 1				< 1	< 1	< 1					
MW5BSW	7/19/01	VOCs		< 1	< 5				< 1	< 1	< 1					
MW5BSW	10/22/01	VOCs		< 1	< 5				< 1	< 1	< 1					
MW5BSW	3/11/02	VOCs		< 1	< 5				< 1	< 1	< 1					
MW5BSW	5/31/02	VOCs		< 1	< 5				< 1	< 1	< 1					
MW5BSW	8/16/02	VOCs		< 1	< 5				< 1	< 1	< 1					
MW5BSW	12/10/02	VOCs		< 1	< 5				< 1	< 1	< 1					

Sample ID	Date	Group	Stoddard Solvent	Tetrachloro ethene	Toluene	TPH (GC/FID) High Fraction	TPH (GC/FID) Low Fraction	TPH as Diesel	trans-1,2-Dichloro ethene	Trichloro ethene	Vinyl chloride	Volatile Petroleum Hydrocarbons	nC6 to nC12 (GRO-TX1005)	>nC12 to nC28 (DRO-TX1005)	>nC28 to nC35 (ORO-TX1005)	Total Petroleum Hydrocarbon (TX1005)
MW5BSW	3/14/03	VOCs		< 1	< 5				< 1	< 1	< 1					
MW5BSW	6/24/03	VOCs		< 1	< 5				< 1	< 1	< 1					
MW5BSW	8/16/02	TPH				< 100										
MW5BSW	12/10/02	TPH				< 100										
MW5BSW	3/14/03	TPH				< 100										
MW5BSW	6/24/03	TPH					< 100									
MW5BSW	12/4/00	Metals, Dissolved														
MW5BSW	12/10/02	Metals, Dissolved														
MW5BSW	3/14/03	Metals, Dissolved														
MW5BSW	6/24/03	Metals, Dissolved														
MW5BSW	12/4/00	Metals														
MW5BSW	1/8/01	Metals														
MW5BSW	5/7/01	Metals														
MW5BSW	7/19/01	Metals														
MW5BSW	10/22/01	Metals														
MW5BSW	12/10/02	Metals														
MW5BSW	3/14/03	Metals														
MW5BSW	6/24/03	Metals														
MW5CSW	12/4/00	VOCs		< 5	< 5				< 2.5	< 5	< 5					
MW5CSW	1/8/01	VOCs		< 5	< 5				< 5	< 5	< 10					
MW5CSW	5/7/01	VOCs		< 1	< 1				< 1	< 1	< 1					
MW5CSW	7/19/01	VOCs		< 1	< 5				< 1	< 1	< 1					
MW5CSW	10/22/01	VOCs		< 1	< 5				< 1	< 1	< 1					
MW5CSW	5/31/02	VOCs		< 1	< 5				< 1	< 1	< 1					
MW5CSW	8/14/02	VOCs		< 1	< 5				< 1	< 1	< 1					
MW5CSW	12/10/02	VOCs		< 1	< 5				< 1	< 1	< 1					
MW5CSW	3/14/03	VOCs		< 1	< 5				< 1	< 1	< 1					
MW5CSW	6/24/03	VOCs		< 1	< 5				< 1	< 1	< 1					
MW5CSW	8/14/02	TPH				J3 120										
MW5CSW	12/10/02	TPH				< 100										
MW5CSW	3/14/03	TPH				< 100										
MW5CSW	6/24/03	TPH					< 100									
MW5CSW	1/9/01	Metals, Dissolved														
MW5CSW	8/14/02	Metals, Dissolved														
MW5CSW	12/10/02	Metals, Dissolved														
MW5CSW	3/14/03	Metals, Dissolved														
MW5CSW	6/24/03	Metals, Dissolved														
MW5CSW	12/4/00	Metals														
MW5CSW	1/8/01	Metals														
MW5CSW	5/7/01	Metals														
MW5CSW	7/19/01	Metals														
MW5CSW	10/22/01	Metals														

Sample ID	Date	Group	Stoddard Solvent	Tetrachloro ethene	Toluene	TPH (GC/FID) High Fraction	TPH (GC/FID) Low Fraction	TPH as Diesel	trans-1,2-Dichloro ethene	Trichloro ethene	Vinyl chloride	Volatile Petroleum Hydrocarbons	nC6 to nC12 (GRO-TX1005)	>nC12 to nC28 (DRO-TX1005)	>nC28 to nC35 (ORO-TX1005)	Total Petroleum Hydrocarbon (TX1005)
MW5CSW	8/14/02	Metals														
MW5CSW	12/10/02	Metals														
MW5CSW	3/14/03	Metals														
MW5CSW	6/24/03	Metals														
MW5CSW DUP	8/14/02	VOCs		< 1	< 5				< 1	< 1	< 1					
MW5DSW	12/4/00	VOCs		< 5	< 5				< 2.5	< 5	< 5					
MW5DSW	1/8/01	VOCs		< 5	< 5				< 5	< 5	< 10					
MW5DSW	5/7/01	VOCs		< 1	< 1				< 1	< 1	< 1					
MW5DSW	7/19/01	VOCs		< 1	< 5				< 1	< 1	< 1					
MW5DSW	10/25/01	VOCs		< 1	< 5				< 1	< 1	< 1					
MW5DSW	3/11/02	VOCs		< 1	< 5				< 1	< 1	< 1					
MW5DSW	5/31/02	VOCs		< 1	< 5				< 1	< 1	< 1					
MW5DSW	8/16/02	VOCs		< 1	< 5				< 1	< 1	< 1					
MW5DSW	12/11/02	VOCs		< 1	< 5				< 1	< 1	< 1					
MW5DSW	3/13/03	VOCs		< 1	< 5				< 1	< 1	< 1					
MW5DSW	6/24/03	VOCs		< 1	< 5				< 1	< 1	< 1					
MW5DSW	5/7/01	TPH				< 100										
MW5DSW	7/19/01	TPH				< 100										
MW5DSW	10/25/01	TPH				< 100										
MW5DSW	3/11/02	TPH				< 100										
MW5DSW	5/31/02	TPH				< 100										
MW5DSW	8/16/02	TPH				< 100										
MW5DSW	12/11/02	TPH				< 100										
MW5DSW	3/13/03	TPH				< 100										
MW5DSW	6/24/03	TPH					< 100									
MW5DSW	12/4/00	Metals, Dissolved														
MW5DSW	1/9/01	Metals, Dissolved														
MW5DSW	12/11/02	Metals, Dissolved														
MW5DSW	3/13/03	Metals, Dissolved														
MW5DSW	6/24/03	Metals, Dissolved														
MW5DSW	12/4/00	Metals														
MW5DSW	1/8/01	Metals														
MW5DSW	5/7/01	Metals														
MW5DSW	7/19/01	Metals														
MW5DSW	10/25/01	Metals														
MW5DSW	12/11/02	Metals														
MW5DSW	3/13/03	Metals														
MW5DSW	6/24/03	Metals														
MW5DSW DUP	12/11/02	VOCs		< 1	< 5				< 1	< 1	< 1					
MW5DSW DUP	3/13/03	VOCs		< 1	< 5				< 1	< 1	< 1					
MW5W	7/28/00	VOCs		< 1	< 1					29	13					
MW5W	1/11/01	VOCs		< 5	< 5				< 5	54	< 10					

Appendix G-2C
Groundwater Data for Sub-area 6C: GKN Facility
Boeing Tract 1, St. Louis, Missouri

Sample ID	Date	Group	Stoddard Solvent	Tetrachloro ethene	Toluene	TPH (GC/FID) High Fraction	TPH (GC/FID) Low Fraction	TPH as Diesel	trans-1,2-Dichloro ethene	Trichloro ethene	Vinyl chloride	Volatile Petroleum Hydrocarbons	nC6 to nC12 (GRO-TX1005)	>nC12 to nC28 (DRO-TX1005)	>nC28 to nC35 (ORO-TX1005)	Total Petroleum Hydrocarbon (TX1005)
MW5W	5/7/01	VOCs		< 1	< 1				< 1	48	9.6					
MW5W	7/24/01	VOCs		H 1.5	< 5				< 1	EH 60	HJ3 2.3					
MW5W	7/28/00	TPH						< 630				< 100				
MW5W	7/28/00	PCB														
MW5W	7/28/00	PAHs														
MW5W	5/7/01	Metals, Dissolved														
MW5W	7/28/00	Metals														
MW5W	1/11/01	Metals														
MW5W	5/7/01	Metals														
MW5W	7/24/01	Metals														
MW5W	7/28/00	Cyanide														
MW5W DUP	1/11/01	VOCs		< 5	< 5				< 5	56	< 10					
MW5W DUP	1/11/01	Metals														
MW8ADW	09/28/00	VOCs		< 5	< 5				< 2.5	< 5	< 5					
MW8ADW	01/12/01	VOCs		< 5	< 5				< 5	< 5	< 10					
MW8ADW	05/08/01	VOCs		< 1	< 1				< 1	< 1	< 1					
MW8ADW	07/19/01	VOCs		< 1	< 5				< 1	< 1	< 1					
MW8ADW	10/22/01	VOCs		< 1	< 5				< 1	< 1	< 1					
MW8ADW	03/07/02	VOCs		< 1	< 5				< 1	< 1	< 1					
MW8ADW	06/04/02	VOCs		< 1	< 5				< 1	< 1	< 1					
MW8ADW	08/14/02	VOCs		< 1	< 5				< 1	< 1	< 1					
MW8ADW	12/10/02	VOCs		< 1	< 5				< 1	< 1	< 1					
MW8ADW	03/14/03	VOCs		< 1	< 5				< 1	< 1	< 1					
MW8ADW	06/24/03	VOCs		< 1	< 5				< 1	< 1	< 1					
MW8ADW	09/28/00	Metals, Dissolved														
MW8ADW	01/12/01	Metals, Dissolved														
MW8ADW	09/28/00	Metals														
MW8ADW	01/12/01	Metals														
MW8ADW	05/08/01	Metals														
MW8ADW	07/19/01	Metals														
MW8ADW	10/22/01	Metals														
MW8ADW DUP	06/04/02	VOCs		< 1	< 5				< 1	< 1	< 1					
MW8ADW DUP	08/14/02	VOCs		< 1	< 5				< 1	< 1	< 1					
MW8ASW	09/26/00	VOCs		< 5	< 5				< 2.5	< 5	< 5					
MW8ASW	01/09/01	VOCs		< 5	< 5				< 5	< 5	< 10					
MW8ASW	05/08/01	VOCs		< 1	1.6				< 1	< 1	< 1					
MW8ASW	07/19/01	VOCs		< 1	< 5				< 1	< 1	< 1					
MW8ASW	10/22/01	VOCs		< 1	< 5				< 1	< 1	< 1					
MW8ASW	03/07/02	VOCs		< 1	< 5				< 1	< 1	< 1					
MW8ASW	05/31/02	VOCs		< 1	< 5				< 1	< 1	< 1					
MW8ASW	08/14/02	VOCs		< 1	< 5				< 1	< 1	< 1					
MW8ASW	12/06/02	VOCs		< 1	< 5				< 1	< 1	< 1					

App[illegible]G-2C
Groundwater Data for Sub-area 6C: GKN Facility
Boeing Tract 1, St. Louis, Missouri

Sample ID	Date	Group	Stoddard Solvent	Tetrachloro ethene	Toluene	TPH (GC/FID) High Fraction	TPH (GC/FID) Low Fraction	TPH as Diesel	trans-1,2-Dichloro ethene	Trichloro ethene	Vinyl chloride	Volatile Petroleum Hydrocarbons	nC6 to nC12 (GRO TX1005)	>nC12 to nC28 (DRO TX1005)	>nC28 to nC35 (ORO TX1005)	Total Petroleum Hydrocarbon (TX1005)
MW8ASW	03/14/03	VOCs		< 1	< 5				< 1	< 1	< 1					
MW8ASW	06/20/03	VOCs		< 1	< 5				< 1	< 1	< 1					
MW8ASW	09/26/00	Metals														
MW8ASW	01/09/01	Metals														
MW8ASW	05/08/01	Metals														
MW8ASW	07/19/01	Metals														
MW8ASW	10/22/01	Metals														
MW8W	07/27/00	VOCs		< 1	< 1					< 1	< 2					
MW8W	01/09/01	VOCs		< 5	< 5				< 5	< 5	< 10					
MW8W	05/08/01	VOCs		< 1	1.1				< 1	< 1	< 1					
MW8W	07/19/01	VOCs		< 1	< 5				< 1	< 1	< 1					
MW8W	10/22/01	VOCs		< 1	< 5				< 1	< 1	< 1					
MW8W	03/07/02	VOCs		< 1	< 5				< 1	H 7.3	< 1					
MW8W	05/31/02	VOCs		< 1	< 5				< 1	< 1	< 1					
MW8W	08/21/02	VOCs		< 1	< 5				< 1	< 1	< 1					
MW8W	12/06/02	VOCs		< 1	< 5				< 1	< 1	< 1					
MW8W	03/14/03	VOCs		< 1	< 5				< 1	< 1	< 1					
MW8W	06/20/03	VOCs		< 1	< 5				< 1	< 1	< 1					
MW8W	07/27/00	TPH						< 500				< 100				
MW8W	07/27/00	PCB														
MW8W	07/27/00	PAHs														
MW8W	07/27/00	Metals														
MW8W	01/09/01	Metals														
MW8W	05/08/01	Metals														
MW8W	07/19/01	Metals														
MW8W	10/22/01	Metals														
MW8W	07/27/00	Cyanide														

Notes:
All concentrations in ug/L (micrograms per liter)
< Less than detection limit shown
Blanks: Not analyzed
VOC: Volatile organic carbon
TPH: Total petroleum hydrocarbon
PAH: Polynuclear aromatic hydrocarbon
PCB: Polychlorinated byphenol
Lab qualifiers in Section 1.0

Sample ID	Date	Group	Aliphatics nC6 (TX1006)	Aliphatics >nC6 to nC8 (TX1006)	Aliphatics >nC8 to nC10 (TX1006)	Aliphatics >nC10 to nC12 (TX1006)	Aliphatics >nC12 to nC16 (TX1006)	Aliphatics >nC16 to nC21 (TX1006)	Aliphatics >nC21 to nC35 (TX1006)	Aromatics >nC7 to nC8 (TX1006)	Aromatics >nC8 to nC10 (TX1006)	Aromatics >nC10 to nC12 (TX1006)	Aromatics >nC12 to nC16 (TX1006)	Aromatics >nC16 to nC21 (TX1006)	Aromatics >nC21 to nC35 (TX1006)	Total Petroleum Hydrocarbons (TX1006)
B25MW1W	1/11/01	VOCs														
B25MW1W	5/9/01	VOCs														
B25MW1W	7/23/01	VOCs														
B25MW1W	10/24/01	VOCs														
B25MW1W	3/21/02	VOCs														
B25MW1W	5/31/02	VOCs														
B25MW1W	6/25/03	VOCs														
B25MW1W	9/20/00	TPH														
B25MW1W	1/11/01	TPH														
B25MW1W	5/9/01	TPH														
B25MW1W	7/23/01	TPH														
B25MW1W	10/24/01	TPH														
B25MW1W	5/31/02	TPH														
B25MW1W	6/25/03	TPH														
B25MW1W	1/11/01	Metals, Dissolved														
B25MW1W	9/20/00	Metals														
B25MW1W	1/11/01	Metals														
B25MW1W	5/9/01	Metals														
B25MW1W	7/23/01	Metals														
B25MW1W	10/24/01	Metals														
B25MW4W	1/11/01	VOCs														
B25MW4W	5/9/01	VOCs														
B25MW4W	7/23/01	VOCs														
B25MW4W	10/24/01	VOCs														
B25MW4W	3/11/02	VOCs														
B25MW4W	5/31/02	VOCs														
B25MW4W	9/20/00	TPH														
B25MW4W	1/11/01	TPH														
B25MW4W	5/9/01	TPH														
B25MW4W	7/23/01	TPH														
B25MW4W	10/24/01	TPH														
B25MW4W	3/11/02	TPH														
B25MW4W	5/31/02	TPH														
B25MW4W	1/11/01	Metals, Dissolved														
B25MW4W	5/9/01	Metals, Dissolved														
B25MW4W	10/24/01	Metals, Dissolved														
B25MW4W	3/21/02	Metals, Dissolved														
B25MW4W	5/31/02	Metals, Dissolved														
B25MW4W	9/20/00	Metals														
B25MW4W	1/11/01	Metals														
B25MW4W	5/9/01	Metals														
B25MW4W	7/23/01	Metals														
B25MW4W	10/24/01	Metals														

Sample ID	Date	Group	Aliphatics nC6 (TX1006)	Aliphatics >nC6 to nC8 (TX1006)	Aliphatics >nC8 to nC10 (TX1006)	Aliphatics >nC10 to nC12 (TX1006)	Aliphatics >nC12 to nC16 (TX1006)	Aliphatics >nC16 to nC21 (TX1006)	Aliphatics >nC21 to nC35 (TX1006)	Aromatics >nC7 to nC8 (TX1006)	Aromatics >nC8 to nC10 (TX1006)	Aromatics >nC10 to nC12 (TX1006)	Aromatics >nC12 to nC16 (TX1006)	Aromatics >nC16 to nC21 (TX1006)	Aromatics >nC21 to nC35 (TX1006)	Total Petroleum Hydrocarbons (TX1006)
B25MW4W	3/21/02	Metals														
B25MW4W	5/31/02	Metals														
B27E10W	11/13/00	VOCs														
B27E10W	11/13/00	Metals														
B27E11W	11/14/00	VOCs														
B27E11W	11/14/00	Metals														
B27E15W	7/25/03	VOCs														
B27E15W	7/25/03	TPH														
B27E15W	7/25/03	Metals, Dissolved														
B27E15W	7/25/03	Metals														
B27E15W Dup	7/25/03	VOCs														
B27E15W Dup	7/25/03	TPH														
B27E1W	7/21/00	VOCs														
B27E1W	7/21/00	TPH														
B27E1W	7/21/00	PCB														
B27E1W	7/21/00	PAHs														
B27E1W	7/21/00	Metals														
B27E2W	7/20/00	VOCs														
B27E2W	7/20/00	TPH														
B27E2W-2004	4/29/04	TPH	<500	1500	<500	<500	<500	<500	<500	<500	<500	<500	<500	<500	<500	1800
B27E2W	7/20/00	PCB														
B27E2W	7/20/00	PAHs														
B27E2W	7/20/00	Metals														
B27E3W	9/19/00	VOCs														
B27E3W	9/18/00	Metals														
B27E4W	9/19/00	VOCs														
B27E4W	9/21/00	Metals, Dissolved														
B27E4W	9/18/00	Metals														
B27E4W DUP	9/19/00	VOCs														
B27E4W DUP	9/21/00	Metals, Dissolved														
B27E4W DUP	9/21/00	Metals														
B27E5W	9/20/00	VOCs														
B27E5W	9/20/00	Metals														
B27E5W DUP	9/20/00	VOCs														
B27E6W	9/19/00	VOCs														
B27E6W	9/19/00	Metals														
B27E6W DUP	9/19/00	VOCs														
B27E7W	11/13/00	VOCs														
B27E7W	11/13/00	Metals														
B27E8W	11/13/00	VOCs														
B27E8W	11/13/00	Metals														
B27E9W	11/13/00	VOCs														
B27E9W	11/13/00	Metals														

Sample ID	Date	Group	Aliphatics nC6 (TX1006)	Aliphatics >nC6 to nC8 (TX1006)	Aliphatics >nC8 to nC10 (TX1006)	Aliphatics >nC10 to nC12 (TX1006)	Aliphatics >nC12 to nC16 (TX1006)	Aliphatics >nC16 to nC21 (TX1006)	Aliphatics >nC21 to nC35 (TX1006)	Aromatics >nC7 to nC8 (TX1006)	Aromatics >nC8 to nC10 (TX1006)	Aromatics >nC10 to nC12 (TX1006)	Aromatics >nC12 to nC16 (TX1006)	Aromatics >nC16 to nC21 (TX1006)	Aromatics >nC21 to nC35 (TX1006)	Total Petroleum Hydrocarbons (TX1006)
B27I10W	11/16/00	TPH														
B27I11W	11/16/00	TPH														
B27I12W	7/22/03	VOCs														
B27I12W	7/22/03	TPH														
B27I12W Dup	7/22/03	VOCs														
B27I13W	7/22/03	VOCs														
B27I13W	7/22/03	TPH														
B27I13W Dup	7/22/03	VOCs														
B27I13W Dup	7/22/03	TPH														
B27I1W	7/21/00	VOCs														
B27I1W	7/21/00	TPH														
B27I1W	7/21/00	PCB														
B27I1W	7/21/00	PAHs														
B27I1W	7/21/00	Metals														
B27I2W	7/21/00	VOCs														
B27I2W	7/25/00	VOCs														
B27I2W	7/24/00	TPH														
B27I2W	7/26/00	TPH														
B27I2W	7/25/00	PAHs														
B27I2W	7/24/00	Metals														
B27I5W	7/21/00	VOCs														
B27I5W	7/21/00	TPH														
B27I5W	7/21/00	PCB														
B27I5W	7/21/00	PAHs														
B27I5W	7/21/00	Metals														
B27I6W	7/25/00	VOCs														
B27I6W	7/26/00	VOCs														
B27I6W	7/25/00	TPH														
B27I6W	7/26/00	TPH														
B27I6W	7/26/00	PAHs														
B27I6W	7/26/00	Metals														
B27I7W	7/21/00	VOCs														
B27I7W	7/21/00	TPH														
B27I7W	7/21/00	PCB														
B27I7W	7/21/00	PAHs														
B27I7W	7/21/00	Metals														
B27I8W	7/21/00	VOCs														
B27I8W	7/21/00	TPH														
B27I8W	7/21/00	PCB														
B27I8W	7/21/00	PAHs														
B27I8W	7/21/00	Metals														
B27I9W	7/25/00	VOCs														

Sample ID	Date	Group	Aliphatics nC6 (TX1006)	Aliphatics >nC6 to nC8 (TX1006)	Aliphatics >nC8 to nC10 (TX1006)	Aliphatics >nC10 to nC12 (TX1006)	Aliphatics >nC12 to nC16 (TX1006)	Aliphatics >nC16 to nC21 (TX1006)	Aliphatics >nC21 to nC35 (TX1006)	Aromatics >nC7 to nC8 (TX1006)	Aromatics >nC8 to nC10 (TX1006)	Aromatics >nC10 to nC12 (TX1006)	Aromatics >nC12 to nC16 (TX1006)	Aromatics >nC16 to nC21 (TX1006)	Aromatics >nC21 to nC35 (TX1006)	Total Petroleum Hydrocarbons (TX1006)
B27I9W	7/25/00	TPH														
B27I9W-2004	4/29/04	TPH	<500	<500	<500	<500	2000	<500	3000	<500	<500	<500	500	<500	<500	5500
B27I9W	7/25/00	PAHs														
B27I9W	7/25/00	Metals														
B27I9W DUP	7/25/00	VOCs														
B27I9W DUP	7/25/00	TPH														
B27I9W DUP	7/25/00	PAHs														
B27I9W DUP	7/25/00	Metals														
B27S1W	7/20/00	VOCs														
B27S1W	7/20/00	TPH														
B27S1W	7/20/00	PCB														
B27S1W	7/20/00	PAHs														
B27S1W	7/20/00	Metals														
B27S2W	7/20/00	VOCs														
B27S2W	7/20/00	TPH														
B27S2W	7/20/00	PCB														
B27S2W	7/20/00	PAHs														
B27S2W	7/20/00	Metals														
B27S3W	7/20/00	VOCs														
B27S3W	7/20/00	TPH														
B27S3W	7/20/00	PCB														
B27S3W	7/20/00	PAHs														
B27S3W	7/20/00	Metals														
MW5ADW	9/27/00	VOCs														
MW5ADW	1/11/01	VOCs														
MW5ADW	5/8/01	VOCs														
MW5ADW	7/20/01	VOCs														
MW5ADW	10/22/01	VOCs														
MW5ADW	3/8/02	VOCs														
MW5ADW	6/4/02	VOCs														
MW5ADW	8/16/02	VOCs														
MW5ADW	12/10/02	VOCs														
MW5ADW	3/13/03	VOCs														
MW5ADW	6/24/03	VOCs														
MW5ADW	9/27/00	Metals, Dissolved														
MW5ADW	1/11/01	Metals, Dissolved														
MW5ADW	9/27/00	Metals														
MW5ADW	1/11/01	Metals														
MW5ADW	5/8/01	Metals														
MW5ADW	7/20/01	Metals														
MW5ADW	10/22/01	Metals														
MW5ADW DUP	1/11/01	VOCs														
MW5ADW DUP	1/11/01	Metals, Dissolved														

Sample ID	Date	Group	Aliphatics nC6 (TX1006)	Aliphatics >nC6 to nC8 (TX1006)	Aliphatics >nC8 to nC10 (TX1006)	Aliphatics >nC10 to nC12 (TX1006)	Aliphatics >nC12 to nC16 (TX1006)	Aliphatics >nC16 to nC21 (TX1006)	Aliphatics >nC21 to nC35 (TX1006)	Aromatics >nC7 to nC8 (TX1006)	Aromatics >nC8 to nC10 (TX1006)	Aromatics >nC10 to nC12 (TX1006)	Aromatics >nC12 to nC16 (TX1006)	Aromatics >nC16 to nC21 (TX1006)	Aromatics >nC21 to nC35 (TX1006)	Total Petroleum Hydrocarbons (TX1006)
MW5ADW DUP	1/11/01	Metals														
MW5ASW	9/27/00	VOCs														
MW5ASW	1/11/01	VOCs														
MW5ASW	5/7/01	VOCs														
MW5ASW	7/20/01	VOCs														
MW5ASW	10/22/01	VOCs														
MW5ASW	3/6/02	VOCs														
MW5ASW	6/4/02	VOCs														
MW5ASW	8/14/02	VOCs														
MW5ASW	12/10/02	VOCs														
MW5ASW	3/14/03	VOCs														
MW5ASW	6/24/03	VOCs														
MW5ASW	8/14/02	TPH														
MW5ASW	12/10/02	TPH														
MW5ASW	3/14/03	TPH														
MW5ASW	6/24/03	TPH														
MW5ASW	3/6/02	Metals, Dissolved														
MW5ASW	6/4/02	Metals, Dissolved														
MW5ASW	8/14/02	Metals, Dissolved														
MW5ASW	12/10/02	Metals, Dissolved														
MW5ASW	3/14/03	Metals, Dissolved														
MW5ASW	6/24/03	Metals, Dissolved														
MW5ASW	9/27/00	Metals														
MW5ASW	1/11/01	Metals														
MW5ASW	5/7/01	Metals														
MW5ASW	7/20/01	Metals														
MW5ASW	10/22/01	Metals														
MW5ASW	3/6/02	Metals														
MW5ASW	6/4/02	Metals														
MW5ASW	8/14/02	Metals														
MW5ASW	12/10/02	Metals														
MW5ASW	3/14/03	Metals														
MW5ASW	6/24/03	Metals														
MW5BSW	12/4/00	VOCs														
MW5BSW	1/8/01	VOCs														
MW5BSW	5/7/01	VOCs														
MW5BSW	7/19/01	VOCs														
MW5BSW	10/22/01	VOCs														
MW5BSW	3/11/02	VOCs														
MW5BSW	5/31/02	VOCs														
MW5BSW	8/16/02	VOCs														
MW5BSW	12/10/02	VOCs														

Sample ID	Date	Group	Aliphatics nC6 (TX1006)	Aliphatics >nC6 to nC8 (TX1006)	Aliphatics >nC8 to nC10 (TX1006)	Aliphatics >nC10 to nC12 (TX1006)	Aliphatics >nC12 to nC16 (TX1006)	Aliphatics >nC16 to nC21 (TX1006)	Aliphatics >nC21 to nC35 (TX1006)	Aromatics >nC7 to nC8 (TX1006)	Aromatics >nC8 to nC10 (TX1006)	Aromatics >nC10 to nC12 (TX1006)	Aromatics >nC12 to nC16 (TX1006)	Aromatics >nC16 to nC21 (TX1006)	Aromatics >nC21 to nC35 (TX1006)	Total Petroleum Hydrocarbons (TX1006)
MW5BSW	3/14/03	VOCs														
MW5BSW	6/24/03	VOCs														
MW5BSW	8/16/02	TPH														
MW5BSW	12/10/02	TPH														
MW5BSW	3/14/03	TPH														
MW5BSW	6/24/03	TPH														
MW5BSW	12/4/00	Metals, Dissolved														
MW5BSW	12/10/02	Metals, Dissolved														
MW5BSW	3/14/03	Metals, Dissolved														
MW5BSW	6/24/03	Metals, Dissolved														
MW5BSW	12/4/00	Metals														
MW5BSW	1/8/01	Metals														
MW5BSW	5/7/01	Metals														
MW5BSW	7/19/01	Metals														
MW5BSW	10/22/01	Metals														
MW5BSW	12/10/02	Metals														
MW5BSW	3/14/03	Metals														
MW5BSW	6/24/03	Metals														
MW5CSW	12/4/00	VOCs														
MW5CSW	1/8/01	VOCs														
MW5CSW	5/7/01	VOCs														
MW5CSW	7/19/01	VOCs														
MW5CSW	10/22/01	VOCs														
MW5CSW	5/31/02	VOCs														
MW5CSW	8/14/02	VOCs														
MW5CSW	12/10/02	VOCs														
MW5CSW	3/14/03	VOCs														
MW5CSW	6/24/03	VOCs														
MW5CSW	8/14/02	TPH														
MW5CSW	12/10/02	TPH														
MW5CSW	3/14/03	TPH														
MW5CSW	6/24/03	TPH														
MW5CSW	1/9/01	Metals, Dissolved														
MW5CSW	8/14/02	Metals, Dissolved														
MW5CSW	12/10/02	Metals, Dissolved														
MW5CSW	3/14/03	Metals, Dissolved														
MW5CSW	6/24/03	Metals, Dissolved														
MW5CSW	12/4/00	Metals														
MW5CSW	1/8/01	Metals														
MW5CSW	5/7/01	Metals														
MW5CSW	7/19/01	Metals														
MW5CSW	10/22/01	Metals														

Sample ID	Date	Group	Aliphatics nC6 (TX1006)	Aliphatics >nC6 to nC8 (TX1006)	Aliphatics >nC8 to nC10 (TX1006)	Aliphatics >nC10 to nC12 (TX1006)	Aliphatics >nC12 to nC16 (TX1006)	Aliphatics >nC16 to nC21 (TX1006)	Aliphatics >nC21 to nC35 (TX1006)	Aromatics >nC7 to nC8 (TX1006)	Aromatics >nC8 to nC10 (TX1006)	Aromatics >nC10 to nC12 (TX1006)	Aromatics >nC12 to nC16 (TX1006)	Aromatics >nC16 to nC21 (TX1006)	Aromatics >nC21 to nC35 (TX1006)	Total Petroleum Hydrocarbons (TX1006)
MW5CSW	8/14/02	Metals														
MW5CSW	12/10/02	Metals														
MW5CSW	3/14/03	Metals														
MW5CSW	6/24/03	Metals														
MW5CSW DUP	8/14/02	VOCs														
MW5DSW	12/4/00	VOCs														
MW5DSW	1/8/01	VOCs														
MW5DSW	5/7/01	VOCs														
MW5DSW	7/19/01	VOCs														
MW5DSW	10/25/01	VOCs														
MW5DSW	3/11/02	VOCs														
MW5DSW	5/31/02	VOCs														
MW5DSW	8/16/02	VOCs														
MW5DSW	12/11/02	VOCs														
MW5DSW	3/13/03	VOCs														
MW5DSW	6/24/03	VOCs														
MW5DSW	5/7/01	TPH														
MW5DSW	7/19/01	TPH														
MW5DSW	10/25/01	TPH														
MW5DSW	3/11/02	TPH														
MW5DSW	5/31/02	TPH														
MW5DSW	8/16/02	TPH														
MW5DSW	12/11/02	TPH														
MW5DSW	3/13/03	TPH														
MW5DSW	6/24/03	TPH														
MW5DSW	12/4/00	Metals, Dissolved														
MW5DSW	1/9/01	Metals, Dissolved														
MW5DSW	12/11/02	Metals, Dissolved														
MW5DSW	3/13/03	Metals, Dissolved														
MW5DSW	6/24/03	Metals, Dissolved														
MW5DSW	12/4/00	Metals														
MW5DSW	1/8/01	Metals														
MW5DSW	5/7/01	Metals														
MW5DSW	7/19/01	Metals														
MW5DSW	10/25/01	Metals														
MW5DSW	12/11/02	Metals														
MW5DSW	3/13/03	Metals														
MW5DSW	6/24/03	Metals														
MW5DSW DUP	12/11/02	VOCs														
MW5DSW DUP	3/13/03	VOCs														
MW5W	7/28/00	VOCs														
MW5W	1/11/01	VOCs														

Sample ID	Date	Group	Aliphatics nC6 (TX1006)	Aliphatics >nC6 to nC8 (TX1006)	Aliphatics >nC8 to nC10 (TX1006)	Aliphatics >nC10 to nC12 (TX1006)	Aliphatics >nC12 to nC16 (TX1006)	Aliphatics >nC16 to nC21 (TX1006)	Aliphatics >nC21 to nC35 (TX1006)	Aromatics >nC7 to nC8 (TX1006)	Aromatics >nC8 to nC10 (TX1006)	Aromatics >nC10 to nC12 (TX1006)	Aromatics >nC12 to nC16 (TX1006)	Aromatics >nC16 to nC21 (TX1006)	Aromatics >nC21 to nC35 (TX1006)	Total Petroleum Hydrocarbons (TX1006)
MW5W	5/7/01	VOCs														
MW5W	7/24/01	VOCs														
MW5W	7/28/00	TPH														
MW5W	7/28/00	PCB														
MW5W	7/28/00	PAHs														
MW5W	5/7/01	Metals, Dissolved														
MW5W	7/28/00	Metals														
MW5W	1/11/01	Metals														
MW5W	5/7/01	Metals														
MW5W	7/24/01	Metals														
MW5W	7/28/00	Cyanide														
MW5W DUP	1/11/01	VOCs														
MW5W DUP	1/11/01	Metals														
MW8ADW	09/28/00	VOCs														
MW8ADW	01/12/01	VOCs														
MW8ADW	05/08/01	VOCs														
MW8ADW	07/19/01	VOCs														
MW8ADW	10/22/01	VOCs														
MW8ADW	03/07/02	VOCs														
MW8ADW	06/04/02	VOCs														
MW8ADW	08/14/02	VOCs														
MW8ADW	12/10/02	VOCs														
MW8ADW	03/14/03	VOCs														
MW8ADW	06/24/03	VOCs														
MW8ADW	09/28/00	Metals, Dissolved														
MW8ADW	01/12/01	Metals, Dissolved														
MW8ADW	09/28/00	Metals														
MW8ADW	01/12/01	Metals														
MW8ADW	05/08/01	Metals														
MW8ADW	07/19/01	Metals														
MW8ADW	10/22/01	Metals														
MW8ADW DUP	06/04/02	VOCs														
MW8ADW DUP	08/14/02	VOCs														
MW8ASW	09/26/00	VOCs														
MW8ASW	01/09/01	VOCs														
MW8ASW	05/08/01	VOCs														
MW8ASW	07/19/01	VOCs														
MW8ASW	10/22/01	VOCs														
MW8ASW	03/07/02	VOCs														
MW8ASW	05/31/02	VOCs														
MW8ASW	08/14/02	VOCs														
MW8ASW	12/06/02	VOCs														

App[illegible]G-2C
Groundwater Data for Sub-area 6C: GKN Facility
Boeing Tract 1, St. Louis, Missouri

Sample ID	Date	Group	Aliphatics nC6 (TX1006)	Aliphatics >nC6 to nC8 (TX1006)	Aliphatics >nC8 to nC10 (TX1006)	Aliphatics >nC10 to nC12 (TX1006)	Aliphatics >nC12 to nC16 (TX1006)	Aliphatics >nC16 to nC21 (TX1006)	Aliphatics >nC21 to nC35 (TX1006)	Aromatics >nC7 to nC8 (TX1006)	Aromatics >nC8 to nC10 (TX1006)	Aromatics >nC10 to nC12 (TX1006)	Aromatics >nC12 to nC16 (TX1006)	Aromatics >nC16 to nC21 (TX1006)	Aromatics >nC21 to nC35 (TX1006)	Total Petroleum Hydrocarbons (TX1006)
MW8ASW	03/14/03	VOCs														
MW8ASW	06/20/03	VOCs														
MW8ASW	09/26/00	Metals														
MW8ASW	01/09/01	Metals														
MW8ASW	05/08/01	Metals														
MW8ASW	07/19/01	Metals														
MW8ASW	10/22/01	Metals														
MW8W	07/27/00	VOCs														
MW8W	01/09/01	VOCs														
MW8W	05/08/01	VOCs														
MW8W	07/19/01	VOCs														
MW8W	10/22/01	VOCs														
MW8W	03/07/02	VOCs														
MW8W	05/31/02	VOCs														
MW8W	08/21/02	VOCs														
MW8W	12/06/02	VOCs														
MW8W	03/14/03	VOCs														
MW8W	06/20/03	VOCs														
MW8W	07/27/00	TPH														
MW8W	07/27/00	PCB														
MW8W	07/27/00	PAHs														
MW8W	07/27/00	Metals														
MW8W	01/09/01	Metals														
MW8W	05/08/01	Metals														
MW8W	07/19/01	Metals														
MW8W	10/22/01	Metals														
MW8W	07/27/00	Cyanide														

Notes:
All concentrations in ug/L (micrograms per liter)
< Less than detection limit shown
Blanks: Not analyzed
VOC: Volatile organic carbon
TPH: Total petroleum hydrocarbon
PAH: Polynuclear aromatic hydrocarbon
PCB: Polychlorinated byphenol
Lab qualifiers in Section 1.0

Appendix G-1D
Soil Data for Sub-area 6D: GKN Facility
Boeing Tract 1, St. Louis, Missouri

Group		VOCs	VOCs	TPH	Metals	Metals	Metals	Metals	Metals	Metals
Sample ID	Depth (ft bgs)	Dichloro difluoro methane	Methyl ethyl ketone (MEK)	Gasoline (C6-C14)	Arsenic	Barium	Cadmium	Chromium	Lead	Mercury
B27E12-7	7	8.4		< 5000						
B27E13-8	8	< 5	< 250	< 5000						
B27E14-6	6	< 5	< 250	< 5000						
B27E16-7	7	< 1		12000						
B27E16-7 DUP	7	< 1								
MW-6-13	12		J 12		17700	195000	B 120	15000	8400	B 21
MW-6-2	2									
MW6D-12	12		< 25		9000	143000	760	14300	27700	< 130
MW6D-28	28									
MW6D-33	33									
MW6D-45	45									
MW6D-50	50									
MW6D-55	55									
SEWER-5	5				5800	174000	< 610	11000	14400	< 120
SEWER-8	8				4500	123000	740	21000	10200	< 130

Notes:

All concentrations in ug/kg (micrograms per kilogram)

< Less than detection limit shown

Blanks: Not analyzed

NA: Not available

ND: Not detected

ft bgs: Feet below ground surface

VOC: Volatile organic carbon

TPH: Total petroleum hydrocarbon

PAH: Polynuclear aromatic hydrocarbon

Lab qualifiers in Section 1.0

Appe[illegible]D
Groundwater Data for Sub-area 6D: GKN Facility
Boeing Tract 1, St. Louis, Missouri

Sample ID	Date	Group	1,1-Dichloro ethene	Arsenic	Barium	Barium, Dissolved	Benzene	Cadmium	Chromium	Chromium, Dissolved	cis-1,2-Dichloro ethene	Lead	Mercury	Methylene chloride	Tetrachloro ethene	Toluene	Trichloro ethene
B27E12W	7/2/03	VOCs	< 5				< 5				< 5			< 5	24.5	< 5	< 5
B27E12W	7/2/03	TPH															
B27E13W	7/25/03	VOCs	< 1				< 5				< 1			< 5	< 1	< 5	< 1
B27E13W	7/25/03	TPH															
B27E14W	7/25/03	VOCs	< 1				< 5				< 1			< 5	< 1	< 5	< 1
B27E14W	7/25/03	TPH															
B27E16W	7/2/03	VOCs	< 1				< 5				< 1			< 1	1.3	< 5	3.2
B27E16W	7/2/03	TPH															
B27E16W Dup	7/2/03	VOCs	< 1				< 1				< 1			< 1	1.2	< 1	3
MW6DW	9/27/00	VOCs	< 5				< 5				< 2.5			< 5	< 5	< 5	< 5
MW6DW	1/11/01	VOCs	< 5				< 5				< 5			< 5	< 5	< 5	< 5
MW6DW	5/8/01	VOCs	< 1				< 1				< 1			< 5	< 1	1	< 1
MW6DW	7/18/01	VOCs	< 1				1.6				< 1			< 5	< 1	< 5	< 1
MW6DW	10/25/01	VOCs	< 1				< 1				< 1			< 5	< 1	< 5	< 1
MW6DW	3/6/02	VOCs	< 1				< 1				< 1			< 5	< 1	< 5	< 1
MW6DW	5/29/02	VOCs	< 1				< 1				< 1			< 5	< 1	< 5	< 1
MW6DW	8/14/02	VOCs	< 1				< 1				< 1			< 5	< 1	< 5	< 1
MW6DW	12/6/02	VOCs	< 1				< 1				< 1			< 5	< 1	< 5	< 1
MW6DW	3/13/03	VOCs	< 1				< 1				< 1			< 5	< 1	< 5	< 1
MW6DW	6/23/03	VOCs	< 1				< 1				< 1			< 5	< 1	< 5	< 1
MW6DW	9/27/00	Metals, Dissolved				830				10.3							
MW6DW	1/11/01	Metals, Dissolved				696				< 10							
MW6DW	05/08/01	Metals, Dissolved				780				2.8							
MW6DW	10/25/01	Metals, Dissolved				780				< 2							
MW6DW	09/27/00	Metals		56.9	2340			< 5000	274			88.3	0.27				
MW6DW	01/11/01	Metals		< 50	811			< 10	18			< 50	< 0.2				
MW6DW	05/08/01	Metals		< 5	780			< 2	3.5			< 5	< 0.2				
MW6DW	07/18/01	Metals		< 5	820			< 2	7			9.9	< 0.2				
MW6DW	10/25/01	Metals		< 5	820			< 2	5.3			10	< 0.2				
MW6DW DUP	05/08/01	VOCs	< 1				< 1				< 1			< 5	< 1	< 1	< 1
MW6DW DUP	06/23/03	VOCs	< 1				< 1				< 1			< 5	< 1	< 5	< 1
MW6DW DUP	05/08/01	Metals, Dissolved				790				3							
MW6DW DUP	05/08/01	Metals		8.2	860			< 2	11			11	< 0.2				
MW6W	07/27/00	VOCs	J 0.35				< 1							< 1	7.7	< 1	3.9
MW6W	01/09/01	VOCs	< 5				< 5				< 5			< 5	8	< 5	< 5
MW6W	05/08/01	VOCs	< 1				< 1				< 1			< 5	11	2	3.3
MW6W	07/19/01	VOCs	< 1				< 1				< 1			< 5	8.2	< 5	2.9
MW6W	10/25/01	VOCs	< 1				< 1				< 1			< 5	HJ3 10	< 5	H 3.6
MW6W	03/06/02	VOCs	< 1				< 1				1.5			< 5	9.3	< 5	4.1

Appe[illegible]2D
Groundwater Data for Sub-area 6D: GKN Facility
Boeing Tract 1, St. Louis, Missouri

Sample ID	Date	Group	1,1-Dichloro ethene	Arsenic	Barium	Barium, Dissolved	Benzene	Cadmium	Chromium	Chromium, Dissolved	cis-1,2-Dichloro ethene	Lead	Mercury	Methylene chloride	Tetrachloro ethene	Toluene	Trichloro ethene
MW6W	05/31/02	VOCs	< 1				< 1				< 1			< 5	H 7.9	< 5	H 2.2
MW6W	08/14/02	VOCs	< 1				< 1				< 1			< 5	8.4	< 5	2.4
MW6W	12/06/02	VOCs	< 1				< 1				< 1			< 5	11	< 5	3.6
MW6W	03/13/03	VOCs	< 1				< 1				< 1			< 5	7.4	< 5	2.5
MW6W	06/20/03	VOCs	< 1				< 1				< 1			< 5	J4 12	< 5	J4 2.4
MW6W	07/27/00	TPH															
MW6W	07/27/00	PCB															
MW6W	07/27/00	PAHs															
MW6W	07/27/00	Metals		17.3	929			< 5	146			39.2	B 0.13				
MW6W	01/09/01	Metals		< 50	820			< 10	170			< 50	< 0.2				
MW6W	05/08/01	Metals		17	680			4.3	50			31	< 0.2				
MW6W	07/19/01	Metals		< 5	320			< 2	4.2			< 5	< 0.2				
MW6W	10/25/01	Metals		< 5	380			< 2	18			11	< 0.2				
MW6W	07/27/00	Cyanide															
SEWERW	12/07/00	Metals		< 10	886			< 5000	< 10			10.8	< 0.2	11			

Notes:
All concentrations in ug/L (micrograms per liter)
< Less than detection limit shown
Blanks: Not analyzed
VOC: Volatile organic carbon
TPH: Total petroleum hydrocarbon
PAH: Polynuclear aromatic hydrocarbon
PCB: Polychlorinated byphenol
Lab qualifiers in Section 1.0

APPENDIX H

AREA 7: ENGINEERING CAMPUS

BOEING TRACT 1, ST. LOUIS, MISSOURI

Table H-1. Comprehensive Analytical Soil Data (2 Pages)

Table H-2. Comprehensive Analytical Groundwater Data (12 Pages)

Table H-3. Range of Detection Limits for Constituents in Groundwater with No Detections (3 Pages)

TABLE H-1
COMPREHENSIVE ANALYTICAL SOIL DATA FOR AREA 7: ENGINEERING CAMPUS
BOEING TRACT 1, ST. LOUIS, MISSOURI

GROUP	BoeingParmName	MW-2-7
VOCs	1,1,1-TRICHLOROETHANE	< 6.5
VOCs	1,1,2,2-TETRACHLOROETHANE	< 6.5
VOCs	1,1,2-TRICHLOROETHANE	< 6.5
VOCs	1,1-DICHLOROETHANE	< 6.5
VOCs	1,1-DICHLOROETHENE	< 6.5
VOCs	1,2-DICHLOROETHANE	< 6.5
VOCs	1,2-DICHLOROETHENE (TOTAL)	< 6.5
VOCs	1,2-DICHLOROPROPANE	< 6.5
VOCs	2-HEXANONE (MBK)	< 26
VOCs	ACETONE	< 26
VOCs	BENZENE	< 6.5
VOCs	BROMODICHLOROMETHANE	< 6.5
VOCs	BROMOFORM	< 6.5
VOCs	BROMOMETHANE	< 13
VOCs	CARBON DISULFIDE	< 6.5
VOCs	CARBON TETRACHLORIDE	< 6.5
VOCs	CHLOROBENZENE	< 6.5
VOCs	CHLOROETHANE	< 13
VOCs	CHLOROFORM	< 6.5
VOCs	CHLOROMETHANE	< 13
VOCs	CIS-1,3-DICHLOROPROPENE	< 6.5
VOCs	DIBROMOCHLOROMETHANE	< 6.5
VOCs	ETHYLBENZENE	< 6.5
VOCs	METHYL ETHYL KETONE (MEK)	J 8.9
VOCs	METHYL ISOBUTYL KETONE	< 26
VOCs	METHYLENE CHLORIDE	< 6.5
VOCs	NAPHTHALENE	< 39
VOCs	STYRENE	< 6.5
VOCs	TETRACHLOROETHENE	< 6.5
VOCs	TOLUENE	< 6.5
VOCs	TRANS-1,3-DICHLOROPROPENE	< 6.5
VOCs	TRICHLOROETHENE	< 6.5
VOCs	VINYL CHLORIDE	< 6.5
VOCs	XYLENES, TOTAL	< 6.5
TPH	TPH AS DIESEL	< 32000
TPH	VOLATILE PETROLEUM HYDROCARBONS	< 130
PCB	AROCLOR 1016	< 43
PCB	AROCLOR 1221	< 43
PCB	AROCLOR 1232	< 43
PCB	AROCLOR 1242	< 43
PCB	AROCLOR 1248	< 43
PCB	AROCLOR 1254	< 43
PCB	AROCLOR 1260	< 43
PAHs	ACENAPHTHENE	< 39
PAHs	ACENAPHTHYLENE	< 39
PAHs	ANTHRACENE	< 39
PAHs	BENZO(A)ANTHRACENE	< 19

TABLE H-1
COMPREHENSIVE ANALYTICAL SOIL DATA FOR AREA 7: ENGINEERING CAMPUS
BOEING TRACT 1, ST. LOUIS, MISSOURI

GROUP	BoeingParmName	MW-2-7
PAHs	BENZO(A)PYRENE	< 19
PAHs	BENZO(B)FLUORANTHENE	< 19
PAHs	BENZO(GHI)PERYLENE	< 39
PAHs	BENZO(K)FLUORANTHENE	< 19
PAHs	CHRYSENE	< 19
PAHs	DIBENZO(A,H)ANTHRACENE	< 39
PAHs	FLUORANTHENE	< 39
PAHs	FLUORENE	< 39
PAHs	INDENO(1,2,3-CD)PYRENE	< 19
PAHs	PHENANTHRENE	< 39
PAHs	PYRENE	< 39
Cyanide	CYANIDE, TOTAL	< 650
Cyanide	REACTIVE CYANIDE	< 65
	PERCENT MOISTURE (GRAVIMETRIC)	22.5

Note:
All concentrations in ug/kg

TAB[illegible]-2
COMPREHENSIVE ANALYTICAL GROUNDWATER DATA, AREA 7: ENGINEERING CAMPUS
BOEING TRACT 1, ST. LOUIS, MISSOURI

SAMP_ID	COLL_DATE	GROUP	1,1,1,2-TETRACHLOROETHANE	1,1,1-TRICHLOROETHANE	1,1,2,2-TETRACHLOROETHANE	1,1,2-TRICHLORO 1,2,2-TRIFLUOROETHANE	1,1,2-TRICHLOROETHANE	1,1-DICHLOROETHANE	1,1-DICHLOROETHENE	1,1-DICHLOROPROPENE	1,2,3-TRICHLOROBENZENE	1,2,3-TRICHLOROPROPANE
MW2W	27-Jul-00	Cyanide										
MW2W	27-Jul-00	Metals										
MW2W	27-Jul-00	PAHs										
MW2W	27-Jul-00	PCB										
MW2W	27-Jul-00	TPH										
MW2W	27-Jul-00	VOCs		< 1	< 1		< 1	< 1	< 1			
MW2W	09-Jan-01	Metals										
MW2W	09-Jan-01	VOCs	< 5	< 5	< 5		< 5	< 5	< 5	< 5	< 5	< 5
MW2W	08-May-01	Metals										
MW2W	08-May-01	Metals, Dissolved										
MW2W	08-May-01	VOCs	< 1	< 1	< 1		< 1	< 1	< 1	< 1	< 1	< 1
MW2W	18-Jul-01	Metals										
MW2W	18-Jul-01	Metals, Dissolved										
MW2W	18-Jul-01	VOCs	< 1	< 1	< 1		< 1	< 1	< 1	< 1	< 1	< 1
MW2W	29-Oct-01	Metals										
MW2W	29-Oct-01	Metals, Dissolved										
MW2W	29-Oct-01	VOCs	< 1	< 1	< 1		< 1	< 1	< 1	< 1	< 1	< 1
MW2W	11-Mar-02	VOCs	< 1	< 1	< 1		< 1	< 1	< 1	< 1	< 1	< 1
MW2W	31-May-02	VOCs	< 1	< 1	< 1		< 1	< 1	< 1	< 1	< 1	< 1
MW2W	20-Jun-03	VOCs	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1

Notes:
All concentrations in ug/L
See Section 1 for definition of laboratory qualifier.

TAB[illegible]I-2
COMPREHENSIVE ANALYTICAL GROUNDWATER DATA, AREA 7: ENGINEERING CAMPUS
BOEING TRACT 1, ST. LOUIS, MISSOURI

SAMP_ID	COLL_DATE	GROUP	1,2,3-TRIMETHYLBENZENE	1,2,4-TRICHLOROBENZENE	1,2,4-TRIMETHYLBENZENE	1,2-DIBROMO-3-CHLOROPROPANE	1,2-DIBROMOETHANE	1,2-DICHLOROBENZENE	1,2-DICHLOROETHANE	1,2-DICHLOROETHENE (TOTAL)	1,2-DICHLOROPROPANE	1,3,5-TRIMETHYLBENZENE
MW2W	27-Jul-00	Cyanide										
MW2W	27-Jul-00	Metals										
MW2W	27-Jul-00	PAHs										
MW2W	27-Jul-00	PCB										
MW2W	27-Jul-00	TPH										
MW2W	27-Jul-00	VOCs							< 1	J 0.66	< 1	
MW2W	09-Jan-01	Metals										
MW2W	09-Jan-01	VOCs		< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
MW2W	08-May-01	Metals										
MW2W	08-May-01	Metals, Dissolved										
MW2W	08-May-01	VOCs		< 1	< 1	< 2	< 1	< 1	< 1		< 1	< 1
MW2W	18-Jul-01	Metals										
MW2W	18-Jul-01	Metals, Dissolved										
MW2W	18-Jul-01	VOCs		< 1	< 1	< 2	< 1	< 1	< 1		< 1	< 1
MW2W	29-Oct-01	Metals										
MW2W	29-Oct-01	Metals, Dissolved										
MW2W	29-Oct-01	VOCs		< 1	< 1	< 2	< 1	< 1	< 1		< 1	< 1
MW2W	11-Mar-02	VOCs		< 1	< 1	< 2	< 1	< 1	< 1		< 1	< 1
MW2W	31-May-02	VOCs		< 1	< 1	< 2	< 1	< 1	< 1		< 1	< 1
MW2W	20-Jun-03	VOCs	< 1	< 1	< 1	< 2	< 1	< 1	< 1		< 1	< 1

Notes:
All concentrations in ug/L
See Section 1 for definition of laboratory qualifier.

TABLE VI-2
COMPREHENSIVE ANALYTICAL GROUNDWATER DATA, AREA 7: ENGINEERING CAMPUS
BOEING TRACT 1, ST. LOUIS, MISSOURI

SAMP_ID	COLL_DATE	GROUP	1,3-DICHLOROBENZENE	1,3-DICHLOROPROPANE	1,4-DICHLOROBENZENE	2,2-DICHLOROPROPANE	2-CHLOROETHYL VINYL ETHER	2-CHLOROTOLUENE	2-HEXANONE (MBK)	4-CHLOROTOLUENE	4-ISOPROPYL TOLUENE	ACENAPHTHENE
MW2W	27-Jul-00	Cyanide										
MW2W	27-Jul-00	Metals										
MW2W	27-Jul-00	PAHs										< 5
MW2W	27-Jul-00	PCB										
MW2W	27-Jul-00	TPH										
MW2W	27-Jul-00	VOCs							< 5			
MW2W	09-Jan-01	Metals										
MW2W	09-Jan-01	VOCs	< 5	< 5	< 5	< 5		< 5	< 10	< 5	< 5	
MW2W	08-May-01	Metals										
MW2W	08-May-01	Metals, Dissolved										
MW2W	08-May-01	VOCs	< 1	< 1	< 1	< 1	< 50	< 1		< 1		
MW2W	18-Jul-01	Metals										
MW2W	18-Jul-01	Metals, Dissolved										
MW2W	18-Jul-01	VOCs	< 1	< 1	< 1	< 1	< 50	< 1		< 1		
MW2W	29-Oct-01	Metals										
MW2W	29-Oct-01	Metals, Dissolved										
MW2W	29-Oct-01	VOCs	< 1	< 1	< 1	< 1	< 50	< 1		< 1		
MW2W	11-Mar-02	VOCs	< 1	< 1	< 1	< 1	< 50	< 1		< 1		
MW2W	31-May-02	VOCs	< 1	< 1	< 1	< 1	< 50	< 1		< 1		
MW2W	20-Jun-03	VOCs	< 1	< 1	< 1	< 1	< 50	< 1		< 1		

Notes:
All concentrations in ug/L
See Section 1 for definition of laboratory qualifier.

TAB[illegible]-2
COMPREHENSIVE ANALYTICAL GROUNDWATER DATA, AREA 7: ENGINEERING CAMPUS
BOEING TRACT 1, ST. LOUIS, MISSOURI

SAMP_ID	COLL_DATE	GROUP	ACENAPHTHYLENE	ACETONE	ACROLEIN	ACRYLONITRILE	ANTHRACENE	AROCLOR 1016	AROCLOR 1221	AROCLOR 1232	AROCLOR 1242	AROCLOR 1248
MW2W	27-Jul-00	Cyanide										
MW2W	27-Jul-00	Metals										
MW2W	27-Jul-00	PAHs	< 5				< 5					
MW2W	27-Jul-00	PCB						< 1.1	< 1.1	< 1.1	< 1.1	< 1.1
MW2W	27-Jul-00	TPH										
MW2W	27-Jul-00	VOCs		< 10								
MW2W	09-Jan-01	Metals										
MW2W	09-Jan-01	VOCs		< 10								
MW2W	08-May-01	Metals										
MW2W	08-May-01	Metals, Dissolved										
MW2W	08-May-01	VOCs		< 50	< 50	< 50						
MW2W	18-Jul-01	Metals										
MW2W	18-Jul-01	Metals, Dissolved										
MW2W	18-Jul-01	VOCs		< 50	< 50	< 50						
MW2W	29-Oct-01	Metals										
MW2W	29-Oct-01	Metals, Dissolved										
MW2W	29-Oct-01	VOCs		< 50	< 50	< 50						
MW2W	11-Mar-02	VOCs		< 50	< 50	< 50						
MW2W	31-May-02	VOCs		< 50	< 50	< 50						
MW2W	20-Jun-03	VOCs		< 50	< 50	< 50						

Notes:
All concentrations in ug/L
See Section 1 for definition of laboratory qualifier.

TAB[illegible]-2
COMPREHENSIVE ANALYTICAL GROUNDWATER DATA, AREA 7: ENGINEERING CAMPUS
BOEING TRACT 1, ST. LOUIS, MISSOURI

SAMP_ID	COLL_DATE	GROUP	AROCLOR 1254	AROCLOR 1260	ARSENIC	ARSENIC, DISSOLVED	BARIUM	BARIUM, DISSOLVED	BENZENE	BENZO(A)ANTHRACENE	BENZO(A)PYRENE	BENZO(B)FLUORANTHENE
MW2W	27-Jul-00	Cyanide										
MW2W	27-Jul-00	Metals			16.8		664					
MW2W	27-Jul-00	PAHs								< 5	< 5	< 5
MW2W	27-Jul-00	PCB	< 1.1	< 1.1								
MW2W	27-Jul-00	TPH										
MW2W	27-Jul-00	VOCs							< 1			
MW2W	09-Jan-01	Metals			< 50		320					
MW2W	09-Jan-01	VOCs							< 5			
MW2W	08-May-01	Metals			15		380					
MW2W	08-May-01	Metals, Dissolved				9.9		220				
MW2W	08-May-01	VOCs							< 1			
MW2W	18-Jul-01	Metals			< 5		300					
MW2W	18-Jul-01	Metals, Dissolved				5		270				
MW2W	18-Jul-01	VOCs							< 1			
MW2W	29-Oct-01	Metals			5.7		J4 420					
MW2W	29-Oct-01	Metals, Dissolved				< 5		270				
MW2W	29-Oct-01	VOCs							< 1			
MW2W	11-Mar-02	VOCs							< 1			
MW2W	31-May-02	VOCs							< 1			
MW2W	20-Jun-03	VOCs							3.5			

Notes:
All concentrations in ug/L
See Section 1 for definition of laboratory qualifier.

TABLE 2
COMPREHENSIVE ANALYTICAL GROUNDWATER DATA, AREA 7: ENGINEERING CAMPUS
BOEING TRACT 1, ST. LOUIS, MISSOURI

SAMP_ID	COLL_DATE	GROUP	BENZO(GHI) PERYLENE	BENZO(K)FLUORANTHENE	BROMOBENZENE	BROMOCHLOROMETHANE	BROMODICHLOROMETHANE	BROMOFORM	BROMOMETHANE	CADMIUM	CADMIUM, DISSOLVED	CARBON DISULFIDE
MW2W	27-Jul-00	Cyanide										
MW2W	27-Jul-00	Metals								< 5		
MW2W	27-Jul-00	PAHs	< 5	< 5								
MW2W	27-Jul-00	PCB										
MW2W	27-Jul-00	TPH										
MW2W	27-Jul-00	VOCs					< 1	< 1	< 2			< 1
MW2W	09-Jan-01	Metals								< 10		
MW2W	09-Jan-01	VOCs			< 5	< 5	< 5	< 5	< 10			< 5
MW2W	08-May-01	Metals								< 2		
MW2W	08-May-01	Metals, Dissolved									< 2	
MW2W	08-May-01	VOCs			< 1		< 1	< 1	< 1			
MW2W	18-Jul-01	Metals								< 2		
MW2W	18-Jul-01	Metals, Dissolved									< 2	
MW2W	18-Jul-01	VOCs			< 1		< 1	< 1	< 1			
MW2W	29-Oct-01	Metals								< 2		
MW2W	29-Oct-01	Metals, Dissolved									< 2	
MW2W	29-Oct-01	VOCs			< 1		< 1	< 1	< 1			
MW2W	11-Mar-02	VOCs			< 1		< 1	< 1	< 1			
MW2W	31-May-02	VOCs			< 1		< 1	< 1	< 1			
MW2W	20-Jun-03	VOCs			< 1		< 1	< 1	< 1			

Notes:
All concentrations in ug/L
See Section 1 for definition of laboratory qualifier.

TAB[illegible]-2
COMPREHENSIVE ANALYTICAL GROUNDWATER DATA, AREA 7: ENGINEERING CAMPUS
BOEING TRACT 1, ST. LOUIS, MISSOURI

SAMP_ID	COLL_DATE	GROUP	CARBON TETRACHLORIDE	CHLOROBENZENE	CHLORODIBROMOMETHANE	CHLOROETHANE	CHLOROFORM	CHLOROMETHANE	CHROMIUM	CHROMIUM, DISSOLVED	CHRYSENE	CIS-1,2-DICHLOROETHENE
MW2W	27-Jul-00	Cyanide										
MW2W	27-Jul-00	Metals							140			
MW2W	27-Jul-00	PAHs									< 5	
MW2W	27-Jul-00	PCB										
MW2W	27-Jul-00	TPH										
MW2W	27-Jul-00	VOCs	< 1	< 1		< 2	J 0.34	< 2				
MW2W	09-Jan-01	Metals							29			
MW2W	09-Jan-01	VOCs	< 5	< 5		< 10	< 5	< 10				< 5
MW2W	08-May-01	Metals							29			
MW2W	08-May-01	Metals, Dissolved								4.4		
MW2W	08-May-01	VOCs	< 1	< 1	< 1	< 1	< 5	< 1				1.4
MW2W	18-Jul-01	Metals							< 2			
MW2W	18-Jul-01	Metals, Dissolved								< 2		
MW2W	18-Jul-01	VOCs	< 1	< 1	< 1	< 1	< 5	< 1				2
MW2W	29-Oct-01	Metals							J4 9			
MW2W	29-Oct-01	Metals, Dissolved								< 2		
MW2W	29-Oct-01	VOCs	< 1	< 1	< 1	< 1	< 5	< 1				1.5
MW2W	11-Mar-02	VOCs	< 1	< 1	< 1	< 1	< 5	< 1				1.5
MW2W	31-May-02	VOCs	< 1	< 1	< 1	< 1	< 5	< 1				H 1.1
MW2W	20-Jun-03	VOCs	< 1	< 1	< 1	< 1	< 5	< 1				1.4

Notes:
All concentrations in ug/L
See Section 1 for definition of laboratory qualifier.

TABLE H-2
COMPREHENSIVE ANALYTICAL GROUNDWATER DATA, AREA 7: ENGINEERING CAMPUS
BOEING TRACT 1, ST. LOUIS, MISSOURI

SAMP_ID	COLL_DATE	GROUP	CIS-1,3-DICHLOROPROPENE	CYANIDE, TOTAL	DIBENZO(A,H)ANTHRACENE	DIBROMOCHLOROMETHANE	DIBROMOMETHANE	DICHLORODIFLUOROMETHANE	DI-ISOPROPYL ETHER	ETHYLBENZENE	FLUORANTHENE	FLUORENE
MW2W	27-Jul-00	Cyanide		< 5								
MW2W	27-Jul-00	Metals										
MW2W	27-Jul-00	PAHs			< 5						< 5	< 5
MW2W	27-Jul-00	PCB										
MW2W	27-Jul-00	TPH										
MW2W	27-Jul-00	VOCs	< 1			< 1				< 1		
MW2W	09-Jan-01	Metals										
MW2W	09-Jan-01	VOCs	< 5			< 5	< 5	< 10		< 5		
MW2W	08-May-01	Metals										
MW2W	08-May-01	Metals, Dissolved										
MW2W	08-May-01	VOCs	< 1				< 1	< 1	< 1	< 1		
MW2W	18-Jul-01	Metals										
MW2W	18-Jul-01	Metals, Dissolved										
MW2W	18-Jul-01	VOCs	< 1				< 1	< 1	< 1	< 2		
MW2W	29-Oct-01	Metals										
MW2W	29-Oct-01	Metals, Dissolved										
MW2W	29-Oct-01	VOCs	< 1				< 1	< 1	< 1	< 1		
MW2W	11-Mar-02	VOCs	< 1				< 1	< 1	< 1	< 1		
MW2W	31-May-02	VOCs	< 1				< 1	< 1	< 1	< 1		
MW2W	20-Jun-03	VOCs	< 1				< 1	< 1	< 1	< 1		

Notes:
All concentrations in ug/L
See Section 1 for definition of laboratory qualifier.

TAB[illegible]-2
COMPREHENSIVE ANALYTICAL GROUNDWATER DATA, AREA 7: ENGINEERING CAMPUS
BOEING TRACT 1, ST. LOUIS, MISSOURI

SAMP_ID	COLL_DATE	GROUP	HEXACHLOROBUTADIENE	INDENO(1,2,3-CD)PYRENE	IODOMETHANE	ISOPROPYLBENZENE	LEAD	LEAD, DISSOLVED	M,P-XYLENE	MERCURY	MERCURY, DISSOLVED	METHYL ETHYL KETONE (MEK)
MW2W	27-Jul-00	Cyanide										
MW2W	27-Jul-00	Metals					27.5			B 0.083		
MW2W	27-Jul-00	PAHs		< 5								
MW2W	27-Jul-00	PCB										
MW2W	27-Jul-00	TPH										
MW2W	27-Jul-00	VOCs										< 5
MW2W	09-Jan-01	Metals					< 50			< 0.2		
MW2W	09-Jan-01	VOCs	< 5		< 10	< 5			< 5			< 10
MW2W	08-May-01	Metals					7			< 0.2		
MW2W	08-May-01	Metals, Dissolved						< 5			< 0.2	
MW2W	08-May-01	VOCs				< 1						< 50
MW2W	18-Jul-01	Metals					< 5			< 0.2		
MW2W	18-Jul-01	Metals, Dissolved						< 5			< 0.2	
MW2W	18-Jul-01	VOCs	< 1			< 1						< 50
MW2W	29-Oct-01	Metals					< 5			< 0.2		
MW2W	29-Oct-01	Metals, Dissolved						< 5			< 0.2	
MW2W	29-Oct-01	VOCs	< 1			< 1						< 50
MW2W	11-Mar-02	VOCs	< 1			< 1						< 50
MW2W	31-May-02	VOCs	< 1			< 1						< 50
MW2W	20-Jun-03	VOCs	< 1			< 1						< 50

Notes:
All concentrations in ug/L
See Section 1 for definition of laboratory qualifier.

TAB[illegible]-2
COMPREHENSIVE ANALYTICAL GROUNDWATER DATA, AREA 7: ENGINEERING CAMPUS
BOEING TRACT 1, ST. LOUIS, MISSOURI

SAMP_ID	COLL_DATE	GROUP	METHYL ISOBUTYL KETONE	METHYL TERT-BUTYL ETHER	METHYLENE CHLORIDE	NAPHTHALENE	N-BUTYLBENZENE	N-PROPYLBENZENE	O-XYLENE	PHENANTHRENE	P-ISOPROPYL TOLUENE	PYRENE
MW2W	27-Jul-00	Cyanide										
MW2W	27-Jul-00	Metals										
MW2W	27-Jul-00	PAHs								< 5		< 5
MW2W	27-Jul-00	PCB										
MW2W	27-Jul-00	TPH										
MW2W	27-Jul-00	VOCs	< 5		< 1	< 5						
MW2W	09-Jan-01	Metals										
MW2W	09-Jan-01	VOCs	< 10	< 10	< 5	< 5	< 5	< 5	< 5			
MW2W	08-May-01	Metals										
MW2W	08-May-01	Metals, Dissolved										
MW2W	08-May-01	VOCs	< 50	< 1	< 5	< 1	< 1	< 1			< 1	
MW2W	18-Jul-01	Metals										
MW2W	18-Jul-01	Metals, Dissolved										
MW2W	18-Jul-01	VOCs	< 50	< 1	< 5	< 2	< 1	< 1			< 1	
MW2W	29-Oct-01	Metals										
MW2W	29-Oct-01	Metals, Dissolved										
MW2W	29-Oct-01	VOCs	< 50	< 1	< 5	< 3	< 1	< 1			< 1	
MW2W	11-Mar-02	VOCs	< 50	< 1	< 5	< 5	< 1	< 1			< 1	
MW2W	31-May-02	VOCs	< 50	< 1	< 5	< 5	< 1	< 1			< 1	
MW2W	20-Jun-03	VOCs	< 50	< 1	< 5	< 5	< 1	< 1			< 1	

Notes:
All concentrations in ug/L
See Section 1 for definition of laboratory qualifier.

TAB[illegible]-2
COMPREHENSIVE ANALYTICAL GROUNDWATER DATA, AREA 7: ENGINEERING CAMPUS
BOEING TRACT 1, ST. LOUIS, MISSOURI

SAMP_ID	COLL_DATE	GROUP	SEC-BUTYLBENZENE	SELENIUM	SILVER	STYRENE	TERT-BUTYLBENZENE	TETRACHLOROETHENE	TOLUENE	TPH AS DIESEL	TRANS-1,2-DICHLOROETHENE	TRANS-1,3-DICHLOROPROPENE
MW2W	27-Jul-00	Cyanide										
MW2W	27-Jul-00	Metals		5	< 10							
MW2W	27-Jul-00	PAHs										
MW2W	27-Jul-00	PCB										
MW2W	27-Jul-00	TPH								< 500		
MW2W	27-Jul-00	VOCs				< 1		< 1	< 1			< 1
MW2W	09-Jan-01	Metals		< 100	< 20							
MW2W	09-Jan-01	VOCs	< 5			< 5	< 5	< 5	< 5		< 5	< 5
MW2W	08-May-01	Metals										
MW2W	08-May-01	Metals, Dissolved										
MW2W	08-May-01	VOCs	< 1			< 1	< 1	< 1	1		< 1	< 1
MW2W	18-Jul-01	Metals										
MW2W	18-Jul-01	Metals, Dissolved										
MW2W	18-Jul-01	VOCs	< 1			< 1	< 1	< 1	< 5		< 1	< 1
MW2W	29-Oct-01	Metals										
MW2W	29-Oct-01	Metals, Dissolved										
MW2W	29-Oct-01	VOCs	< 1			< 1	< 1	< 1	< 5		< 1	< 1
MW2W	11-Mar-02	VOCs	< 1			< 1	< 1	< 1	< 5		< 1	< 1
MW2W	31-May-02	VOCs	< 1			< 1	< 1	< 1	< 5		< 1	< 1
MW2W	20-Jun-03	VOCs	< 1			< 1	< 1	< 1	< 5		< 1	< 1

Notes:
All concentrations in ug/L
See Section 1 for definition of laboratory qualifier.

TAB[illegible]-2

COMPREHENSIVE ANALYTICAL GROUNDWATER DATA, AREA 7: ENGINEERING CAMPUS
BOEING TRACT 1, ST. LOUIS, MISSOURI

SAMP_ID	COLL_DATE	GROUP	TRICHLORO ETHENE	TRICHLORO FLUOROME THANE	VINYL ACETATE	VINYL CHLORIDE	VOLATILE PETROLEU M HYDROCAR BONS	XYLENES, TOTAL
MW2W	27-Jul-00	Cyanide						
MW2W	27-Jul-00	Metals						
MW2W	27-Jul-00	PAHs						
MW2W	27-Jul-00	PCB						
MW2W	27-Jul-00	TPH					< 100	
MW2W	27-Jul-00	VOCs	< 1			< 2		< 1
MW2W	09-Jan-01	Metals						
MW2W	09-Jan-01	VOCs	< 5	< 10	< 10	< 10		< 5
MW2W	08-May-01	Metals						
MW2W	08-May-01	Metals, Dissolved						
MW2W	08-May-01	VOCs	< 1	< 1		< 1		< 3
MW2W	18-Jul-01	Metals						
MW2W	18-Jul-01	Metals, Dissolved						
MW2W	18-Jul-01	VOCs	< 1	< 1		< 1		< 3
MW2W	29-Oct-01	Metals						
MW2W	29-Oct-01	Metals, Dissolved						
MW2W	29-Oct-01	VOCs	< 1	< 1		< 1		< 3
MW2W	11-Mar-02	VOCs	< 1	< 1		< 1		< 3
MW2W	31-May-02	VOCs	< 1	< 1		< 1		< 3
MW2W	20-Jun-03	VOCs	< 1	< 1		< 1		< 3

Notes:
All concentrations in ug/L
See Section 1 for definition of laboratory qualifier.

TABLE H-3
RANGE OF DETECTION LIMITS FOR CONSTITUENTS IN GROUNDWATER
WITH NO DETECTION FOR AREA 7: ENGINEERING CAMPUS
BOEING TRACT 1, ST. LOUIS, MISSOURI

COC	Maximum	Minimum
1,1,1,2-TETRACHLOROETHANE	<5	<1
1,1,1-TRICHLOROETHANE	<5	<1
1,1,2,2-TETRACHLOROETHANE	<5	<1
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	<1	<1
1,1,2-TRICHLOROETHANE	<5	<1
1,1-DICHLOROETHANE	<5	<1
1,1-DICHLOROETHENE	<5	<1
1,1-DICHLOROPROPENE	<5	<1
1,2,3-TRICHLOROBENZENE	<5	<1
1,2,3-TRICHLOROPROPANE	<5	<1
1,2,3-TRIMETHYLBENZENE	<1	<1
1,2,4-TRICHLOROBENZENE	<5	<1
1,2,4-TRIMETHYLBENZENE	<5	<1
1,2-DIBROMO-3-CHLOROPROPANE	<5	<2
1,2-DIBROMOETHANE	<5	<1
1,2-DICHLOROBENZENE	<5	<1
1,2-DICHLOROETHANE	<5	<1
1,2-DICHLOROETHENE (TOTAL)	<5	<0.66
1,2-DICHLOROPROPANE	<5	<1
1,3,5-TRIMETHYLBENZENE	<5	<1
1,3-DICHLOROBENZENE	<5	<1
1,3-DICHLOROPROPANE	<5	<1
1,4-DICHLOROBENZENE	<5	<1
2,2-DICHLOROPROPANE	<5	<1
2-CHLOROETHYL VINYL ETHER	<50	<50
2-CHLOROTOLUENE	<5	<1
2-HEXANONE (MBK)	<10	<5
4-CHLOROTOLUENE	<5	<1
4-ISOPROPYLTOLUENE	<5	<5
ACENAPHTHENE	<5	<5
ACENAPHTHYLENE	<5	<5
ACETONE	<50	<10
ACROLEIN	<50	<50
ACRYLONITRILE	<50	<50
ANTHRACENE	<5	<5
AROCLOR 1016	<1.1	<1.1
AROCLOR 1221	<1.1	<1.1
AROCLOR 1232	<1.1	<1.1
AROCLOR 1242	<1.1	<1.1
AROCLOR 1248	<1.1	<1.1
AROCLOR 1254	<1.1	<1.1
AROCLOR 1260	<1.1	<1.1
BENZO(A)ANTHRACENE	<5	<5
BENZO(A)PYRENE	<5	<5
BENZO(B)FLUORANTHENE	<5	<5
BENZO(GHI)PERYLENE	<5	<5

TABLE H-3
RANGE OF DETECTION LIMITS FOR CONSTITUENTS IN GROUNDWATER
WITH NO DETECTION FOR AREA 7: ENGINEERING CAMPUS
BOEING TRACT 1, ST. LOUIS, MISSOURI

COC	Maximum	Minimum
BENZO(K)FLUORANTHENE	<5	<5
BROMOBENZENE	<5	<1
BROMOCHLOROMETHANE	<5	<5
BROMODICHLOROMETHANE	<5	<1
BROMOFORM	<5	<1
BROMOMETHANE	<10	<1
CADMIUM	<10	<2
CADMIUM, DISSOLVED	<2	<2
CARBON DISULFIDE	<5	<1
CARBON TETRACHLORIDE	<5	<1
CHLOROBENZENE	<5	<1
CHLORODIBROMOMETHANE	<1	<1
CHLOROETHANE	<10	<1
CHLOROFORM	<5	<0.34
CHLOROMETHANE	<10	<1
CHRYSENE	<5	<5
CIS-1,3-DICHLOROPROPENE	<5	<1
CYANIDE, TOTAL	<5	<5
DIBENZO(A,H)ANTHRACENE	<5	<5
DIBROMOCHLOROMETHANE	<5	<1
DIBROMOMETHANE	<5	<1
DICHLORODIFLUOROMETHANE	<10	<1
DI-ISOPROPYL ETHER	<1	<1
ETHYLBENZENE	<5	<1
FLUORANTHENE	<5	<5
FLUORENE	<5	<5
HEXACHLOROBUTADIENE	<5	<1
INDENO(1,2,3-CD)PYRENE	<5	<5
IODOMETHANE	<10	<10
ISOPROPYL BENZENE	<5	<1
LEAD, DISSOLVED	<5	<5
M,P-XYLENE	<5	<5
MERCURY, DISSOLVED	<0.2	<0.2
METHYL ETHYL KETONE (MEK)	<50	<5
METHYL ISOBUTYL KETONE	<50	<5
METHYL TERT-BUTYL ETHER	<10	<1
METHYLENE CHLORIDE	<5	<1
NAPHTHALENE	<5	<1
N-BUTYLBENZENE	<5	<1
N-PROPYLBENZENE	<5	<1
O-XYLENE	<5	<5
PHENANTHRENE	<5	<5
P-ISOPROPYLTOLUENE	<1	<1
PYRENE	<5	<5
SEC-BUTYLBENZENE	<5	<1
SILVER	<20	<10

TABLE H-3
RANGE OF DETECTION LIMITS FOR CONSTITUENTS IN GROUNDWATER WITH NO DETECTION FOR AREA 7: ENGINEERING CAMPUS BOEING TRACT 1, ST. LOUIS, MISSOURI

COC	Maximum	Minimum
STYRENE	<5	<1
TERT-BUTYLBENZENE	<5	<1
TETRACHLOROETHENE	<5	<1
TRANS-1,2-DICHLOROETHENE	<5	<1
TRANS-1,3-DICHLOROPROPENE	<5	<1
TRICHLOROETHENE	<5	<1
TRICHLOROFLUOROMETHANE	<10	<1
VINYL ACETATE	<10	<10
VINYL CHLORIDE	<10	<1
XYLENES, TOTAL	<5	<1

Note:
All concentrations in ug/L

APPENDIX I

AREA 8: OFFICE COMPLEX NORTH

BOEING TRACT 1, ST. LOUIS, MISSOURI

Appendix I-1. **Soil Data for Area 8: Office Complex North**

Appendix I-2. **Groundwater Data for Area 8: Office Complex North**

Appendix I-1
Soil Data for Area 8: Office Complex North
Boeing Tract 1, St. Louis, Missouri

Source/Area	Sample ID	Date	Depth (ft bgs)	VOCs 1,2-Dichloro ethene (Total)	VOCs Acetone	VOCs Methyl ethyl ketone (MEK)	VOCs Methylene chloride	VOCs Trichloro ethene	TPH Kerosene	TPH TPH as Diesel	TPH Volatile Petroleum Hydrocarbons	PAHs Benzo(b) fluoranthene
Former TCE Degreaser Area (Bldg. 220)	SB1	01/23/99	0-2*					<5				
	SB2	01/23/99	0-2*					<5				
	SB3	01/23/99	0-2*					<5				
	SB4	01/23/99	0-2*					55				
	SB5	01/23/99	0-2*					54.3				
	SB6	01/23/99	0-2*					10.6				
	B220I1-7	07/24/00	7	75	< 25	< 25	11	48				< 19
	B220I3-8	11/14/00	8		< 25	< 25	< 6.3	< 6.3				
	MW10S-12	09/19/00	12				< 5	< 5				
	MW10S-18	09/19/00	18		130	110	< 7	< 7				
	MW10S-25	09/19/00	25				< 5	< 5				
	MW10S-29	09/19/00	29				< 5	< 5				
	MW10S-34	09/19/00	34				< 5	< 5				
	MW10S-44	09/19/00	44				< 5	< 5				
	MW10S-51	09/19/00	51				< 5	< 5				
	MW10S-61	09/19/00	61				< 5	< 5				
	MW10S-79	09/19/00	79				< 5	< 5				
Hydraulic Trash Compactor Area (Bldg. 220)	B220N1-6	07/24/00	6							< 33000	< 130	
	B220N2-8	09/19/00	8		B 30	< 26	10	< 6.4	< 32000	< 32000	< 130	
	B220N3-6	09/19/00	6		< 25	< 25	8.9	< 6.4	< 32000	< 32000	< 130	
Former UST Area (Bldg. 221)	B221E1-12	07/24/00	12	< 5.9	D 63	< 24	< 5.9	< 5.9		330000	5200	
	B221E1-7	07/24/00	7	< 5.7	D 71	< 23	< 5.7	< 5.7		1200000	2900	
	B221E2-8	07/26/00	8	< 6.4	J 19	< 25	< 6.4	< 6.4		< 32000	< 130	
	B221E3-7	07/26/00	7	< 6.3	27	< 25	< 6.3	< 6.3		< 31000	220	
Upgradient Area	MW-4-16	07/18/00	16	< 7.1	< 29	J 10	< 7.1	< 7.1		< 36000	< 140	66
	MW-4-2	07/18/00	2									

Notes:
* Hand auger samples from below building 220 floor slab
All concentrations in ug/kg (micrograms per kilogram)
<: Less than detection limit shown
NA: Not available
Blank: Not analyzed
VOC: Volatile organic compound
TPH: Total petroleum hydrocarbon
PAH: Polynuclear aromatic hydrocarbon
ft bgs: Feet below ground surface
Lab qualifiers in Section 1.0

Appendix I-1
Soil Data for Area 8: Office Complex North
Boeing Tract 1, St. Louis, Missouri

Source/Area	Sample ID	Date	Depth (ft bgs)	PAHs	Metals	Metals	Metals	Metals	Metals	Metals
				Chrysene	Arsenic	Barium	Cadmium	Chromium	Lead	Mercury
Former TCE Degreaser Area (Bldg. 220)	SB1	01/23/99	0-2*		13600	193000	400	17900	14400	50
	SB2	01/23/99	0-2*		12400	161000	400	22000	15500	20
	SB3	01/23/99	0-2*		11300	140000	400	22100	12000	40
	SB4	01/23/99	0-2*		10900	130000	400	33100	10200	40
	SB5	01/23/99	0-2*		13200	174000	400	18200	13100	40
	SB6	01/23/99	0-2*		13600	171000	300	17300	14400	40
	B220I1-7	07/24/00	7	< 19						
	B220I3-8	11/14/00	8							
	MW10S-12	09/19/00	12							
	MW10S-18	09/19/00	18		2400	69100	720	9400	5000	< 140
	MW10S-25	09/19/00	25							
	MW10S-29	09/19/00	29							
	MW10S-34	09/19/00	34							
	MW10S-44	09/19/00	44							
	MW10S-51	09/19/00	51							
	MW10S-61	09/19/00	61							
	MW10S-79	09/19/00	79							
Hydraulic Trash Compactor Area (Bldg. 220)	B220N1-6	07/24/00	6							
	B220N2-8	09/19/00	8		7400	103000	720	13900	7900	< 130
	B220N3-6	09/19/00	6		4100	118000	770	14900	9300	< 130
Former UST Area (Bldg. 221)	B221E1-12	07/24/00	12							
	B221E1-7	07/24/00	7							
	B221E2-8	07/26/00	8							
	B221E3-7	07/26/00	7							
Upgradient Area	MW-4-16	07/18/00	16	44	4500	59600	< 710	11800	8200	B 14
	MW-4-2	07/18/00	2							

Notes:
* Hand auger samples from below building 220 floor slab
All concentrations in ug/kg (micrograms per kilogram)
<: Less than detection limit shown
NA: Not available
Blank: Not analyzed
VOC: Volatile organic compound
TPH: Total petroleum hydrocarbon
PAH: Polynuclear aromatic hydrocarbon
ft bgs: Feet below ground surface
Lab qualifiers in Section 1.0

Appe[illegible]-2
Groundwater Data for Area 8: North Office Complex
Boeing Tract 1, St. Louis, Missouri

Sample ID	Date	Group	1,1-Dichloro ethane	1,1-Dichloro ethene	1,2-Dichloro ethene (Total)	Arsenic	Barium	Barium, Dissolved	Bromo methane	Chromium	cis-1,2-Dichloro ethene	Ethylbenzene	Lead	Mercury	Methylene chloride	Toluene
B220I1W	25-Jul-00	VOCs	< 1	J 0.88	D 54				< 2			< 1			< 1	< 1
B220I3W	14-Nov-00	VOCs	< 5	< 5					< 10		< 2.5	< 5			< 5	< 5
B220N1W	25-Jul-00	TPH														
B220N1W-2004	29-Apr-04	TPH														
B220N2W	20-Sep-00	Metals				13.2	332			44.3			19.2	< 0.2		
B220N2W	20-Sep-00	TPH														
B220N3W	20-Sep-00	Metals				17.7	518			59.4			18.8	< 0.2		
B220N3W	20-Sep-00	TPH														
B221E1W	25-Jul-00	TPH														
B221E2W	26-Jul-00	TPH														
B221E2W	26-Jul-00	VOCs	< 1	< 1	< 1				< 2			< 1			J B 0.57	< 1
B221E3W	26-Jul-00	TPH														
B221E3W	26-Jul-00	VOCs	< 1	< 1	< 1				< 2			< 1			J B 0.46	< 1
MW10DW	26-Sep-00	Metals				< 10	418			105			10.7	< 0.2		
MW10DW	26-Sep-00	VOCs	< 5	< 5					< 10		< 2.5	< 5			< 5	< 5
MW10DW	12-Jan-01	Metals				< 50	367			59			< 50	< 0.2		
MW10DW	12-Jan-01	Metals, Dissolved						266								
MW10DW	12-Jan-01	VOCs	< 5	< 5	< 5				< 10		< 5	< 5			< 5	< 5
MW10DW	09-May-01	Metals				< 5	310			< 2			< 5	< 0.2		
MW10DW	09-May-01	VOCs	< 1	< 1					< 1		< 1	< 1			< 5	1.3
MW10DW	20-Jul-01	Metals				< 5	410			3.4			7.4	< 0.2		
MW10DW	20-Jul-01	VOCs	< 1	< 1					< 1		< 1	< 1			< 5	< 5
MW10DW	25-Oct-01	Metals				< 5	440			16			16	< 0.2		
MW10DW	25-Oct-01	VOCs	< 1	< 1					< 1		< 1	< 1			< 5	< 5
MW10DW	08-Mar-02	VOCs	< 1	< 1					< 1		< 1	< 1			< 5	< 5
MW10DW	29-May-02	VOCs	< 1	< 1					< 1		< 1	H 1.1			< 5	H 46
MW10DW	12-Aug-02	VOCs	< 1	< 1					< 1		< 1	< 1			< 5	< 5
MW10DW	06-Dec-02	VOCs	< 1	< 1					< 1		< 1	< 1			< 5	< 5
MW10DW	14-Mar-03	VOCs	< 1	< 1					< 1		< 1	< 1			< 5	< 5
MW10DW	25-Jun-03	VOCs	< 1	< 1					< 1		< 1	< 1			< 5	< 5
MW10SW	26-Sep-00	Metals				23.5	1010			123			47.6	< 0.2		
MW10SW	26-Sep-00	VOCs	16	< 5					< 10		3.1	< 5			< 5	< 5
MW10SW	09-Jan-01	Metals				< 250	3600			610			< 250	< 2		
MW10SW	09-Jan-01	VOCs	13	< 5	< 5				< 10		< 5	< 5			< 5	< 5
MW10SW	09-May-01	Metals				< 5	490			13			5.7	< 0.2		
MW10SW	09-May-01	Metals, Dissolved						290								
MW10SW	09-May-01	VOCs	17	< 1					< 1		3.3	< 1			< 5	1.4
MW10SW	20-Jul-01	Metals				< 5	250			3.4			6.4	< 0.2		
MW10SW	20-Jul-01	VOCs	H 17	< 1					< 1		H 4	< 1			< 5	< 5
MW10SW	25-Oct-01	Metals				< 5	190			6.7			7	< 0.2		
MW10SW	25-Oct-01	Metals, Dissolved						140								
MW10SW	25-Oct-01	VOCs	H 16	< 1					< 1		H 3.5	< 1			< 5	< 5
MW10SW	07-Mar-02	VOCs	H 14	< 1					< 1		H 2.9	< 1			< 5	< 5
MW10SW	29-May-02	VOCs	10	< 1					< 1		2.2	< 1			< 5	< 5
MW10SW	12-Aug-02	VOCs	13	< 1					< 1		2.8	< 1			< 5	< 5
MW10SW	03-Dec-02	VOCs	8.1	< 1					< 1		1.7	< 1			< 5	< 5
MW10SW	14-Mar-03	VOCs	8.7	< 1					< 1		2.5	< 1			< 5	< 5
MW10SW	25-Jun-03	VOCs	11	< 1					< 1		2.4	< 1			< 5	< 5
MW10SW DUP	20-Jul-01	Metals				< 5	280			3.8			5.8	< 0.2		

Appe[illegible]-2

Groundwater Data for Area 8: North Office Complex

Boeing Tract 1, St. Louis, Missouri

Sample ID	Date	Group	1,1-Dichloro ethane	1,1-Dichloro ethene	1,2-Dichloro ethene (Total)	Arsenic	Barium	Barium, Dissolved	Bromo methane	Chromium	cis-1,2-Dichloro ethene	Ethylbenzene	Lead	Mercury	Methylene chloride	Toluene
MW10SW DUP	20-Jul-01	VOCs	18	< 1					< 1		4.1	< 1			< 5	< 5
MW10SW DUP	25-Oct-01	Metals				< 5	200			6.7			8.8	< 0.2		
MW10SW DUP	25-Oct-01	Metals, Dissolved						140								
MW10SW DUP	25-Oct-01	VOCs	H 16	< 1					< 1		H 3.6	< 1			< 5	< 5
MW10SW DUP	07-Mar-02	VOCs	H 14	< 1					< 1		H 3.2	< 1			< 5	< 5
MW4W	27-Jul-00	Cyanide														
MW4W	27-Jul-00	Metals				34.9	783			153			49.3	B 0.11		
MW4W	27-Jul-00	PAHs														
MW4W	27-Jul-00	PCB														
MW4W	27-Jul-00	TPH														
MW4W	27-Jul-00	VOCs	< 1	< 1	< 1				< 2			< 1			< 1	< 1
MW4W	09-Jan-01	Metals				< 50	440			72			< 50	< 0.2		
MW4W	09-Jan-01	VOCs	< 5	< 5	< 5				< 10		< 5	< 5			< 5	< 5
MW4W	09-May-01	Metals				< 5	320			15			6.3	< 0.2		
MW4W	09-May-01	Metals, Dissolved						160								
MW4W	09-May-01	VOCs	< 1	< 1					< 1		< 1	< 1			< 5	< 1
MW4W	20-Jul-01	Metals				< 5	220			5.2			7.1	< 0.2		
MW4W	20-Jul-01	Metals, Dissolved						190								
MW4W	20-Jul-01	VOCs	< 1	< 1					< 1		< 1	< 1			< 5	< 5
MW4W	25-Oct-01	Metals				< 5	370			7.9			6.1	< 0.2		
MW4W	25-Oct-01	Metals, Dissolved						280								
MW4W	25-Oct-01	VOCs	< 1	< 1					< 1		< 1	< 1			< 5	< 5
MW4W	08-Mar-02	VOCs	< 1	< 1					< 1		< 1	< 1			< 5	< 5
MW4W	29-May-02	VOCs	< 1	< 1					J5 1.8		< 1	< 1			< 5	< 5
MW4W	25-Jun-03	VOCs	< 1	< 1					< 1		< 1	< 1			< 5	< 5

Notes:

All concentrations in ug/L (micrograms per liter)

< Less than detection limit shown

Blanks: Not analyzed

ND: Not detected

VOC: Volatile organic compound

TPH: Total petroleum hydrocarbon

PAH: Polynuclear aromatic hydrocarbon

PCB: Polychlorinated byphehol

Lab qualifiers in Section 1.0

Appe[illegible]2

Groundwater Data for Area 8: North Office Complex

Boeing Tract 1, St. Louis, Missouri

Sample ID	Date	Group	TPH as Diesel	Trichloro ethene	Vinyl chloride	Volatile Petroleum Hydrocarbons	Xylenes, Total	GRO (8260)	nC6 to nC12 (GRO TX1005)	>nC12 to nC28 (DRO TX1005)	>nC28 to nC35 (ORO TX1005)	Total Petroleum Hydrocarbon (TX1005)	Aliphatics nC6 (TX1006)	Aliphatics >nC6 to nC8 (TX1006)	Aliphatics >nC8 to nC10 (TX1006)	Aliphatics >nC10 to nC12 (TX1006)
B220I1W	25-Jul-00	VOCs		D 220	< 2		< 1									
B220I3W	14-Nov-00	VOCs		< 5	< 5		< 5									
B220N1W	25-Jul-00	TPH	35000						<500	64000	32000	96000	<500	<500	<500	<500
B220N1W-2004	29-Apr-04	TPH														
B220N2W	20-Sep-00	Metals														
B220N2W	20-Sep-00	TPH	< 500			< 100										
B220N3W	20-Sep-00	Metals														
B220N3W	20-Sep-00	TPH	< 500			< 100										
B221E1W	25-Jul-00	TPH	< 500			650										
B221E2W	26-Jul-00	TPH	< 830			< 100										
B221E2W	26-Jul-00	VOCs		< 1	< 2		< 1									
B221E3W	26-Jul-00	TPH	< 500			< 100										
B221E3W	26-Jul-00	VOCs		< 1	< 2		< 1									
MW10DW	26-Sep-00	Metals														
MW10DW	26-Sep-00	VOCs		< 5	< 5		< 5									
MW10DW	12-Jan-01	Metals														
MW10DW	12-Jan-01	Metals, Dissolved														
MW10DW	12-Jan-01	VOCs		< 5	< 10		< 5									
MW10DW	09-May-01	Metals														
MW10DW	09-May-01	VOCs		< 1	< 1		< 3									
MW10DW	20-Jul-01	Metals														
MW10DW	20-Jul-01	VOCs		< 1	< 1		< 3									
MW10DW	25-Oct-01	Metals														
MW10DW	25-Oct-01	VOCs		< 1	< 1		< 3									
MW10DW	08-Mar-02	VOCs		1.2	< 1		< 3									
MW10DW	29-May-02	VOCs		< 1	< 1		H 6.4									
MW10DW	12-Aug-02	VOCs		< 1	< 1		< 3									
MW10DW	06-Dec-02	VOCs		< 1	< 1		< 3									
MW10DW	14-Mar-03	VOCs		< 1	< 1		< 3									
MW10DW	25-Jun-03	VOCs		< 1	< 1		< 3									
MW10SW	26-Sep-00	Metals														
MW10SW	26-Sep-00	VOCs		< 5	< 5		< 5									
MW10SW	09-Jan-01	Metals														
MW10SW	09-Jan-01	VOCs		< 5	< 10		< 5									
MW10SW	09-May-01	Metals														
MW10SW	09-May-01	Metals, Dissolved														
MW10SW	09-May-01	VOCs		< 1	3.1		< 3									
MW10SW	20-Jul-01	Metals														
MW10SW	20-Jul-01	VOCs		< 1	H 3.6		< 3									
MW10SW	25-Oct-01	Metals														
MW10SW	25-Oct-01	Metals, Dissolved														
MW10SW	25-Oct-01	VOCs		< 1	H 2.8		< 3									
MW10SW	07-Mar-02	VOCs		< 1	H 2.4		< 3									
MW10SW	29-May-02	VOCs		< 1	2.7		< 3									
MW10SW	12-Aug-02	VOCs		< 1	2.4		< 3									
MW10SW	03-Dec-02	VOCs		< 1	2.4		< 3									
MW10SW	14-Mar-03	VOCs		< 1	2.6		< 3									
MW10SW	25-Jun-03	VOCs		< 1	1.4		< 3									
MW10SW DUP	20-Jul-01	Metals														

Appe[illegible]1-2

Groundwater Data for Area 8: North Office Complex

Boeing Tract 1, St. Louis, Missouri

Sample ID	Date	Group	TPH as Diesel	Trichloro ethene	Vinyl chloride	Volatile Petroleum Hydrocarbons	Xylenes, Total	GRO (8260)	nC6 to nC12 (GRO TX1005)	>nC12 to nC28 (DRO TX1005)	>nC28 to nC35 (ORO TX1005)	Total Petroleum Hydrocarbon (TX1005)	Aliphatics nC6 (TX1006)	Aliphatics >nC6 to nC8 (TX1006)	Aliphatics >nC8 to nC10 (TX1006)	Aliphatics >nC10 to nC12 (TX1006)
MW10SW DUP	20-Jul-01	VOCs		< 1	3.3		< 3									
MW10SW DUP	25-Oct-01	Metals														
MW10SW DUP	25-Oct-01	Metals, Dissolved														
MW10SW DUP	25-Oct-01	VOCs		< 1	H 2.9		< 3									
MW10SW DUP	07-Mar-02	VOCs		< 1	H 2.4		< 3									
MW4W	27-Jul-00	Cyanide														
MW4W	27-Jul-00	Metals														
MW4W	27-Jul-00	PAHs														
MW4W	27-Jul-00	PCB														
MW4W	27-Jul-00	TPH	< 500			< 100										
MW4W	27-Jul-00	VOCs		< 1	< 2		< 1									
MW4W	09-Jan-01	Metals														
MW4W	09-Jan-01	VOCs		< 5	< 10		< 5									
MW4W	09-May-01	Metals														
MW4W	09-May-01	Metals, Dissolved														
MW4W	09-May-01	VOCs		< 1	< 1		< 3									
MW4W	20-Jul-01	Metals														
MW4W	20-Jul-01	Metals, Dissolved														
MW4W	20-Jul-01	VOCs		< 1	< 1		< 3									
MW4W	25-Oct-01	Metals														
MW4W	25-Oct-01	Metals, Dissolved														
MW4W	25-Oct-01	VOCs		< 1	< 1		< 3									
MW4W	08-Mar-02	VOCs		< 1	< 1		< 3									
MW4W	29-May-02	VOCs		< 1	< 1		< 3									
MW4W	25-Jun-03	VOCs		< 1	< 1		< 3									

Notes:

All concentrations in ug/L (micrograms per liter)

< Less than detection limit shown

Blanks: Not analyzed

ND: Not detected

VOC: Volatile organic compound

TPH: Total petroleum hydrocarbon

PAH: Polynuclear aromatic hydrocarbon

PCB: Polychlorinated byphehol

Lab qualifiers in Section 1.0

Appe[illegible]-2
Groundwater Data for Area 8: North Office Complex
Boeing Tract 1, St. Louis, Missouri

Sample ID	Date	Group	Aliphatics >nC12 to nC16 (TX1006)	Aliphatics >nC16 to nC21 (TX1006)	Aliphatics >nC21 to nC35 (TX1006)	Aromatics >nC7 to nC8 (TX1006)	Aromatics >nC8 to nC10 (TX1006)	Aromatics >nC10 to nC12 (TX1006)	Aromatics >nC12 to nC16 (TX1006)	Aromatics >nC16 to nC21 (TX1006)	Aromatics >nC21 to nC35 (TX1006)	Total Petroleum Hydrocarbons (TX1006)
B220I1W	25-Jul-00	VOCs										
B220I3W	14-Nov-00	VOCs										
B220N1W	25-Jul-00	TPH										
B220N1W-2004	29-Apr-04	TPH	5000	15000	50000	<500	<500	<500	2000	4000	20000	96000
B220N2W	20-Sep-00	Metals										
B220N2W	20-Sep-00	TPH										
B220N3W	20-Sep-00	Metals										
B220N3W	20-Sep-00	TPH										
B221E1W	25-Jul-00	TPH										
B221E2W	26-Jul-00	TPH										
B221E2W	26-Jul-00	VOCs										
B221E3W	26-Jul-00	TPH										
B221E3W	26-Jul-00	VOCs										
MW10DW	26-Sep-00	Metals										
MW10DW	26-Sep-00	VOCs										
MW10DW	12-Jan-01	Metals										
MW10DW	12-Jan-01	Metals, Dissolved										
MW10DW	12-Jan-01	VOCs										
MW10DW	09-May-01	Metals										
MW10DW	09-May-01	VOCs										
MW10DW	20-Jul-01	Metals										
MW10DW	20-Jul-01	VOCs										
MW10DW	25-Oct-01	Metals										
MW10DW	25-Oct-01	VOCs										
MW10DW	08-Mar-02	VOCs										
MW10DW	29-May-02	VOCs										
MW10DW	12-Aug-02	VOCs										
MW10DW	06-Dec-02	VOCs										
MW10DW	14-Mar-03	VOCs										
MW10DW	25-Jun-03	VOCs										
MW10SW	26-Sep-00	Metals										
MW10SW	26-Sep-00	VOCs										
MW10SW	09-Jan-01	Metals										
MW10SW	09-Jan-01	VOCs										
MW10SW	09-May-01	Metals										
MW10SW	09-May-01	Metals, Dissolved										
MW10SW	09-May-01	VOCs										
MW10SW	20-Jul-01	Metals										
MW10SW	20-Jul-01	VOCs										
MW10SW	25-Oct-01	Metals										
MW10SW	25-Oct-01	Metals, Dissolved										
MW10SW	25-Oct-01	VOCs										
MW10SW	07-Mar-02	VOCs										
MW10SW	29-May-02	VOCs										
MW10SW	12-Aug-02	VOCs										
MW10SW	03-Dec-02	VOCs										
MW10SW	14-Mar-03	VOCs										
MW10SW	25-Jun-03	VOCs										
MW10SW DUP	20-Jul-01	Metals										

App[illegible]-2
Groundwater Data for Area 8: North Office Complex
Boeing Tract 1, St. Louis, Missouri

Sample ID	Date	Group	Aliphatics >nC12 to nC16 (TX1006)	Aliphatics >nC16 to nC21 (TX1006)	Aliphatics >nC21 to nC35 (TX1006)	Aromatics >nC7 to nC8 (TX1006)	Aromatics >nC8 to nC10 (TX1006)	Aromatics >nC10 to nC12 (TX1006)	Aromatics >nC12 to nC16 (TX1006)	Aromatics >nC16 to nC21 (TX1006)	Aromatics >nC21 to nC35 (TX1006)	Total Petroleum Hydrocarbons (TX1006)
MW10SW DUP	20-Jul-01	VOCs										
MW10SW DUP	25-Oct-01	Metals										
MW10SW DUP	25-Oct-01	Metals, Dissolved										
MW10SW DUP	25-Oct-01	VOCs										
MW10SW DUP	07-Mar-02	VOCs										
MW4W	27-Jul-00	Cyanide										
MW4W	27-Jul-00	Metals										
MW4W	27-Jul-00	PAHs										
MW4W	27-Jul-00	PCB										
MW4W	27-Jul-00	TPH										
MW4W	27-Jul-00	VOCs										
MW4W	09-Jan-01	Metals										
MW4W	09-Jan-01	VOCs										
MW4W	09-May-01	Metals										
MW4W	09-May-01	Metals, Dissolved										
MW4W	09-May-01	VOCs										
MW4W	20-Jul-01	Metals										
MW4W	20-Jul-01	Metals, Dissolved										
MW4W	20-Jul-01	VOCs										
MW4W	25-Oct-01	Metals										
MW4W	25-Oct-01	Metals, Dissolved										
MW4W	25-Oct-01	VOCs										
MW4W	08-Mar-02	VOCs										
MW4W	29-May-02	VOCs										
MW4W	25-Jun-03	VOCs										

Notes:
All concentrations in ug/L (micrograms per liter)
< Less than detection limit shown
Blanks: Not analyzed
ND: Not detected
VOC: Volatile organic compound
TPH: Total petroleum hydrocarbon
PAH: Polynuclear aromatic hydrocarbon
PCB: Polychlorinated byphehol
Lab qualifiers in Section 1.0

APPENDIX J
AREA 9: GUN RANGE
BOEING TRACT 1, ST. LOUIS, MISSOURI

Appendix J-1. **Soil Data for Area 9: Gun Range**

Appendix J-2. **Groundwater Data for Area 9: Gun Range**

Appendix J-1
Soil Data for Area 9: Gun Range
Boeing Tract 1, St. Louis, Missouri

Group			VOCs	TPH	TPH	TPH	TPH	TPH	TPH	TPH	Metals	Metals	Metals	Metals	Metals	Metals
Sample ID	Date	Depth (ft bgs)	Acetone	TPH as Diesel	TPH as Gasoline	TPH as Hydraulic Fluid	TPH as Jet Fuel	TPH as Kerosene	TPH as Mineral Spirits	TPH as Motor Oil	Arsenic	Barium	Beryllium	Cadmium	Chromium	Copper
B13E1-6	11/2/2002	6									2400	120000		480	10000	
B13E2-6	11/2/2002	6									< 500	92000		< 250	9300	
B13E3-6	11/2/2002	6									2900	B 130000		< 250	J4 7900	
B13E3-6 DUP	11/2/2002	6									4000	B 130000		350	J4 12000	
B11N1-13	7/24/2003	13	J 13	< 4246	< 1000	< 6369	< 4246	< 2547	< 4246	< 6369						
B10N1-12	7/24/2003	12	20	< 4318	< 1000	< 6477	< 4318	< 2591	< 4318	< 6477	5940	231000	611	1210	12800	17700
B10N1-20	7/24/2003	20	J 8.6	< 4197	< 1000	< 6296	< 4197	2520	< 4197	< 6296	3490	47500	426	< 400	7850	8640
B10W1-8	7/24/2003	8	JB 10	< 4360	< 1000	< 6541	< 4360	< 2616	< 4360	< 6541						

Notes:
All concentrations in ug/kg (micrograms per kilogram)
< Less than detection limit shown
Blanks: Not analyzed
ND: Not detect
VOC: Volatile Organic Compound
TPH: Total Petroleum Hydrocarbon
PAH: Polycyclic Aromatic Hydrocarbon
BIO: Parameters monitored for biodegradation
Lab qualifiers in Section 1.0

Appendix J-1
Soil Data for Area 9: Gun Range
Boeing Tract 1, St. Louis, Missouri

Group			Metals	Metals	Metals	Metals	Metals	Metals	BIO
Sample ID	Date	Depth (ft bgs)	Lead	Mercury	Nickel	Selenium	Silver	Zinc	Manganese
B13E1-6	11/2/2002	6	9800	22		< 500	260		
B13E2-6	11/2/2002	6	5000	24		< 500	< 250		
B13E3-6	11/2/2002	6	14000	22		2000	< 250		
B13E3-6 DUP	11/2/2002	6	8900	34		3200	< 250		
B11N1-13	7/24/2003	13	8560						
B10N1-12	7/24/2003	12	9260	< 100	20100	< 4700	456	63700	1178000
B10N1-20	7/24/2003	20	6470	< 100	5820	6610	< 400	21400	45100
B10W1-8	7/24/2003	8	B 8400						

Notes:
All concentrations in ug/kg (micrograms per kilogram)
< Less than detection limit shown
Blanks: Not analyzed
ND: Not detect
VOC: Volatile Organic Compound
TPH: Total Petroleum Hydrocarbon
PAH: Polycyclic Aromatic Hydrocarbon
BIO: Parameters monitored for biodegradation
Lab qualifiers in Section 1.0

Appendix J-2
Groundwater Data for Area 9: Gun Range
Boeing Tract 1, St. Louis, Missouri

Sample ID	Date	Group	Arsenic	Barium	Barium, Dissolved	Beryllium	Chromium	Copper	Lead	Nickel	Silver	TPH as Diesel	TPH as Gasoline	TPH as Hydraulic Fluid	TPH as Jet Fuel
B10N1W	25-Jul-03	Metals	< 30	371		2	13	44	< 44	33	< 4				
B10N1W	25-Jul-03	TPH											< 1000		
B10N1W	25-Jul-03	VOCs													
B10N1W	28-Jul-03	Metals, Dissolved			126										
B10N1W	28-Jul-03	TPH										< 100		< 150	< 100
B10W1W	24-Jul-03	Metals							< 44						
B10W1W	24-Jul-03	TPH										< 100	< 1000	< 150	< 100
B10W1W	24-Jul-03	VOCs													
B11N1W	24-Jul-03	Metals							< 44						
B11N1W	24-Jul-03	PAHs													
B11N1W	24-Jul-03	TPH										< 100	< 1000	< 150	< 100
B11N1W	24-Jul-03	VOCs													
B13E1W	21-Nov-02	Metals	17	370			< 10		9.2		6.6				
B13E2W	21-Nov-02	Metals	55	520			< 10		23		< 5				
B13E3W	21-Nov-02	Metals	62	520			< 10		21		< 5				

Notes:
All concentrations in ug/L (micrograms per liter)
< Less than detection limit shown
ND: Non-detect
Blank: Not analyzed
VOC: Volatile organic compound
TPH: Total petroleum hydrocarbon
PAH: Polynuclear aromatic hydrocarbon
Lab qualifiers in Section 1.0

Appendix J-2
Groundwater Data for Area 9: Gun Range
Boeing Tract 1, St. Louis, Missouri

Sample ID	Date	Group	TPH as Kerosene	TPH as Mineral Spirits	TPH as Motor Oil	Zinc	Zinc, Dissolved
B10N1W	25-Jul-03	Metals				229	
B10N1W	25-Jul-03	TPH					
B10N1W	25-Jul-03	VOCs					
B10N1W	28-Jul-03	Metals, Dissolved					196
B10N1W	28-Jul-03	TPH	< 60	< 100	629		
B10W1W	24-Jul-03	Metals					
B10W1W	24-Jul-03	TPH	253	< 100	< 150		
B10W1W	24-Jul-03	VOCs					
B11N1W	24-Jul-03	Metals					
B11N1W	24-Jul-03	PAHs					
B11N1W	24-Jul-03	TPH	60	< 100	229		
B11N1W	24-Jul-03	VOCs					
B13E1W	21-Nov-02	Metals					
B13E2W	21-Nov-02	Metals					
B13E3W	21-Nov-02	Metals					

Notes:
All concentrations in ug/L (micrograms per liter)
< Less than detection limit shown
ND: Non-detect
Blank: Not analyzed
VOC: Volatile organic compound
TPH: Total petroleum hydrocarbon
PAH: Polynuclear aromatic hydrocarbon
Lab qualifiers in Section 1.0

APPENDIX K
MULTIPLE ANALYSIS DATA
BOEING TRACT 1, ST. LOUIS, MISSOURI

Soil - Sub-area 2A

REFERENCE	BoeingParmName	B51W1-6	B51W3-12	B51W4-6
8021	BENZENE	< 1		
8260	BENZENE		< 5	< 5
OA1	BENZENE	< 50	< 2	< 2
8021	ETHYLBENZENE	< 1		
8260	ETHYLBENZENE		< 5	< 5
OA1	ETHYLBENZENE	< 50	< 2	< 2
8260	METHYL TERT-BUTYL ETHER		< 10	< 10
OA1	METHYL TERT-BUTYL ETHER	< 25	< 2	< 2
8021	TOLUENE	< 1		
8260	TOLUENE		< 5	< 5
OA1	TOLUENE	< 50	2.6	< 2

Soil -Sub-area 2B

REFERENCE	BoeingParmName	SB-15-9	SB-16-9	SB-17-10	SB-20-15	SB-20-7	SB-5 5_5-7	SB-6 9_5-11
8240	BENZENE						< 6.5	< 6.6
8260B	BENZENE	< 6.5	< 6.3	< 5	< 5	< 50		
OA1	BENZENE	< 1	< 1	< 1	< 10	< 120	< 11	< 11
8240	ETHYLBENZENE						< 6.5	< 6.6
8260B	ETHYLBENZENE	< 6.5	< 6.3	< 5	< 5	< 50		
OA1	ETHYLBENZENE	< 1	< 1	< 1	< 10	330	< 8.8	< 8.8
8260B	METHYL TERT-BUTYL ETHER			< 10	< 10	< 100		
OA1	METHYL TERT-BUTYL ETHER	< 1	< 1	< 1	< 10	< 120		
8240	TOLUENE						< 6.5	< 6.6
8260B	TOLUENE	< 6.5	< 6.3	< 5	< 5	J 26		
OA1	TOLUENE	< 1	< 1	< 1	< 10	< 120	< 6.3	< 6.3
8240	XYLENES, TOTAL						< 6.5	< 6.6
8260B	XYLENES, TOTAL	< 6.5	< 6.3	< 5	< 5	< 50		
OA1	XYLENES, TOTAL	2	< 1	< 1	56	1000	< 27	< 27

Soil - Sub-area 2C

REFERENCE	BoeingParmName	B48E1-8
8260	BENZENE	< 5
OA1	BENZENE	< 2
8260	ETHYLBENZENE	< 5
OA1	ETHYLBENZENE	< 2
8260	METHYL TERT-BUTYL ETHER	< 10
OA1	METHYL TERT-BUTYL ETHER	< 2
8260	TOLUENE	< 5
OA1	TOLUENE	< 2

Soil - Sub-area 3A

REFERENCE	BoeingParmName	B41N1-8	B41S1-6	B41S3D-4	B42N2-12	B42N3-4	B42N4-8	B42N5-6
8021	BENZENE	186	< 5	18				
8260	BENZENE				< 5	< 5	< 5	< 25
OA1	BENZENE				< 2	< 2	< 2	< 10
8021	ETHYLBENZENE	< 5	< 5	10				
8260	ETHYLBENZENE				< 5	< 5	< 5	< 25
OA1	ETHYLBENZENE				< 2	3.6	< 2	91
8260	METHYL TERT-BUTYL ETHER				< 10	< 10	< 10	< 50
OA1	METHYL TERT-BUTYL ETHER				< 2	< 2	< 2	< 10
8021	NAPHTHALENE	< 5	< 5	< 5				
8260	NAPHTHALENE				< 10	< 10	< 10	< 50
8270C	NAPHTHALENE	< 33	< 33	< 33				
8021	TOLUENE	< 5	< 5	26				
8260	TOLUENE				< 5	< 5	< 5	< 25
OA1	TOLUENE				3.1	3.7	2.6	23

Soil - Sub-area 3B

REFERENCE	BoeingParmName	B42E2-8	B42E3-4
8260	BENZENE	< 5	< 5
OA1	BENZENE	34.8	107
8260	ETHYLBENZENE	< 5	< 5
OA1	ETHYLBENZENE	110	26
8260	METHYL TERT-BUTYL ETHER	< 10	< 10
OA1	METHYL TERT-BUTYL ETHER	< 10	< 2
8260	TOLUENE	< 5	< 5
OA1	TOLUENE	28	8.6

Soil - Sub-area 3C

REFERENCE	BoeingParmName	B42S3-9	B42S4-6	B42S5-8	B42S6-5	B42S7-8
8260	BENZENE	< 5	< 5	< 25	< 5	< 5
OA1	BENZENE	< 2	< 2	63.5	< 2	< 2
8021/OA1	ETHYLBENZENE					
8260	ETHYLBENZENE	< 5	< 5	< 25	< 5	< 5
OA1	ETHYLBENZENE	< 2	< 2	< 10	< 2	< 2
8260	METHYL TERT-BUTYL ETHER	< 10	< 10	< 50	< 10	< 10
OA1	METHYL TERT-BUTYL ETHER	< 2	< 2	30	< 2	5.8
8260	TOLUENE	< 5	< 5	< 25	< 5	< 5
OA1	TOLUENE	< 2	< 2	41	4.2	2.7

Soil - Sub-area 3D

REFERENCE	BoeingParmName	B2I1-8	B2I2-3	B2N6-6	B2N7-6	B2W1-6	B41E1-10	B41S2-4
8021	BENZENE	< 5				21	< 1	< 5
8260	BENZENE			< 5	< 5			
8260IX	BENZENE		< 5					
OA1	BENZENE		< 50	< 2	< 2			
8021	ETHYLBENZENE	29				< 5	< 1	< 5
8260	ETHYLBENZENE			< 5	< 5			
8260IX	ETHYLBENZENE		< 5					
OA1	ETHYLBENZENE		< 50	< 2	< 2			
8260	METHYL TERT-BUTYL ETHER			< 10	< 10			
8260IX	METHYL TERT-BUTYL ETHER		< 10					
OA1	METHYL TERT-BUTYL ETHER		< 25	< 2	< 2			
8021	NAPHTHALENE	< 5				< 5	< 1	< 5
8260	NAPHTHALENE			< 10	< 10			
8260IX	NAPHTHALENE		< 10					
8270C	NAPHTHALENE	< 33				< 33	< 33	< 33
8021	TOLUENE	< 5				< 5	< 1	< 5
8260	TOLUENE			< 5	< 5			
8260IX	TOLUENE		< 5					
OA1	TOLUENE		< 50	< 2	< 2			

Soil - Sub-area 3E

REFERENCE	BoeingParmName	B2E2-8
8260	BENZENE	< 25
OA1	BENZENE	61
8260	ETHYLBENZENE	< 25
OA1	ETHYLBENZENE	97
8260	METHYL TERT-BUTYL ETHER	< 50
OA1	METHYL TERT-BUTYL ETHER	< 10
8260	TOLUENE	< 25
OA1	TOLUENE	30

Soil - Sub-area 3F

REFERENCE	BoeingParmName	B1W2-8
8260	BENZENE	< 5
OA1	BENZENE	< 2
8260	ETHYLBENZENE	< 5
OA1	ETHYLBENZENE	< 2
8260	METHYL TERT-BUTYL ETHER	< 10
OA1	METHYL TERT-BUTYL ETHER	< 2
8260	TOLUENE	< 5
OA1	TOLUENE	< 2

Soil - Sub-area 3G

REFERENCE	BoeingParmName	B2S2-7
8260	BENZENE	J 260
OA1	BENZENE	939
8260	ETHYLBENZENE	1200
OA1	ETHYLBENZENE	1100
8260	METHYL TERT-BUTYL ETHER	< 1250
OA1	METHYL TERT-BUTYL ETHER	180
8260	TOLUENE	5000
OA1	TOLUENE	7600

Soil - Sub-area 3H

REFERENCE	BoeingParmName	B4E3-18
8260	BENZENE	< 5
OA1	BENZENE	< 2
8260	ETHYLBENZENE	< 5
OA1	ETHYLBENZENE	< 2
8260	METHYL TERT-BUTYL ETHER	< 10
OA1	METHYL TERT-BUTYL ETHER	< 2
8260	TOLUENE	< 5
OA1	TOLUENE	< 2

Soil - Area 4

REFERENCE	BoeingParmName	B5E1-6	B5E2-6
8260	1,2,4-TRICHLOROBENZENE	< 5	< 5
8270	1,2,4-TRICHLOROBENZENE	< 417.3	< 414.8
8260	1,2-DICHLOROBENZENE	< 5	< 5
8270	1,2-DICHLOROBENZENE	< 417.3	< 414.8
8260	1,3-DICHLOROBENZENE	< 5	< 5
8270	1,3-DICHLOROBENZENE	< 417.3	< 414.8
8260	1,4-DICHLOROBENZENE	< 5	< 5
8270	1,4-DICHLOROBENZENE	< 417.3	< 414.8
8260	BENZENE	< 5	< 5
OA1	BENZENE	< 2	< 2
8260	ETHYLBENZENE	< 5	< 5
OA1	ETHYLBENZENE	< 2	< 2
8260	HEXACHLOROBUTADIENE	< 10	< 10
8270	HEXACHLOROBUTADIENE	< 417.3	< 414.8
8260	METHYL TERT-BUTYL ETHER	< 10	< 10
OA1	METHYL TERT-BUTYL ETHER	< 2	< 2
8260	NAPHTHALENE	< 10	< 10
8270	NAPHTHALENE	< 417.3	< 414.8
8310	NAPHTHALENE		
8260	TOLUENE	< 5	< 5
OA1	TOLUENE	3.1	< 2

Soil - Area 5

REFERENCE	BoeingParmName	S21B5 10-12
8240	BENZENE	< 6.5
OA1	BENZENE	< 11
8240	ETHYLBENZENE	< 6.5
OA1	ETHYLBENZENE	< 8.8
8240	TOLUENE	< 6.5
OA1	TOLUENE	< 6.3
8240	XYLENES, TOTAL	< 6.5
OA1	XYLENES, TOTAL	< 27

Soil - Sub-area 6C

REFERENCE	BoeingParmName	B27E15-8	B27I12-8	B27I13-6
8021	BENZENE		< 1	< 1
8260B	BENZENE	< 5		
OA1	BENZENE	< 50	< 50	< 50
8021	ETHYLBENZENE		< 1	< 1
8260B	ETHYLBENZENE	< 5		
OA1	ETHYLBENZENE	< 50	< 50	< 50
8260B	METHYL TERT-BUTYL ETHER	< 5		
OA1	METHYL TERT-BUTYL ETHER	< 25	< 25	< 25
8021	TOLUENE		< 1	< 1
8260B	TOLUENE	< 25		
OA1	TOLUENE	< 50	< 50	< 50
8260B	XYLENES, TOTAL	< 15		
OA1	XYLENES, TOTAL	< 50	< 50	< 50

Soil - Sub-area 6D

REFERENCE	BoeingParmName	B27E12-7	B27E13-8	B27E14-6	B27E16-7
8021	BENZENE	< 1			< 1
8260B	BENZENE		< 5	< 5	
OA1	BENZENE	< 50	< 50	< 50	< 50
8021	ETHYLBENZENE	< 1			< 1
8260B	ETHYLBENZENE		< 5	< 5	
OA1	ETHYLBENZENE	< 50	< 50	< 50	< 50
8260B	METHYL TERT-BUTYL ETHER		< 5	< 5	
OA1	METHYL TERT-BUTYL ETHER	< 25	< 25	< 25	< 25
8021	TOLUENE	< 1			< 1
8260B	TOLUENE		< 25	< 25	
OA1	TOLUENE	< 50	< 50	52	< 50
8021	XYLENES, TOTAL				
8260B	XYLENES, TOTAL		< 15	< 15	
OA1	XYLENES, TOTAL	< 50	< 50	< 50	< 50

Soil - Area 9

REFERENCE	BoeingParmName	B10N1-12	B10N1-20	B10W1-8	B11N1-13
8260	1,2,4-TRICHLOROBENZENE	< 5	< 5	< 5	< 5
8270	1,2,4-TRICHLOROBENZENE				< 434.2
8260	1,2-DICHLOROBENZENE	< 5	< 5	< 5	< 5
8270	1,2-DICHLOROBENZENE				< 434.2
8260	1,3-DICHLOROBENZENE	< 5	< 5	< 5	< 5
8270	1,3-DICHLOROBENZENE				< 434.2
8260	1,4-DICHLOROBENZENE	< 5	< 5	< 5	< 5
8270	1,4-DICHLOROBENZENE				< 434.2
8260	BENZENE	< 5	< 5	< 5	< 5
OA1	BENZENE	< 2	< 2	< 2	< 2
8260	ETHYLBENZENE	< 5	< 5	< 5	< 5
OA1	ETHYLBENZENE	< 2	< 2	< 2	< 2
8260	ETHER	< 10	< 10	< 10	< 10
OA1	ETHER	< 2	< 2	< 2	< 2
8260	NAPHTHALENE	J 2.6	< 10	< 10	< 10
8270	NAPHTHALENE				< 434.2
8260	TOLUENE	< 5	< 5	< 5	< 5
OA1	TOLUENE	< 2	< 2	< 2	6.3

Groundwater - Sub-area 2A

SAMP_ID	COLL_DATE	REFERENCE	BENZENE	ETHYL-BENZENE	METHYL TERT-BUTYL ETHER	TOLUENE
B51W1W	7/2/2003	OA1	< 5	< 5	< 5	< 5
B51W1W	7/2/2003	8021	< 2	< 2		< 2
B51W3W	7/24/2003	OA1	< 2	< 5	< 2	< 5
B51W3W	7/24/2003	8260	< 5	< 5	< 10	< 5
B51W4W	7/23/2003	OA1	< 2	< 2	< 2	< 2
B51W4W	7/23/2003	8260	< 5	< 5	< 10	< 5

Groundwater - Sub-area 2B

SAMP_ID	COLL_DATE	REFERENCE	BENZENE	ETHYL-BENZENE	METHYL TERT-BUTYL ETHER	TOLUENE	XYLENES, TOTAL
MW-10S	2/20/2001	8260B	< 1	< 1	< 1	< 1	< 3
MW-10S	2/20/2001	8021/OA1	< 0.5	< 0.5	< 5	< 0.5	< 1.5
MW-11D	2/19/2001	8260B	< 1	< 1	< 1	< 1	< 3
MW-11D	2/19/2001	8021/OA1	< 0.5	< 0.5	< 5	< 0.5	< 1.5
MW-11S	2/20/2001	8260B	< 1	< 1	< 1	< 1	< 3
MW-11S	2/20/2001	8021/OA1	< 0.5	< 0.5	< 5	< 0.5	< 1.5
MW-8I	2/20/2001	OA2					
MW-8I	2/20/2001	8021/OA1	< 0.5	< 0.5	< 5	< 0.5	< 1.5
MW-8S	2/20/2001	8260B	< 1	< 1	3.2	< 1	< 3
MW-8S	2/20/2001	8021/OA1	< 0.5	< 0.5	< 5	< 0.5	< 1.5
MW-9S	2/21/2001	8260B	4.3	< 1	< 1	< 1	< 3
MW-9S	2/21/2001	8021/OA1	6	< 1	< 5	1.2	5.2
TP-4	2/21/2001	8260B	< 1	< 1	< 1	< 1	< 3
TP-4	2/21/2001	8021/OA1	< 0.5	< 1	< 5	< 1	< 3

Groundwater - Sub-area 2C

SAMP_ID	COLL_DATE	REFERENCE	BENZENE	ETHYL-BENZENE	TOLUENE
B48E1W	7/23/2003	OA1	< 2	< 2	< 2
B48E1W	7/23/2003	8260	< 5	< 5	< 5

Groundwater - Sub-area 3A

SAMP_ID	COLL_DATE	REFERENCE	BENZENE	ETHYL-BENZENE	METHYL TERT-BUTYL ETHER	NAPHTHALENE	TOLUENE
B41N1W	11/8/2002	8270C				< 1	
B41N1W	11/8/2002	8021	135	< 5		< 5	< 5
B41S1W	11/7/2002	8270C				< 1	
B41S1W	11/7/2002	8021	< 5	< 5		< 5	< 5
B42N2W	7/23/2003	OA1	< 2	< 2	< 2		< 2
B42N2W	7/23/2003	8260	< 5	< 5	< 10	< 10	< 5
B42N3W	7/23/2003	OA1	< 2	< 2	< 2		< 2
B42N3W	7/23/2003	8260	< 5	< 5	< 10	< 10	< 5
B42N4W	7/23/2003	OA1	< 2	< 2	< 2		< 2
B42N4W	7/23/2003	8260	< 5	< 5	< 10	< 10	< 5
B42N5W	7/23/2003	OA1	3.72	20	24		6.3
B42N5W	7/23/2003	8260	< 5	< 5	< 10	< 10	< 5

Groundwater - Sub-area 3B

SAMP_ID	COLL_DATE	REFERENCE	BENZENE	ETHYLBENZENE	METHYL TERT-BUTYL ETHER	TOLUENE
B42E3W	7/24/2003	OA1	< 2	< 5	< 2	< 5
B42E3W	7/24/2003	8260	< 5	< 5	< 10	< 5

Groundwater - Sub-area 3C

SAMP_ID	COLL_DATE	REFERENCE	BENZENE	ETHYLBENZENE	METHYL TERT-BUTYL ETHER	TOLUENE
B42S3W	7/23/2003	OA1	< 2	< 2	< 2	< 2
B42S3W	7/23/2003	8260	< 5	< 5	< 10	< 5
B42S4W	7/23/2003	OA1	< 2	< 2	< 2	< 2
B42S4W	7/23/2003	8260	< 5	< 5	< 10	< 5
B42S5W	7/22/2003	OA1	1720	< 100	270	800
B42S5W	7/22/2003	8260	< 125	< 125	< 250	< 125
B42S6W	7/22/2003	8260	< 50	< 50	< 100	< 50
B42S6W	7/22/2003	OA1	< 2	3.3	5.2	6.2
B42S6W	7/23/2003	OA1	< 2	< 2	< 2	< 2
B42S6W	7/23/2003	8260	< 5	< 5	< 10	< 5
B42S7W	7/23/2003	OA1	< 2	12	< 2	< 2
B42S7W	7/23/2003	8260	< 5	< 5	< 10	< 5

Groundwater - Sub-area 3D

SAMP_ID	COLL_DATE	REFERENCE	BENZENE	ETHYLBENZENE	METHYL TERT-BUTYL ETHER	NAPHTHALENE	TOLUENE
B2I1W	11/8/2002	8270C				< 10	
B2I1W	11/8/2002	8021	< 5	< 5		< 5	< 5
B2I2W	6/30/2003	OA1	< 5	< 5	< 5		< 5
B2I2W	6/30/2003	8260IX	< 5	< 5	< 10	< 10	< 5
B2N6W	7/24/2003	OA1	2.4	< 5	< 2		< 5
B2N6W	7/24/2003	8260	< 5	< 5	< 10	< 10	< 5
B2N7W	7/24/2003	OA1	< 2	< 5	< 2		< 5
B2N7W	7/24/2003	8260	< 5	< 5	< 10	< 10	< 5
B2W1W	11/8/2002	8270C				< 1	
B2W1W	11/8/2002	8021	6.3	< 5		< 5	< 5
B41E1DW	11/13/2002	8270C				< 1	
B41E1DW	11/13/2002	8021	< 1	< 1		< 1	< 1
B41MW-5	11/1/2002	8270C				< 1	
B41MW-5	11/1/2002	8260B	< 1	< 1	< 1	< 5	< 5
B41MW-7	11/1/2002	8270C				< 1	
B41MW-7	11/1/2002	8260B	< 1	< 1	< 1	< 5	< 5
B41S2W	11/7/2002	8270C				< 1	
B41S2W	11/7/2002	8021	< 5	< 5		< 5	< 5

Groundwater -Sub-area 3E

SAMP_ID	COLL_DATE	REFERENCE	BENZENE	ETHYLBENZENE	METHYL TERT-BUTYL ETHER	TOLUENE
B2E2W	7/24/2003	OA1	< 200	2240	< 200	< 500
B2E2W	7/24/2003	8260	< 500	2700	< 1000	< 500

Groundwater - Sub-area 3F

SAMP_ID	COLL_DATE	REFERENCE	BENZENE	ETHYL-BENZENE	METHYL TERT-BUTYL ETHER	TOLUENE
B1W2W	7/25/2003	OA1	< 2	< 2	< 2	< 2
B1W2W	7/25/2003	8260	< 2	< 5	< 2	< 5

Groundwater - Sub-area 3G

SAMP_ID	COLL_DATE	REFERENCE	BENZENE	ETHYLBENZENE	METHYL TERT-BUTYL ETHER	TOLUENE
B2S2W	7/24/2003	OA1	1270	213	60.2	642
B2S2W	7/24/2003	8260	660	38	57	350

Groundwater - Sub-area 3H

SAMP_ID	COLL_DATE	REFERENCE	1,2,4-TRICHLOROBENZENE	1,2-DICHLOROBENZENE	1,3-DICHLOROBENZENE	1,4-DICHLOROBENZENE	BENZENE	ETHYLBENZENE	HEXACHLOROBUTADIENE	METHYL TERT-BUTYL ETHER	NAPHTHALENE	TOLUENE
B4E3W	7/24/2003	OA1					< 2	< 5		< 2		< 5
B4E3W	7/24/2003	8260	< 5	< 5	< 5	< 5	< 5	< 5	< 10	< 10	< 10	J 2.2
B5MW-22W	7/29/2003	8270	< 10.52	J 2.9	< 10.52	< 10.52			< 10.52		< 10.52	
B5MW-22W	7/29/2003	8260	< 5	J 3	< 5	< 5	< 5	< 5	< 10	< 10	< 10	< 5

Groundwater - Area 4

SAMP_ID	COLL_DATE	REFERENCE	BENZENE	ETHYLBENZENE	METHYL TERT-BUTYL ETHER	TOLUENE
B5E1W	7/24/2003	OA1	< 2	< 5	< 2	< 5
B5E1W	7/24/2003	8260	< 5	< 5	< 10	< 5
B5E2W	7/24/2003	OA1	< 2	< 5	< 2	< 5
B5E2W	7/24/2003	8260	< 5	< 5	< 10	< 5

Groundwater - Sub-area 6B

SAMP_ID	COLL_DATE	REFERENCE	BARIUM	BARIUM, DISSOLVED	BENZENE	ETHYL-BENZENE	METHYL TERT-BUTYL ETHER	TOLUENE	XYLENES, TOTAL
B28MW4W	3/21/2003	8260B			E 140	2.6	< 1	17	9.1
B28MW4W	3/21/2003	8021/OA1			E 120	3.8	E 930	18	10
MW7W	1/9/2001	6010B	750	500					
MW7W	5/9/2001	6010B	620	800					

Groundwater - Sub-area 6C

SAMP_ID	COLL_DATE	REFERENCE	BARIUM, DISSOLVED	BENZENE	ETHYL-BENZENE	TOLUENE
B27E15W	7/25/2003	OA1		< 5	< 5	< 5
B27E15W	7/25/2003	8260B		< 1	< 1	< 5
B27I12W	7/22/2003	OA1		< 5	< 5	< 5
B27I12W	7/22/2003	8021		< 1	< 1	< 1
B27I13W	7/22/2003	OA1		< 5	< 5	< 5
B27I13W	7/22/2003	8021		< 1	< 1	< 1
MW5BSW	12/4/2000	6010B	< 200			
MW5BSW	12/10/2002	6010B	380			

Groundwater - Sub-area 6D

SAMP_ID	COLL_DATE	REFERENCE	BENZENE	ETHYL-BENZENE	METHYL TERT-BUTYL ETHER	TOLUENE	XYLENES, TOTAL
B27E12W	7/2/2003	OA1	< 5	< 5	< 5	< 5	< 5
B27E12W	7/2/2003	8021	< 5	< 5		< 5	
B27E13W	7/25/2003	OA1	< 5	< 5	< 5	< 5	< 5
B27E13W	7/25/2003	8260B	< 1	< 1	< 1	< 5	< 3
B27E14W	7/25/2003	OA1	< 5	< 5	< 5	< 5	< 5
B27E14W	7/25/2003	8260B	< 1	< 1	< 1	< 5	< 3
B27E16W	7/2/2003	OA1	< 5	< 5	< 5	< 5	< 5
B27E16W	7/2/2003	8021	< 1	< 1		< 1	

Groundwater - Area 9

SAMP_ID	COLL_DATE	REFERENCE	1,2,4-TRICHLOROBENZENE	1,2-DICHLOROBENZENE	1,3-DICHLOROBENZENE	1,4-DICHLOROBENZENE	BENZENE	ETHYLBENZENE	HEXACHLOROBUTADIENE	METHYL TERT-BUTYL ETHER	NAPHTHALENE	TOLUENE
B10N1W	7/25/2003	OA1					< 2	< 2		< 2		< 2
B10N1W	7/25/2003	8260	< 5	< 5	< 5	< 5	< 2	< 5	< 5	< 2	< 10	< 5
B10W1W	7/24/2003	OA1					< 2	< 5		< 2		< 5
B10W1W	7/24/2003	8260	< 5	< 5	< 5	< 5	< 5	< 5	< 10	< 10	< 10	< 5
B11N1W	7/24/2003	8270	< 10	< 10	< 10	< 10			< 10		< 10	
B11N1W	7/24/2003	8260	< 5	< 5	< 5	< 5	< 5	< 5	< 10	< 10	< 10	< 5