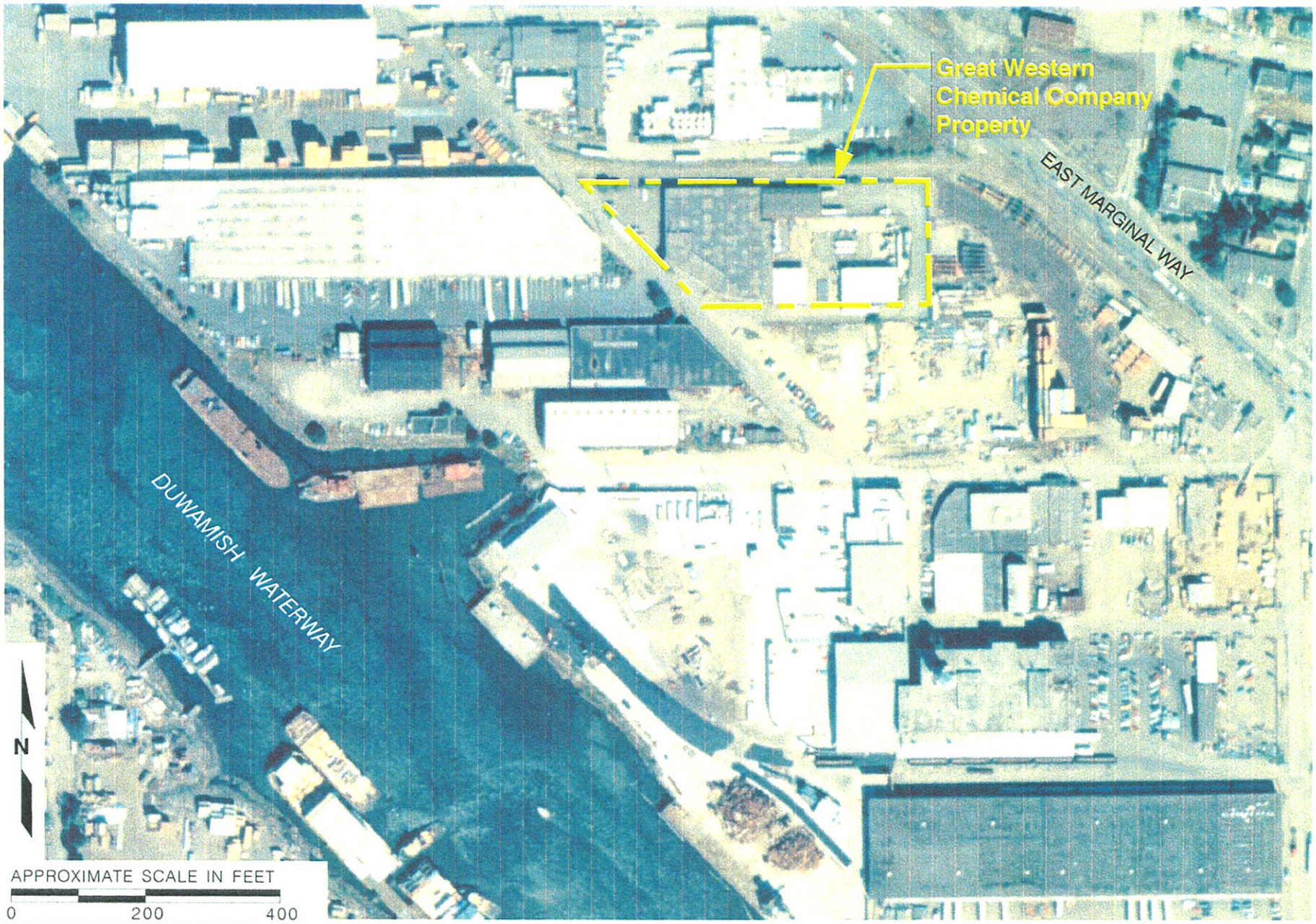


Floyd & Snider Inc.

TERRA VAC

Great Western Chemical Company
Seattle, Washington

Figure 1
Vicinity Map

02/23/00 VicinMapTidal.cdr

Supplemental Investigation
Fox Avenue and S. Myrtle Street

Attachment A

Well Logs

AGENCY REVIEW DRAFT

TERRA VAC

Limited Access

Date Drilled: 7/6/99 **Boring/Well Number:** TW-1 Page 1 of 1

Project: Great Western Chemical Company Project Number: 32-0039

Address: 6900 Fox Avenue South, Seattle, Washington 98188

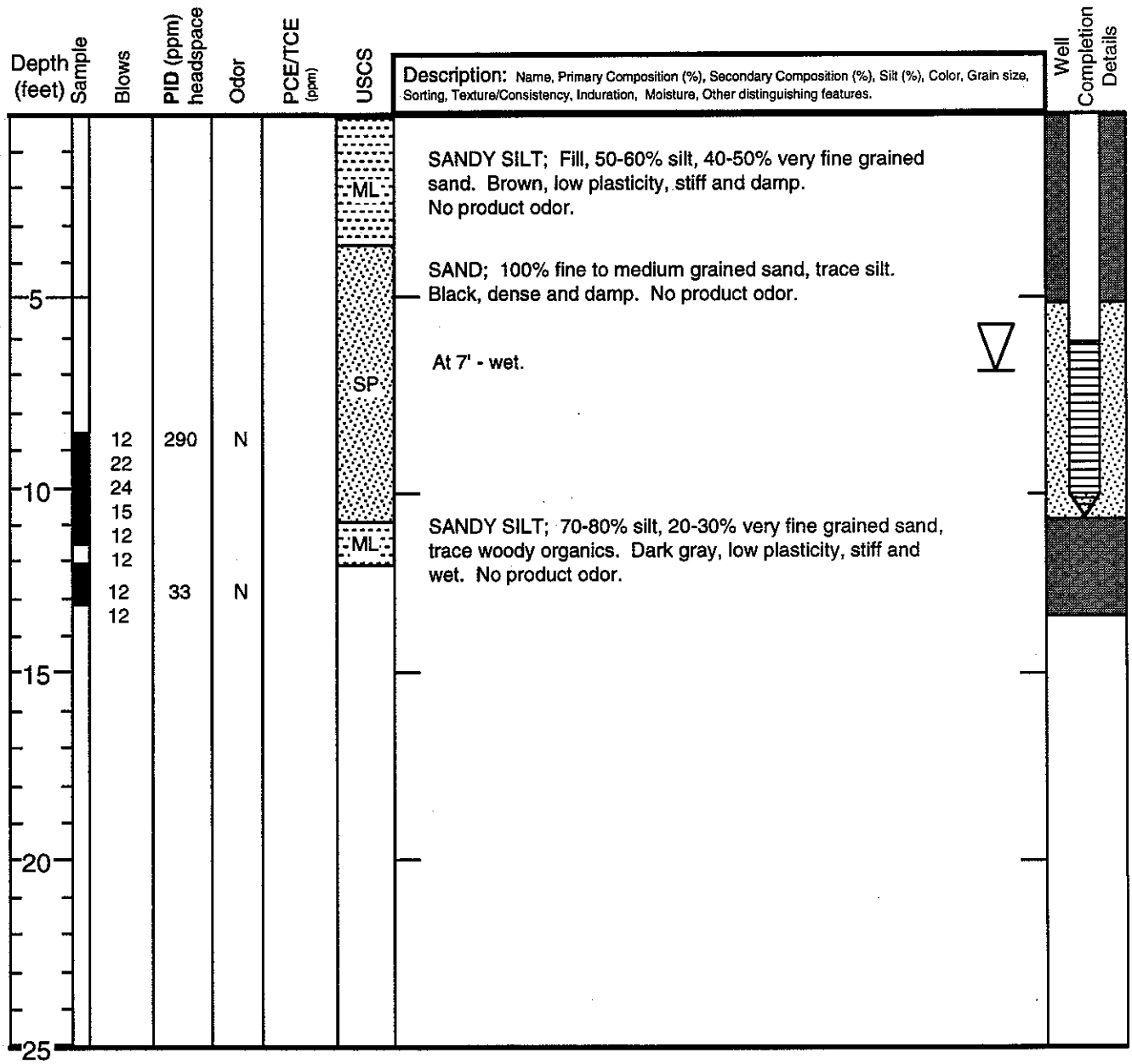
Drilling Contractor: Cascade Drilling, Inc. Log by: J. Orr

Drill Rig: CME-55 Auger Size/Type: HSA Sample Method: Dames & Moore

Total Depth: 13 feet Depth to Groundwater: Approx. 7 feet Backfill or Grout Material: Bentonite

Well Casing/Screen Material: Sch. 40 PVC Filter Material/Size: Lonestar Sand: 2/12

Well A: Casing/Screen Diameter: 2 in. Slot Size: 0.01" Seal: 0-5 feet Screened Interval: 6-11 feet



General Remarks:

- Blow counts are recorded for 6 inches of sampler penetration using a 140 lb hammer unless otherwise specified.
- PCE/TCE = Concentrations Analyzed using Method 8260b for Halogented Volatiles.
- ND = Not detected, or levels were below analytical detection limits. NA = Not Analyzed.

Summary applies only at the boring location at the time of drilling. Subsurface conditions may differ at other locations, and may change at this location with the passage of time. The data presented is a simplification of actual conditions encountered.

TERRA VAC

Limited Access

Date Drilled: 7/6/99 **Boring/Well Number:** TW-2 Page 1 of 1

Project: Great Western Chemical Company Project Number: 32-0039

Address: 6900 Fox Avenue South, Seattle, Washington 98188

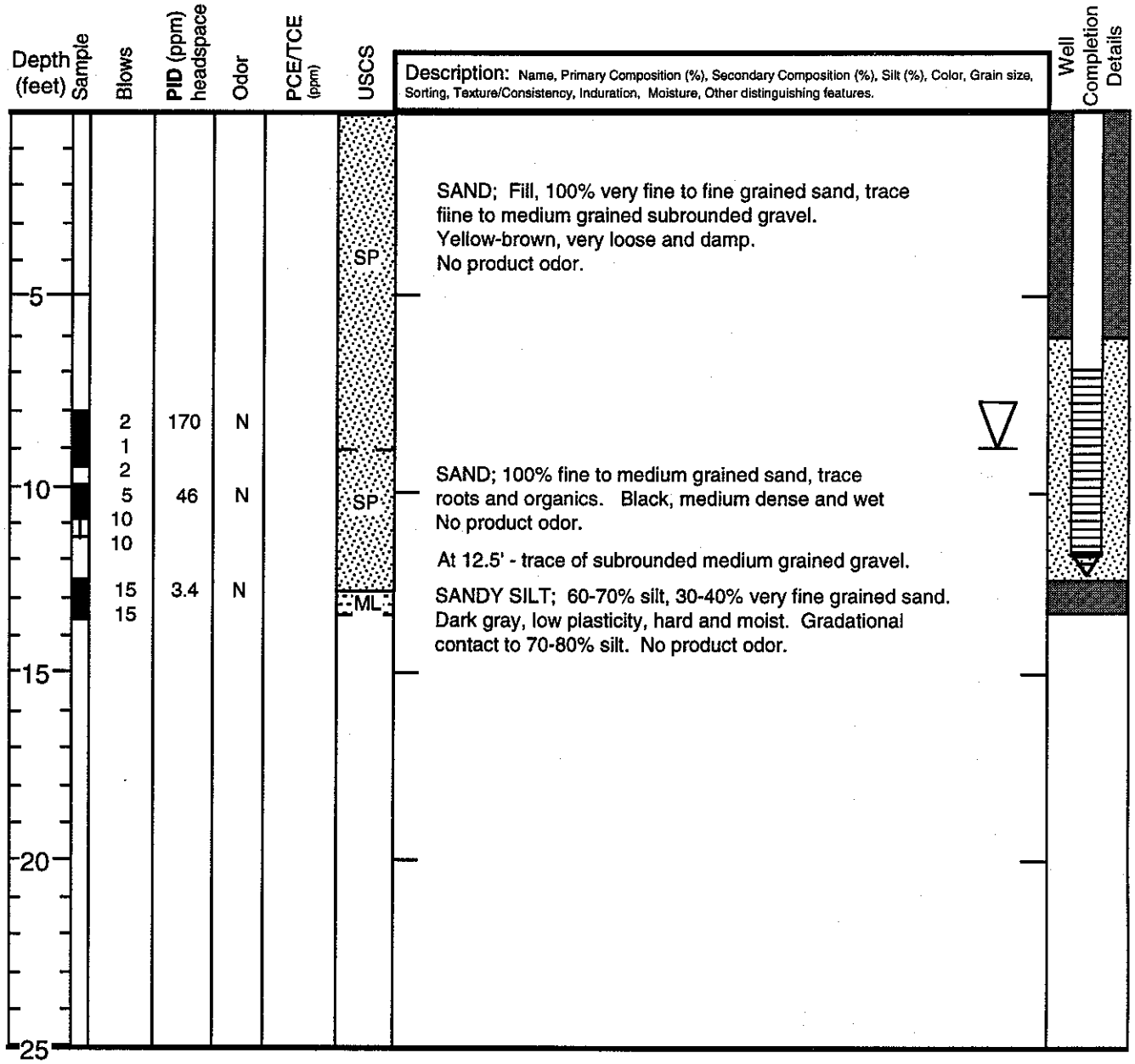
Drilling Contractor: Cascade Drilling, Inc. Log by: J. Orr

Drill Rig: CME-55 Auger Size/Type: HSA Sample Method: Dames & Moore

Total Depth: 13.5 feet Depth to Groundwater: Approx. 9 feet Backfill or Grout Material: Bentonite

Well Casing/Screen Material: Sch. 40 PVC Filter Material/Size: Lonestar Sand: 2/12

Well A: Casing/Screen Diameter: 2 in. Slot Size: 0.01" Seal: 0-6 feet Screened Interval: 7-12 feet



General Remarks:

- Blow counts are recorded for 6 inches of sampler penetration using a 140 lb hammer unless otherwise specified.
- PCE/TCE = Concentrations Analyzed using Method 8260b for Halogented Volatiles.
- ND = Not detected, or levels were below analytical detection limits. NA = Not Analyzed.

Summary applies only at the boring location at the time of drilling. Subsurface conditions may differ at other locations, and may change at this location with the passage of time. The data presented is a simplification of actual conditions encountered.

TERRA VAC
Limited Access

Date Drilled: 7/6/99 **Boring/Well Number:** TW-3 Page 1 of 1

Project: Great Western Chemical Company Project Number: 32-0039

Address: 6900 Fox Avenue South, Seattle, Washington 98188

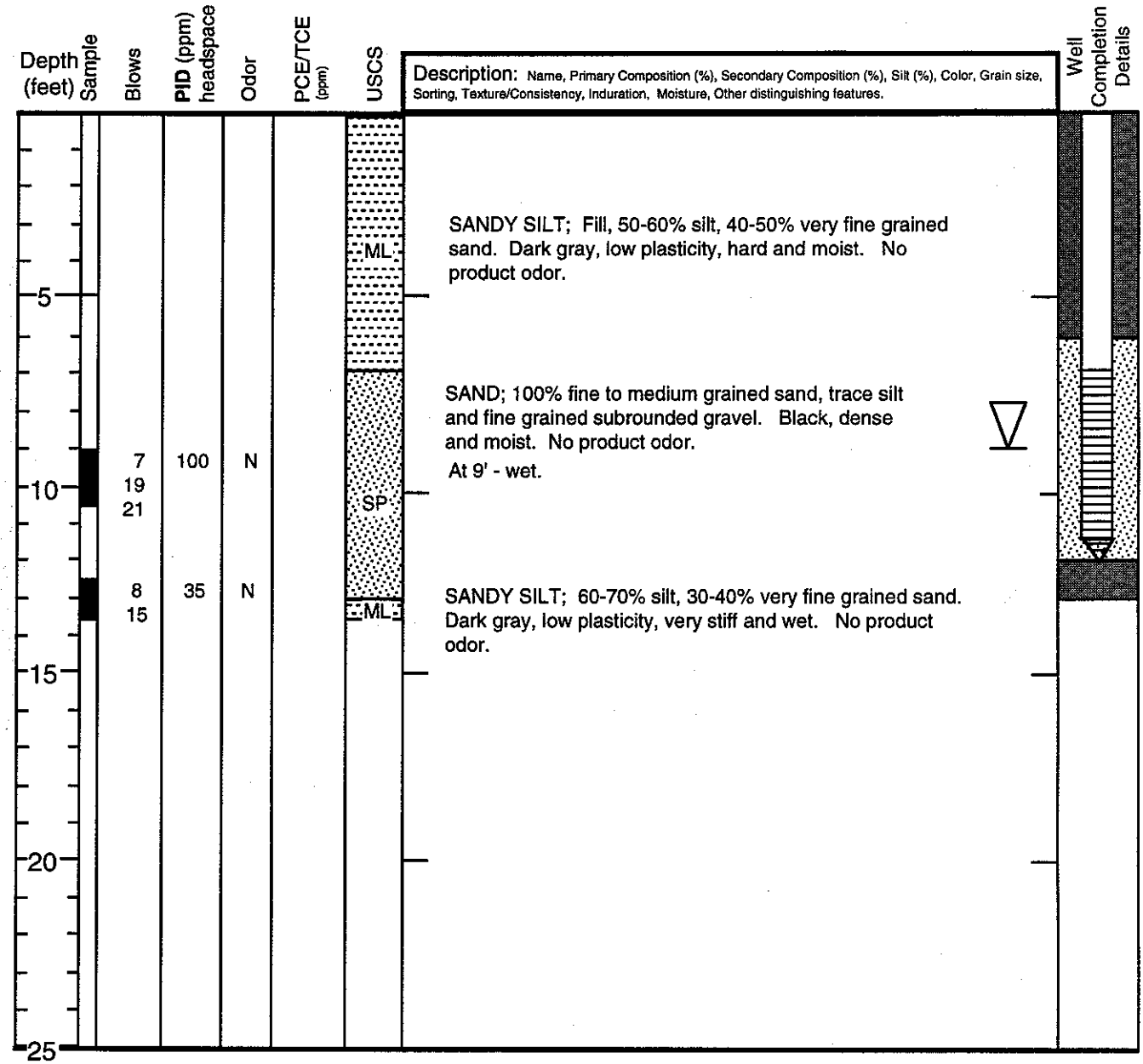
Drilling Contractor: Cascade Drilling, Inc. Log by: J. Orr

Drill Rig: CME-55 Auger Size/Type: HSA Sample Method: Dames & Moore

Total Depth: 13.5 feet Depth to Groundwater: Approx. 9 feet Backfill or Grout Material: Bentonite

Well Casing/Screen Material: Sch. 40 PVC Filter Material/Size: Lonestar Sand: 2/12

Well A: Casing/Screen Diameter: 2 in. Slot Size: 0.01" Seal: 0-6 feet Screened Interval: 7-12 feet



General Remarks:

- Blow counts are recorded for 6 inches of sampler penetration using a 140 lb hammer unless otherwise specified.
- PCE/TCE = Concentrations Analyzed using Method 8260b for Halogented Volatiles.
- ND = Not detected, or levels were below analytical detection limits. NA = Not Analyzed.

Summary applies only at the boring location at the time of drilling. Subsurface conditions may differ at other locations, and may change at this location with the passage of time. The data presented is a simplification of actual conditions encountered.

TERRA VAC

Limited Access

Date Drilled: 7/7/99 **Boring/Well Number:** TW-5 Page 1 of 1

Project: Great Western Chemical Company Project Number: 32-0039

Address: 6900 Fox Avenue South, Seattle, Washington 98188

Drilling Contractor: Cascade Drilling, Inc. Log by: J. Orr

Drill Rig: CME-55 Auger Size/Type: HSA Sample Method: Mod. Cal.

Total Depth: 16.5 feet Depth to Groundwater: Approx. 9 feet Backfill or Grout Material: Bentonite

Well Casing/Screen Material: Sch. 40 PVC Filter Material/Size: Lonestar Sand: 2/12

Well A: Casing/Screen Diameter: 2 in. Slot Size: 0.01" Seal: 0-6 feet Screened Interval: 7-12 feet

Depth (feet)	Sample	Blows	PID (ppm) headspace	Odor	PCE/TCE (ppm)	USCS	Description: Name, Primary Composition (%), Secondary Composition (%), Silt (%), Color, Grain size, Sorting, Texture/Consistency, Induration, Moisture, Other distinguishing features.
						GP	ASPHALT; 2" thick. SANDY GRAVEL; Fill, 80-90% fine to coarse grained gravel, 10-20% sand, trace silt. Brown, dense and damp. No product odor.
						ML	SANDY SILT; Fill, 60-70% silt, 30-40% very fine grained sand, trace clay. Brown, low plasticity, very stiff and moist. Dendritic iron oxide veinlets. No product odor.
5				N			
						SP	SAND; 100% fine to medium grained sand, trace silt, trace fine grained subrounded gravel. Black, medium dense and moist to wet. No product odor.
		8 12 15	12	N			
10							
		8 13 20	33	N		SP	SAND; 100% very fine to fine grained sand, trace silt. Very dark gray, hard and wet. Sandy silt to sandy clay 1-1.5" thick stringers, no observable horizontal bedding - dark gray color. No product odor.
15		19 25 30	168	N		SP	SAND; 100% fine to medium grained sand, trace silt, trace fwood fragments (0.5" thich tree limb). Black, very dense and wet. 0.5" to 1" thick dark gray to brown sandy silt to sandy clay stringers. No product odor.
20							
25							

Well Completion Details

General Remarks:

- Blow counts are recorded for 6 inches of sampler penetration using a 140 lb hammer unless otherwise specified.
- PCE/TCE = Concentrations Analyzed using Method 8260b for Halogented Volatiles.
- ND = Not detected, or levels were below analytical detection limits. NA = Not Analyzed.

Summary applies only at the boring location at the time of drilling. Subsurface conditions may differ at other locations, and may change at this location with the passage of time. The data presented is a simplification of actual conditions encountered.

TERRA VAC

Date Drilled: 7/8/99 **Boring/Well Number:** TW-6 Page 1 of 1

Project: Great Western Chemical Company Project Number: 32-0039

Address: 6900 Fox Avenue South, Seattle, Washington 98188

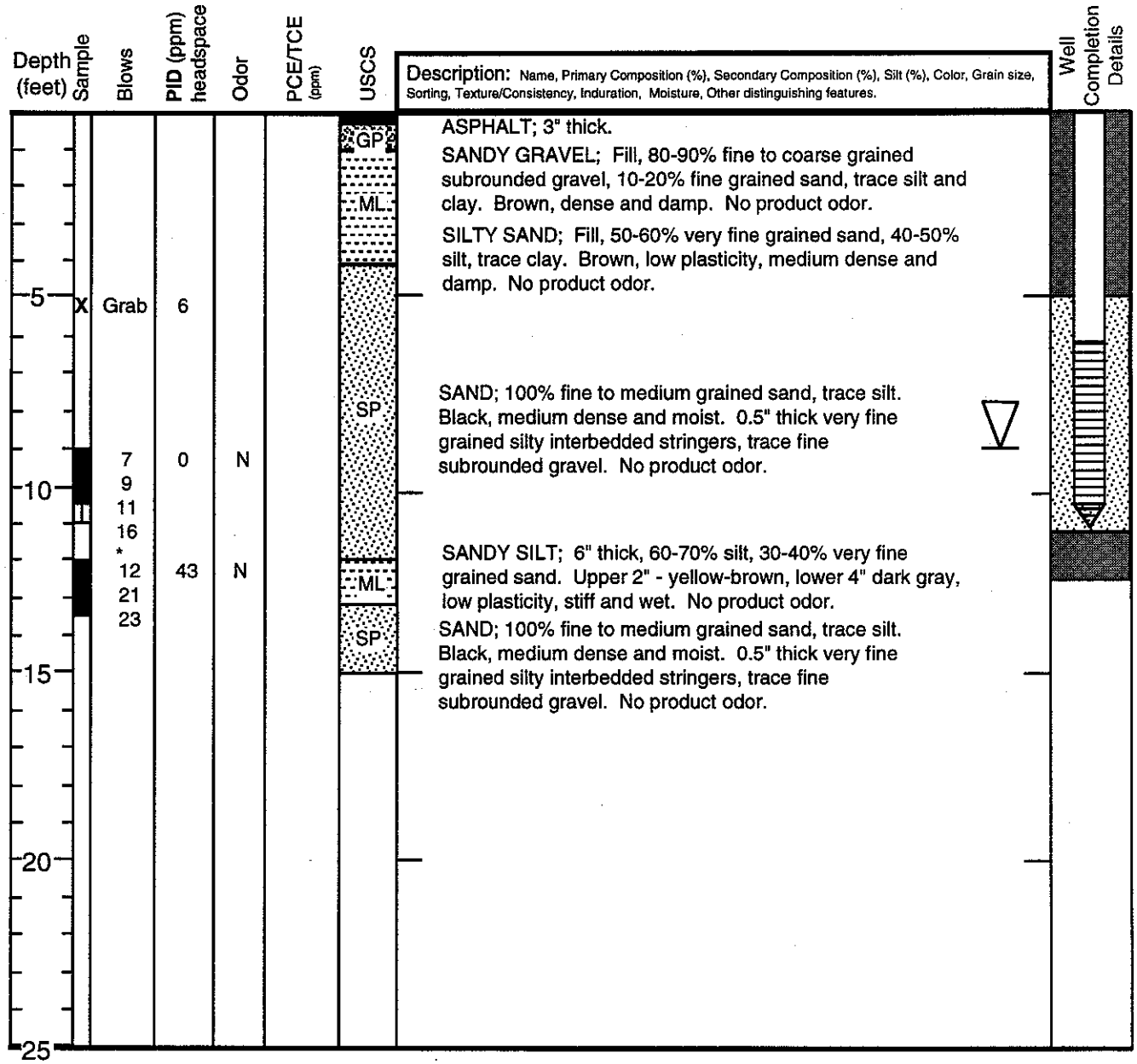
Drilling Contractor: Cascade Drilling, Inc. Log by: J. Orr

Drill Rig: CME-55 Auger Size/Type: HSA Sample Method: Mod. Cal/Std. Pen.

Total Depth: 13.5 feet Depth to Groundwater: Approx. 9 feet Backfill or Grout Material: Bentonite

Well Casing/Screen Material: Sch. 40 PVC Filter Material/Size: Lonestar Sand: 2/12

Well A: Casing/Screen Diameter: 2 in. Slot Size: 0.01" Seal: 0-5 feet Screened Interval: 6-11 feet



General Remarks:

- Blow counts are recorded for 6 inches of sampler penetration using a 140 lb hammer unless otherwise specified.
- PCE/TCE = Concentrations Analyzed using Method 8260b for Halogented Volatiles.
- ND = Not detected, or levels were below analytical detection limits. NA = Not Analyzed.

* Note - 9' sample with Standar Penetration - not Dames & Moore.

Summary applies only at the boring location at the time of drilling. Subsurface conditions may differ at other locations, and may change at this location with the passage of time. The data presented is a simplification of actual conditions encountered.

TERRA VAC

Date Drilled: 7/8/99 **Boring/Well Number:** TW-7 Page 1 of 1

Project: Great Western Chemical Company Project Number: 32-0039

Address: 6900 Fox Avenue South, Seattle, Washington 98188

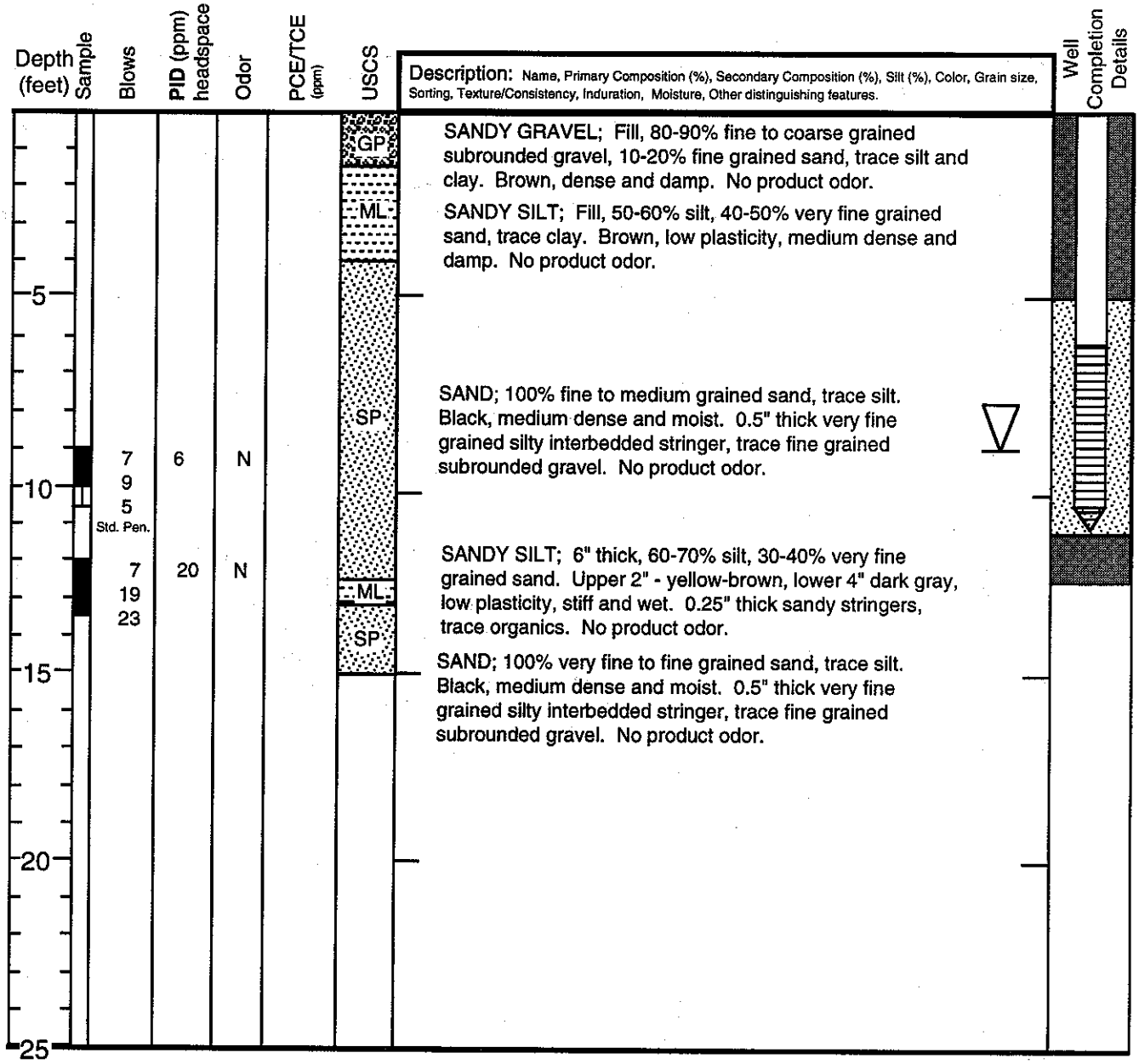
Drilling Contractor: Cascade Drilling, Inc. Log by: J. Orr

Drill Rig: CME-55 Auger Size/Type: HSA Sample Method: Mod. Cal./Std. Pen.

Total Depth: 13.5 feet Depth to Groundwater: Approx. 9 feet Backfill or Grout Material: Bentonite

Well Casing/Screen Material: Sch. 40 PVC Filter Material/Size: Lonestar Sand: 2/12

Well A: Casing/Screen Diameter: 2 in. Slot Size: 0.01" Seal: 0-5 feet Screened Interval: 6-11 feet



General Remarks:

- Blow counts are recorded for 6 inches of sampler penetration using a 140 lb hammer unless otherwise specified.
- PCE/TCE = Concentrations Analyzed using Method 8260b for Halogented Volatiles.
- ND = Not detected, or levels were below analytical detection limits. NA = Not Analyzed.

Summary applies only at the boring location at the time of drilling. Subsurface conditions may differ at other locations, and may change at this location with the passage of time. The data presented is a simplification of actual conditions encountered.

TERRA VAC
Limited Access

Date Drilled: 3/28/92 **Boring/Well Number:** B-20 Page 1 of 1

Project: Great Western Chemical Company Project Number: 32-0039

Address: 6900 Fox Avenue South, Seattle, Washington 98188

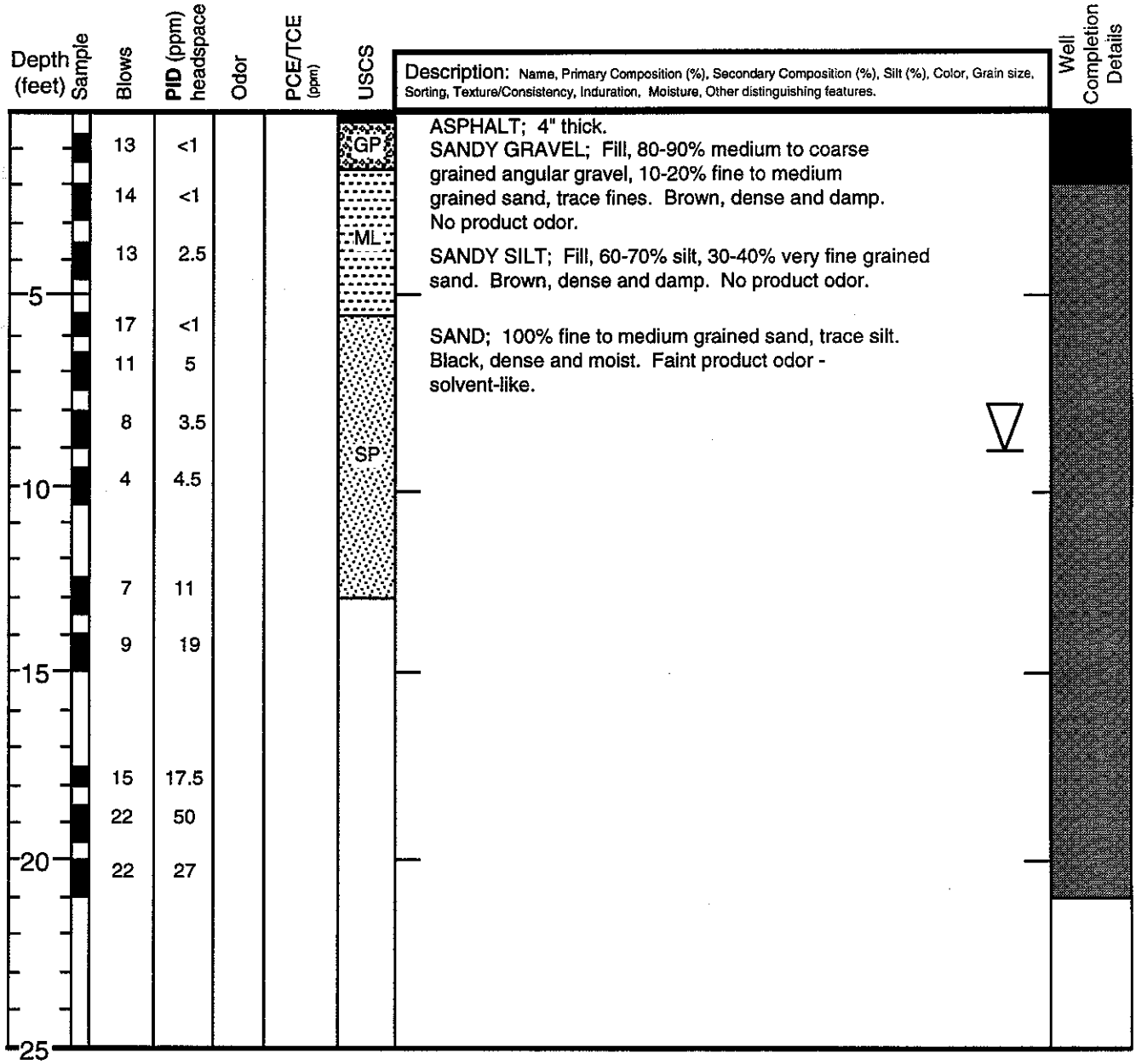
Drilling Contractor: Cascade Drilling, Inc. Log by: J. Orr

Drill Rig: CME-55 Auger Size/Type: 10" HSA Sample Method: NA

Total Depth: 21 feet Depth to Groundwater: Approx. 9 feet Backfill or Grout Material: Bentonite

Well Casing/Screen Material: Sch. 40 PVC Filter Material/Size: Lonestar Sand: 2/12

Well A: Casing/Screen Diameter: NA. Slot Size: NA Seal: 2 feet Screened Interval: NA



General Remarks:

- Blow counts are recorded for 6 inches of sampler penetration using a 140 lb hammer unless otherwise specified.
- PCE/TCE = Concentrations Analyzed using Method 8260b for Halogented Volatiles.
- ND = Not detected, or levels were below analytical detection limits. NA = Not Analyzed.

Note: Soil description from B-20A.
Decommisioned 9/10/99

Summary applies only at the boring location at the time of drilling. Subsurface conditions may differ at other locations, and may change at this location with the passage of time. The data presented is a simplification of actual conditions encountered.

TERRA VAC

Limited Access

Date Drilled: 9/10/99 **Boring/Well Number: B-20A** Page 1 of 1

Project: Great Western Chemical Company Project Number: 32-0039

Address: 6900 Fox Avenue South, Seattle, Washington 98188

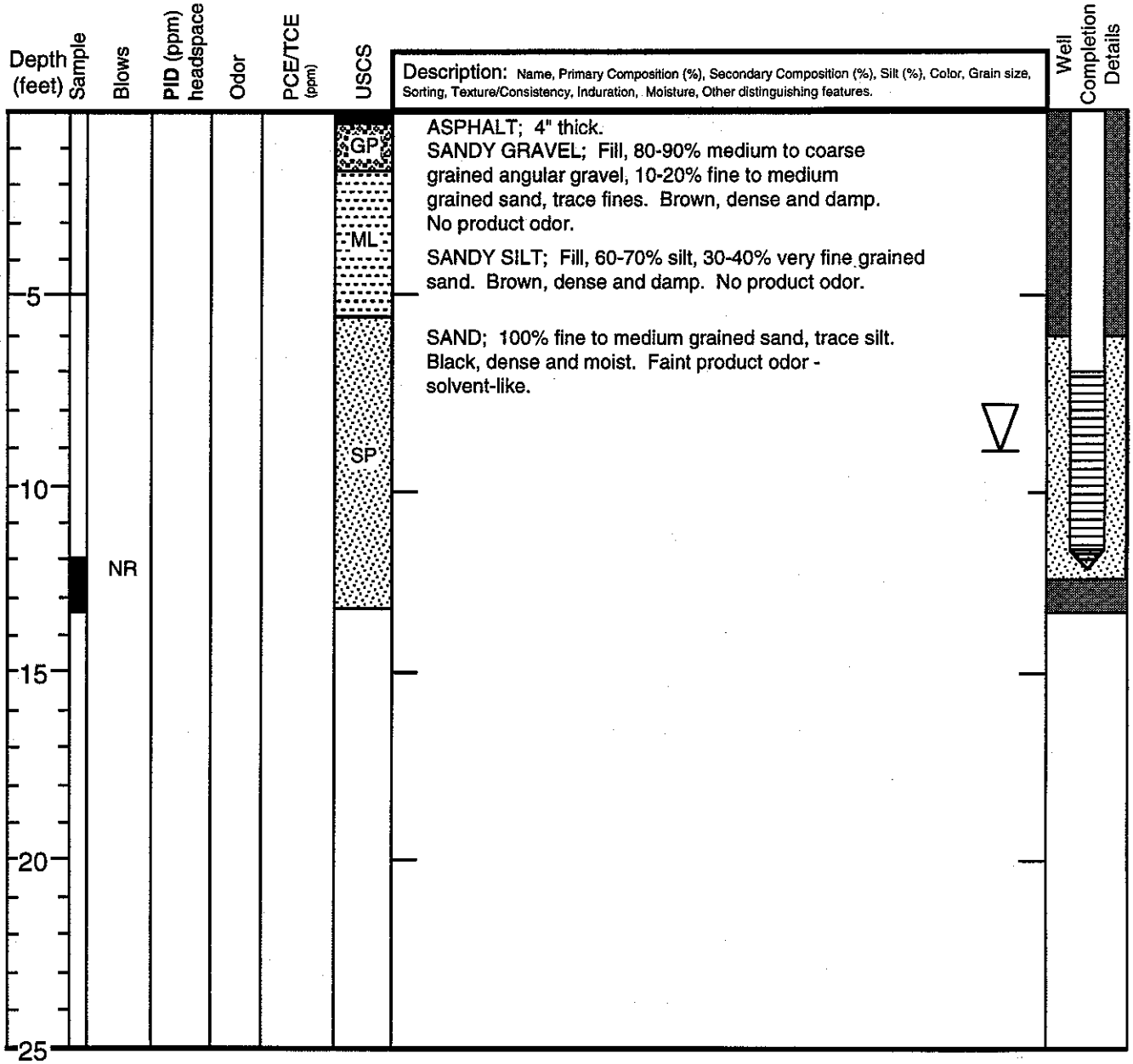
Drilling Contractor: Cascade Drilling, Inc. Log by: J. Orr

Drill Rig: CME-55 Auger Size/Type: HSA Sample Method: Mod - Cal

Total Depth: 13.5 feet Depth to Groundwater: Approx. 9 feet Backfill or Grout Material: Bentonite

Well Casing/Screen Material: Sch. 40 PVC Filter Material/Size: Lonestar Sand: 2/12

Well A: Casing/Screen Diameter: 2 in. Slot Size: 0.01" Seal: 0-6 feet Screened Interval: 7-12 feet



General Remarks:

- Blow counts are recorded for 6 inches of sampler penetration using a 140 lb hammer unless otherwise specified.
- PCE/TCE = Concentrations Analyzed using Method 8260b for Halogented Volatiles.
- ND = Not detected, or levels were below analytical detection limits. NA = Not Analyzed. NR = Not Recorded.

Summary applies only at the boring location at the time of drilling. Subsurface conditions may differ at other locations, and may change at this location with the passage of time. The data presented is a simplification of actual conditions encountered.

TERRA VAC

Date Drilled: 7/7/99 **Boring/Well Number: B-58** Page 1 of 1

Project: Great Western Chemical Company Project Number: 32-0039

Address: 6900 Fox Avenue South, Seattle, Washington 98188

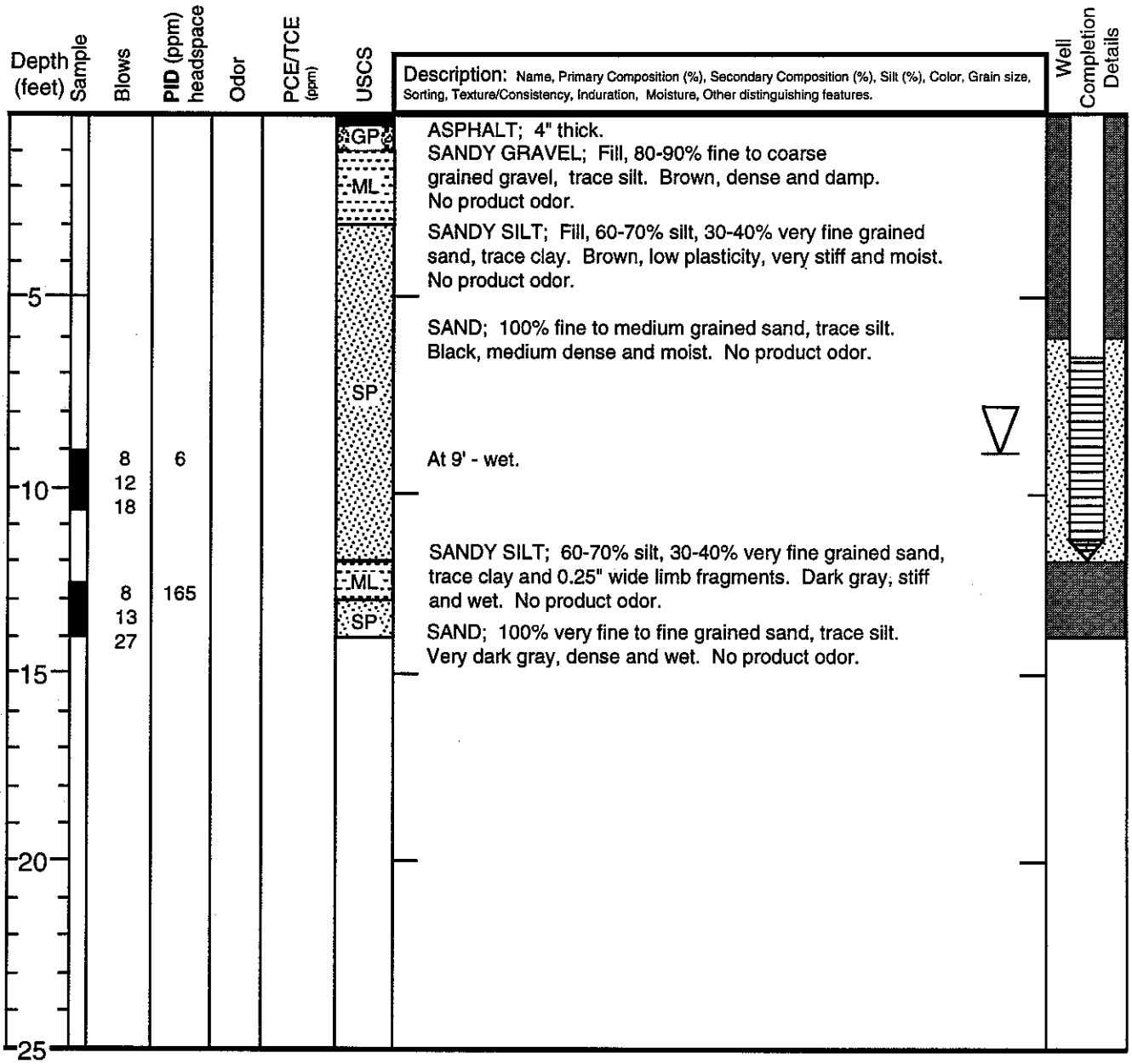
Drilling Contractor: Cascade Drilling, Inc. Log by: J. Orr

Drill Rig: CME-55 Auger Size/Type: HSA Sample Method: Mod - Cal

Total Depth: 14 feet Depth to Groundwater: 9 feet Backfill or Grout Material: Bentonite

Well Casing/Screen Material: Sch. 40 PVC Filter Material/Size: Lonestar Sand: 2/12

Well A: Casing/Screen Diameter: 2 in. Slot Size: 0.01" Seal: 0-6 feet Screened Interval: 7-12 feet



General Remarks:

- Blow counts are recorded for 6 inches of sampler penetration using a 140 lb hammer unless otherwise specified.
- PCE/TCE = Concentrations Analyzed using Method 8260b for Halogented Volatiles.
- ND = Not detected, or levels were below analytical detection limits. NA = Not Analyzed.

Summary applies only at the boring location at the time of drilling. Subsurface conditions may differ at other locations, and may change at this location with the passage of time. The data presented is a simplification of actual conditions encountered.

TERRA VAC

Limited Access

Date Drilled: 7/9/99 **Boring/Well Number:** B-59 Page 1 of 2

Project: Great Western Chemical Company Project Number: 32-0039

Address: 6900 Fox Avenue South, Seattle, Washington 98188

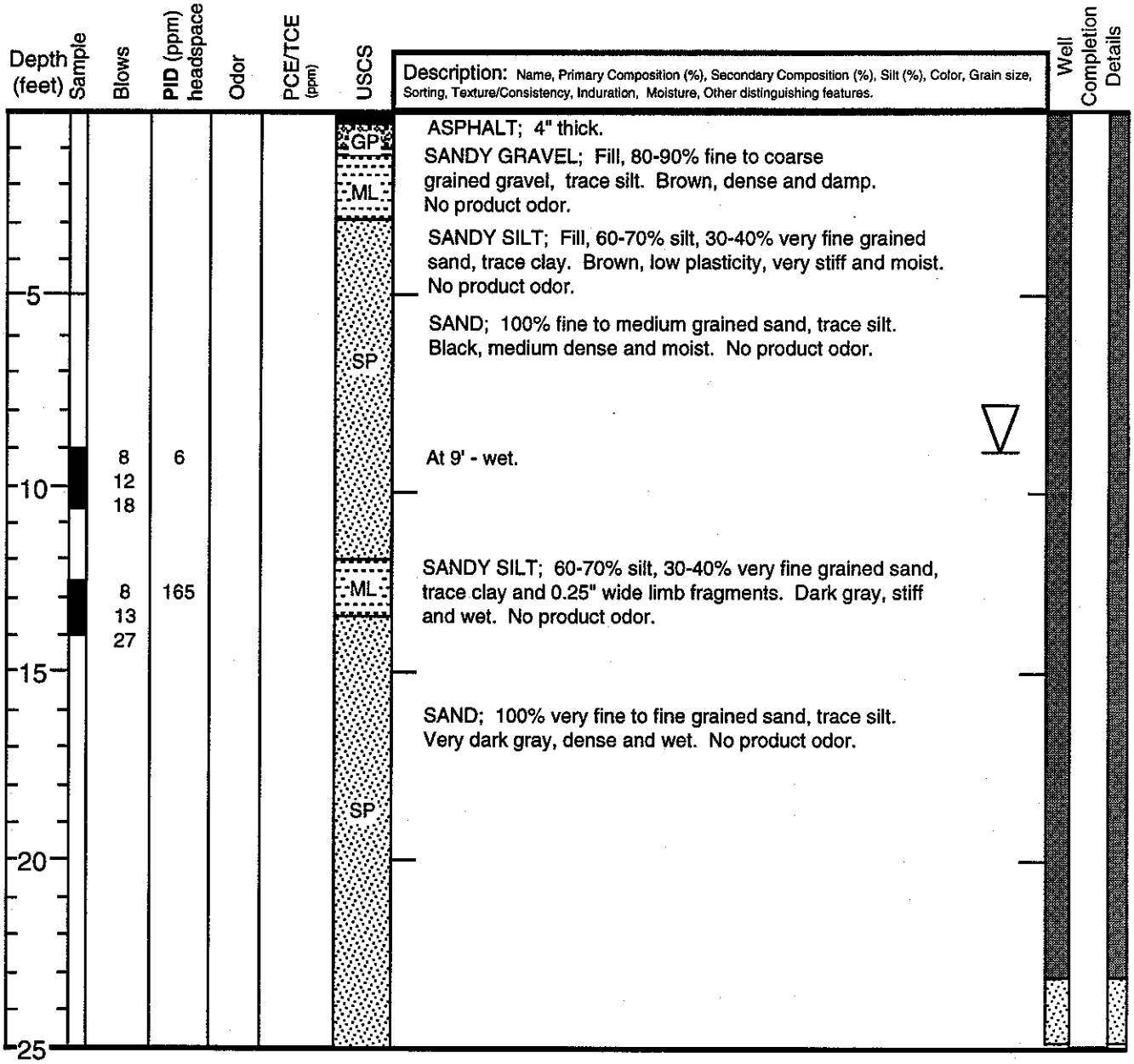
Drilling Contractor: Cascade Drilling, Inc. Log by: J. Orr

Drill Rig: CME-55 Auger Size/Type: HSA Sample Method: Mod - Cal / Std. Pen.

Total Depth: 35 feet Depth to Groundwater: 9 feet Backfill or Grout Material: Bentonite

Well Casing/Screen Material: Sch. 40 PVC Filter Material/Size: Lonestar Sand: 2/12

Well A: Casing/Screen Diameter: 2 in. Slot Size: 0.01" Seal: 0-23 feet Screened Interval: 25-30 feet



General Remarks:

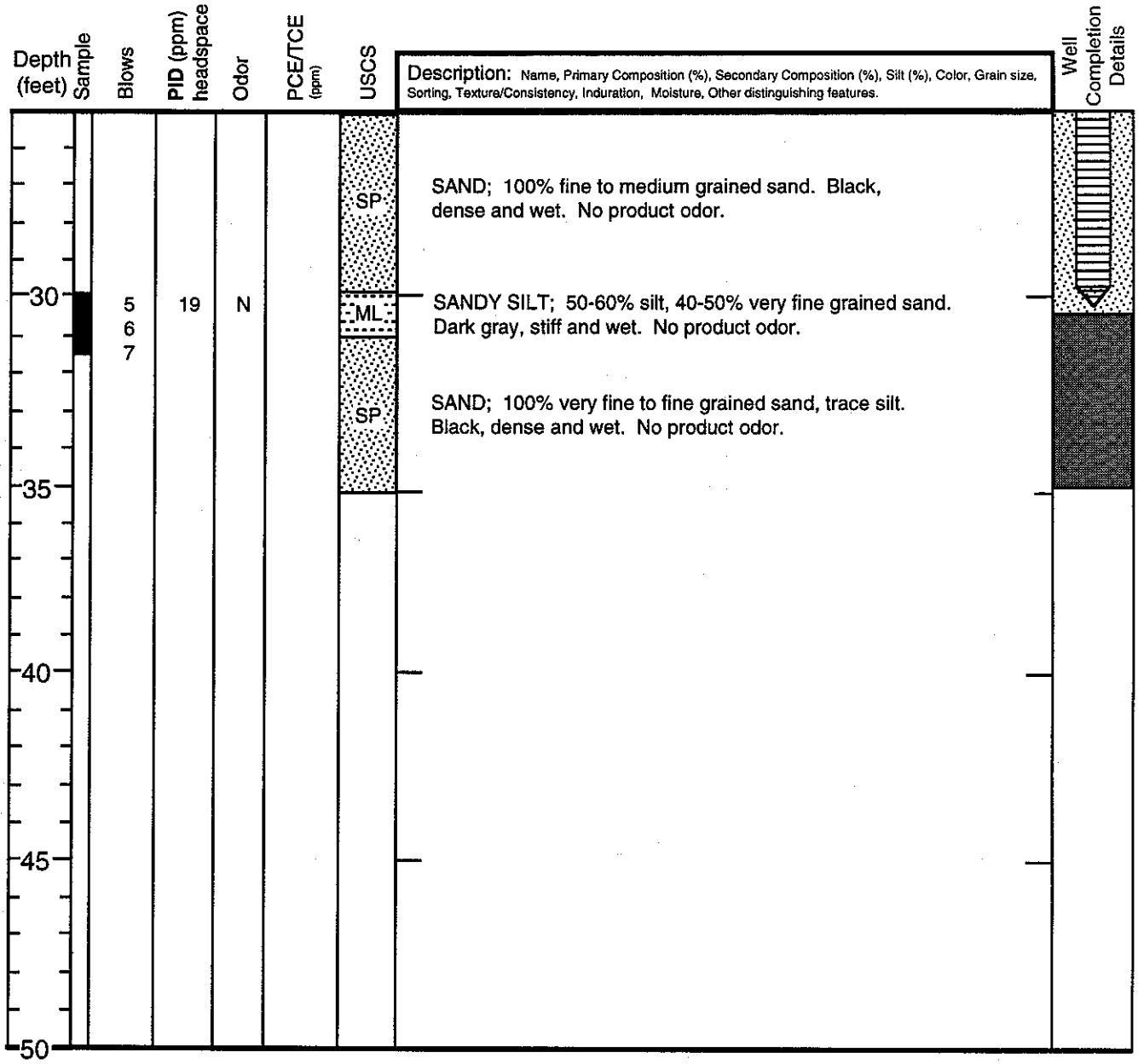
- Blow counts are recorded for 6 inches of sampler penetration using a 140 lb hammer unless otherwise specified.
- PCE/TCE = Concentrations Analyzed using Method 8260b for Halogented Volatiles.
- ND = Not detected, or levels were below analytical detection limits. NA = Not Analyzed.

Summary applies only at the boring location at the time of drilling. Subsurface conditions may differ at other locations, and may change at this location with the passage of time. The data presented is a simplification of actual conditions encountered.

TERRA VAC

Date Drilled: 7/9/99 **Boring/Well Number: B-59** Page 2 of 2

Project: Great Western Chemical Company Project Number: 32-0039



Summary applies only at the boring location at the time of drilling. Subsurface conditions may differ at other locations, and may change at this location with the passage of time. The data presented is a simplification of actual conditions encountered.

TERRA VAC

Limited Access

Date Drilled: 7/7/99 **Boring/Well Number:** B-60 Page 1 of 1

Project: Great Western Chemical Company Project Number: 32-0039

Address: 6900 Fox Avenue South, Seattle, Washington 98188

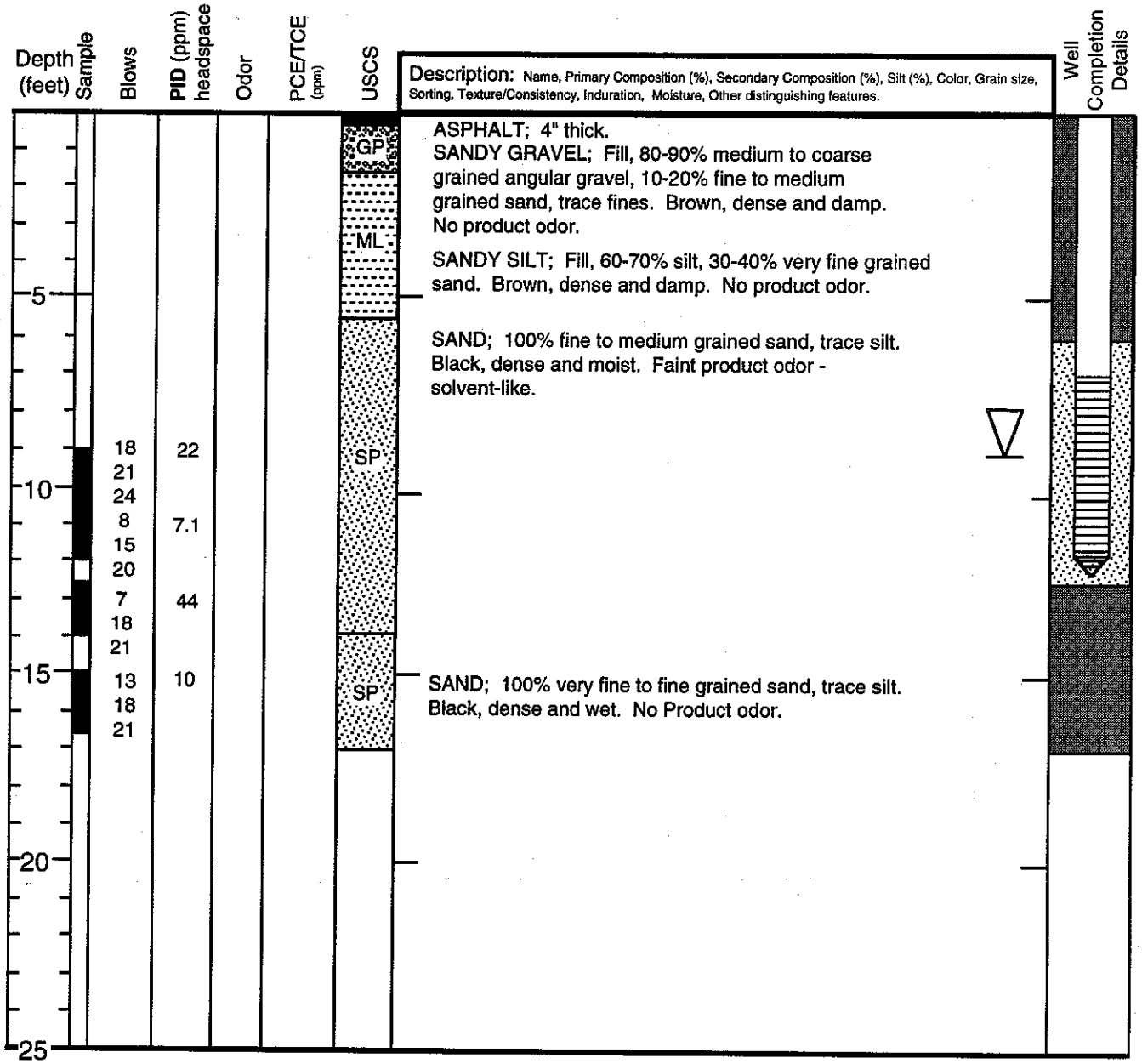
Drilling Contractor: Cascade Drilling, Inc. Log by: J. Orr

Drill Rig: CME-55 Auger Size/Type: HSA Sample Method: Mod - Cal

Total Depth: 16.5 feet Depth to Groundwater: Approx. 9 feet Backfill or Grout Material: Bentonite

Well Casing/Screen Material: Sch. 40 PVC Filter Material/Size: Lonestar Sand: 2/12

Well A: Casing/Screen Diameter: 2 in. Slot Size: 0.01" Seal: 0-6 feet Screened Interval: 7-12 feet



General Remarks:

- Blow counts are recorded for 6 inches of sampler penetration using a 140 lb hammer unless otherwise specified.
- PCE/TCE = Concentrations Analyzed using Method 8260b for Halogented Volatiles.
- ND = Not detected, or levels were below analytical detection limits. NA = Not Analyzed.

Summary applies only at the boring location at the time of drilling. Subsurface conditions may differ at other locations, and may change at this location with the passage of time. The data presented is a simplification of actual conditions encountered.

TERRA VAC

Limited Access

Date Drilled: 7/9/99 **Boring/Well Number: B-61** Page 1 of 2

Project: Great Western Chemical Company Project Number: 32-0039

Address: 6900 Fox Avenue South, Seattle, Washington 98188

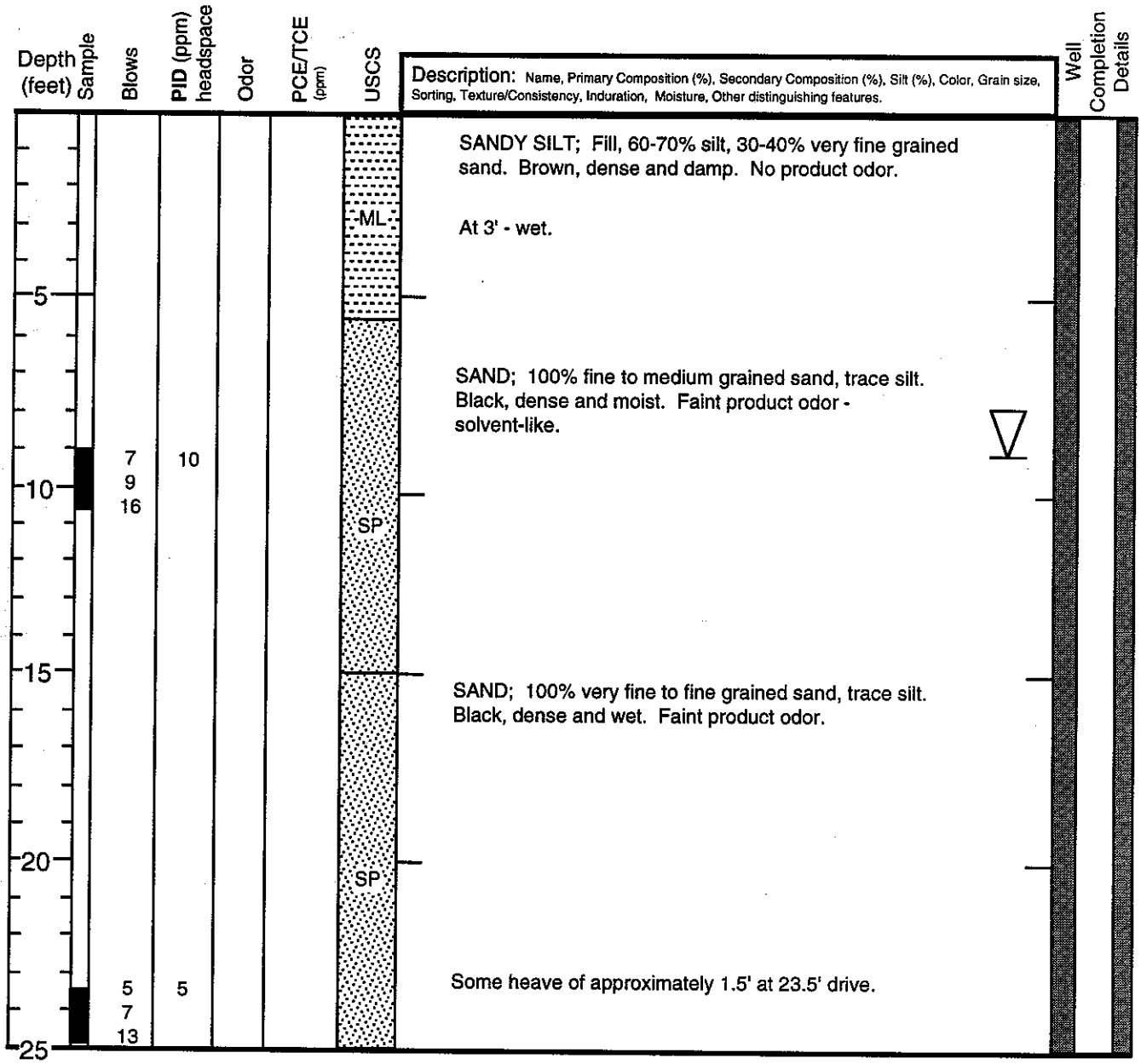
Drilling Contractor: Cascade Drilling, Inc. Log by: J. Orr

Drill Rig: CME-55 Auger Size/Type: 8 HSA Sample Method: Mod - Cal / Std. Pen.

Total Depth: 45 feet Depth to Groundwater: Approx. 9 feet Backfill or Grout Material: Bentonite

Well Casing/Screen Material: Sch. 40 PVC Filter Material/Size: Lonestar Sand: 2/12

Well A: Casing/Screen Diameter: 2 in. Slot Size: 0.01" Seal: 0-37 feet Screened Interval: 39-44 feet



General Remarks:

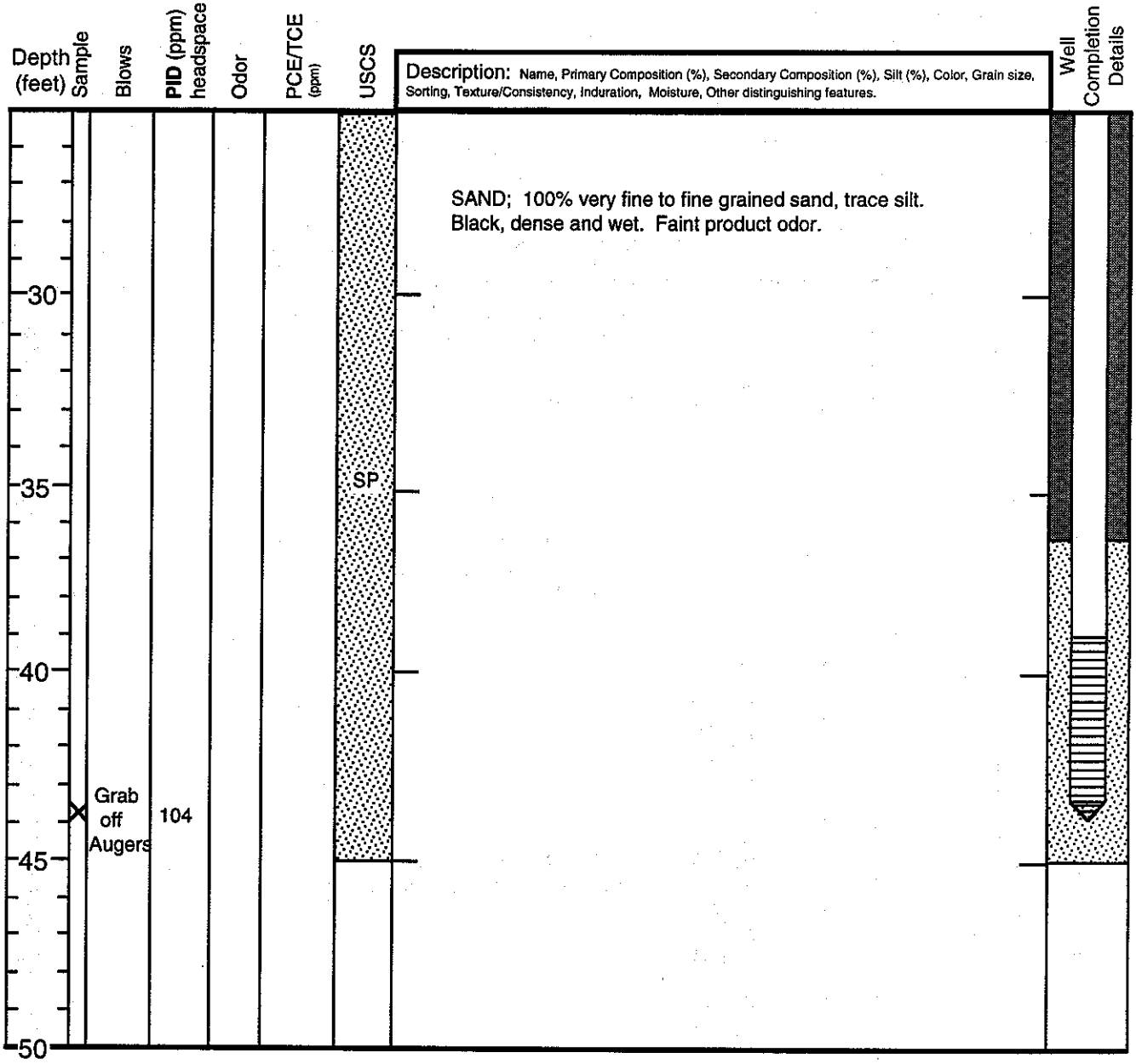
- Blow counts are recorded for 6 inches of sampler penetration using a 140 lb hammer unless otherwise specified.
- PCE/TCE = Concentrations Analyzed using Method 8260b for Halogented Volatiles.
- ND = Not detected, or levels were below analytical detection limits. NA = Not Analyzed.

Summary applies only at the boring location at the time of drilling. Subsurface conditions may differ at other locations, and may change at this location with the passage of time. The data presented is a simplification of actual conditions encountered.

TERRA VAC

Date Drilled: 7/9/99 **Boring/Well Number:** B-61 Page 2 of 2

Project: Great Western Chemical Company Project Number: 32-0039



Summary applies only at the boring location at the time of drilling. Subsurface conditions may differ at other locations, and may change at this location with the passage of time. The data presented is a simplification of actual conditions encountered.

TERRA VAC

Limited Access

Date Drilled: 7/7/99 **Boring/Well Number:** TW-4/B-62 Page 1 of 1

Project: Great Western Chemical Company Project Number: 32-0039

Address: 6900 Fox Avenue South, Seattle, Washington 98188

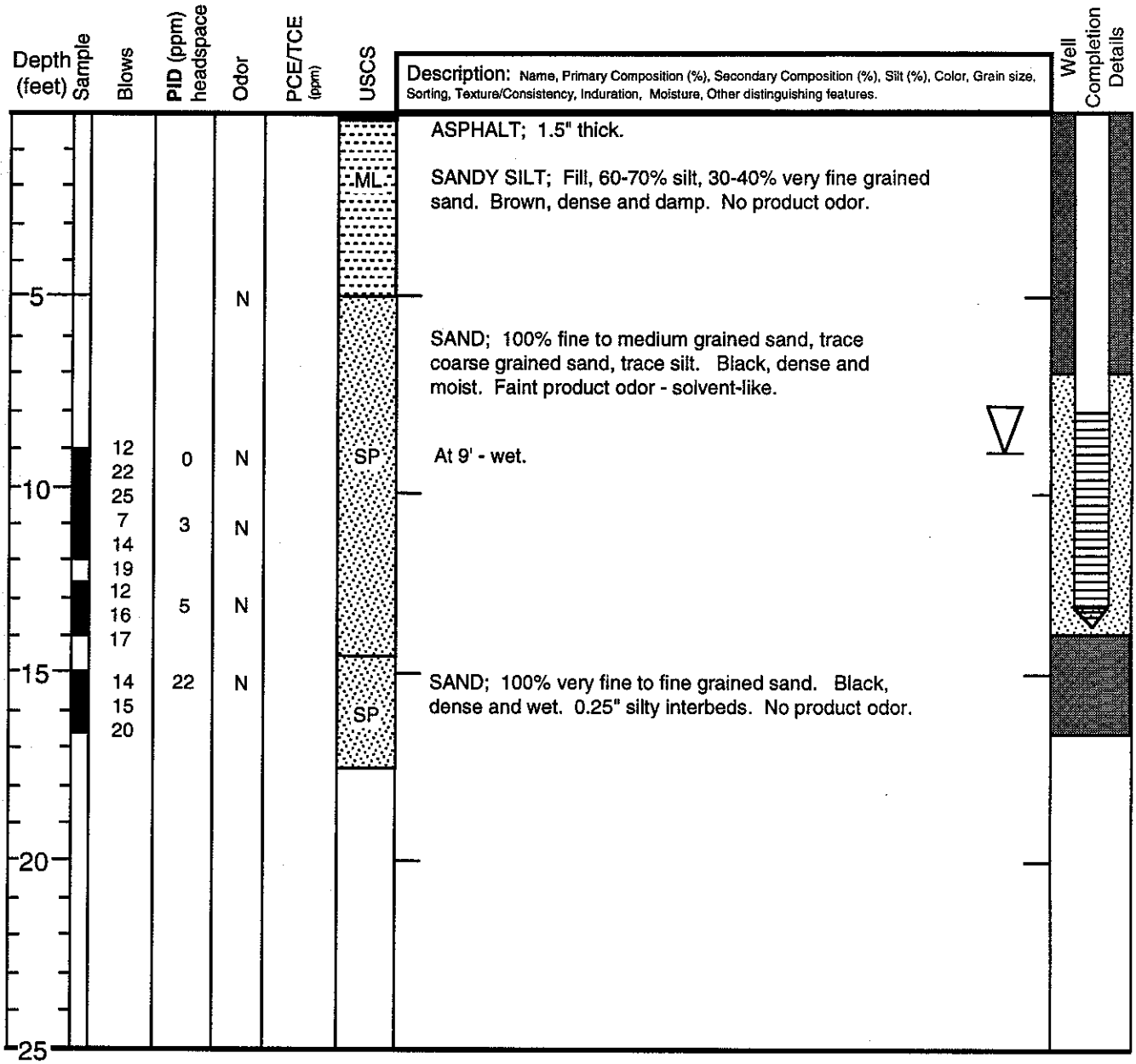
Drilling Contractor: Cascade Drilling, Inc. Log by: J. Orr

Drill Rig: CME-55 Auger Size/Type: HSA Sample Method: Mod - Cal

Total Depth: 16.5 feet Depth to Groundwater: Approx. 9 feet Backfill or Grout Material: Bentonite

Well Casing/Screen Material: Sch. 40 PVC Filter Material/Size: Lonestar Sand: 2/12

Well A: Casing/Screen Diameter: 2 in. Slot Size: 0.01" Seal: 0-7 feet Screened Interval: 8-13 feet



General Remarks:

- Blow counts are recorded for 6 inches of sampler penetration using a 140 lb hammer unless otherwise specified.
- PCE/TCE = Concentrations Analyzed using Method 8260b for Halogented Volatiles.
- ND = Not detected, or levels were below analytical detection limits. NA = Not Analyzed.

Summary applies only at the boring location at the time of drilling. Subsurface conditions may differ at other locations, and may change at this location with the passage of time. The data presented is a simplification of actual conditions encountered.

TERRA VAC

Limited Access

Date Drilled: 7/8/99 **Boring/Well Number: B-63** Page 1 of 2

Project: Great Western Chemical Company Project Number: 32-0039

Address: 6900 Fox Avenue South, Seattle, Washington 98188

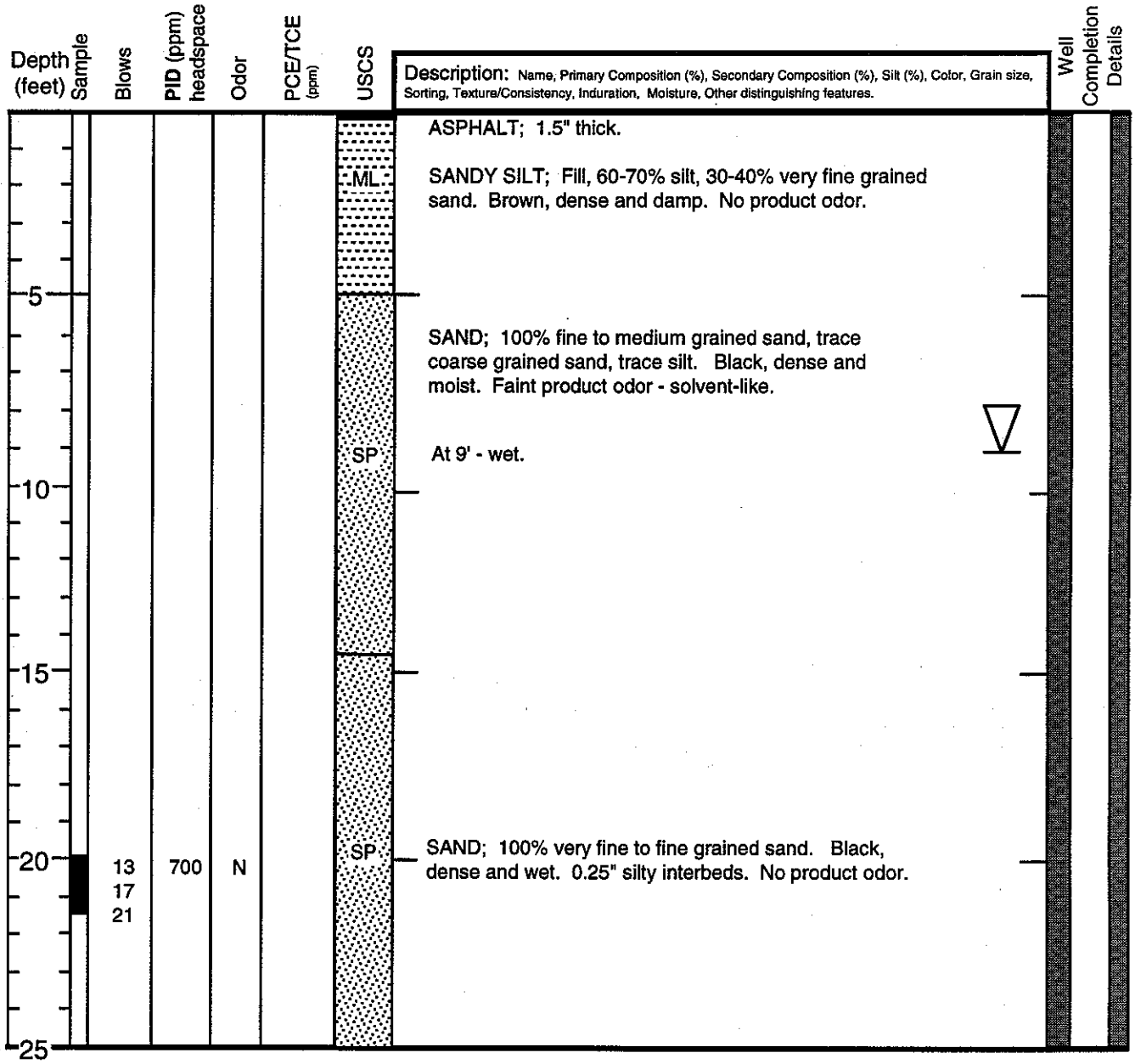
Drilling Contractor: Cascade Drilling, Inc. Log by: J. Orr

Drill Rig: CME-55 Auger Size/Type: HSA Sample Method: Mod - Cal / Spt.

Total Depth: 45 feet Depth to Groundwater: Approx. 9 feet Backfill or Grout Material: Bentonite

Well Casing/Screen Material: Sch. 40 PVC Filter Material/Size: Lonestar Sand: 2/12

Well A: Casing/Screen Diameter: 2 in. Slot Size: 0.01" Seal: 0-37 feet Screened Interval: 39-44 feet



General Remarks:

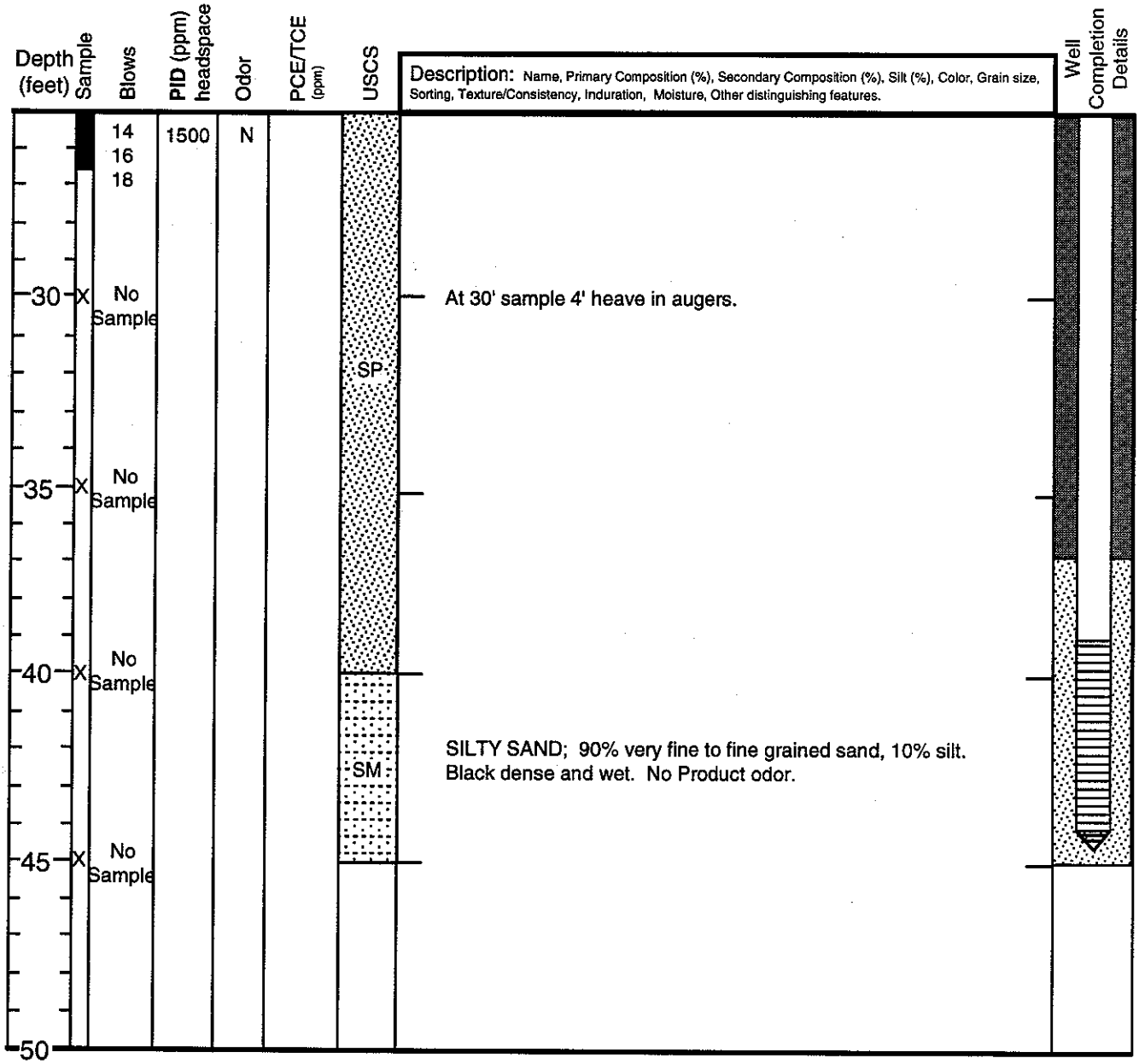
- Blow counts are recorded for 6 inches of sampler penetration using a 140 lb hammer unless otherwise specified.
- PCE/TCE = Concentrations Analyzed using Method 8260b for Halogented Volatiles.
- ND = Not detected, or levels were below analytical detection limits. NA = Not Analyzed.

Summary applies only at the boring location at the time of drilling. Subsurface conditions may differ at other locations, and may change at this location with the passage of time. The data presented is a simplification of actual conditions encountered.

TERRA VAC

Date Drilled: 7/8/99 **Boring/Well Number:** B-63 Page 2 of 2

Project: Great Western Chemical Company Project Number: 32-0039



Summary applies only at the boring location at the time of drilling. Subsurface conditions may differ at other locations, and may change at this location with the passage of time. The data presented is a simplification of actual conditions encountered.

TERRA VAC

Limited Access

Date Drilled: 7/6/99 **Boring/Well Number:** B-64 Page 1 of 1

Project: Great Western Chemical Company Project Number: 32-0039

Address: 6900 Fox Avenue South, Seattle, Washington 98188

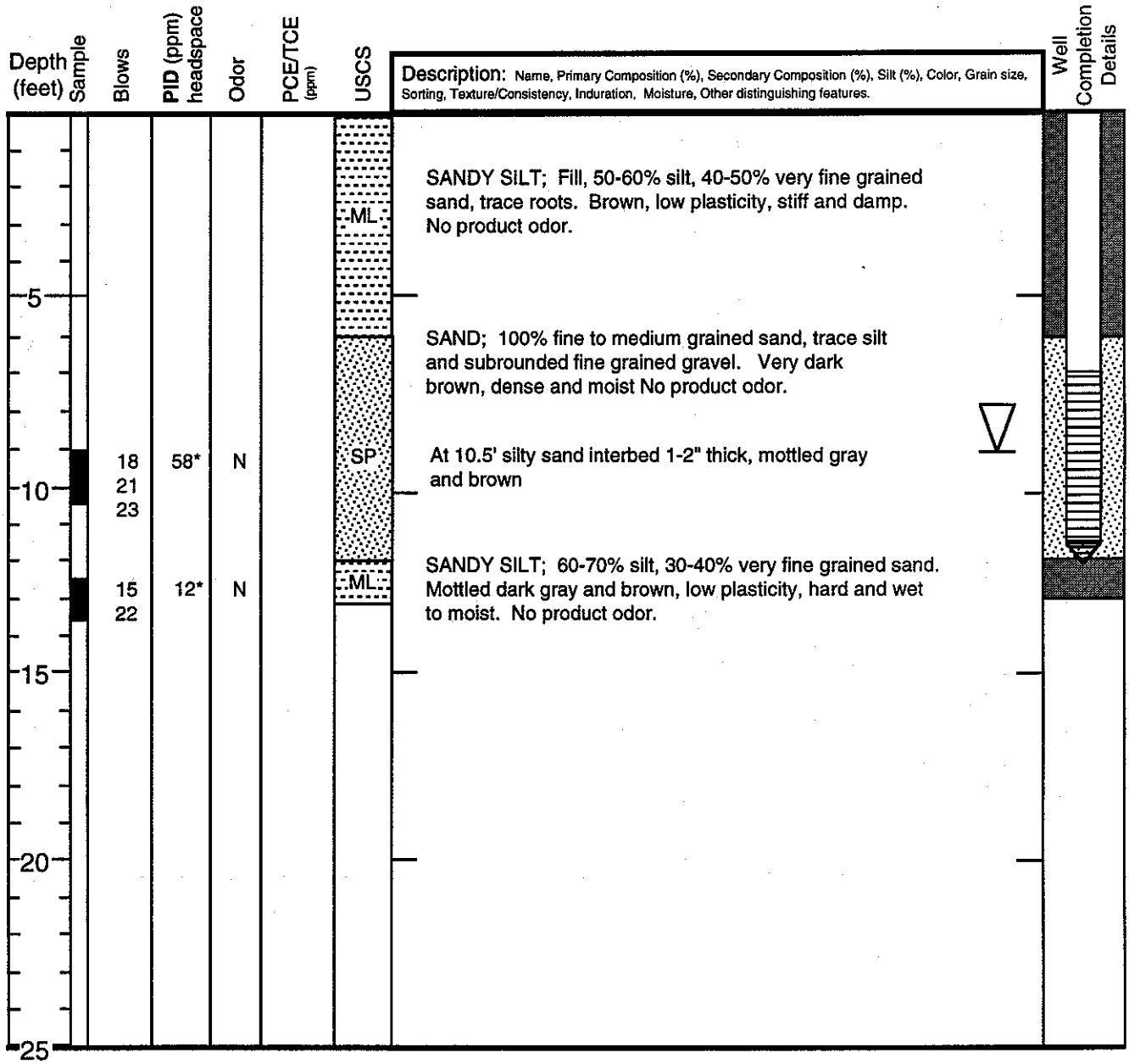
Drilling Contractor: Cascade Drilling, Inc. Log by: J. Orr

Drill Rig: CME-55 Auger Size/Type: HSA Sample Method: Dames & Moore

Total Depth: 13 feet Depth to Groundwater: Approx. 9 feet Backfill or Grout Material: Bentonite

Well Casing/Screen Material: Sch. 40 PVC Filter Material/Size: Lonestar Sand: 2/12

Well A: Casing/Screen Diameter: 2 in. Slot Size: 0.01" Seal: 0-6 feet Screened Interval: 7-12 feet



General Remarks:

- Blow counts are recorded for 6 inches of sampler penetration using a 140 lb hammer unless otherwise specified.
- PCE/TCE = Concentrations Analyzed using Method 8260b for Halogented Volatiles.
- ND = Not detected, or levels were below analytical detection limits. NA = Not Analyzed.

* Note - Reading taken approximately 1 hour after jar pierced once and resealed. Had to replace PID by Instrumentation Northwest.

Summary applies only at the boring location at the time of drilling. Subsurface conditions may differ at other locations, and may change at this location with the passage of time. The data presented is a simplification of actual conditions encountered.

TERRA VAC

Limited Access

Date Drilled: 7/6/99 **Boring/Well Number: B-65** Page 1 of 2

Project: Great Western Chemical Company Project Number: 32-0039

Address: 6900 Fox Avenue South, Seattle, Washington 98188

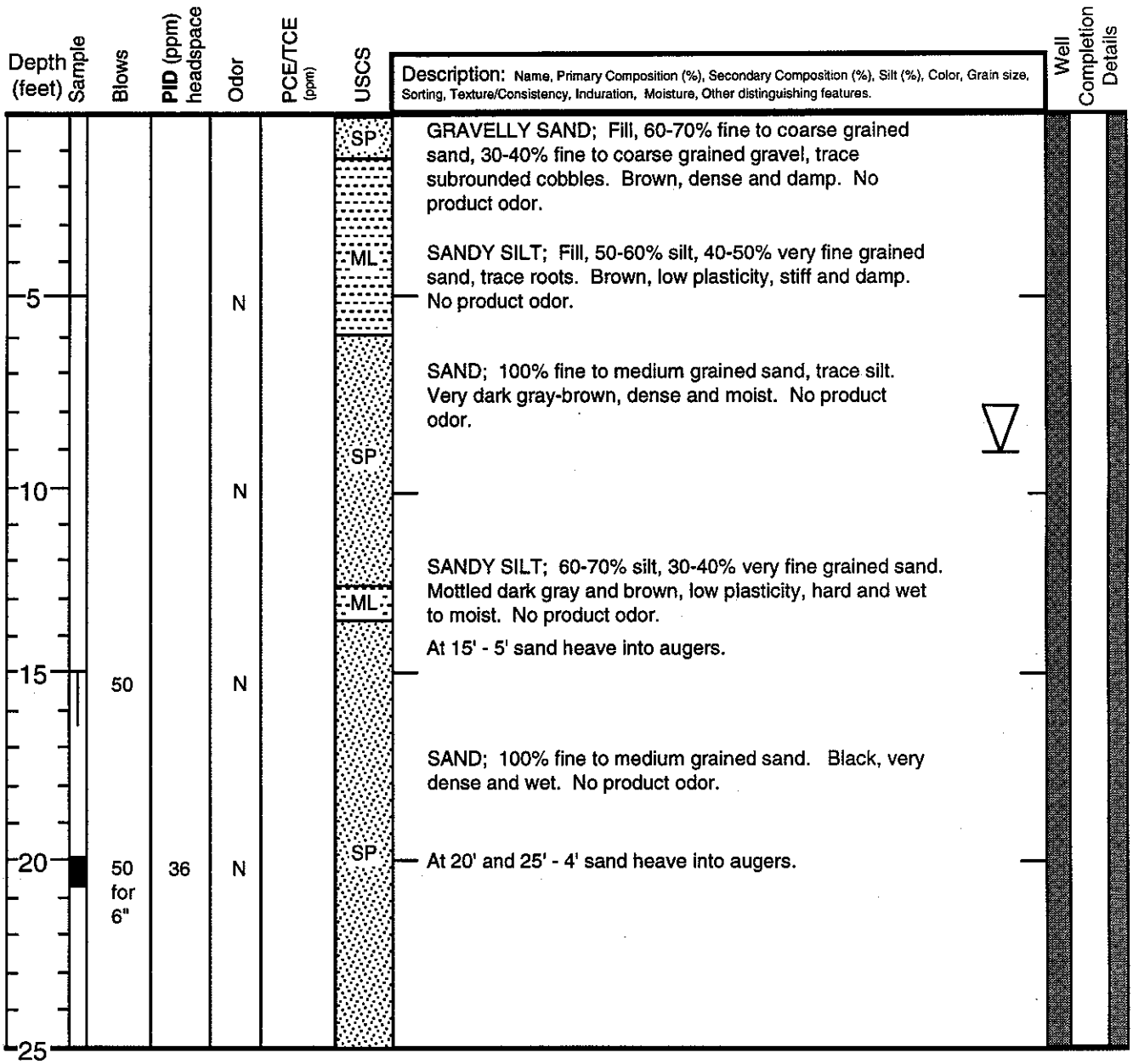
Drilling Contractor: Cascade Drilling, Inc. Log by: J. Orr

Drill Rig: CME-55 Auger Size/Type: HSA Sample Method: Dames & Moore

Total Depth: 35.5 feet Depth to Groundwater: Approx. 9 feet Backfill or Grout Material: Bentonite

Well Casing/Screen Material: Sch. 40 PVC Filter Material/Size: Lonestar Sand: 2/12

Well A: Casing/Screen Diameter: 2 in. Slot Size: 0.01" Seal: 0-27 feet Screened Interval: 30-35 feet



General Remarks:

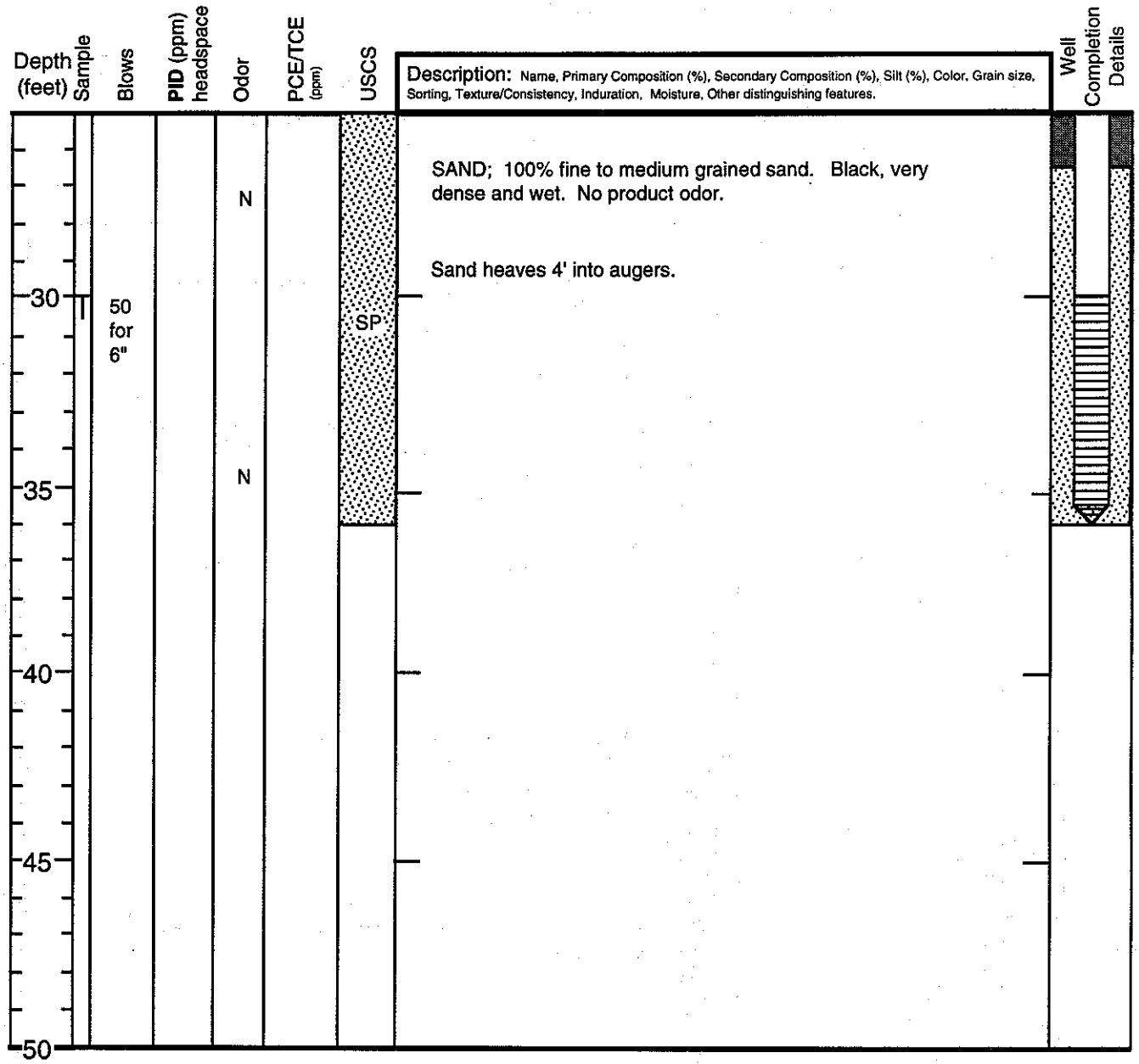
- Blow counts are recorded for 6 inches of sampler penetration using a 140 lb hammer unless otherwise specified.
- PCE/TCE = Concentrations Analyzed using Method 8260b for Halogented Volatiles.
- ND = Not detected, or levels were below analytical detection limits. NA = Not Analyzed.

Summary applies only at the boring location at the time of drilling. Subsurface conditions may differ at other locations, and may change at this location with the passage of time. The data presented is a simplification of actual conditions encountered.

TERRA VAC

Date Drilled: 7/6/99 **Boring/Well Number: B-65** Page 2 of 2

Project: Great Western Chemical Company Project Number: 32-0039



Summary applies only at the boring location at the time of drilling. Subsurface conditions may differ at other locations, and may change at this location with the passage of time. The data presented is a simplification of actual conditions encountered.

Supplemental Investigation
Fox Avenue and S. Myrtle Street

Attachment B

Laboratory Analytical Results - Soil and Groundwater

AGENCY REVIEW DRAFT

Date of Report: July 21, 1999
Samples Submitted: July 9, 1999
Lab Traveler: 07-047
Project: 32-0039

VOLATILES by EPA 8260B
page 1 of 2

Date Extracted:	7-9-99
Date Analyzed:	7-9 & 7-20-99
Matrix:	Water
Units:	ug/L (ppb)
Lab ID:	07-047-01
Client ID:	**B-62**

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		1.0
Chloromethane	ND		1.0
Vinyl Chloride	35		1.0
Bromomethane	ND		1.0
Chloroethane	ND		1.0
Trichlorofluoromethane	ND		1.0
1,1-Dichloroethene	ND		1.0
Acetone	ND		50
Carbon Disulfide	ND		1.0
Methylene Chloride	ND		5.0
(trans) 1,2-Dichloroethene	ND		1.0
1,1-Dichloroethane	2.2		1.0
Vinyl Acetate	ND		20
2,2-Dichloropropane	ND		1.0
(cis) 1,2-Dichloroethene	57		1.0
2-Butanone	ND		100
Chloroform	ND		1.0
1,1,1-Trichloroethane	30		5.0
Carbon Tetrachloride	ND		1.0
1,1-Dichloropropene	ND		1.0
Benzene	ND		1.0
1,2-Dichloroethane	ND		1.0
Trichloroethene	180		1.0
1,2-Dichloropropane	ND		1.0
Dibromomethane	ND		10
Bromodichloromethane	ND		5.0
2-Chloroethyl Vinyl Ether	ND		20
(cis) 1,3-Dichloropropene	ND		1.0
Toluene	ND		1.0
(trans) 1,3-Dichloropropene	ND		1.0
1,1,2-Trichloroethane	ND		1.0
Tetrachloroethene	470		5.0
1,3-Dichloropropane	ND		1.0

Date of Report: July 21, 1999
Samples Submitted: July 9, 1999
Lab Traveler: 07-047
Project: 32-0039

VOLATILES by EPA 8260B
page 2 of 2

Lab ID: 07-047-01
Client ID: **B-62**

Compound	Results	Flags	PQL
Methyl Isobutyl Ketone	ND		20
Dibromochloromethane	ND		1.0
1,2-Dibromoethane	ND		1.0
Chlorobenzene	ND		1.0
1,1,1,2-Tetrachloroethane	ND		1.0
Ethylbenzene	ND		1.0
m,p-Xylene	ND		2.0
o-Xylene	ND		1.0
Styrene	ND		1.0
Bromoform	ND		1.0
Isopropylbenzene	ND		1.0
Bromobenzene	ND		1.0
1,1,2,2-Tetrachloroethane	ND		5.0
1,2,3-Trichloropropane	ND		5.0
n-Propylbenzene	ND		1.0
2-Chlorotoluene	ND		1.0
4-Chlorotoluene	ND		1.0
1,3,5-Trimethylbenzene	ND		1.0
tert-Butylbenzene	ND		1.0
1,2,4-Trimethylbenzene	ND		1.0
sec-Butylbenzene	ND		1.0
1,3-Dichlorobenzene	ND		1.0
p-Isopropyltoluene	ND		1.0
1,4-Dichlorobenzene	ND		1.0
1,2-Dichlorobenzene	ND		1.0
n-Butylbenzene	ND		1.0
1,2-Dibromo-3-chloropropane	ND		10
1,2,4-Trichlorobenzene	ND		1.0
Hexachlorobutadiene	ND		10
Naphthalene	ND		10
1,2,3-Trichlorobenzene	ND		1.0

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	75	71-133
Toluene-d8	129	80-151
4-Bromofluorobenzene	114	75-139

Date of Report: July 21, 1999
Samples Submitted: July 9, 1999
Lab Traveler: 07-047
Project: 32-0039

VOLATILES by EPA 8260B
page 1 of 2

Date Extracted:	7-9-99
Date Analyzed:	7-9 & 7-20-99
Matrix:	Water
Units:	ug/L (ppb)
Lab ID:	07-047-02
Client ID:	**B-62 DUP**

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		1.0
Chloromethane	ND		1.0
Vinyl Chloride	36		1.0
Bromomethane	ND		1.0
Chloroethane	ND		1.0
Trichlorofluoromethane	ND		1.0
1,1-Dichloroethene	ND		1.0
Acetone	ND		50
Carbon Disulfide	ND		1.0
Methylene Chloride	ND		5.0
(trans) 1,2-Dichloroethene	ND		1.0
1,1-Dichloroethane	2.1		1.0
Vinyl Acetate	ND		20
2,2-Dichloropropane	ND		1.0
(cis) 1,2-Dichloroethene	54		1.0
2-Butanone	ND		100
Chloroform	ND		1.0
1,1,1-Trichloroethane	27		5.0
Carbon Tetrachloride	ND		1.0
1,1-Dichloropropene	ND		1.0
Benzene	ND		1.0
1,2-Dichloroethane	ND		1.0
Trichloroethene	180		1.0
1,2-Dichloropropane	ND		1.0
Dibromomethane	ND		10
Bromodichloromethane	ND		5.0
2-Chloroethyl Vinyl Ether	ND		20
(cis) 1,3-Dichloropropene	ND		1.0
Toluene	ND		1.0
(trans) 1,3-Dichloropropene	ND		1.0
1,1,2-Trichloroethane	ND		1.0
Tetrachloroethene	410		5.0
1,3-Dichloropropane	ND		1.0

Date of Report: July 21, 1999
Samples Submitted: July 9, 1999
Lab Traveler: 07-047
Project: 32-0039

VOLATILES by EPA 8260B
page 2 of 2

Lab ID: 07-047-02
Client ID: B-62 DUP

Compound	Results	Flags	PQL
Methyl Isobutyl Ketone	ND		20
Dibromochloromethane	ND		1.0
1,2-Dibromoethane	ND		1.0
Chlorobenzene	ND		1.0
1,1,1,2-Tetrachloroethane	ND		1.0
Ethylbenzene	ND		1.0
m,p-Xylene	ND		2.0
o-Xylene	ND		1.0
Styrene	ND		1.0
Bromoform	ND		1.0
Isopropylbenzene	ND		1.0
Bromobenzene	ND		1.0
1,1,2,2-Tetrachloroethane	ND		5.0
1,2,3-Trichloropropane	ND		5.0
n-Propylbenzene	ND		1.0
2-Chlorotoluene	ND		1.0
4-Chlorotoluene	ND		1.0
1,3,5-Trimethylbenzene	ND		1.0
tert-Butylbenzene	ND		1.0
1,2,4-Trimethylbenzene	ND		1.0
sec-Butylbenzene	ND		1.0
1,3-Dichlorobenzene	ND		1.0
p-Isopropyltoluene	ND		1.0
1,4-Dichlorobenzene	ND		1.0
1,2-Dichlorobenzene	ND		1.0
n-Butylbenzene	ND		1.0
1,2-Dibromo-3-chloropropane	ND		10
1,2,4-Trichlorobenzene	ND		1.0
Hexachlorobutadiene	ND		10
Naphthalene	ND		10
1,2,3-Trichlorobenzene	ND		1.0

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	76	71-133
Toluene-d8	136	80-151
4-Bromofluorobenzene	114	75-139

Date of Report: July 21, 1999
Samples Submitted: July 9, 1999
Lab Traveler: 07-047
Project: 32-0039

VOLATILES by EPA 8260B
page 1 of 2

Date Extracted:	7-9-99
Date Analyzed:	7-9 & 7-20-99
Matrix:	Water
Units:	ug/L (ppb)
Lab ID:	07-047-03
Client ID:	**TW-7**

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		1.0
Chloromethane	ND		1.0
Vinyl Chloride	ND		1.0
Bromomethane	ND		1.0
Chloroethane	ND		1.0
Trichlorofluoromethane	ND		1.0
1,1-Dichloroethene	ND		1.0
Acetone	ND		50
Carbon Disulfide	ND		1.0
Methylene Chloride	ND		5.0
(trans) 1,2-Dichloroethene	ND		1.0
1,1-Dichloroethane	ND		1.0
Vinyl Acetate	ND		20
2,2-Dichloropropane	ND		1.0
(cis) 1,2-Dichloroethene	ND		1.0
2-Butanone	ND		100
Chloroform	ND		1.0
1,1,1-Trichloroethane	ND		5.0
Carbon Tetrachloride	ND		1.0
1,1-Dichloropropene	ND		1.0
Benzene	ND		1.0
1,2-Dichloroethane	ND		1.0
Trichloroethene	ND		1.0
1,2-Dichloropropane	ND		1.0
Dibromomethane	ND		10
Bromodichloromethane	ND		5.0
2-Chloroethyl Vinyl Ether	ND		20
(cis) 1,3-Dichloropropene	ND		1.0
Toluene	ND		1.0
(trans) 1,3-Dichloropropene	ND		1.0
1,1,2-Trichloroethane	ND		1.0
Tetrachloroethene	2.7		1.0
1,3-Dichloropropane	ND		1.0

Date of Report: July 21, 1999
Samples Submitted: July 9, 1999
Lab Traveler: 07-047
Project: 32-0039

VOLATILES by EPA 8260B
page 2 of 2

Lab ID: 07-047-03
Client ID: TW-7

Compound	Results	Flags	PQL
Methyl Isobutyl Ketone	ND		20
Dibromochloromethane	ND		1.0
1,2-Dibromoethane	ND		1.0
Chlorobenzene	ND		1.0
1,1,1,2-Tetrachloroethane	ND		1.0
Ethylbenzene	ND		1.0
m,p-Xylene	ND		2.0
o-Xylene	ND		1.0
Styrene	ND		1.0
Bromoform	ND		1.0
Isopropylbenzene	ND		1.0
Bromobenzene	ND		1.0
1,1,2,2-Tetrachloroethane	ND		5.0
1,2,3-Trichloropropane	ND		5.0
n-Propylbenzene	ND		1.0
2-Chlorotoluene	ND		1.0
4-Chlorotoluene	ND		1.0
1,3,5-Trimethylbenzene	ND		1.0
tert-Butylbenzene	ND		1.0
1,2,4-Trimethylbenzene	ND		1.0
sec-Butylbenzene	ND		1.0
1,3-Dichlorobenzene	ND		1.0
p-Isopropyltoluene	ND		1.0
1,4-Dichlorobenzene	ND		1.0
1,2-Dichlorobenzene	ND		1.0
n-Butylbenzene	ND		1.0
1,2-Dibromo-3-chloropropane	ND		10
1,2,4-Trichlorobenzene	ND		1.0
Hexachlorobutadiene	ND		10
Naphthalene	ND		10
1,2,3-Trichlorobenzene	ND		1.0

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	79	71-133
Toluene-d8	149	80-151
4-Bromofluorobenzene	112	75-139

Date of Report: July 21, 1999
Samples Submitted: July 9, 1999
Lab Traveler: 07-047
Project: 32-0039

VOLATILES by EPA 8260B
page 1 of 2

Date Extracted:	7-9-99
Date Analyzed:	7-9 & 7-20-99
Matrix:	Water
Units:	ug/L (ppb)
Lab ID:	07-047-04
Client ID:	**TW-6**

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		1.0
Chloromethane	ND		1.0
Vinyl Chloride	3.4		1.0
Bromomethane	ND		1.0
Chloroethane	ND		1.0
Trichlorofluoromethane	ND		1.0
1,1-Dichloroethene	ND		1.0
Acetone	ND		50
Carbon Disulfide	ND		1.0
Methylene Chloride	ND		5.0
(trans) 1,2-Dichloroethene	ND		1.0
1,1-Dichloroethane	ND		1.0
Vinyl Acetate	ND		20
2,2-Dichloropropane	ND		1.0
(cis) 1,2-Dichloroethene	86		1.0
2-Butanone	ND		100
Chloroform	ND		1.0
1,1,1-Trichloroethane	ND		5.0
Carbon Tetrachloride	ND		1.0
1,1-Dichloropropene	ND		1.0
Benzene	ND		1.0
1,2-Dichloroethane	ND		1.0
Trichloroethene	150		1.0
1,2-Dichloropropane	ND		1.0
Dibromomethane	ND		10
Bromodichloromethane	ND		5.0
2-Chloroethyl Vinyl Ether	ND		20
(cis) 1,3-Dichloropropene	ND		1.0
Toluene	ND		1.0
(trans) 1,3-Dichloropropene	ND		1.0
1,1,2-Trichloroethane	ND		1.0
Tetrachloroethene	3300		50
1,3-Dichloropropane	ND		1.0

Date of Report: July 21, 1999
Samples Submitted: July 9, 1999
Lab Traveler: 07-047
Project: 32-0039

VOLATILES by EPA 8260B
page 2 of 2

Lab ID: 07-047-04
Client ID: TW-6

Compound	Results	Flags	PQL
Methyl Isobutyl Ketone	ND		20
Dibromochloromethane	ND		1.0
1,2-Dibromoethane	ND		1.0
Chlorobenzene	ND		1.0
1,1,1,2-Tetrachloroethane	ND		1.0
Ethylbenzene	ND		1.0
m,p-Xylene	ND		2.0
o-Xylene	ND		1.0
Styrene	ND		1.0
Bromoform	ND		1.0
Isopropylbenzene	ND		1.0
Bromobenzene	ND		1.0
1,1,2,2-Tetrachloroethane	ND		5.0
1,2,3-Trichloropropane	ND		5.0
n-Propylbenzene	ND		1.0
2-Chlorotoluene	ND		1.0
4-Chlorotoluene	ND		1.0
1,3,5-Trimethylbenzene	ND		1.0
tert-Butylbenzene	ND		1.0
1,2,4-Trimethylbenzene	ND		1.0
sec-Butylbenzene	ND		1.0
1,3-Dichlorobenzene	ND		1.0
p-Isopropyltoluene	ND		1.0
1,4-Dichlorobenzene	ND		1.0
1,2-Dichlorobenzene	ND		1.0
n-Butylbenzene	ND		1.0
1,2-Dibromo-3-chloropropane	ND		10
1,2,4-Trichlorobenzene	ND		1.0
Hexachlorobutadiene	ND		10
Naphthalene	ND		10
1,2,3-Trichlorobenzene	ND		1.0

Surrogate	Percent Recovery		Control Limits
Dibromofluoromethane	70	Q	71-133
Toluene-d8	127		80-151
4-Bromofluorobenzene	107		75-139

Date of Report: July 21, 1999
Samples Submitted: July 9, 1999
Lab Traveler: 07-047
Project: 32-0039

VOLATILES by EPA 8260B
page 1 of 2

Date Extracted:	7-9-99
Date Analyzed:	7-9 & 7-20-99
Matrix:	Water
Units:	ug/L (ppb)
Lab ID:	07-047-05
Client ID:	**TW-5**

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		1.0
Chloromethane	ND		1.0
Vinyl Chloride	18		1.0
Bromomethane	ND		1.0
Chloroethane	ND		1.0
Trichlorofluoromethane	ND		1.0
1,1-Dichloroethene	ND		1.0
Acetone	ND		50
Carbon Disulfide	ND		1.0
Methylene Chloride	ND		5.0
(trans) 1,2-Dichloroethene	5.6		1.0
1,1-Dichloroethane	ND		1.0
Vinyl Acetate	ND		20
2,2-Dichloropropane	ND		1.0
(cis) 1,2-Dichloroethene	550		50
2-Butanone	ND		100
Chloroform	ND		1.0
1,1,1-Trichloroethane	ND		5.0
Carbon Tetrachloride	ND		1.0
1,1-Dichloropropene	ND		1.0
Benzene	ND		1.0
1,2-Dichloroethane	ND		1.0
Trichloroethene	790		50
1,2-Dichloropropane	ND		1.0
Dibromomethane	ND		10
Bromodichloromethane	ND		5.0
2-Chloroethyl Vinyl Ether	ND		20
(cis) 1,3-Dichloropropene	ND		1.0
Toluene	ND		1.0
(trans) 1,3-Dichloropropene	ND		1.0
1,1,2-Trichloroethane	ND		1.0
Tetrachloroethene	3900		50
1,3-Dichloropropane	ND		1.0

Date of Report: July 21, 1999
Samples Submitted: July 9, 1999
Lab Traveler: 07-047
Project: 32-0039

VOLATILES by EPA 8260B
page 2 of 2

Lab ID: 07-047-05
Client ID: TW-5

Compound	Results	Flags	PQL
Methyl Isobutyl Ketone	ND		20
Dibromochloromethane	ND		1.0
1,2-Dibromoethane	ND		1.0
Chlorobenzene	ND		1.0
1,1,1,2-Tetrachloroethane	ND		1.0
Ethylbenzene	ND		1.0
m,p-Xylene	ND		2.0
o-Xylene	ND		1.0
Styrene	ND		1.0
Bromoform	ND		1.0
Isopropylbenzene	ND		1.0
Bromobenzene	ND		1.0
1,1,2,2-Tetrachloroethane	ND		5.0
1,2,3-Trichloropropane	ND		5.0
n-Propylbenzene	ND		1.0
2-Chlorotoluene	ND		1.0
4-Chlorotoluene	ND		1.0
1,3,5-Trimethylbenzene	ND		1.0
tert-Butylbenzene	ND		1.0
1,2,4-Trimethylbenzene	ND		1.0
sec-Butylbenzene	ND		1.0
1,3-Dichlorobenzene	ND		1.0
p-Isopropyltoluene	ND		1.0
1,4-Dichlorobenzene	ND		1.0
1,2-Dichlorobenzene	ND		1.0
n-Butylbenzene	ND		1.0
1,2-Dibromo-3-chloropropane	ND		10
1,2,4-Trichlorobenzene	ND		1.0
Hexachlorobutadiene	ND		10
Naphthalene	ND		10
1,2,3-Trichlorobenzene	ND		1.0

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	72	71-133
Toluene-d8	134	80-151
4-Bromofluorobenzene	122	75-139

Date of Report: July 21, 1999
Samples Submitted: July 9, 1999
Lab Traveler: 07-047
Project: 32-0039

VOLATILES by EPA 8260B

Date Extracted:	7-13-99
Date Analyzed:	7-23-99
Matrix:	Soil
Units:	mg/Kg (ppm)
Lab ID:	07-047-06
Client ID:	**TW-7-9**

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		0.057
Chloromethane	ND		0.057
Vinyl Chloride	ND		0.057
Bromomethane	ND		0.057
Chloroethane	ND		0.057
Trichlorofluoromethane	ND		0.057
1,1-Dichloroethene	ND		0.057
Acetone	ND		2.9
Carbon Disulfide	ND		0.057
Methylene Chloride	ND		0.29
(trans) 1,2-Dichloroethene	ND		0.057
1,1-Dichloroethane	ND		0.057
Vinyl Acetate	ND		1.1
2,2-Dichloropropane	ND		0.057
(cis) 1,2-Dichloroethene	ND		0.057
2-Butanone	ND		5.7
Chloroform	ND		0.057
1,1,1-Trichloroethane	ND		0.29
Carbon Tetrachloride	ND		0.057
1,1-Dichloropropene	ND		0.057
Benzene	ND		0.057
1,2-Dichloroethane	ND		0.057
Trichloroethene	ND		0.057
1,2-Dichloropropane	ND		0.057
Dibromomethane	ND		0.57
Bromodichloromethane	ND		0.29
2-Chloroethyl Vinyl Ether	ND		1.1
(cis) 1,3-Dichloropropene	ND		0.057
Toluene	ND		0.057
(trans) 1,3-Dichloropropene	ND		0.057
1,1,2-Trichloroethane	ND		0.057
Tetrachloroethene	0.13		0.057
1,3-Dichloropropane	ND		0.057

Date of Report: July 21, 1999
Samples Submitted: July 9, 1999
Lab Traveler: 07-047
Project: 32-0039

VOLATILES by EPA 8260B
Page 2 of 2

Lab ID: 07-047-06
Client ID: TW-7-9

Compound	Results	Flags	PQL
Methyl Isobutyl Ketone	ND		1.1
Dibromochloromethane	ND		0.057
1,2-Dibromoethane	ND		0.057
Chlorobenzene	ND		0.057
1,1,1,2-Tetrachloroethane	ND		0.057
Ethylbenzene	ND		0.057
m,p-Xylene	ND		0.11
o-Xylene	ND		0.057
Styrene	ND		0.057
Bromoform	ND		0.057
Isopropylbenzene	ND		0.057
Bromobenzene	ND		0.057
1,1,2,2-Tetrachloroethane	ND		0.29
1,2,3-Trichloropropane	ND		0.29
n-Propylbenzene	ND		0.057
2-Chlorotoluene	ND		0.057
4-Chlorotoluene	ND		0.057
1,3,5-Trimethylbenzene	ND		0.057
tert-Butylbenzene	ND		0.057
1,2,4-Trimethylbenzene	ND		0.057
sec-Butylbenzene	ND		0.057
1,3-Dichlorobenzene	ND		0.057
p-Isopropyltoluene	ND		0.057
1,4-Dichlorobenzene	ND		0.057
1,2-Dichlorobenzene	ND		0.057
n-Butylbenzene	ND		0.057
1,2-Dibromo-3-chloropropane	ND		0.57
1,2,4-Trichlorobenzene	ND		0.057
Hexachlorobutadiene	ND		0.57
Naphthalene	ND		0.57
1,2,3-Trichlorobenzene	ND		0.057

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	81	65-125
Toluene-d8	88	77-116
4-Bromofluorobenzene	91	67-133

Date of Report: July 21, 1999
Samples Submitted: July 9, 1999
Lab Traveler: 07-047
Project: 32-0039

VOLATILES by EPA 8260B
Page 1 of 2

Date Extracted:	7-13-99
Date Analyzed:	7-23-99
Matrix:	Soil
Units:	mg/Kg (ppm)
Lab ID:	07-047-07
Client ID:	**TW-7-12**

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		0.060
Chloromethane	ND		0.060
Vinyl Chloride	ND		0.060
Bromomethane	ND		0.060
Chloroethane	ND		0.060
Trichlorofluoromethane	ND		0.060
1,1-Dichloroethene	ND		0.060
Acetone	ND		3.0
Carbon Disulfide	ND		0.060
Methylene Chloride	ND		0.30
(trans) 1,2-Dichloroethene	ND		0.060
1,1-Dichloroethane	ND		0.060
Vinyl Acetate	ND		1.2
2,2-Dichloropropane	ND		0.060
(cis) 1,2-Dichloroethene	ND		0.060
2-Butanone	ND		6.0
Chloroform	ND		0.060
1,1,1-Trichloroethane	ND		0.30
Carbon Tetrachloride	ND		0.060
1,1-Dichloropropene	ND		0.060
Benzene	ND		0.060
1,2-Dichloroethane	ND		0.060
Trichloroethene	ND		0.060
1,2-Dichloropropane	ND		0.060
Dibromomethane	ND		0.60
Bromodichloromethane	ND		0.30
2-Chloroethyl Vinyl Ether	ND		1.2
(cis) 1,3-Dichloropropene	ND		0.060
Toluene	ND		0.060
(trans) 1,3-Dichloropropene	ND		0.060
1,1,2-Trichloroethane	ND		0.060
Tetrachloroethene	0.20		0.060
1,3-Dichloropropane	ND		0.060

Date of Report: July 21, 1999
Samples Submitted: July 9, 1999
Lab Traveler: 07-047
Project: 32-0039

VOLATILES by EPA 8260B

Lab ID: 07-047-07
Client ID: TW-7-12

Compound	Results	Flags	PQL
Methyl Isobutyl Ketone	ND		1.2
Dibromochloromethane	ND		0.060
1,2-Dibromoethane	ND		0.060
Chlorobenzene	ND		0.060
1,1,1,2-Tetrachloroethane	ND		0.060
Ethylbenzene	ND		0.060
m,p-Xylene	ND		0.12
o-Xylene	ND		0.060
Styrene	ND		0.060
Bromoform	ND		0.060
Isopropylbenzene	ND		0.060
Bromobenzene	ND		0.060
1,1,2,2-Tetrachloroethane	ND		0.30
1,2,3-Trichloropropane	ND		0.30
n-Propylbenzene	ND		0.060
2-Chlorotoluene	ND		0.060
4-Chlorotoluene	ND		0.060
1,3,5-Trimethylbenzene	ND		0.060
tert-Butylbenzene	ND		0.060
1,2,4-Trimethylbenzene	ND		0.060
sec-Butylbenzene	ND		0.060
1,3-Dichlorobenzene	ND		0.060
p-Isopropyltoluene	ND		0.060
1,4-Dichlorobenzene	ND		0.060
1,2-Dichlorobenzene	ND		0.060
n-Butylbenzene	ND		0.060
1,2-Dibromo-3-chloropropane	ND		0.60
1,2,4-Trichlorobenzene	ND		0.060
Hexachlorobutadiene	ND		0.60
Naphthalene	ND		0.60
1,2,3-Trichlorobenzene	ND		0.060

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	74	65-125
Toluene-d8	87	77-116
4-Bromofluorobenzene	87	67-133

Date of Report: July 21, 1999
Samples Submitted: July 8, 1999
Lab Traveler: 07-037
Project: 32-0039

VOLATILES by EPA 8260B
MS/MSD QUALITY CONTROL

Date Extracted: 7-13-99
Date Analyzed: 7-22-99

Matrix: Soil
Units: mg/Kg (ppm)

Lab ID: 07-038-08 MS

Compound	Spike Amount	MS	Percent Recovery	MSD	Percent Recovery	RPD	Flags
1,1-Dichloroethene	2.50	1.26	51	1.07	43	17	I
Benzene	2.50	1.76	71	1.94	78	9.6	
Trichloroethene	2.50	2.11	84	2.17	87	3.2	
Toluene	2.50	2.44	97	2.40	96	1.7	
Chlorobenzene	2.50	2.31	93	2.43	97	4.8	

Date of Report: July 21, 1999
Samples Submitted: July 9, 1999
Lab Traveler: 07-047
Project: 32-0039

VOLATILES by EPA 8260B
SB/SBD QUALITY CONTROL

Date Extracted: 7-9-99
Date Analyzed: 7-9-99

Matrix: Water
Units: ug/L (ppb)

Lab ID: SB0709W1

Compound	Spike Amount	SB	Percent Recovery	SBD	Percent Recovery	RPD	Flags
1,1-Dichloroethene	50.0	26.1	52	25.7	51	1.8	I
Benzene	50.0	41.4	83	42.5	85	2.7	
Trichloroethene	50.0	40.8	82	43.6	87	6.8	
Toluene	50.0	56.6	113	57.7	115	2.0	
Chlorobenzene	50.0	52.5	105	53.8	108	2.4	

Date of Report: July 21, 1999
Samples Submitted: July 8, 1999
Lab Traveler: 07-037
Project: 32-0039

VOLATILES by EPA 8260B
METHOD BLANK QUALITY CONTROL
Page 1 of 2

Date Extracted: 7-9-99
Date Analyzed: 7-9-99

Matrix: Water
Units: ug/L (ppb)

Lab ID: MB0709W1

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		1.0
Chloromethane	ND		1.0
Vinyl Chloride	ND		1.0
Bromomethane	ND		1.0
Chloroethane	ND		1.0
Trichlorofluoromethane	ND		1.0
1,1-Dichloroethene	ND		1.0
Acetone	ND		50
Carbon Disulfide	ND		1.0
Methylene Chloride	ND		5.0
(trans) 1,2-Dichloroethene	ND		1.0
1,1-Dichloroethane	ND		1.0
Vinyl Acetate	ND		20
2,2-Dichloropropane	ND		1.0
(cis) 1,2-Dichloroethene	ND		1.0
2-Butanone	ND		100
Chloroform	ND		1.0
1,1,1-Trichloroethane	ND		5.0
Carbon Tetrachloride	ND		1.0
1,1-Dichloropropene	ND		1.0
Benzene	ND		1.0
1,2-Dichloroethane	ND		1.0
Trichloroethene	ND		1.0
1,2-Dichloropropane	ND		1.0
Dibromomethane	ND		10
Bromodichloromethane	ND		5.0
2-Chloroethyl Vinyl Ether	ND		20
(cis) 1,3-Dichloropropene	ND		1.0
Toluene	ND		1.0
(trans) 1,3-Dichloropropene	ND		1.0
1,1,2-Trichloroethane	ND		1.0
Tetrachloroethene	ND		1.0
1,3-Dichloropropane	ND		1.0

Date of Report: July 21, 1999
Samples Submitted: July 8, 1999
Lab Traveler: 07-037
Project: 32-0039

VOLATILES by EPA 8260B
METHOD BLANK QUALITY CONTROL
Page 2 of 2

Lab ID: MB0709W1

Compound	Results	Flags	PQL
Methyl Isobutyl Ketone	ND		20
Dibromochloromethane	ND		1.0
1,2-Dibromoethane	ND		1.0
Chlorobenzene	ND		1.0
1,1,1,2-Tetrachloroethane	ND		1.0
Ethylbenzene	ND		1.0
m,p-Xylene	ND		2.0
o-Xylene	ND		1.0
Styrene	ND		1.0
Bromoform	ND		1.0
Isopropylbenzene	ND		1.0
Bromobenzene	ND		1.0
1,1,2,2-Tetrachloroethane	ND		5.0
1,2,3-Trichloropropane	ND		5.0
n-Propylbenzene	ND		1.0
2-Chlorotoluene	ND		1.0
4-Chlorotoluene	ND		1.0
1,3,5-Trimethylbenzene	ND		1.0
tert-Butylbenzene	ND		1.0
1,2,4-Trimethylbenzene	ND		1.0
sec-Butylbenzene	ND		1.0
1,3-Dichlorobenzene	ND		1.0
p-Isopropyltoluene	ND		1.0
1,4-Dichlorobenzene	ND		1.0
1,2-Dichlorobenzene	ND		1.0
n-Butylbenzene	ND		1.0
1,2-Dibromo-3-chloropropane	ND		10
1,2,4-Trichlorobenzene	ND		1.0
Hexachlorobutadiene	ND		10
Naphthalene	ND		10
1,2,3-Trichlorobenzene	ND		1.0

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	87	71-133
Toluene-d8	114	80-151
4-Bromofluorobenzene	110	75-139

ext 7-16
Analy 7-23

Date of Report: July 27, 1999
Samples Submitted: July 12, 1999
Lab Traveler: 07-073
Project: 32-0039

HALOGENATED VOLATILES by EPA 8260B
METHOD BLANK QUALITY CONTROL

Date Extracted: 7-16-99
Date Analyzed: 7-23-99

Matrix: Soil
Units: mg/Kg (ppm)

Lab ID: MB0716S1

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		0.050
Chloromethane	ND		0.050
Vinyl Chloride	ND		0.050
Bromomethane	ND		0.050
Chloroethane	ND		0.050
Trichlorofluoromethane	ND		0.050
1,1-Dichloroethene	ND		0.050
Methylene Chloride	ND		0.25
(trans) 1,2-Dichloroethene	ND		0.050
1,1-Dichloroethane	ND		0.050
2,2-Dichloropropane	ND		0.050
(cis) 1,2-Dichloroethene	ND		0.050
Chloroform	ND		0.050
1,1,1-Trichloroethane	ND		0.25
Carbon Tetrachloride	ND		0.050
1,1-Dichloropropene	ND		0.050
1,2-Dichloroethane	ND		0.050
Trichloroethene	ND		0.050
1,2-Dichloropropane	ND		0.050
Dibromomethane	ND		0.50
Bromodichloromethane	ND		0.25
2-Chloroethyl Vinyl Ether	ND		1.0
(cis) 1,3-Dichloropropene	ND		0.050
(trans) 1,3-Dichloropropene	ND		0.050
1,1,2-Trichloroethane	ND		0.050
Tetrachloroethene	ND		0.050
1,3-Dichloropropane	ND		0.050

Date of Report: July 27, 1999
Samples Submitted: July 12, 1999
Lab Traveler: 07-073
Project: 32-0039

HALOGENATED VOLATILES by EPA 8260B
METHOD BLANK QUALITY CONTROL
page 2 of 2

Lab ID: MB0716S1

Compound	Results	Flags	PQL
Dibromochloromethane	ND		0.050
1,2-Dibromoethane	ND		0.050
Chlorobenzene	ND		0.050
1,1,1,2-Tetrachloroethane	ND		0.050
Bromoform	ND		0.050
Bromobenzene	ND		0.050
1,1,2,2-Tetrachloroethane	ND		0.25
1,2,3-Trichloropropane	ND		0.25
2-Chlorotoluene	ND		0.050
4-Chlorotoluene	ND		0.050
1,3-Dichlorobenzene	ND		0.050
1,4-Dichlorobenzene	ND		0.050
1,2-Dichlorobenzene	ND		0.050
1,2-Dibromo-3-chloropropane	ND		0.50
1,2,4-Trichlorobenzene	ND		0.050
Hexachlorobutadiene	ND		0.50
1,2,3-Trichlorobenzene	ND		0.050

Surrogate	Percent Recovery		Control Limits
Dibromofluoromethane	105		65-125
Toluene-d8	122	Q	77-116
4-Bromofluorobenzene	121		67-133

Date of Report: July 23, 1999
Samples Submitted: July 8, 1999
Lab Traveler: 07-038
Project: 32-0039

VOLATILES by EPA 8260B
METHOD BLANK QUALITY CONTROL
Page 1 of 2

Date Extracted:	7-13-99
Date Analyzed:	7-20-99
Matrix:	Soil
Units:	mg/Kg (ppm)
Lab ID:	MB0713S1

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		0.050
Chloromethane	ND		0.050
Vinyl Chloride	ND		0.050
Bromomethane	ND		0.050
Chloroethane	ND		0.050
Trichlorofluoromethane	ND		0.050
1,1-Dichloroethene	ND		0.050
Acetone	ND		2.5
Carbon Disulfide	ND		0.050
Methylene Chloride	ND		0.25
(trans) 1,2-Dichloroethene	ND		0.050
1,1-Dichloroethane	ND		0.050
Vinyl Acetate	ND		1.0
2,2-Dichloropropane	ND		0.050
(cis) 1,2-Dichloroethene	ND		0.050
2-Butanone	ND		5.0
Chloroform	ND		0.050
1,1,1-Trichloroethane	ND		0.25
Carbon Tetrachloride	ND		0.050
1,1-Dichloropropene	ND		0.050
Benzene	ND		0.050
1,2-Dichloroethane	ND		0.050
Trichloroethene	ND		0.050
1,2-Dichloropropane	ND		0.050
Dibromomethane	ND		0.50
Bromodichloromethane	ND		0.25
2-Chloroethyl Vinyl Ether	ND		1.0
(cis) 1,3-Dichloropropene	ND		0.050
Toluene	ND		0.050
(trans) 1,3-Dichloropropene	ND		0.050
1,1,2-Trichloroethane	ND		0.050
Tetrachloroethene	ND		0.050
1,3-Dichloropropane	ND		0.050

Date of Report: July 21, 1999
Samples Submitted: July 8, 1999
Lab Traveler: 07-037
Project: 32-0039

VOLATILES by EPA 8260B
METHOD BLANK QUALITY CONTROL
page 2 of 2

Lab ID: MB0713S1

Compound	Results	Flags	PQL
Methyl Isobutyl Ketone	ND		1.0
Dibromochloromethane	ND		0.050
1,2-Dibromoethane	ND		0.050
Chlorobenzene	ND		0.050
1,1,1,2-Tetrachloroethane	ND		0.050
Ethylbenzene	ND		0.050
m,p-Xylene	ND		0.10
o-Xylene	ND		0.050
Styrene	ND		0.050
Bromoform	ND		0.050
Isopropylbenzene	ND		0.050
Bromobenzene	ND		0.050
1,1,2,2-Tetrachloroethane	ND		0.25
1,2,3-Trichloropropane	ND		0.25
n-Propylbenzene	ND		0.050
2-Chlorotoluene	ND		0.050
4-Chlorotoluene	ND		0.050
1,3,5-Trimethylbenzene	ND		0.050
tert-Butylbenzene	ND		0.050
1,2,4-Trimethylbenzene	ND		0.050
sec-Butylbenzene	ND		0.050
1,3-Dichlorobenzene	ND		0.050
p-Isopropyltoluene	ND		0.050
1,4-Dichlorobenzene	ND		0.050
1,2-Dichlorobenzene	ND		0.050
n-Butylbenzene	ND		0.050
1,2-Dibromo-3-chloropropane	ND		0.50
1,2,4-Trichlorobenzene	ND		0.050
Hexachlorobutadiene	ND		0.50
Naphthalene	ND		0.50
1,2,3-Trichlorobenzene	ND		0.050

Surrogate	Percent Recovery		Control Limits
Dibromofluoromethane	104		65-125
Toluene-d8	119	Q	77-116
4-Bromofluorobenzene	93		67-133

Date of Report: July 21, 1999
Samples Submitted: July 9, 1999
Lab Traveler: 07-047
Project: 32-0039

Date Analyzed: 7-14-99

% MOISTURE

Client ID	Lab ID	% Moisture
TW-7-9	07-047-06	13
TW-7-12	07-047-07	17

Date of Report: July 22, 1999
Samples Submitted: July 16, 1999
Lab Traveler: 07-122
Project: 32-0039

VOLATILES by EPA 8260B
page 1 of 2

Date Extracted: 7-21-99
Date Analyzed: 7-21-99

Matrix: Water
Units: ug/L (ppb)

Lab ID: 07-122-01
Client ID: B-13

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		5.0
Chloromethane	ND		5.0
Vinyl Chloride	ND		5.0
Bromomethane	ND		5.0
Chloroethane	ND		5.0
Trichlorofluoromethane	ND		5.0
1,1-Dichloroethene	ND		5.0
Acetone	ND		250
Carbon Disulfide	ND		5.0
Methylene Chloride	ND		25
(trans) 1,2-Dichloroethene	ND		5.0
1,1-Dichloroethane	ND		5.0
Vinyl Acetate	ND		100
2,2-Dichloropropane	ND		5.0
(cis) 1,2-Dichloroethene	120		5.0
2-Butanone	ND		500
Chloroform	ND		5.0
1,1,1-Trichloroethane	ND		25
Carbon Tetrachloride	ND		5.0
1,1-Dichloropropene	ND		5.0
Benzene	ND		5.0
1,2-Dichloroethane	ND		5.0
Trichloroethene	320		5.0
1,2-Dichloropropane	ND		5.0
Dibromomethane	ND		50
Bromodichloromethane	ND		25
2-Chloroethyl Vinyl Ether	ND		100
(cis) 1,3-Dichloropropene	ND		5.0
Toluene	ND		5.0
(trans) 1,3-Dichloropropene	ND		5.0
1,1,2-Trichloroethane	ND		5.0
Tetrachloroethene	7300		50
1,3-Dichloropropane	ND		5.0

Date of Report: July 22, 1999
Samples Submitted: July 16, 1999
Lab Traveler: 07-122
Project: 32-0039

VOLATILES by EPA 8260B
page 2 of 2

Lab ID: 07-122-01
Client ID: B-13

Compound	Results	Flags	PQL
Methyl Isobutyl Ketone	ND		100
Dibromochloromethane	ND		5.0
1,2-Dibromoethane	ND		5.0
Chlorobenzene	ND		5.0
1,1,1,2-Tetrachloroethane	ND		5.0
Ethylbenzene	ND		5.0
m,p-Xylene	ND		10
o-Xylene	ND		5.0
Styrene	ND		5.0
Bromoform	ND		5.0
Isopropylbenzene	ND		5.0
Bromobenzene	ND		5.0
1,1,2,2-Tetrachloroethane	ND		25
1,2,3-Trichloropropane	ND		25
n-Propylbenzene	ND		5.0
2-Chlorotoluene	ND		5.0
4-Chlorotoluene	ND		5.0
1,3,5-Trimethylbenzene	ND		5.0
tert-Butylbenzene	ND		5.0
1,2,4-Trimethylbenzene	ND		5.0
sec-Butylbenzene	ND		5.0
1,3-Dichlorobenzene	ND		5.0
p-Isopropyltoluene	ND		5.0
1,4-Dichlorobenzene	ND		5.0
1,2-Dichlorobenzene	ND		5.0
n-Butylbenzene	ND		5.0
1,2-Dibromo-3-chloropropane	ND		50
1,2,4-Trichlorobenzene	ND		5.0
Hexachlorobutadiene	ND		50
Naphthalene	ND		50
1,2,3-Trichlorobenzene	ND		5.0

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	102	71-133
Toluene-d8	106	80-151
4-Bromofluorobenzene	126	75-139

Date of Report: July 22, 1999
Samples Submitted: July 16, 1999
Lab Traveler: 07-122
Project: 32-0039

VOLATILES by EPA 8260B

Date Extracted:	7-21-99
Date Analyzed:	7-21-99
Matrix:	Water
Units:	ug/L (ppb)
Lab ID:	07-122-02
Client ID:	B-59

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		5.0
Chloromethane	ND		5.0
Vinyl Chloride	77		5.0
Bromomethane	ND		5.0
Chloroethane	ND		5.0
Trichlorofluoromethane	ND		5.0
1,1-Dichloroethene	ND		5.0
Acetone	ND		250
Carbon Disulfide	ND		5.0
Methylene Chloride	ND		25
(trans) 1,2-Dichloroethene	ND		5.0
1,1-Dichloroethane	ND		5.0
Vinyl Acetate	ND		100
2,2-Dichloropropane	ND		5.0
(cis) 1,2-Dichloroethene	350		5.0
2-Butanone	ND		500
Chloroform	ND		5.0
1,1,1-Trichloroethane	ND		25
Carbon Tetrachloride	ND		5.0
1,1-Dichloropropene	ND		5.0
Benzene	ND		5.0
1,2-Dichloroethane	ND		5.0
Trichloroethene	8.4		5.0
1,2-Dichloropropane	ND		5.0
Dibromomethane	ND		50
Bromodichloromethane	ND		25
2-Chloroethyl Vinyl Ether	ND		100
(cis) 1,3-Dichloropropene	ND		5.0
Toluene	ND		5.0
(trans) 1,3-Dichloropropene	ND		5.0
1,1,2-Trichloroethane	ND		5.0
Tetrachloroethene	39		5.0
1,3-Dichloropropane	ND		5.0

Date of Report: July 22, 1999
Samples Submitted: July 16, 1999
Lab Traveler: 07-122
Project: 32-0039

VOLATILES by EPA 8260B

Lab ID: 07-122-02
Client ID: B-59

Compound	Results	Flags	PQL
Methyl Isobutyl Ketone	ND		100
Dibromochloromethane	ND		5.0
1,2-Dibromoethane	ND		5.0
Chlorobenzene	ND		5.0
1,1,1,2-Tetrachloroethane	ND		5.0
Ethylbenzene	ND		5.0
m,p-Xylene	ND		10
o-Xylene	ND		5.0
Styrene	ND		5.0
Bromoform	ND		5.0
Isopropylbenzene	ND		5.0
Bromobenzene	ND		5.0
1,1,2,2-Tetrachloroethane	ND		25
1,2,3-Trichloropropane	ND		25
n-Propylbenzene	ND		5.0
2-Chlorotoluene	ND		5.0
4-Chlorotoluene	ND		5.0
1,3,5-Trimethylbenzene	ND		5.0
tert-Butylbenzene	ND		5.0
1,2,4-Trimethylbenzene	ND		5.0
sec-Butylbenzene	ND		5.0
1,3-Dichlorobenzene	ND		5.0
p-Isopropyltoluene	ND		5.0
1,4-Dichlorobenzene	ND		5.0
1,2-Dichlorobenzene	ND		5.0
n-Butylbenzene	ND		5.0
1,2-Dibromo-3-chloropropane	ND		50
1,2,4-Trichlorobenzene	ND		5.0
Hexachlorobutadiene	ND		50
Naphthalene	ND		50
1,2,3-Trichlorobenzene	ND		5.0

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	100	71-133
Toluene-d8	105	80-151
4-Bromofluorobenzene	124	75-139

Date of Report: July 26, 1999
Samples Submitted: July 16, 1999
Lab Traveler: 07-122
Project: 32-0039

SEMIVOLATILES by EPA 8270C

Date Extracted:	7-19-99
Date Analyzed:	7-20-99
Matrix:	Water
Units:	ug/L (ppb)
Lab ID:	07-122-02
Client ID:	**B-59**

Compound:	Results	Flags	PQL
Aniline	ND		1.0
bis(2-Chloroethyl)ether	ND		10
Phenol	ND		1.0
2-Chlorophenol	ND		1.0
1,3-Dichlorobenzene	ND		1.0
1,4-Dichlorobenzene	ND		1.0
1,2-Dichlorobenzene	ND		1.0
Benzyl alcohol	ND		1.0
bis(2-chloroisopropyl)ether	ND		1.0
2-Methylphenol	ND		1.0
Hexachloroethane	ND		1.0
N-Nitroso-di-n-propylamine	ND		1.0
4-Methylphenol	ND		1.0
Nitrobenzene	ND		1.0
Isophorone	ND		1.0
2-Nitrophenol	ND		10
2,4-Dimethylphenol	ND		1.0
bis(2-Chloroethoxy)methane	ND		1.0
2,4-Dichlorophenol	ND		1.0
Benzoic acid	ND		10
1,2,4-Trichlorobenzene	ND		1.0
Naphthalene	ND		1.0
4-Chloroaniline	ND		1.0
Hexachlorobutadiene	ND		1.0
4-Chloro-3-methylphenol	ND		1.0
2-Methylnaphthalene	ND		1.0

Date of Report: July 26, 1999
Samples Submitted: July 16, 1999
Lab Traveler: 07-122
Project: 32-0039

SEMIVOLATILES by EPA 8270C
page 2 of 3

Lab ID: 07-122-02
Client ID: B-59

Compound:	Results	Flags	PQL
Hexachlorocyclopentadiene	ND		1.0
2,4,6-Trichlorophenol	ND		1.0
2,4,5-Trichlorophenol	ND		1.0
2-Chloronaphthalene	ND		1.0
2-Nitroaniline	ND		1.0
Acenaphthylene	ND		1.0
Dimethylphthalate	ND		1.0
2,6-Dinitrotoluene	ND		1.0
Acenaphthene	ND		1.0
3-Nitroaniline	ND		1.0
2,4-Dinitrophenol	ND		10
Dibenzofuran	ND		1.0
2,4-Dinitrotoluene	ND		1.0
4-Nitrophenol	ND		10
Fluorene	ND		1.0
4-Chlorophenyl-phenylether	ND		1.0
Diethylphthalate	ND		1.0
4-Nitroaniline	ND		1.0
4,6-Dinitro-2-methylphenol	ND		10
n-Nitrosodiphenylamine	ND		10
4-Bromophenyl-phenylether	ND		1.0
Hexachlorobenzene	ND		1.0
Pentachlorophenol	ND		10
Phenanthrene	ND		1.0
Anthracene	ND		1.0
Carbazole	ND		1.0
Di-n-butylphthalate	ND		1.0
Fluoranthene	ND		1.0
Benzidine	ND		1.0
Pyrene	ND		1.0

Date of Report: July 26, 1999
Samples Submitted: July 16, 1999
Lab Traveler: 07-122
Project: 32-0039

SEMIVOLATILES by EPA 8270C
page 3 of 3

Lab ID: 07-122-02
Client ID: B-59

Compound:	Results	Flags	PQL
Butylbenzylphthalate	1.4		1.0
3,3'-Dichlorobenzidine	ND		1.0
Benzo[a]anthracene	ND		1.0
Chrysene	ND		1.0
bis(2-Ethylhexyl)phthalate	1.6		1.0
Di-n-octylphthalate	ND		10
Benzo[b]fluoranthene	ND		1.0
Benzo[k]fluoranthene	ND		1.0
Benzo[a]pyrene	ND		1.0
Indeno[1,2,3-cd]pyrene	ND		1.0
Dibenz[a,h]anthracene	ND		1.0
Benzo[g,h,i]perylene	ND		1.0

Surrogate :	Percent Recovery	Control Limits
2-Fluorophenol	28	21 - 100
Phenol-d6	20	10 - 94
Nitrobenzene-d5	58	35 - 114
2-Fluorobiphenyl	62	43 - 116
2,4,6-Tribromophenol	80	10 - 123
Terphenyl-d14	76	33 - 144

Date of Report: July 22, 1999
Samples Submitted: July 16, 1999
Lab Traveler: 07-122
Project: 32-0039

VOLATILES by EPA 8260B

Date Extracted:	7-21-99
Date Analyzed:	7-21-99
Matrix:	Water
Units:	ug/L (ppb)
Lab ID:	07-122-03
Client ID:	**B-58**

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		5.0
Chloromethane	ND		5.0
Vinyl Chloride	220		5.0
Bromomethane	ND		5.0
Chloroethane	ND		5.0
Trichlorofluoromethane	ND		5.0
1,1-Dichloroethene	12		5.0
Acetone	ND		250
Carbon Disulfide	ND		5.0
Methylene Chloride	ND		25
(trans) 1,2-Dichloroethene	290		5.0
1,1-Dichloroethane	ND		5.0
Vinyl Acetate	ND		100
2,2-Dichloropropane	ND		5.0
(cis) 1,2-Dichloroethene	21000		100
2-Butanone	ND		500
Chloroform	ND		5.0
1,1,1-Trichloroethane	ND		25
Carbon Tetrachloride	ND		5.0
1,1-Dichloropropene	ND		5.0
Benzene	ND		5.0
1,2-Dichloroethane	ND		5.0
Trichloroethene	11000		100
1,2-Dichloropropane	ND		5.0
Dibromomethane	ND		50
Bromodichloromethane	ND		25
2-Chloroethyl Vinyl Ether	ND		100
(cis) 1,3-Dichloropropene	ND		5.0
Toluene	ND		5.0
(trans) 1,3-Dichloropropene	ND		5.0
1,1,2-Trichloroethane	ND		5.0
Tetrachloroethene	18000		100
1,3-Dichloropropane	ND		5.0

Date of Report: July 22, 1999
Samples Submitted: July 16, 1999
Lab Traveler: 07-122
Project: 32-0039

VOLATILES by EPA 8260B
page 2 of 2

Lab ID: 07-122-03
Client ID: B-58

Compound	Results	Flags	PQL
Methyl Isobutyl Ketone	ND		100
Dibromochloromethane	ND		5.0
1,2-Dibromoethane	ND		5.0
Chlorobenzene	ND		5.0
1,1,1,2-Tetrachloroethane	ND		5.0
Ethylbenzene	11		5.0
m,p-Xylene	ND		10
o-Xylene	9.1		5.0
Styrene	ND		5.0
Bromoform	ND		5.0
Isopropylbenzene	ND		5.0
Bromobenzene	ND		5.0
1,1,2,2-Tetrachloroethane	ND		25
1,2,3-Trichloropropane	ND		25
n-Propylbenzene	ND		5.0
2-Chlorotoluene	ND		5.0
4-Chlorotoluene	ND		5.0
1,3,5-Trimethylbenzene	ND		5.0
tert-Butylbenzene	ND		5.0
1,2,4-Trimethylbenzene	ND		5.0
sec-Butylbenzene	7.8		5.0
1,3-Dichlorobenzene	ND		5.0
p-Isopropyltoluene	ND		5.0
1,4-Dichlorobenzene	7.4		5.0
1,2-Dichlorobenzene	35		5.0
n-Butylbenzene	ND		5.0
1,2-Dibromo-3-chloropropane	ND		50
1,2,4-Trichlorobenzene	ND		5.0
Hexachlorobutadiene	ND		50
Naphthalene	ND		50
1,2,3-Trichlorobenzene	ND		5.0

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	104	71-133
Toluene-d8	100	80-151
4-Bromofluorobenzene	121	75-139

Date of Report: July 26, 1999
Samples Submitted: July 16, 1999
Lab Traveler: 07-122
Project: 32-0039

SEMIVOLATILES by EPA 8270C
page 1 of 3

Date Extracted:	7-19-99
Date Analyzed:	7-20-99
Matrix:	Water
Units:	ug/L (ppb)
Lab ID:	07-122-03
Client ID:	**B-58**

Compound:	Results	Flags	PQL
Aniline	ND		1.0
bis(2-Chloroethyl)ether	ND		10
Phenol	ND		1.0
2-Chlorophenol	ND		1.0
1,3-Dichlorobenzene	1.2		1.0
1,4-Dichlorobenzene	3.3		1.0
1,2-Dichlorobenzene	14		1.0
Benzyl alcohol	ND		1.0
bis(2-chloroisopropyl)ether	ND		1.0
2-Methylphenol	ND		1.0
Hexachloroethane	ND		1.0
N-Nitroso-di-n-propylamine	ND		1.0
4-Methylphenol	ND		1.0
Nitrobenzene	ND		1.0
Isophorone	ND		1.0
2-Nitrophenol	ND		10
2,4-Dimethylphenol	ND		1.0
bis(2-Chloroethoxy)methane	ND		1.0
2,4-Dichlorophenol	ND		1.0
Benzoic acid	14		10
1,2,4-Trichlorobenzene	ND		1.0
Naphthalene	ND		1.0
4-Chloroaniline	ND		1.0
Hexachlorobutadiene	ND		1.0
4-Chloro-3-methylphenol	ND		1.0
2-Methylnaphthalene	ND		1.0

Date of Report: July 26, 1999
Samples Submitted: July 16, 1999
Lab Traveler: 07-122
Project: 32-0039

SEMIVOLATILES by EPA 8270C
page 2 of 3

Lab ID: 07-122-03
Client ID: B-58

Compound:	**Results**	**Flags**	**PQL**
Hexachlorocyclopentadiene	ND		1.0
2,4,6-Trichlorophenol	ND		1.0
2,4,5-Trichlorophenol	ND		1.0
2-Chloronaphthalene	ND		1.0
2-Nitroaniline	ND		1.0
Acenaphthylene	ND		1.0
Dimethylphthalate	ND		1.0
2,6-Dinitrotoluene	ND		1.0
Acenaphthene	ND		1.0
3-Nitroaniline	ND		1.0
2,4-Dinitrophenol	ND		10
Dibenzofuran	ND		1.0
2,4-Dinitrotoluene	ND		1.0
4-Nitrophenol	ND		10
Fluorene	ND		1.0
4-Chlorophenyl-phenylether	ND		1.0
Diethylphthalate	ND		1.0
4-Nitroaniline	ND		1.0
4,6-Dinitro-2-methylphenol	ND		10
n-Nitrosodiphenylamine	ND		10
4-Bromophenyl-phenylether	ND		1.0
Hexachlorobenzene	ND		1.0
Pentachlorophenol	12		10
Phenanthrene	ND		1.0
Anthracene	ND		1.0
Carbazole	ND		1.0
Di-n-butylphthalate	ND		1.0
Fluoranthene	ND		1.0
Benzidine	ND		1.0
Pyrene	ND		1.0

Date of Report: July 26, 1999
Samples Submitted: July 16, 1999
Lab Traveler: 07-122
Project: 32-0039

SEMIVOLATILES by EPA 8270C
page 3 of 3

Lab ID: 07-122-03
Client ID: B-58

Compound:	Results	Flags	PQL
Butylbenzylphthalate	ND		1.0
3,3'-Dichlorobenzidine	ND		1.0
Benzo[a]anthracene	ND		1.0
Chrysene	ND		1.0
bis(2-Ethylhexyl)phthalate	8.8		1.0
Di-n-octylphthalate	ND		10
Benzo[b]fluoranthene	ND		1.0
Benzo[k]fluoranthene	ND		1.0
Benzo[a]pyrene	ND		1.0
Indeno[1,2,3-cd]pyrene	ND		1.0
Dibenz[a,h]anthracene	ND		1.0
Benzo[g,h,i]perylene	ND		1.0

Surrogate :	Percent Recovery	Control Limits
2-Fluorophenol	49	21 - 100
Phenol-d6	36	10 - 94
Nitrobenzene-d5	55	35 - 114
2-Fluorobiphenyl	60	43 - 116
2,4,6-Tribromophenol	71	10 - 123
Terphenyl-d14	69	33 - 144

Date of Report: July 22, 1999
Samples Submitted: July 16, 1999
Lab Traveler: 07-122
Project: 32-0039

VOLATILES by EPA 8260B
page 1 of 2

Date Extracted:	7-21-99
Date Analyzed:	7-21-99
Matrix:	Water
Units:	ug/L (ppb)
Lab ID:	07-122-04
Client ID:	**B-61**

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		5.0
Chloromethane	ND		5.0
Vinyl Chloride	970		5.0
Bromomethane	ND		5.0
Chloroethane	ND		5.0
Trichlorofluoromethane	ND		5.0
1,1-Dichloroethene	51		5.0
Acetone	ND		250
Carbon Disulfide	ND		5.0
Methylene Chloride	ND		25
(trans) 1,2-Dichloroethene	180		5.0
1,1-Dichloroethane	13		5.0
Vinyl Acetate	ND		100
2,2-Dichloropropane	ND		5.0
(cis) 1,2-Dichloroethene	27000	E	100
2-Butanone	ND		500
Chloroform	ND		5.0
1,1,1-Trichloroethane	ND		25
Carbon Tetrachloride	ND		5.0
1,1-Dichloropropene	ND		5.0
Benzene	6.2		5.0
1,2-Dichloroethane	ND		5.0
Trichloroethene	3700		100
1,2-Dichloropropane	ND		5.0
Dibromomethane	ND		50
Bromodichloromethane	ND		25
2-Chloroethyl Vinyl Ether	ND		100
(cis) 1,3-Dichloropropene	ND		5.0
Toluene	ND		5.0
(trans) 1,3-Dichloropropene	ND		5.0
1,1,2-Trichloroethane	ND		5.0
Tetrachloroethene	78		5.0
1,3-Dichloropropane	ND		5.0

Date of Report: July 22, 1999
Samples Submitted: July 16, 1999
Lab Traveler: 07-122
Project: 32-0039

VOLATILES by EPA 8260B
page 2 of 2

Lab ID: 07-122-04
Client ID: B-61

Compound	Results	Flags	PQL
Methyl Isobutyl Ketone	ND		100
Dibromochloromethane	ND		5.0
1,2-Dibromoethane	ND		5.0
Chlorobenzene	ND		5.0
1,1,1,2-Tetrachloroethane	ND		5.0
Ethylbenzene	ND		5.0
m,p-Xylene	ND		10
o-Xylene	ND		5.0
Styrene	ND		5.0
Bromoform	ND		5.0
Isopropylbenzene	ND		5.0
Bromobenzene	ND		5.0
1,1,2,2-Tetrachloroethane	ND		25
1,2,3-Trichloropropane	ND		25
n-Propylbenzene	ND		5.0
2-Chlorotoluene	ND		5.0
4-Chlorotoluene	ND		5.0
1,3,5-Trimethylbenzene	ND		5.0
tert-Butylbenzene	ND		5.0
1,2,4-Trimethylbenzene	ND		5.0
sec-Butylbenzene	ND		5.0
1,3-Dichlorobenzene	ND		5.0
p-Isopropyltoluene	ND		5.0
1,4-Dichlorobenzene	ND		5.0
1,2-Dichlorobenzene	ND		5.0
n-Butylbenzene	ND		5.0
1,2-Dibromo-3-chloropropane	ND		50
1,2,4-Trichlorobenzene	ND		5.0
Hexachlorobutadiene	ND		50
Naphthalene	ND		50
1,2,3-Trichlorobenzene	ND		5.0

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	102	71-133
Toluene-d8	102	80-151
4-Bromofluorobenzene	116	75-139

Date of Report: July 26, 1999
Samples Submitted: July 16, 1999
Lab Traveler: 07-122
Project: 32-0039

SEMIVOLATILES by EPA 8270C
page 1 of 3

Date Extracted:	7-19-99
Date Analyzed:	7-20-99
Matrix:	Water
Units:	ug/L (ppb)
Lab ID:	07-122-04
Client ID:	**B-61**

Compound:	Results	Flags	PQL
Aniline	ND		1.0
bis(2-Chloroethyl)ether	ND		10
Phenol	ND		1.0
2-Chlorophenol	ND		1.0
1,3-Dichlorobenzene	ND		1.0
1,4-Dichlorobenzene	ND		1.0
1,2-Dichlorobenzene	1.9		1.0
Benzyl alcohol	ND		1.0
bis(2-chloroisopropyl)ether	ND		1.0
2-Methylphenol	ND		1.0
Hexachloroethane	ND		1.0
N-Nitroso-di-n-propylamine	5.4		1.0
4-Methylphenol	ND		1.0
Nitrobenzene	ND		1.0
Isophorone	ND		1.0
2-Nitrophenol	ND		10
2,4-Dimethylphenol	ND		1.0
bis(2-Chloroethoxy)methane	ND		1.0
2,4-Dichlorophenol	ND		1.0
Benzoic acid	ND		10
1,2,4-Trichlorobenzene	ND		1.0
Naphthalene	5.8		1.0
4-Chloroaniline	ND		1.0
Hexachlorobutadiene	ND		1.0
4-Chloro-3-methylphenol	ND		1.0
2-Methylnaphthalene	ND		1.0

Date of Report: July 26, 1999
Samples Submitted: July 16, 1999
Lab Traveler: 07-122
Project: 32-0039

SEMIVOLATILES by EPA 8270C
page 2 of 3

Lab ID: 07-122-04
Client ID: B-61

Compound:	Results	Flags	PQL
Hexachlorocyclopentadiene	ND		1.0
2,4,6-Trichlorophenol	ND		1.0
2,4,5-Trichlorophenol	ND		1.0
2-Chloronaphthalene	18		1.0
2-Nitroaniline	ND		1.0
Acenaphthylene	ND		1.0
Dimethylphthalate	ND		1.0
2,6-Dinitrotoluene	ND		1.0
Acenaphthene	ND		1.0
3-Nitroaniline	ND		1.0
2,4-Dinitrophenol	ND		10
Dibenzofuran	ND		1.0
2,4-Dinitrotoluene	ND		1.0
4-Nitrophenol	ND		10
Fluorene	ND		1.0
4-Chlorophenyl-phenylether	ND		1.0
Diethylphthalate	ND		1.0
4-Nitroaniline	ND		1.0
4,6-Dinitro-2-methylphenol	ND		10
n-Nitrosodiphenylamine	ND		10
4-Bromophenyl-phenylether	ND		1.0
Hexachlorobenzene	ND		1.0
Pentachlorophenol	ND		10
Phenanthrene	ND		1.0
Anthracene	ND		1.0
Carbazole	ND		1.0
Di-n-butylphthalate	ND		1.0
Fluoranthene	ND		1.0
Benzidine	ND		1.0
Pyrene	ND		1.0

Date of Report: July 26, 1999
Samples Submitted: July 16, 1999
Lab Traveler: 07-122
Project: 32-0039

SEMIVOLATILES by EPA 8270C
page 3 of 3

Lab ID: 07-122-04
Client ID: B-61

Compound:	Results	Flags	PQL
Butylbenzylphthalate	ND		1.0
3,3'-Dichlorobenzidine	ND		1.0
Benzo[a]anthracene	ND		1.0
Chrysene	ND		1.0
bis(2-Ethylhexyl)phthalate	1.5		1.0
Di-n-octylphthalate	ND		10
Benzo[b]fluoranthene	ND		1.0
Benzo[k]fluoranthene	ND		1.0
Benzo[a]pyrene	ND		1.0
Indeno[1,2,3-cd]pyrene	ND		1.0
Dibenz[a,h]anthracene	ND		1.0
Benzo[g,h,i]perylene	ND		1.0

Surrogate :	Percent Recovery	Control Limits
2-Fluorophenol	47	21 - 100
Phenol-d6	36	10 - 94
Nitrobenzene-d5	57	35 - 114
2-Fluorobiphenyl	61	43 - 116
2,4,6-Tribromophenol	80	10 - 123
Terphenyl-d14	75	33 - 144

Date of Report: July 22, 1999
Samples Submitted: July 16, 1999
Lab Traveler: 07-122
Project: 32-0039

VOLATILES by EPA 8260B
page 1 of 2

Date Extracted:	7-21-99
Date Analyzed:	7-21-99
Matrix:	Water
Units:	ug/L (ppb)
Lab ID:	07-122-05
Client ID:	**B-60**

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		5.0
Chloromethane	ND		5.0
Vinyl Chloride	ND		5.0
Bromomethane	ND		5.0
Chloroethane	ND		5.0
Trichlorofluoromethane	ND		5.0
1,1-Dichloroethene	ND		5.0
Acetone	ND		250
Carbon Disulfide	ND		5.0
Methylene Chloride	ND		25
(trans) 1,2-Dichloroethene	ND		5.0
1,1-Dichloroethane	ND		5.0
Vinyl Acetate	ND		100
2,2-Dichloropropane	ND		5.0
(cis) 1,2-Dichloroethene	220		5.0
2-Butanone	ND		500
Chloroform	ND		5.0
1,1,1-Trichloroethane	ND		25
Carbon Tetrachloride	ND		5.0
1,1-Dichloropropene	ND		5.0
Benzene	ND		5.0
1,2-Dichloroethane	ND		5.0
Trichloroethene	300		5.0
1,2-Dichloropropane	ND		5.0
Dibromomethane	ND		50
Bromodichloromethane	ND		25
2-Chloroethyl Vinyl Ether	ND		100
(cis) 1,3-Dichloropropene	ND		5.0
Toluene	ND		5.0
(trans) 1,3-Dichloropropene	ND		5.0
1,1,2-Trichloroethane	ND		5.0
Tetrachloroethene	5600		50
1,3-Dichloropropane	ND		5.0

Date of Report: July 22, 1999
Samples Submitted: July 16, 1999
Lab Traveler: 07-122
Project: 32-0039

VOLATILES by EPA 8260B
page 2 of 2

Lab ID: 07-122-05
Client ID: B-60

Compound	Results	Flags	PQL
Methyl Isobutyl Ketone	ND		100
Dibromochloromethane	ND		5.0
1,2-Dibromoethane	ND		5.0
Chlorobenzene	ND		5.0
1,1,1,2-Tetrachloroethane	ND		5.0
Ethylbenzene	ND		5.0
m,p-Xylene	ND		10
o-Xylene	ND		5.0
Styrene	ND		5.0
Bromoform	ND		5.0
Isopropylbenzene	ND		5.0
Bromobenzene	ND		5.0
1,1,2,2-Tetrachloroethane	ND		25
1,2,3-Trichloropropane	ND		25
n-Propylbenzene	ND		5.0
2-Chlorotoluene	ND		5.0
4-Chlorotoluene	ND		5.0
1,3,5-Trimethylbenzene	ND		5.0
tert-Butylbenzene	ND		5.0
1,2,4-Trimethylbenzene	ND		5.0
sec-Butylbenzene	ND		5.0
1,3-Dichlorobenzene	ND		5.0
p-Isopropyltoluene	ND		5.0
1,4-Dichlorobenzene	ND		5.0
1,2-Dichlorobenzene	ND		5.0
n-Butylbenzene	ND		5.0
1,2-Dibromo-3-chloropropane	ND		50
1,2,4-Trichlorobenzene	ND		5.0
Hexachlorobutadiene	ND		50
Naphthalene	ND		50
1,2,3-Trichlorobenzene	ND		5.0

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	103	71-133
Toluene-d8	101	80-151
4-Bromofluorobenzene	122	75-139

Date of Report: July 26, 1999
Samples Submitted: July 16, 1999
Lab Traveler: 07-122
Project: 32-0039

SEMIVOLATILES by EPA 8270C
page 1 of 3

Date Extracted:	7-19-99
Date Analyzed:	7-20-99
Matrix:	Water
Units:	ug/L (ppb)
Lab ID:	07-122-05
Client ID:	**B-60**

Compound:	Results	Flags	PQL
Aniline	ND		1.0
bis(2-Chloroethyl)ether	ND		10
Phenol	ND		1.0
2-Chlorophenol	ND		1.0
1,3-Dichlorobenzene	ND		1.0
1,4-Dichlorobenzene	ND		1.0
1,2-Dichlorobenzene	1.2		1.0
Benzyl alcohol	ND		1.0
bis(2-chloroisopropyl)ether	ND		1.0
2-Methylphenol	ND		1.0
Hexachloroethane	ND		1.0
N-Nitroso-di-n-propylamine	ND		1.0
4-Methylphenol	ND		1.0
Nitrobenzene	ND		1.0
Isophorone	ND		1.0
2-Nitrophenol	ND		10
2,4-Dimethylphenol	ND		1.0
bis(2-Chloroethoxy)methane	ND		1.0
2,4-Dichlorophenol	ND		1.0
Benzoic acid	ND		10
1,2,4-Trichlorobenzene	ND		1.0
Naphthalene	ND		1.0
4-Chloroaniline	ND		1.0
Hexachlorobutadiene	ND		1.0
4-Chloro-3-methylphenol	ND		1.0
2-Methylnaphthalene	ND		1.0

Date of Report: July 26, 1999
Samples Submitted: July 16, 1999
Lab Traveler: 07-122
Project: 32-0039

SEMIVOLATILES by EPA 8270C
page 2 of 3

Lab ID: 07-122-05
Client ID: B-60

Compound:	Results	Flags	PQL
Hexachlorocyclopentadiene	ND		1.0
2,4,6-Trichlorophenol	ND		1.0
2,4,5-Trichlorophenol	ND		1.0
2-Chloronaphthalene	ND		1.0
2-Nitroaniline	ND		1.0
Acenaphthylene	ND		1.0
Dimethylphthalate	ND		1.0
2,6-Dinitrotoluene	ND		1.0
Acenaphthene	ND		1.0
3-Nitroaniline	ND		1.0
2,4-Dinitrophenol	ND		10
Dibenzofuran	ND		1.0
2,4-Dinitrotoluene	ND		1.0
4-Nitrophenol	ND		10
Fluorene	ND		1.0
4-Chlorophenyl-phenylether	ND		1.0
Diethylphthalate	ND		1.0
4-Nitroaniline	ND		1.0
4,6-Dinitro-2-methylphenol	ND		10
n-Nitrosodiphenylamine	ND		10
4-Bromophenyl-phenylether	ND		1.0
Hexachlorobenzene	ND		1.0
Pentachlorophenol	ND		10
Phenanthrene	ND		1.0
Anthracene	ND		1.0
Carbazole	ND		1.0
Di-n-butylphthalate	ND		1.0
Fluoranthene	ND		1.0
Benzidine	ND		1.0
Pyrene	ND		1.0

Date of Report: July 26, 1999
Samples Submitted: July 16, 1999
Lab Traveler: 07-122
Project: 32-0039

SEMIVOLATILES by EPA 8270C

Lab ID: 07-122-05
Client ID: B-60

Compound:	Results	Flags	PQL
Butylbenzylphthalate	ND		1.0
3,3'-Dichlorobenzidine	ND		1.0
Benzo[a]anthracene	ND		1.0
Chrysene	ND		1.0
bis(2-Ethylhexyl)phthalate	ND		1.0
Di-n-octylphthalate	ND		10
Benzo[b]fluoranthene	ND		1.0
Benzo[k]fluoranthene	ND		1.0
Benzo[a]pyrene	ND		1.0
Indeno[1,2,3-cd]pyrene	ND		1.0
Dibenz[a,h]anthracene	ND		1.0
Benzo[g,h,i]perylene	ND		1.0

Surrogate :	Percent Recovery	Control Limits
2-Fluorophenol	37	21 - 100
Phenol-d6	29	10 - 94
Nitrobenzene-d5	49	35 - 114
2-Fluorobiphenyl	60	43 - 116
2,4,6-Tribromophenol	81	10 - 123
Terphenyl-d14	80	33 - 144

Date of Report: July 22, 1999
Samples Submitted: July 16, 1999
Lab Traveler: 07-122
Project: 32-0039

VOLATILES by EPA 8260B

Date Extracted: 7-21-99
Date Analyzed: 7-21-99

Matrix: Water
Units: ug/L (ppb)

Lab ID: 07-122-06
Client ID: B-63

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		5.0
Chloromethane	ND		5.0
Vinyl Chloride	2500		50
Bromomethane	ND		5.0
Chloroethane	ND		5.0
Trichlorofluoromethane	ND		5.0
1,1-Dichloroethene	44		5.0
Acetone	ND		250
Carbon Disulfide	ND		5.0
Methylene Chloride	ND		25
(trans) 1,2-Dichloroethene	37		5.0
1,1-Dichloroethane	27		5.0
Vinyl Acetate	ND		100
2,2-Dichloropropane	ND		5.0
(cis) 1,2-Dichloroethene	3700		50
2-Butanone	ND		500
Chloroform	13		5.0
1,1,1-Trichloroethane	ND		25
Carbon Tetrachloride	ND		5.0
1,1-Dichloropropene	ND		5.0
Benzene	8.1		5.0
1,2-Dichloroethane	ND		5.0
Trichloroethene	920		5.0
1,2-Dichloropropane	ND		5.0
Dibromomethane	ND		50
Bromodichloromethane	ND		25
2-Chloroethyl Vinyl Ether	ND		100
(cis) 1,3-Dichloropropene	ND		5.0
Toluene	250		5.0
(trans) 1,3-Dichloropropene	ND		5.0
1,1,2-Trichloroethane	ND		5.0
Tetrachloroethene	40		5.0
1,3-Dichloropropane	ND		5.0

Date of Report: July 22, 1999
Samples Submitted: July 16, 1999
Lab Traveler: 07-122
Project: 32-0039

VOLATILES by EPA 8260B

Lab ID: 07-122-06
Client ID: B-63

Compound	Results	Flags	PQL
Methyl Isobutyl Ketone	ND		100
Dibromochloromethane	ND		5.0
1,2-Dibromoethane	ND		5.0
Chlorobenzene	ND		5.0
1,1,1,2-Tetrachloroethane	ND		5.0
Ethylbenzene	30		5.0
m,p-Xylene	ND		10
o-Xylene	11		5.0
Styrene	ND		5.0
Bromoform	ND		5.0
Isopropylbenzene	ND		5.0
Bromobenzene	ND		5.0
1,1,2,2-Tetrachloroethane	ND		25
1,2,3-Trichloropropane	ND		25
n-Propylbenzene	ND		5.0
2-Chlorotoluene	ND		5.0
4-Chlorotoluene	ND		5.0
1,3,5-Trimethylbenzene	ND		5.0
tert-Butylbenzene	ND		5.0
1,2,4-Trimethylbenzene	7.2		5.0
sec-Butylbenzene	ND		5.0
1,3-Dichlorobenzene	ND		5.0
p-Isopropyltoluene	ND		5.0
1,4-Dichlorobenzene	ND		5.0
1,2-Dichlorobenzene	ND		5.0
n-Butylbenzene	ND		5.0
1,2-Dibromo-3-chloropropane	ND		50
1,2,4-Trichlorobenzene	ND		5.0
Hexachlorobutadiene	ND		50
Naphthalene	ND		50
1,2,3-Trichlorobenzene	ND		5.0

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	102	71-133
Toluene-d8	100	80-151
4-Bromofluorobenzene	122	75-139

Date of Report: July 22, 1999
Samples Submitted: July 16, 1999
Lab Traveler: 07-122
Project: 32-0039

VOLATILES by EPA 8260B

Date Extracted:	7-21-99
Date Analyzed:	7-21-99
Matrix:	Water
Units:	ug/L (ppb)
Lab ID:	07-122-09
Client ID:	**B-63 DUP**

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		5.0
Chloromethane	ND		5.0
Vinyl Chloride	2400		50
Bromomethane	ND		5.0
Chloroethane	ND		5.0
Trichlorofluoromethane	ND		5.0
1,1-Dichloroethene	42		5.0
Acetone	ND		250
Carbon Disulfide	ND		5.0
Methylene Chloride	ND		25
(trans) 1,2-Dichloroethene	35		5.0
1,1-Dichloroethane	25		5.0
Vinyl Acetate	ND		100
2,2-Dichloropropane	ND		5.0
(cis) 1,2-Dichloroethene	3500		50
2-Butanone	ND		500
Chloroform	14		5.0
1,1,1-Trichloroethane	ND		25
Carbon Tetrachloride	ND		5.0
1,1-Dichloropropene	ND		5.0
Benzene	7.5		5.0
1,2-Dichloroethane	ND		5.0
Trichloroethene	940		5.0
1,2-Dichloropropane	ND		5.0
Dibromomethane	ND		50
Bromodichloromethane	ND		25
2-Chloroethyl Vinyl Ether	ND		100
(cis) 1,3-Dichloropropene	ND		5.0
Toluene	260		5.0
(trans) 1,3-Dichloropropene	ND		5.0
1,1,2-Trichloroethane	ND		5.0
Tetrachloroethene	8.7		5.0
1,3-Dichloropropane	ND		5.0

Date of Report: July 22, 1999
Samples Submitted: July 16, 1999
Lab Traveler: 07-122
Project: 32-0039

VOLATILES by EPA 8260B
page 2 of 2

Lab ID: 07-122-09
Client ID: B-63 DUP

Compound	Results	Flags	PQL
Methyl Isobutyl Ketone	ND		100
Dibromochloromethane	ND		5.0
1,2-Dibromoethane	ND		5.0
Chlorobenzene	ND		5.0
1,1,1,2-Tetrachloroethane	ND		5.0
Ethylbenzene	30		5.0
m,p-Xylene	27		10
o-Xylene	9.8		5.0
Styrene	ND		5.0
Bromoform	ND		5.0
Isopropylbenzene	ND		5.0
Bromobenzene	ND		5.0
1,1,2,2-Tetrachloroethane	ND		25
1,2,3-Trichloropropane	ND		25
n-Propylbenzene	ND		5.0
2-Chlorotoluene	ND		5.0
4-Chlorotoluene	ND		5.0
1,3,5-Trimethylbenzene	ND		5.0
tert-Butylbenzene	ND		5.0
1,2,4-Trimethylbenzene	7.2		5.0
sec-Butylbenzene	ND		5.0
1,3-Dichlorobenzene	ND		5.0
p-Isopropyltoluene	ND		5.0
1,4-Dichlorobenzene	ND		5.0
1,2-Dichlorobenzene	ND		5.0
n-Butylbenzene	ND		5.0
1,2-Dibromo-3-chloropropane	ND		50
1,2,4-Trichlorobenzene	ND		5.0
Hexachlorobutadiene	ND		50
Naphthalene	ND		50
1,2,3-Trichlorobenzene	ND		5.0

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	97	71-133
Toluene-d8	105	80-151
4-Bromofluorobenzene	125	75-139

Date of Report: July 26, 1999
Samples Submitted: July 16, 1999
Lab Traveler: 07-122
Project: 32-0039

SEMIVOLATILES by EPA 8270C
page 1 of 3

Date Extracted:	7-19-99
Date Analyzed:	7-20-99
Matrix:	Water
Units:	ug/L (ppb)
Lab ID:	07-122-06
Client ID:	**B-63**

Compound:	Results	Flags	PQL
Aniline	ND		1.0
bis(2-Chloroethyl)ether	ND		10
Phenol	ND		1.0
2-Chlorophenol	ND		1.0
1,3-Dichlorobenzene	ND		1.0
1,4-Dichlorobenzene	ND		1.0
1,2-Dichlorobenzene	ND		1.0
Benzyl alcohol	ND		1.0
bis(2-chloroisopropyl)ether	ND		1.0
2-Methylphenol	ND		1.0
Hexachloroethane	ND		1.0
N-Nitroso-di-n-propylamine	ND		1.0
4-Methylphenol	ND		1.0
Nitrobenzene	ND		1.0
Isophorone	ND		1.0
2-Nitrophenol	ND		10
2,4-Dimethylphenol	ND		1.0
bis(2-Chloroethoxy)methane	ND		1.0
2,4-Dichlorophenol	ND		1.0
Benzoic acid	ND		10
1,2,4-Trichlorobenzene	ND		1.0
Naphthalene	ND		1.0
4-Chloroaniline	ND		1.0
Hexachlorobutadiene	ND		1.0
4-Chloro-3-methylphenol	ND		1.0
2-Methylnaphthalene	ND		1.0

Date of Report: July 26, 1999
Samples Submitted: July 16, 1999
Lab Traveler: 07-122
Project: 32-0039

SEMIVOLATILES by EPA 8270C
page 2 of 3

Lab ID: 07-122-06
Client ID: B-63

Compound:	Results	Flags	PQL
Hexachlorocyclopentadiene	ND		1.0
2,4,6-Trichlorophenol	ND		1.0
2,4,5-Trichlorophenol	ND		1.0
2-Chloronaphthalene	ND		1.0
2-Nitroaniline	ND		1.0
Acenaphthylene	ND		1.0
Dimethylphthalate	ND		1.0
2,6-Dinitrotoluene	ND		1.0
Acenaphthene	ND		1.0
3-Nitroaniline	ND		1.0
2,4-Dinitrophenol	ND		10
Dibenzofuran	ND		1.0
2,4-Dinitrotoluene	ND		1.0
4-Nitrophenol	ND		10
Fluorene	ND		1.0
4-Chlorophenyl-phenylether	ND		1.0
Diethylphthalate	ND		1.0
4-Nitroaniline	ND		1.0
4,6-Dinitro-2-methylphenol	ND		10
n-Nitrosodiphenylamine	ND		10
4-Bromophenyl-phenylether	ND		1.0
Hexachlorobenzene	ND		1.0
Pentachlorophenol	ND		10
Phenanthrene	ND		1.0
Anthracene	ND		1.0
Carbazole	ND		1.0
Di-n-butylphthalate	ND		1.0
Fluoranthene	ND		1.0
Benzidine	ND		1.0
Pyrene	ND		1.0

Date of Report: July 26, 1999
Samples Submitted: July 16, 1999
Lab Traveler: 07-122
Project: 32-0039

SEMIVOLATILES by EPA 8270C
page 3 of 3

Lab ID: 07-122-06
Client ID: B-63

Compound:	Results	Flags	PQL
Butylbenzylphthalate	ND		1.0
3,3'-Dichlorobenzidine	ND		1.0
Benzo[a]anthracene	ND		1.0
Chrysene	ND		1.0
bis(2-Ethylhexyl)phthalate	ND		1.0
Di-n-octylphthalate	ND		10
Benzo[b]fluoranthene	ND		1.0
Benzo[k]fluoranthene	ND		1.0
Benzo[a]pyrene	ND		1.0
Indeno[1,2,3-cd]pyrene	ND		1.0
Dibenz[a,h]anthracene	ND		1.0
Benzo[g,h,i]perylene	ND		1.0

Surrogate :	Percent Recovery		Control Limits
2-Fluorophenol	19	Q	21 - 100
Phenol-d6	18		10 - 94
Nitrobenzene-d5	37		35 - 114
2-Fluorobiphenyl	46		43 - 116
2,4,6-Tribromophenol	66		10 - 123
Terphenyl-d14	74		33 - 144

Date of Report: July 22, 1999
Samples Submitted: July 16, 1999
Lab Traveler: 07-122
Project: 32-0039

VOLATILES by EPA 8260B
page 1 of 2

Date Extracted:	7-21-99
Date Analyzed:	7-21-99
Matrix:	Water
Units:	ug/L (ppb)
Lab ID:	07-122-07
Client ID:	**B-64**

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		5.0
Chloromethane	ND		5.0
Vinyl Chloride	ND		5.0
Bromomethane	ND		5.0
Chloroethane	ND		5.0
Trichlorofluoromethane	ND		5.0
1,1-Dichloroethene	ND		5.0
Acetone	ND		250
Carbon Disulfide	ND		5.0
Methylene Chloride	ND		25
(trans) 1,2-Dichloroethene	ND		5.0
1,1-Dichloroethane	ND		5.0
Vinyl Acetate	ND		100
2,2-Dichloropropane	ND		5.0
(cis) 1,2-Dichloroethene	ND		5.0
2-Butanone	ND		500
Chloroform	ND		5.0
1,1,1-Trichloroethane	ND		25
Carbon Tetrachloride	ND		5.0
1,1-Dichloropropene	ND		5.0
Benzene	ND		5.0
1,2-Dichloroethane	ND		5.0
Trichloroethene	14		5.0
1,2-Dichloropropane	ND		5.0
Dibromomethane	ND		50
Bromodichloromethane	ND		25
2-Chloroethyl Vinyl Ether	ND		100
(cis) 1,3-Dichloropropene	ND		5.0
Toluene	ND		5.0
(trans) 1,3-Dichloropropene	ND		5.0
1,1,2-Trichloroethane	ND		5.0
Tetrachloroethene	61		5.0
1,3-Dichloropropane	ND		5.0

Date of Report: July 22, 1999
Samples Submitted: July 16, 1999
Lab Traveler: 07-122
Project: 32-0039

VOLATILES by EPA 8260B
page 2 of 2

Lab ID: 07-122-07
Client ID: B-64

Compound	Results	Flags	PQL
Methyl Isobutyl Ketone	ND		100
Dibromochloromethane	ND		5.0
1,2-Dibromoethane	ND		5.0
Chlorobenzene	ND		5.0
1,1,1,2-Tetrachloroethane	ND		5.0
Ethylbenzene	ND		5.0
m,p-Xylene	ND		10
o-Xylene	ND		5.0
Styrene	ND		5.0
Bromoform	ND		5.0
Isopropylbenzene	ND		5.0
Bromobenzene	ND		5.0
1,1,2,2-Tetrachloroethane	ND		25
1,2,3-Trichloropropane	ND		25
n-Propylbenzene	ND		5.0
2-Chlorotoluene	ND		5.0
4-Chlorotoluene	ND		5.0
1,3,5-Trimethylbenzene	ND		5.0
tert-Butylbenzene	ND		5.0
1,2,4-Trimethylbenzene	ND		5.0
sec-Butylbenzene	ND		5.0
1,3-Dichlorobenzene	ND		5.0
p-Isopropyltoluene	ND		5.0
1,4-Dichlorobenzene	ND		5.0
1,2-Dichlorobenzene	ND		5.0
n-Butylbenzene	ND		5.0
1,2-Dibromo-3-chloropropane	ND		50
1,2,4-Trichlorobenzene	ND		5.0
Hexachlorobutadiene	ND		50
Naphthalene	ND		50
1,2,3-Trichlorobenzene	ND		5.0

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	98	71-133
Toluene-d8	104	80-151
4-Bromofluorobenzene	119	75-139

Date of Report: July 22, 1999
Samples Submitted: July 16, 1999
Lab Traveler: 07-122
Project: 32-0039

VOLATILES by EPA 8260B
page 1 of 2

Date Extracted:	7-21-99
Date Analyzed:	7-21-99
Matrix:	Water
Units:	ug/L (ppb)
Lab ID:	07-122-08
Client ID:	**B-65**

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		5.0
Chloromethane	ND		5.0
Vinyl Chloride	11000		100
Bromomethane	ND		5.0
Chloroethane	ND		5.0
Trichlorofluoromethane	ND		5.0
1,1-Dichloroethene	230		5.0
Acetone	ND		250
Carbon Disulfide	ND		5.0
Methylene Chloride	ND		25
(trans) 1,2-Dichloroethene	340		5.0
1,1-Dichloroethane	47		5.0
Vinyl Acetate	ND		100
2,2-Dichloropropane	ND		5.0
(cis) 1,2-Dichloroethene	47000		100
2-Butanone	ND		500
Chloroform	ND		5.0
1,1,1-Trichloroethane	ND		25
Carbon Tetrachloride	ND		5.0
1,1-Dichloropropene	ND		5.0
Benzene	8.7		5.0
1,2-Dichloroethane	ND		5.0
Trichloroethene	57		5.0
1,2-Dichloropropane	ND		5.0
Dibromomethane	ND		50
Bromodichloromethane	ND		25
2-Chloroethyl Vinyl Ether	ND		100
(cis) 1,3-Dichloropropene	ND		5.0
Toluene	98		5.0
(trans) 1,3-Dichloropropene	ND		5.0
1,1,2-Trichloroethane	ND		5.0
Tetrachloroethene	15		5.0
1,3-Dichloropropane	ND		5.0

Date of Report: July 22, 1999
Samples Submitted: July 16, 1999
Lab Traveler: 07-122
Project: 32-0039

VOLATILES by EPA 8260B
page 2 of 2

Lab ID: 07-122-08
Client ID: B-65

Compound	Results	Flags	PQL
Methyl Isobutyl Ketone	ND		100
Dibromochloromethane	ND		5.0
1,2-Dibromoethane	ND		5.0
Chlorobenzene	ND		5.0
1,1,1,2-Tetrachloroethane	ND		5.0
Ethylbenzene	84		5.0
m,p-Xylene	ND		10
o-Xylene	ND		5.0
Styrene	ND		5.0
Bromoform	ND		5.0
Isopropylbenzene	ND		5.0
Bromobenzene	ND		5.0
1,1,2,2-Tetrachloroethane	ND		25
1,2,3-Trichloropropane	ND		25
n-Propylbenzene	ND		5.0
2-Chlorotoluene	ND		5.0
4-Chlorotoluene	ND		5.0
1,3,5-Trimethylbenzene	ND		5.0
tert-Butylbenzene	ND		5.0
1,2,4-Trimethylbenzene	ND		5.0
sec-Butylbenzene	ND		5.0
1,3-Dichlorobenzene	ND		5.0
p-Isopropyltoluene	ND		5.0
1,4-Dichlorobenzene	ND		5.0
1,2-Dichlorobenzene	ND		5.0
n-Butylbenzene	ND		5.0
1,2-Dibromo-3-chloropropane	ND		50
1,2,4-Trichlorobenzene	ND		5.0
Hexachlorobutadiene	ND		50
Naphthalene	ND		50
1,2,3-Trichlorobenzene	ND		5.0

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	104	71-133
Toluene-d8	103	80-151
4-Bromofluorobenzene	120	75-139

Date of Report: July 22, 1999
Samples Submitted: July 16, 1999
Lab Traveler: 07-122
Project: 32-0039

VOLATILES by EPA 8260B
page 1 of 2

Date Extracted:	7-21-99
Date Analyzed:	7-21-99
Matrix:	Water
Units:	ug/L (ppb)
Lab ID:	07-122-10
Client ID:	**B-71**

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		5.0
Chloromethane	ND		5.0
Vinyl Chloride	ND		5.0
Bromomethane	ND		5.0
Chloroethane	ND		5.0
Trichlorofluoromethane	ND		5.0
1,1-Dichloroethene	ND		5.0
Acetone	ND		250
Carbon Disulfide	ND		5.0
Methylene Chloride	ND		25
(trans) 1,2-Dichloroethene	ND		5.0
1,1-Dichloroethane	ND		5.0
Vinyl Acetate	ND		100
2,2-Dichloropropane	ND		5.0
(cis) 1,2-Dichloroethene	ND		5.0
2-Butanone	ND		500
Chloroform	ND		5.0
1,1,1-Trichloroethane	ND		25
Carbon Tetrachloride	ND		5.0
1,1-Dichloropropene	ND		5.0
Benzene	ND		5.0
1,2-Dichloroethane	ND		5.0
Trichloroethene	ND		5.0
1,2-Dichloropropane	ND		5.0
Dibromomethane	ND		50
Bromodichloromethane	ND		25
2-Chloroethyl Vinyl Ether	ND		100
(cis) 1,3-Dichloropropene	ND		5.0
Toluene	ND		5.0
(trans) 1,3-Dichloropropene	ND		5.0
1,1,2-Trichloroethane	ND		5.0
Tetrachloroethene	ND		5.0
1,3-Dichloropropane	ND		5.0

Date of Report: July 22, 1999
Samples Submitted: July 16, 1999
Lab Traveler: 07-122
Project: 32-0039

VOLATILES by EPA 8260B
page 2 of 2

Lab ID: 07-122-10
Client ID: B-71

Compound	Results	Flags	PQL
Methyl Isobutyl Ketone	ND		100
Dibromochloromethane	ND		5.0
1,2-Dibromoethane	ND		5.0
Chlorobenzene	ND		5.0
1,1,1,2-Tetrachloroethane	ND		5.0
Ethylbenzene	ND		5.0
m,p-Xylene	ND		10
o-Xylene	ND		5.0
Styrene	ND		5.0
Bromoform	ND		5.0
Isopropylbenzene	ND		5.0
Bromobenzene	ND		5.0
1,1,2,2-Tetrachloroethane	ND		25
1,2,3-Trichloropropane	ND		25
n-Propylbenzene	ND		5.0
2-Chlorotoluene	ND		5.0
4-Chlorotoluene	ND		5.0
1,3,5-Trimethylbenzene	ND		5.0
tert-Butylbenzene	ND		5.0
1,2,4-Trimethylbenzene	ND		5.0
sec-Butylbenzene	ND		5.0
1,3-Dichlorobenzene	ND		5.0
p-Isopropyltoluene	ND		5.0
1,4-Dichlorobenzene	ND		5.0
1,2-Dichlorobenzene	ND		5.0
n-Butylbenzene	ND		5.0
1,2-Dibromo-3-chloropropane	ND		50
1,2,4-Trichlorobenzene	ND		5.0
Hexachlorobutadiene	ND		50
Naphthalene	ND		50
1,2,3-Trichlorobenzene	ND		5.0

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	97	71-133
Toluene-d8	103	80-151
4-Bromofluorobenzene	124	75-139

Date of Report: July 22, 1999
Samples Submitted: July 16, 1999
Lab Traveler: 07-122
Project: 32-0039

VOLATILES by EPA 8260B
SB/SBD QUALITY CONTROL

Date Extracted: 7-21-99
Date Analyzed: 7-21-99

Matrix: Water
Units: ug/L (ppb)

Lab ID: SB0721W1

Compound	Spike Amount	SB	Percent Recovery	SBD	Percent Recovery	RPD	Flags
1,1-Dichloroethene	50.0	32.3	65	33.6	67	4.2	I
Benzene	50.0	45.9	92	47.0	94	2.4	
Trichloroethene	50.0	45.8	92	47.7	95	4.1	
Toluene	50.0	50.7	101	50.2	100	0.94	
Chlorobenzene	50.0	54.6	109	56.0	112	2.5	

Date of Report: July 26, 1999
Samples Submitted: July 16, 1999
Lab Traveler: 07-122
Project: 32-0039

SEMIVOLATILES by EPA 8270C
MS/MSD QUALITY CONTROL

Date Extracted: 7-19-99
Date Analyzed: 7-20-99

Matrix: Water
Units: ug/L (ppb)

Lab ID: SB0719W1

Compound:	Spike Amount	SB	Percent Recovery	SBD	Percent Recovery	RPD	Flags
Phenol	100	21.5	21	33.1	33	42	L
2-Chlorophenol	100	61.0	61	58.0	58	5.0	
1,4-Dichlorobenzene	50.0	30.1	60	27.1	54	11	
N-Nitroso-di-n-propylamine	50.0	30.6	61	27.6	55	10	
1,2,4-Trichlorobenzene	50.0	29.3	59	27.3	55	6.9	
4-Chloro-3-methylphenol	100	58.3	58	54.8	55	6.2	
Acenaphthene	50.0	34.2	68	31.4	63	8.5	
2,4-Dinitrotoluene	50.0	36.5	73	30.4	61	18	
4-Nitrophenol	100	33.3	33	45.3	45	30	L
Pentachlorophenol	100	64.8	65	52.8	53	20	
Pyrene	50.0	39.6	79	33.5	67	17	

Date of Report: July 26, 1999
Samples Submitted: July 16, 1999
Lab Traveler: 07-122
Project: 32-0039

SEMIVOLATILES by EPA 8270C
METHOD BLANK QUALITY CONTROL
page 1 of 3

Date Extracted:	7-19-99
Date Analyzed:	7-20-99
Matrix:	Water
Units:	ug/L (ppb)
Lab ID:	MB0719W1

Compound:	Results	Flags	PQL
Aniline	ND		1.0
bis(2-Chloroethyl)ether	ND		10
Phenol	ND		1.0
2-Chlorophenol	ND		1.0
1,3-Dichlorobenzene	ND		1.0
1,4-Dichlorobenzene	ND		1.0
1,2-Dichlorobenzene	ND		1.0
Benzyl alcohol	ND		1.0
bis(2-chloroisopropyl)ether	ND		1.0
2-Methylphenol	ND		1.0
Hexachloroethane	ND		1.0
N-Nitroso-di-n-propylamine	ND		1.0
4-Methylphenol	ND		1.0
Nitrobenzene	ND		1.0
Isophorone	ND		1.0
2-Nitrophenol	ND		10
2,4-Dimethylphenol	ND		1.0
bis(2-Chloroethoxy)methane	ND		1.0
2,4-Dichlorophenol	ND		1.0
Benzoic acid	ND		10
1,2,4-Trichlorobenzene	ND		1.0
Naphthalene	ND		1.0
4-Chloroaniline	ND		1.0
Hexachlorobutadiene	ND		1.0
4-Chloro-3-methylphenol	ND		1.0
2-Methylnaphthalene	ND		1.0

Date of Report: July 26, 1999
Samples Submitted: July 16, 1999
Lab Traveler: 07-122
Project: 32-0039

SEMIVOLATILES by EPA 8270C
METHOD BLANK QUALITY CONTROL
page 2 of 3

Lab ID: MB0719W1

Compound:	Results	Flags	PQL
Hexachlorocyclopentadiene	ND		1.0
2,4,6-Trichlorophenol	ND		1.0
2,4,5-Trichlorophenol	ND		1.0
2-Chloronaphthalene	ND		1.0
2-Nitroaniline	ND		1.0
Acenaphthylene	ND		1.0
Dimethylphthalate	ND		1.0
2,6-Dinitrotoluene	ND		1.0
Acenaphthene	ND		1.0
3-Nitroaniline	ND		1.0
2,4-Dinitrophenol	ND		10
Dibenzofuran	ND		1.0
2,4-Dinitrotoluene	ND		1.0
4-Nitrophenol	ND		10
Fluorene	ND		1.0
4-Chlorophenyl-phenylether	ND		1.0
Diethylphthalate	ND		1.0
4-Nitroaniline	ND		1.0
4,6-Dinitro-2-methylphenol	ND		10
n-Nitrosodiphenylamine	ND		10
4-Bromophenyl-phenylether	ND		1.0
Hexachlorobenzene	ND		1.0
Pentachlorophenol	ND		10
Phenanthrene	ND		1.0
Anthracene	ND		1.0
Carbazole	ND		1.0
Di-n-butylphthalate	ND		1.0
Fluoranthene	ND		1.0
Benzidine	ND		1.0
Pyrene	ND		1.0

Date of Report: July 26, 1999
Samples Submitted: July 16, 1999
Lab Traveler: 07-122
Project: 32-0039

SEMIVOLATILES by EPA 8270C
METHOD BLANK QUALITY CONTROL
page 3 of 3

Lab ID: MB0719W1

Compound:	Results	Flags	PQL
Butylbenzylphthalate	ND		1.0
3,3'-Dichlorobenzidine	ND		1.0
Benzo[a]anthracene	ND		1.0
Chrysene	ND		1.0
bis(2-Ethylhexyl)phthalate	ND		1.0
Di-n-octylphthalate	ND		10
Benzo[b]fluoranthene	ND		1.0
Benzo[k]fluoranthene	ND		1.0
Benzo[a]pyrene	ND		1.0
Indeno[1,2,3-cd]pyrene	ND		1.0
Dibenz[a,h]anthracene	ND		1.0
Benzo[g,h,i]perylene	ND		1.0

Surrogate :	Percent Recovery	Control Limits
2-Fluorophenol	38	21 - 100
Phenol-d6	27	10 - 94
Nitrobenzene-d5	59	35 - 114
2-Fluorobiphenyl	66	43 - 116
2,4,6-Tribromophenol	75	10 - 123
Terphenyl-d14	74	33 - 144

Date of Report: July 22, 1999
Samples Submitted: July 16, 1999
Lab Traveler: 07-122
Project: 32-0039

VOLATILES by EPA 8260B
METHOD BLANK QUALITY CONTROL
page 1 of 2

Date Extracted:	7-21-99
Date Analyzed:	7-21-99
Matrix:	Water
Units:	ug/L (ppb)
Lab ID:	MB0720W2

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		1.0
Chloromethane	ND		1.0
Vinyl Chloride	ND		1.0
Bromomethane	ND		1.0
Chloroethane	ND		1.0
Trichlorofluoromethane	ND		1.0
1,1-Dichloroethene	ND		1.0
Acetone	ND		50
Carbon Disulfide	ND		1.0
Methylene Chloride	ND		5.0
(trans) 1,2-Dichloroethene	ND		1.0
1,1-Dichloroethane	ND		1.0
Vinyl Acetate	ND		20
2,2-Dichloropropane	ND		1.0
(cis) 1,2-Dichloroethene	ND		1.0
2-Butanone	ND		100
Chloroform	ND		1.0
1,1,1-Trichloroethane	ND		5.0
Carbon Tetrachloride	ND		1.0
1,1-Dichloropropene	ND		1.0
Benzene	ND		1.0
1,2-Dichloroethane	ND		1.0
Trichloroethene	ND		1.0
1,2-Dichloropropane	ND		1.0
Dibromomethane	ND		10
Bromodichloromethane	ND		5.0
2-Chloroethyl Vinyl Ether	ND		20
(cis) 1,3-Dichloropropene	ND		1.0
Toluene	ND		1.0
(trans) 1,3-Dichloropropene	ND		1.0
1,1,2-Trichloroethane	ND		1.0
Tetrachloroethene	ND		1.0
1,3-Dichloropropane	ND		1.0

Date of Report: July 22, 1999
Samples Submitted: July 16, 1999
Lab Traveler: 07-122
Project: 32-0039

VOLATILES by EPA 8260B
METHOD BLANK QUALITY CONTROL
page 2 of 2

Lab ID: MB0720W2

Compound	Results	Flags	PQL
Methyl Isobutyl Ketone	ND		20
Dibromochloromethane	ND		1.0
1,2-Dibromoethane	ND		1.0
Chlorobenzene	ND		1.0
1,1,1,2-Tetrachloroethane	ND		1.0
Ethylbenzene	ND		1.0
m,p-Xylene	ND		2.0
o-Xylene	ND		1.0
Styrene	ND		1.0
Bromoform	ND		1.0
Isopropylbenzene	ND		1.0
Bromobenzene	ND		1.0
1,1,2,2-Tetrachloroethane	ND		5.0
1,2,3-Trichloropropane	ND		5.0
n-Propylbenzene	ND		1.0
2-Chlorotoluene	ND		1.0
4-Chlorotoluene	ND		1.0
1,3,5-Trimethylbenzene	ND		1.0
tert-Butylbenzene	ND		1.0
1,2,4-Trimethylbenzene	ND		1.0
sec-Butylbenzene	ND		1.0
1,3-Dichlorobenzene	ND		1.0
p-Isopropyltoluene	ND		1.0
1,4-Dichlorobenzene	ND		1.0
1,2-Dichlorobenzene	ND		1.0
n-Butylbenzene	ND		1.0
1,2-Dibromo-3-chloropropane	ND		10
1,2,4-Trichlorobenzene	ND		1.0
Hexachlorobutadiene	ND		10
Naphthalene	ND		10
1,2,3-Trichlorobenzene	ND		1.0

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	98	71-133
Toluene-d8	106	80-151
4-Bromofluorobenzene	124	75-139

Date of Report: September 27, 1999
Samples Submitted: September 17, 1999
Lab Traveler: 09-115
Project: 32-0039

VOLATILES by EPA 8260B
Page 1 of 2

Date Extracted: 9-20-99
Date Analyzed: 9-21-99

Matrix: Soil
Units: mg/Kg (ppm)

Lab ID: 09-115-01
Client ID: B20A-12.5

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		0.062
Chloromethane	ND		0.062
Vinyl Chloride	ND		0.062
Bromomethane	ND		0.062
Chloroethane	ND		0.062
Trichlorofluoromethane	ND		0.062
1,1-Dichloroethene	ND		0.062
Acetone	ND		3.1
Carbon Disulfide	ND		0.062
Methylene Chloride	0.65	B	0.31
(trans) 1,2-Dichloroethene	ND		0.062
1,1-Dichloroethane	ND		0.062
Vinyl Acetate	ND		1.2
2,2-Dichloropropane	ND		0.062
(cis) 1,2-Dichloroethene	ND		0.062
2-Butanone	ND		6.2
Chloroform	ND		0.062
1,1,1-Trichloroethane	ND		0.31
Carbon Tetrachloride	ND		0.062
1,1-Dichloropropene	ND		0.062
Benzene	ND		0.062
1,2-Dichloroethane	ND		0.062
Trichloroethene	ND		0.062
1,2-Dichloropropane	ND		0.062
Dibromomethane	ND		0.62
Bromodichloromethane	ND		0.31
2-Chloroethyl Vinyl Ether	ND		1.2
(cis) 1,3-Dichloropropene	ND		0.062
Toluene	ND		0.062
(trans) 1,3-Dichloropropene	ND		0.062
1,1,2-Trichloroethane	ND		0.062
Tetrachloroethene	0.38		0.062
1,3-Dichloropropane	ND		0.062

Date of Report: September 27, 1999
Samples Submitted: September 17, 1999
Lab Traveler: 09-115
Project: 32-0039

VOLATILES by EPA 8260B
Page 2 of 2

Lab ID: 09-115-01
Client ID: B20A-12.5

Compound	Results	Flags	PQL
Methyl Isobutyl Ketone	ND		1.2
Dibromochloromethane	ND		0.062
1,2-Dibromoethane	ND		0.062
Chlorobenzene	ND		0.062
1,1,1,2-Tetrachloroethane	ND		0.062
Ethylbenzene	ND		0.062
m,p-Xylene	ND		0.12
o-Xylene	ND		0.062
Styrene	ND		0.062
Bromoform	ND		0.062
Isopropylbenzene	ND		0.062
Bromobenzene	ND		0.062
1,1,2,2-Tetrachloroethane	ND		0.31
1,2,3-Trichloropropane	ND		0.31
n-Propylbenzene	ND		0.062
2-Chlorotoluene	ND		0.062
4-Chlorotoluene	ND		0.062
1,3,5-Trimethylbenzene	ND		0.062
tert-Butylbenzene	ND		0.062
1,2,4-Trimethylbenzene	ND		0.062
sec-Butylbenzene	ND		0.062
1,3-Dichlorobenzene	ND		0.062
p-Isopropyltoluene	ND		0.062
1,4-Dichlorobenzene	ND		0.062
1,2-Dichlorobenzene	ND		0.062
n-Butylbenzene	ND		0.062
1,2-Dibromo-3-chloropropane	ND		0.62
1,2,4-Trichlorobenzene	ND		0.062
Hexachlorobutadiene	ND		0.62
Naphthalene	ND		0.62
1,2,3-Trichlorobenzene	ND		0.062

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	98	65-125
Toluene-d8	103	77-116
4-Bromofluorobenzene	102	67-133

Date of Report: September 27, 1999
Samples Submitted: September 17, 1999
Lab Traveler: 09-115
Project: 32-0039

Pentachlorophenol by EPA 8270C

Date Extracted:	9-17-99
Date Analyzed:	9-20-99
Matrix:	Soil
Units:	mg/Kg (ppm)
Lab ID:	09-115-02
Client ID:	**B20A-13**

Compound:	**Results**	**Flags**	**PQL**
Pentachlorophenol	ND		0.42

Surrogate :	**Percent Recovery**	**Control Limits**
2-Fluorophenol	53	25 - 121
Phenol-d6	54	24 - 113
Nitrobenzene-d5	67	23 - 120
2-Fluorobiphenyl	74	30 - 115
2,4,6-Tribromophenol	84	19 - 122
Terphenyl-d14	101	18 - 137

Date of Report: September 27, 1999
Samples Submitted: September 17, 1999
Lab Traveler: 09-115
Project: 32-0039

VOLATILES by EPA 8260B
METHOD BLANK QUALITY CONTROL
Page 1 of 2

Date Extracted:	9-20-99
Date Analyzed:	9-20-99
Matrix:	Soil
Units:	mg/Kg (ppm)
Lab ID:	MB0920S1

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		0.050
Chloromethane	ND		0.050
Vinyl Chloride	ND		0.050
Bromomethane	ND		0.050
Chloroethane	ND		0.050
Trichlorofluoromethane	ND		0.050
1,1-Dichloroethene	ND		0.050
Acetone	ND		2.5
Carbon Disulfide	ND		0.050
Methylene Chloride	0.56		0.25
(trans) 1,2-Dichloroethene	ND		0.050
1,1-Dichloroethane	ND		0.050
Vinyl Acetate	ND		1.0
2,2-Dichloropropane	ND		0.050
(cis) 1,2-Dichloroethene	ND		0.050
2-Butanone	ND		5.0
Chloroform	ND		0.050
1,1,1-Trichloroethane	ND		0.25
Carbon Tetrachloride	ND		0.050
1,1-Dichloropropene	ND		0.050
Benzene	ND		0.050
1,2-Dichloroethane	ND		0.050
Trichloroethene	ND		0.050
1,2-Dichloropropane	ND		0.050
Dibromomethane	ND		0.50
Bromodichloromethane	ND		0.25
2-Chloroethyl Vinyl Ether	ND		1.0
(cis) 1,3-Dichloropropene	ND		0.050
Toluene	ND		0.050
(trans) 1,3-Dichloropropene	ND		0.050
1,1,2-Trichloroethane	ND		0.050
Tetrachloroethene	ND		0.050
1,3-Dichloropropane	ND		0.050

Date of Report: September 27, 1999
Samples Submitted: September 17, 1999
Lab Traveler: 09-115
Project: 32-0039

VOLATILES by EPA 8260B
METHOD BLANK QUALITY CONTROL
Page 2 of 2

Lab ID: MB0920S1

Compound	Results	Flags	PQL
Methyl Isobutyl Ketone	ND		1.0
Dibromochloromethane	ND		0.050
1,2-Dibromoethane	ND		0.050
Chlorobenzene	ND		0.050
1,1,1,2-Tetrachloroethane	ND		0.050
Ethylbenzene	ND		0.050
m,p-Xylene	ND		0.10
o-Xylene	ND		0.050
Styrene	ND		0.050
Bromoform	ND		0.050
Isopropylbenzene	ND		0.050
Bromobenzene	ND		0.050
1,1,2,2-Tetrachloroethane	ND		0.25
1,2,3-Trichloropropane	ND		0.25
n-Propylbenzene	ND		0.050
2-Chlorotoluene	ND		0.050
4-Chlorotoluene	ND		0.050
1,3,5-Trimethylbenzene	ND		0.050
tert-Butylbenzene	ND		0.050
1,2,4-Trimethylbenzene	ND		0.050
sec-Butylbenzene	ND		0.050
1,3-Dichlorobenzene	ND		0.050
p-Isopropyltoluene	ND		0.050
1,4-Dichlorobenzene	ND		0.050
1,2-Dichlorobenzene	ND		0.050
n-Butylbenzene	ND		0.050
1,2-Dibromo-3-chloropropane	ND		0.50
1,2,4-Trichlorobenzene	ND		0.050
Hexachlorobutadiene	ND		0.50
Naphthalene	ND		0.50
1,2,3-Trichlorobenzene	ND		0.050

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	108	65-125
Toluene-d8	104	77-116
4-Bromofluorobenzene	108	67-133

Date of Report: September 27, 1999
Samples Submitted: September 17, 1999
Lab Traveler: 09-115
Project: 32-0039

VOLATILES by EPA 8260B
MS/MSD QUALITY CONTROL

Date Extracted: 9-20-99
Date Analyzed: 9-21-99

Matrix: Soil
Units: mg/Kg (ppm)

Lab ID: 09-115-01 MS

Compound	Spike Amount	MS	Percent Recovery	MSD	Percent Recovery	RPD	Flags
1,1-Dichloroethene	2.50	1.49	60	1.32	53	12	I
Benzene	2.50	2.17	87	2.06	82	5.5	
Trichloroethene	2.50	1.95	78	1.86	74	4.8	
Toluene	2.50	1.97	79	2.09	84	5.9	
Chlorobenzene	2.50	2.09	84	2.12	85	1.4	

Date of Report: September 27, 1999
Samples Submitted: September 17, 1999
Lab Traveler: 09-115
Project: 32-0039

Pentachlorophenol by EPA 8270C
METHOD BLANK QUALITY CONTROL

Date Extracted:	9-17-99
Date Analyzed:	9-17-99
Matrix:	Soil
Units:	mg/Kg (ppm)
Lab ID:	MB0917S1

Compound:	Results	Flags	PQL
Pentachlorophenol	ND		0.33

Surrogate :	Percent Recovery		Control Limits
2-Fluorophenol	51		25 - 121
Phenol-d6	52		24 - 113
Nitrobenzene-d5	60		23 - 120
2-Fluorobiphenyl	23	Q	30 - 115
2,4,6-Tribromophenol	73		19 - 122
Terphenyl-d14	90		18 - 137

Date of Report: September 27, 1999
Samples Submitted: September 17, 1999
Lab Traveler: 09-115
Project: 32-0039

Pentachlorophenol by EPA 8270C

Date Extracted:	9-17-99
Date Analyzed:	9-20-99
Matrix:	Soil
Units:	mg/Kg (ppm)
Lab ID:	09-115-02
Client ID:	**B20A-13**

Compound:	Results	Flags	PQL
Pentachlorophenol	ND		0.42

Surrogate :	Percent Recovery	Control Limits
2-Fluorophenol	53	25 - 121
Phenol-d6	54	24 - 113
Nitrobenzene-d5	67	23 - 120
2-Fluorobiphenyl	74	30 - 115
2,4,6-Tribromophenol	84	19 - 122
Terphenyl-d14	101	18 - 137

Date of Report: September 27, 1999
Samples Submitted: September 17, 1999
Lab Traveler: 09-115
Project: 32-0039

Pentachlorophenol by EPA 8270C
MS/MSD QUALITY CONTROL

Date Extracted: 9-17-99
Date Analyzed: 9-17-99

Matrix: Soil
Units: mg/Kg (ppm)

Lab ID: 09-120-02

Compound:	Spike Amount	MS	Percent Recovery	MSD	Percent Recovery	RPD	Flags
Phenol	3.33	1.71	51	1.61	48	6.3	
2-Chlorophenol	3.33	1.74	52	1.69	51	2.9	
1,4-Dichlorobenzene	1.67	0.895	54	0.890	53	0.6	
N-Nitroso-di-n-propylamine	1.67	0.842	50	0.843	51	0.2	
1,2,4-Trichlorobenzene	1.67	0.972	58	0.934	56	4.0	I
4-Chloro-3-methylphenol	3.33	0.524	16	0.604	18	14	I
Acenaphthene	1.67	1.07	64	1.07	64	0.5	
2,4-Dinitrotoluene	1.67	0.963	58	0.967	58	0.5	
4-Nitrophenol	3.33	2.06	62	2.02	61	1.8	
Pentachlorophenol	3.33	1.84	55	1.81	54	1.7	
Pyrene	1.67	1.25	75	1.28	77	2.1	

Date of Report: September 27, 1999
Samples Submitted: September 17, 1999
Lab Traveler: 09-115
Project: 32-0039

Date Analyzed: 9-17-99

% MOISTURE

Client ID	Lab ID	% Moisture
B20A-12.5	09-115-01	19
B20A-13	09-115-02	20

Date of Report: December 9, 1999
Samples Submitted: July 12, 1999
Lab Traveler: 07-073
Project: 32-0039

VOLATILES by EPA 8260B
page 1 of 2

Date Extracted: 7-16-99
Date Analyzed: 7-27-99

Matrix: Soil
Units: mg/Kg (ppm)

Lab ID: 07-073-01
Client ID: **B59-30**

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		0.064
Chloromethane	ND		0.064
Vinyl Chloride	ND		0.064
Bromomethane	ND		0.064
Chloroethane	ND		0.064
Trichlorofluoromethane	ND		0.064
1,1-Dichloroethene	ND		0.064
Acetone	ND		0.32
Carbon Disulfide	ND		0.064
Methylene Chloride	ND		0.32
(trans) 1,2-Dichloroethene	ND		0.064
1,1-Dichloroethane	ND		0.064
Vinyl Acetate	ND		0.32
2,2-Dichloropropane	ND		0.064
(cis) 1,2-Dichloroethene	0.30		0.064
2-Butanone	ND		1.3
Chloroform	ND		0.064
1,1,1-Trichloroethane	ND		0.064
Carbon Tetrachloride	ND		0.064
1,1-Dichloropropene	ND		0.064
Benzene	ND		0.064
1,2-Dichloroethane	ND		0.064
Trichloroethene	ND		0.064
1,2-Dichloropropane	ND		0.064
Dibromomethane	ND		0.064
Bromodichloromethane	ND		0.064
2-Chloroethyl Vinyl Ether	ND		0.32
(cis) 1,3-Dichloropropene	ND		0.064
Toluene	ND		0.064
(trans) 1,3-Dichloropropene	ND		0.064
1,1,2-Trichloroethane	ND		0.064
Tetrachloroethene	ND		0.064
1,3-Dichloropropane	ND		0.064

Date of Report: December 9, 1999
Samples Submitted: July 12, 1999
Lab Traveler: 07-073
Project: 32-0039

VOLATILES by EPA 8260B
page 2 of 2

Lab ID: 07-073-01
Client ID: B59-30

Compound	Results	Flags	PQL
Methyl Isobutyl Ketone	ND		0.32
Dibromochloromethane	ND		0.064
1,2-Dibromoethane	ND		0.064
Chlorobenzene	ND		0.064
1,1,1,2-Tetrachloroethane	ND		0.064
Ethylbenzene	ND		0.064
m,p-Xylene	ND		0.13
o-Xylene	ND		0.064
Styrene	ND		0.064
Bromoform	ND		0.064
Isopropylbenzene	ND		0.064
Bromobenzene	ND		0.064
1,1,2,2-Tetrachloroethane	ND		0.064
1,2,3-Trichloropropane	ND		0.064
n-Propylbenzene	ND		0.064
2-Chlorotoluene	ND		0.064
4-Chlorotoluene	ND		0.064
1,3,5-Trimethylbenzene	ND		0.064
tert-Butylbenzene	ND		0.064
1,2,4-Trimethylbenzene	ND		0.064
sec-Butylbenzene	ND		0.064
1,3-Dichlorobenzene	ND		0.064
p-Isopropyltoluene	ND		0.064
1,4-Dichlorobenzene	ND		0.064
1,2-Dichlorobenzene	ND		0.064
n-Butylbenzene	ND		0.064
1,2-Dibromo-3-chloropropane	ND		0.32
1,2,4-Trichlorobenzene	ND		0.064
Hexachlorobutadiene	ND		0.064
Naphthalene	ND		0.064
1,2,3-Trichlorobenzene	ND		0.064

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	80	65-125
Toluene-d8	90	77-116
4-Bromofluorobenzene	94	67-133

Date of Report: December 9, 1999
Samples Submitted: July 12, 1999
Lab Traveler: 07-073
Project: 32-0039

VOLATILES by EPA 8260B
page 1 of 2

Date Extracted: 7-16-99
Date Analyzed: 7-23-99

Matrix: Soil
Units: mg/Kg (ppm)

Lab ID: 07-073-02
Client ID: B61-13.5

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		0.063
Chloromethane	ND		0.063
Vinyl Chloride	ND		0.063
Bromomethane	ND		0.063
Chloroethane	ND		0.063
Trichlorofluoromethane	ND		0.063
1,1-Dichloroethene	ND		0.063
Acetone	ND		0.32
Carbon Disulfide	ND		0.063
Methylene Chloride	ND		0.32
(trans) 1,2-Dichloroethene	ND		0.063
1,1-Dichloroethane	ND		0.063
Vinyl Acetate	ND		0.32
2,2-Dichloropropane	ND		0.063
(cis) 1,2-Dichloroethene	ND		0.063
2-Butanone	ND		1.3
Chloroform	ND		0.063
1,1,1-Trichloroethane	ND		0.063
Carbon Tetrachloride	ND		0.063
1,1-Dichloropropene	ND		0.063
Benzene	ND		0.063
1,2-Dichloroethane	ND		0.063
Trichloroethene	ND		0.063
1,2-Dichloropropane	ND		0.063
Dibromomethane	ND		0.063
Bromodichloromethane	ND		0.063
2-Chloroethyl Vinyl Ether	ND		0.32
(cis) 1,3-Dichloropropene	ND		0.063
Toluene	ND		0.063
(trans) 1,3-Dichloropropene	ND		0.063
1,1,2-Trichloroethane	ND		0.063
Tetrachloroethene	0.072		0.063
1,3-Dichloropropane	ND		0.063

Date of Report: December 9, 1999
Samples Submitted: July 12, 1999
Lab Traveler: 07-073
Project: 32-0039

VOLATILES by EPA 8260B
page 2 of 2

Lab ID: 07-073-02
Client ID: **B61-13.5**

Compound	**Results**	**Flags**	**PQL**
Methyl Isobutyl Ketone	ND		0.32
Dibromochloromethane	ND		0.063
1,2-Dibromoethane	ND		0.063
Chlorobenzene	ND		0.063
1,1,1,2-Tetrachloroethane	ND		0.063
Ethylbenzene	ND		0.063
m,p-Xylene	ND		0.13
o-Xylene	ND		0.063
Styrene	ND		0.063
Bromoform	ND		0.063
Isopropylbenzene	ND		0.063
Bromobenzene	ND		0.063
1,1,2,2-Tetrachloroethane	ND		0.063
1,2,3-Trichloropropane	ND		0.063
n-Propylbenzene	ND		0.063
2-Chlorotoluene	ND		0.063
4-Chlorotoluene	ND		0.063
1,3,5-Trimethylbenzene	ND		0.063
tert-Butylbenzene	ND		0.063
1,2,4-Trimethylbenzene	ND		0.063
sec-Butylbenzene	ND		0.063
1,3-Dichlorobenzene	ND		0.063
p-Isopropyltoluene	ND		0.063
1,4-Dichlorobenzene	ND		0.063
1,2-Dichlorobenzene	ND		0.063
n-Butylbenzene	ND		0.063
1,2-Dibromo-3-chloropropane	ND		0.32
1,2,4-Trichlorobenzene	ND		0.063
Hexachlorobutadiene	ND		0.063
Naphthalene	ND		0.063
1,2,3-Trichlorobenzene	ND		0.063

Surrogate	**Percent Recovery**	**Control Limits**
Dibromofluoromethane	77	65-125
Toluene-d8	83	77-116
4-Bromofluorobenzene	81	67-133

Date of Report: December 9, 1999
Samples Submitted: July 12, 1999
Lab Traveler: 07-073
Project: 32-0039

VOLATILES by EPA 8260B
page 1 of 2

Date Extracted:	7-16-99
Date Analyzed:	7-23-99
Matrix:	Soil
Units:	mg/Kg (ppm)
Lab ID:	07-073-03
Client ID:	**B61-24.5**

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		0.063
Chloromethane	ND		0.063
Vinyl Chloride	ND		0.063
Bromomethane	ND		0.063
Chloroethane	ND		0.063
Trichlorofluoromethane	ND		0.063
1,1-Dichloroethene	ND		0.063
Acetone	ND		0.31
Carbon Disulfide	ND		0.063
Methylene Chloride	ND		0.31
(trans) 1,2-Dichloroethene	ND		0.063
1,1-Dichloroethane	ND		0.063
Vinyl Acetate	ND		0.31
2,2-Dichloropropane	ND		0.063
(cis) 1,2-Dichloroethene	ND		0.063
2-Butanone	ND		1.3
Chloroform	ND		0.063
1,1,1-Trichloroethane	ND		0.063
Carbon Tetrachloride	ND		0.063
1,1-Dichloropropene	ND		0.063
Benzene	ND		0.063
1,2-Dichloroethane	ND		0.063
Trichloroethene	ND		0.063
1,2-Dichloropropane	ND		0.063
Dibromomethane	ND		0.063
Bromodichloromethane	ND		0.063
2-Chloroethyl Vinyl Ether	ND		0.31
(cis) 1,3-Dichloropropene	ND		0.063
Toluene	ND		0.063
(trans) 1,3-Dichloropropene	ND		0.063
1,1,2-Trichloroethane	ND		0.063
Tetrachloroethene	0.13		0.063
1,3-Dichloropropane	ND		0.063

Date of Report: December 9, 1999
Samples Submitted: July 12, 1999
Lab Traveler: 07-073
Project: 32-0039

VOLATILES by EPA 8260B
page 2 of 2

Lab ID: 07-073-03
Client ID: B61-24.5

Compound	Results	Flags	PQL
Methyl Isobutyl Ketone	ND		0.31
Dibromochloromethane	ND		0.063
1,2-Dibromoethane	ND		0.063
Chlorobenzene	ND		0.063
1,1,1,2-Tetrachloroethane	ND		0.063
Ethylbenzene	ND		0.063
m,p-Xylene	ND		0.13
o-Xylene	ND		0.063
Styrene	ND		0.063
Bromoform	ND		0.063
Isopropylbenzene	ND		0.063
Bromobenzene	ND		0.063
1,1,2,2-Tetrachloroethane	ND		0.063
1,2,3-Trichloropropane	ND		0.063
n-Propylbenzene	ND		0.063
2-Chlorotoluene	ND		0.063
4-Chlorotoluene	ND		0.063
1,3,5-Trimethylbenzene	ND		0.063
tert-Butylbenzene	ND		0.063
1,2,4-Trimethylbenzene	ND		0.063
sec-Butylbenzene	ND		0.063
1,3-Dichlorobenzene	ND		0.063
p-Isopropyltoluene	ND		0.063
1,4-Dichlorobenzene	ND		0.063
1,2-Dichlorobenzene	ND		0.063
n-Butylbenzene	ND		0.063
1,2-Dibromo-3-chloropropane	ND		0.31
1,2,4-Trichlorobenzene	ND		0.063
Hexachlorobutadiene	ND		0.063
Naphthalene	ND		0.063
1,2,3-Trichlorobenzene	ND		0.063

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	87	65-125
Toluene-d8	95	77-116
4-Bromofluorobenzene	86	67-133

Date of Report: December 9, 1999
Samples Submitted: July 12, 1999
Lab Traveler: 07-073
Project: 32-0039

VOLATILES by EPA 8260B
page 1 of 2

Date Extracted:	7-16-99
Date Analyzed:	7-23-99
Matrix:	Soil
Units:	mg/Kg (ppm)
Lab ID:	07-073-04
Client ID:	**B61-43.5**

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		0.061
Chloromethane	ND		0.061
Vinyl Chloride	ND		0.061
Bromomethane	ND		0.061
Chloroethane	ND		0.061
Trichlorofluoromethane	ND		0.061
1,1-Dichloroethene	ND		0.061
Acetone	ND		0.3
Carbon Disulfide	ND		0.061
Methylene Chloride	ND		0.3
(trans) 1,2-Dichloroethene	ND		0.061
1,1-Dichloroethane	ND		0.061
Vinyl Acetate	ND		0.3
2,2-Dichloropropane	ND		0.061
(cis) 1,2-Dichloroethene	0.088		0.061
2-Butanone	ND		1.2
Chloroform	ND		0.061
1,1,1-Trichloroethane	ND		0.061
Carbon Tetrachloride	ND		0.061
1,1-Dichloropropene	ND		0.061
Benzene	ND		0.061
1,2-Dichloroethane	ND		0.061
Trichloroethene	0.26		0.061
1,2-Dichloropropane	ND		0.061
Dibromomethane	ND		0.061
Bromodichloromethane	ND		0.061
2-Chloroethyl Vinyl Ether	ND		0.3
(cis) 1,3-Dichloropropene	ND		0.061
Toluene	ND		0.061
(trans) 1,3-Dichloropropene	ND		0.061
1,1,2-Trichloroethane	ND		0.061
Tetrachloroethene	0.071		0.061
1,3-Dichloropropane	ND		0.061

9

Date of Report: December 9, 1999
Samples Submitted: July 12, 1999
Lab Traveler: 07-073
Project: 32-0039

VOLATILES by EPA 8260B
page 2 of 2

Lab ID: 07-073-04
Client ID: B61-43.5

Compound	Results	Flags	PQL
Methyl Isobutyl Ketone	ND		0.3
Dibromochloromethane	ND		0.061
1,2-Dibromoethane	ND		0.061
Chlorobenzene	ND		0.061
1,1,1,2-Tetrachloroethane	ND		0.061
Ethylbenzene	ND		0.061
m,p-Xylene	ND		0.12
o-Xylene	ND		0.061
Styrene	ND		0.061
Bromoform	ND		0.061
Isopropylbenzene	ND		0.061
Bromobenzene	ND		0.061
1,1,2,2-Tetrachloroethane	ND		0.061
1,2,3-Trichloropropane	ND		0.061
n-Propylbenzene	ND		0.061
2-Chlorotoluene	ND		0.061
4-Chlorotoluene	ND		0.061
1,3,5-Trimethylbenzene	ND		0.061
tert-Butylbenzene	ND		0.061
1,2,4-Trimethylbenzene	ND		0.061
sec-Butylbenzene	ND		0.061
1,3-Dichlorobenzene	ND		0.061
p-Isopropyltoluene	ND		0.061
1,4-Dichlorobenzene	ND		0.061
1,2-Dichlorobenzene	ND		0.061
n-Butylbenzene	ND		0.061
1,2-Dibromo-3-chloropropane	ND		0.3
1,2,4-Trichlorobenzene	ND		0.061
Hexachlorobutadiene	ND		0.061
Naphthalene	ND		0.061
1,2,3-Trichlorobenzene	ND		0.061

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	75	65-125
Toluene-d8	89	77-116
4-Bromofluorobenzene	88	67-133

Date of Report: December 9, 1999
Samples Submitted: July 12, 1999
Lab Traveler: 07-073
Project: 32-0039

VOLATILES by EPA 8260B
METHOD BLANK QUALITY CONTROL
page 1 of 2

Date Extracted:	7-16-99
Date Analyzed:	7-26-99
Matrix:	Soil
Units:	mg/Kg (ppm)
Lab ID:	MB0716S1

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		0.050
Chloromethane	ND		0.050
Vinyl Chloride	ND		0.050
Bromomethane	ND		0.050
Chloroethane	ND		0.050
Trichlorofluoromethane	ND		0.050
1,1-Dichloroethene	ND		0.050
Acetone	ND		0.25
Carbon Disulfide	ND		0.050
Methylene Chloride	ND		0.25
(trans) 1,2-Dichloroethene	ND		0.050
1,1-Dichloroethane	ND		0.050
Vinyl Acetate	ND		0.25
2,2-Dichloropropane	ND		0.050
(cis) 1,2-Dichloroethene	ND		0.050
2-Butanone	ND		1.0
Chloroform	ND		0.050
1,1,1-Trichloroethane	ND		0.050
Carbon Tetrachloride	ND		0.050
1,1-Dichloropropene	ND		0.050
Benzene	ND		0.050
1,2-Dichloroethane	ND		0.050
Trichloroethene	ND		0.050
1,2-Dichloropropane	ND		0.050
Dibromomethane	ND		0.050
Bromodichloromethane	ND		0.050
2-Chloroethyl Vinyl Ether	ND		0.25
(cis) 1,3-Dichloropropene	ND		0.050
Toluene	ND		0.050
(trans) 1,3-Dichloropropene	ND		0.050
1,1,2-Trichloroethane	ND		0.050
Tetrachloroethene	ND		0.050
1,3-Dichloropropane	ND		0.050

Date of Report: December 9, 1999
Samples Submitted: July 12, 1999
Lab Traveler: 07-073
Project: 32-0039

VOLATILES by EPA 8260B
METHOD BLANK QUALITY CONTROL
page 2 of 2

Lab ID: MB0716S1

Compound	Results	Flags	PQL
Methyl Isobutyl Ketone	ND		0.25
Dibromochloromethane	ND		0.050
1,2-Dibromoethane	ND		0.050
Chlorobenzene	ND		0.050
1,1,1,2-Tetrachloroethane	ND		0.050
Ethylbenzene	ND		0.050
m,p-Xylene	ND		0.10
o-Xylene	ND		0.050
Styrene	ND		0.050
Bromoform	ND		0.050
Isopropylbenzene	ND		0.050
Bromobenzene	ND		0.050
1,1,2,2-Tetrachloroethane	ND		0.050
1,2,3-Trichloropropane	ND		0.050
n-Propylbenzene	ND		0.050
2-Chlorotoluene	ND		0.050
4-Chlorotoluene	ND		0.050
1,3,5-Trimethylbenzene	ND		0.050
tert-Butylbenzene	ND		0.050
1,2,4-Trimethylbenzene	ND		0.050
sec-Butylbenzene	ND		0.050
1,3-Dichlorobenzene	ND		0.050
p-Isopropyltoluene	ND		0.050
1,4-Dichlorobenzene	ND		0.050
1,2-Dichlorobenzene	ND		0.050
n-Butylbenzene	ND		0.050
1,2-Dibromo-3-chloropropane	ND		0.25
1,2,4-Trichlorobenzene	ND		0.050
Hexachlorobutadiene	ND		0.050
Naphthalene	ND		0.050
1,2,3-Trichlorobenzene	ND		0.050

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	107	65-125
Toluene-d8	114	77-116
4-Bromofluorobenzene	111	67-133

Date of Report: December 9, 1999
Samples Submitted: July 12, 1999
Lab Traveler: 07-073
Project: 32-0039

VOLATILES by EPA 8260B
MS/MSD QUALITY CONTROL

Date Extracted: 7-16-99
Date Analyzed: 7-27-99

Matrix: Soil
Units: mg/Kg (ppm)

Lab ID: 07-113-11 MS

Compound	Spike Amount	MS	Percent Recovery	MSD	Percent Recovery	RPD	Flags
1,1-Dichloroethene	2.50	1.03	41	1.07	43	4.3	I
Benzene	2.50	1.81	73	1.86	74	2.3	
Trichloroethene	2.50	1.75	70	2.00	80	13	
Toluene	2.50	2.29	92	2.12	85	7.8	
Chlorobenzene	2.50	2.13	85	2.31	92	7.7	

Date of Report: December 9, 1999
Samples Submitted: July 12, 1999
Lab Traveler: 07-073
Project: 32-0039

Date Analyzed: 7-16-99

% MOISTURE

Client ID	Lab ID	% Moisture
B59-30	07-073-01	22
B61-13.5	07-073-02	21
B61-24.5	07-073-03	20
B61-43.5	07-073-04	18

OnSite Environmental Inc.

DATA QUALIFIERS AND ABBREVIATIONS

A - Due to a high sample concentration, the amount spiked is insufficient for meaningful MS/MSD recovery data.

B - The analyte indicated was also found in the blank sample.

C - The duplicate RPD is outside control limits due to high result variability when analyte concentrations are within five times the quantitation limit.

D - Data from 1:____ dilution.

E - The value reported exceeds the quantitation range, and is an estimate.

F - Surrogate recovery data is not available due to the high concentration of coeluting target compounds.

G - Insufficient sample quantity for duplicate analysis.

H - The analyte indicated is a common laboratory solvent and may have been introduced during sample preparation, and be impacting the sample result.

I - Compound recovery is outside of the control limits.

J - The value reported was below the practical quantitation limit. The value is an estimate.

K - Sample duplicate RPD is outside control limits due to sample inhomogeniety. The sample was re-extracted and re-analyzed with similar results.

L - The RPD is outside of the control limits.

M - Hydrocarbons in the gasoline range (toluene-napthalene) are present in the sample.

O - Hydrocarbons outside the defined gasoline range are present in the sample; NWTPH-Dx recommended.

P - The RPD of the detected concentrations between the two columns is greater than 40.

Q - Surrogate recovery is outside of the control limits.

S - Surrogate recovery data is not available due to the necessary dilution of the sample.

T - The sample chromatogram is not similar to a typical _____.

U - The analyte was analyzed for, but was not detected above the reported sample quantitation limit.

V - Matrix Spike/Matrix Spike Duplicate recoveries are outside control limits due to matrix effects.

W - Matrix Spike/Matrix Spike Duplicate RPD are outside control limits due to matrix effects.

X - Sample extract treated with a silica gel cleanup procedure.

Y - Sample extract treated with an acid cleanup procedure.

Z -

ND - Not Detected
MRL - Method Reporting Limit
PQL - Practical Quantitation Limit
RPD - Relative Percent Difference

Date of Report: December 9, 1999
Samples Submitted: July 12, 1999
Lab Traveler: 07-073
Project: 32-0039

VOLATILES by EPA 8260B
METHOD BLANK QUALITY CONTROL
page 1 of 2

Date Extracted: 7-16-99
Date Analyzed: 7-26-99

Matrix: Soil
Units: mg/Kg (ppm)

Lab ID: MB0716S1

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		0.050
Chloromethane	ND		0.050
Vinyl Chloride	ND		0.050
Bromomethane	ND		0.050
Chloroethane	ND		0.050
Trichlorofluoromethane	ND		0.050
1,1-Dichloroethene	ND		0.050
Acetone	ND		0.25
Carbon Disulfide	ND		0.050
Methylene Chloride	ND		0.25
(trans) 1,2-Dichloroethene	ND		0.050
1,1-Dichloroethane	ND		0.050
Vinyl Acetate	ND		0.25
2,2-Dichloropropane	ND		0.050
(cis) 1,2-Dichloroethene	ND		0.050
2-Butanone	ND		1.0
Chloroform	ND		0.050
1,1,1-Trichloroethane	ND		0.050
Carbon Tetrachloride	ND		0.050
1,1-Dichloropropene	ND		0.050
Benzene	ND		0.050
1,2-Dichloroethane	ND		0.050
Trichloroethene	ND		0.050
1,2-Dichloropropane	ND		0.050
Dibromomethane	ND		0.050
Bromodichloromethane	ND		0.050
2-Chloroethyl Vinyl Ether	ND		0.25
(cis) 1,3-Dichloropropene	ND		0.050
Toluene	ND		0.050
(trans) 1,3-Dichloropropene	ND		0.050
1,1,2-Trichloroethane	ND		0.050
Tetrachloroethene	ND		0.050
1,3-Dichloropropane	ND		0.050

Date of Report: December 9, 1999
Samples Submitted: July 12, 1999
Lab Traveler: 07-073
Project: 32-0039

VOLATILES by EPA 8260B
METHOD BLANK QUALITY CONTROL
page 2 of 2

Lab ID: MB0716S1

Compound	Results	Flags	PQL
Methyl Isobutyl Ketone	ND		0.25
Dibromochloromethane	ND		0.050
1,2-Dibromoethane	ND		0.050
Chlorobenzene	ND		0.050
1,1,1,2-Tetrachloroethane	ND		0.050
Ethylbenzene	ND		0.050
m,p-Xylene	ND		0.10
o-Xylene	ND		0.050
Styrene	ND		0.050
Bromoform	ND		0.050
Isopropylbenzene	ND		0.050
Bromobenzene	ND		0.050
1,1,2,2-Tetrachloroethane	ND		0.050
1,2,3-Trichloropropane	ND		0.050
n-Propylbenzene	ND		0.050
2-Chlorotoluene	ND		0.050
4-Chlorotoluene	ND		0.050
1,3,5-Trimethylbenzene	ND		0.050
tert-Butylbenzene	ND		0.050
1,2,4-Trimethylbenzene	ND		0.050
sec-Butylbenzene	ND		0.050
1,3-Dichlorobenzene	ND		0.050
p-Isopropyltoluene	ND		0.050
1,4-Dichlorobenzene	ND		0.050
1,2-Dichlorobenzene	ND		0.050
n-Butylbenzene	ND		0.050
1,2-Dibromo-3-chloropropane	ND		0.25
1,2,4-Trichlorobenzene	ND		0.050
Hexachlorobutadiene	ND		0.050
Naphthalene	ND		0.050
1,2,3-Trichlorobenzene	ND		0.050

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	107	65-125
Toluene-d8	114	77-116
4-Bromofluorobenzene	111	67-133

Date of Report: December 9, 1999
Samples Submitted: July 12, 1999
Lab Traveler: 07-073
Project: 32-0039

VOLATILES by EPA 8260B
MS/MSD QUALITY CONTROL

Date Extracted: 7-16-99
Date Analyzed: 7-27-99

Matrix: Soil
Units: mg/Kg (ppm)

Lab ID: 07-113-11 MS

Compound	Spike Amount	MS	Percent Recovery	MSD	Percent Recovery	RPD	Flags
1,1-Dichloroethene	2.50	1.03	41	1.07	43	4.3	I
Benzene	2.50	1.81	73	1.86	74	2.3	
Trichloroethene	2.50	1.75	70	2.00	80	13	
Toluene	2.50	2.29	92	2.12	85	7.8	
Chlorobenzene	2.50	2.13	85	2.31	92	7.7	

Date of Report: December 9, 1999
Samples Submitted: July 12, 1999
Lab Traveler: 07-073
Project: 32-0039

Date Analyzed: 7-16-99

% MOISTURE

Client ID	Lab ID	% Moisture
B59-30	07-073-01	22
B61-13.5	07-073-02	21
B61-24.5	07-073-03	20
B61-43.5	07-073-04	18

Date of Report: July 21, 1999
Samples Submitted: July 8, 1999
Lab Traveler: 07-037
Project: 32-0039

VOLATILES by EPA 8260B
page 1 of 2

Date Extracted:	7-13-99
Date Analyzed:	7-22-99
Matrix:	Soil
Units:	mg/Kg (ppm)
Lab ID:	07-037-01
Client ID:	**TW-1-9**

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		0.062
Chloromethane	ND		0.062
Vinyl Chloride	ND		0.062
Bromomethane	ND		0.062
Chloroethane	ND		0.062
Trichlorofluoromethane	ND		0.062
1,1-Dichloroethene	ND		0.062
Acetone	ND		3.1
Carbon Disulfide	ND		0.062
Methylene Chloride	ND		0.31
(trans) 1,2-Dichloroethene	ND		0.062
1,1-Dichloroethane	ND		0.062
Vinyl Acetate	ND		1.2
2,2-Dichloropropane	ND		0.062
(cis) 1,2-Dichloroethene	ND		0.062
2-Butanone	ND		6.2
Chloroform	ND		0.062
1,1,1-Trichloroethane	ND		0.31
Carbon Tetrachloride	ND		0.062
1,1-Dichloropropene	ND		0.062
Benzene	ND		0.062
1,2-Dichloroethane	ND		0.062
Trichloroethene	ND		0.062
1,2-Dichloropropane	ND		0.062
Dibromomethane	ND		0.62
Bromodichloromethane	ND		0.31
2-Chloroethyl Vinyl Ether	ND		1.2
(cis) 1,3-Dichloropropene	ND		0.062
Toluene	ND		0.062
(trans) 1,3-Dichloropropene	ND		0.062
1,1,2-Trichloroethane	ND		0.062
Tetrachloroethene	ND		0.062
1,3-Dichloropropane	ND		0.062

Date of Report: July 21, 1999
Samples Submitted: July 8, 1999
Lab Traveler: 07-037
Project: 32-0039

VOLATILES by EPA 8260B
page 2 of 2

Lab ID: 07-037-01
Client ID: TW-1-9

Compound	Results	Flags	PQL
Methyl Isobutyl Ketone	ND		1.2
Dibromochloromethane	ND		0.062
1,2-Dibromoethane	ND		0.062
Chlorobenzene	ND		0.062
1,1,1,2-Tetrachloroethane	ND		0.062
Ethylbenzene	ND		0.062
m,p-Xylene	ND		0.12
o-Xylene	ND		0.062
Styrene	ND		0.062
Bromoform	ND		0.062
Isopropylbenzene	ND		0.062
Bromobenzene	ND		0.062
1,1,2,2-Tetrachloroethane	ND		0.31
1,2,3-Trichloropropane	ND		0.31
n-Propylbenzene	ND		0.062
2-Chlorotoluene	ND		0.062
4-Chlorotoluene	ND		0.062
1,3,5-Trimethylbenzene	ND		0.062
tert-Butylbenzene	ND		0.062
1,2,4-Trimethylbenzene	ND		0.062
sec-Butylbenzene	ND		0.062
1,3-Dichlorobenzene	ND		0.062
p-Isopropyltoluene	ND		0.062
1,4-Dichlorobenzene	ND		0.062
1,2-Dichlorobenzene	ND		0.062
n-Butylbenzene	ND		0.062
1,2-Dibromo-3-chloropropane	ND		0.62
1,2,4-Trichlorobenzene	ND		0.062
Hexachlorobutadiene	ND		0.62
Naphthalene	ND		0.62
1,2,3-Trichlorobenzene	ND		0.062

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	94	65-125
Toluene-d8	87	77-116
4-Bromofluorobenzene	96	67-133

Date of Report: July 21, 1999
Samples Submitted: July 8, 1999
Lab Traveler: 07-037
Project: 32-0039

VOLATILES by EPA 8260B

Date Extracted:	7-13-99
Date Analyzed:	7-22-99
Matrix:	Soil
Units:	mg/Kg (ppm)
Lab ID:	07-037-02
Client ID:	**TW-1-11**

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		0.068
Chloromethane	ND		0.068
Vinyl Chloride	0.18		0.068
Bromomethane	ND		0.068
Chloroethane	ND		0.068
Trichlorofluoromethane	ND		0.068
1,1-Dichloroethene	ND		0.068
Acetone	ND		3.4
Carbon Disulfide	ND		0.068
Methylene Chloride	ND		0.34
(trans) 1,2-Dichloroethene	ND		0.068
1,1-Dichloroethane	ND		0.068
Vinyl Acetate	ND		1.4
2,2-Dichloropropane	ND		0.068
(cis) 1,2-Dichloroethene	0.38		0.068
2-Butanone	ND		6.8
Chloroform	ND		0.068
1,1,1-Trichloroethane	ND		0.34
Carbon Tetrachloride	ND		0.068
1,1-Dichloropropene	ND		0.068
Benzene	0.14		0.068
1,2-Dichloroethane	ND		0.068
Trichloroethene	0.12		0.068
1,2-Dichloropropane	ND		0.068
Dibromomethane	ND		0.68
Bromodichloromethane	ND		0.34
2-Chloroethyl Vinyl Ether	ND		1.4
(cis) 1,3-Dichloropropene	ND		0.068
Toluene	0.12		0.068
(trans) 1,3-Dichloropropene	ND		0.068
1,1,2-Trichloroethane	ND		0.068
Tetrachloroethene	ND		0.068
1,3-Dichloropropane	ND		0.068

Date of Report: July 21, 1999
Samples Submitted: July 8, 1999
Lab Traveler: 07-037
Project: 32-0039

VOLATILES by EPA 8260B
page 2 of 2

Lab ID: 07-037-02
Client ID: TW-1-11

Compound	Results	Flags	PQL
Methyl Isobutyl Ketone	ND		1.4
Dibromochloromethane	ND		0.068
1,2-Dibromoethane	ND		0.068
Chlorobenzene	ND		0.068
1,1,1,2-Tetrachloroethane	ND		0.068
Ethylbenzene	0.091		0.068
m,p-Xylene	ND		0.14
o-Xylene	ND		0.068
Styrene	ND		0.068
Bromoform	ND		0.068
Isopropylbenzene	ND		0.068
Bromobenzene	ND		0.068
1,1,2,2-Tetrachloroethane	ND		0.34
1,2,3-Trichloropropane	ND		0.34
n-Propylbenzene	ND		0.068
2-Chlorotoluene	ND		0.068
4-Chlorotoluene	ND		0.068
1,3,5-Trimethylbenzene	ND		0.068
tert-Butylbenzene	ND		0.068
1,2,4-Trimethylbenzene	ND		0.068
sec-Butylbenzene	ND		0.068
1,3-Dichlorobenzene	ND		0.068
p-Isopropyltoluene	ND		0.068
1,4-Dichlorobenzene	ND		0.068
1,2-Dichlorobenzene	ND		0.068
n-Butylbenzene	ND		0.068
1,2-Dibromo-3-chloropropane	ND		0.68
1,2,4-Trichlorobenzene	ND		0.068
Hexachlorobutadiene	ND		0.68
Naphthalene	ND		0.68
1,2,3-Trichlorobenzene	ND		0.068

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	80	65-125
Toluene-d8	87	77-116
4-Bromofluorobenzene	88	67-133

Date of Report: July 21, 1999
Samples Submitted: July 8, 1999
Lab Traveler: 07-037
Project: 32-0039

VOLATILES by EPA 8260B

page 1 of 2

Date Extracted:	7-13-99
Date Analyzed:	7-22-99
Matrix:	Soil
Units:	mg/Kg (ppm)
Lab ID:	07-037-03
Client ID:	**TW-2-8**

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		0.066
Chloromethane	ND		0.066
Vinyl Chloride	ND		0.066
Bromomethane	ND		0.066
Chloroethane	ND		0.066
Trichlorofluoromethane	ND		0.066
1,1-Dichloroethene	ND		0.066
Acetone	ND		3.3
Carbon Disulfide	ND		0.066
Methylene Chloride	ND		0.33
(trans) 1,2-Dichloroethene	ND		0.066
1,1-Dichloroethane	ND		0.066
Vinyl Acetate	ND		1.3
2,2-Dichloropropane	ND		0.066
(cis) 1,2-Dichloroethene	ND		0.066
2-Butanone	ND		6.6
Chloroform	ND		0.066
1,1,1-Trichloroethane	ND		0.33
Carbon Tetrachloride	ND		0.066
1,1-Dichloropropene	ND		0.066
Benzene	ND		0.066
1,2-Dichloroethane	ND		0.066
Trichloroethene	ND		0.066
1,2-Dichloropropane	ND		0.066
Dibromomethane	ND		0.66
Bromodichloromethane	ND		0.33
2-Chloroethyl Vinyl Ether	ND		1.3
(cis) 1,3-Dichloropropene	ND		0.066
Toluene	ND		0.066
(trans) 1,3-Dichloropropene	ND		0.066
1,1,2-Trichloroethane	ND		0.066
Tetrachloroethene	ND		0.066
1,3-Dichloropropane	ND		0.066

Date of Report: July 21, 1999
Samples Submitted: July 8, 1999
Lab Traveler: 07-037
Project: 32-0039

VOLATILES by EPA 8260B
page 2 of 2

Lab ID: 07-037-03
Client ID: TW-2-8

Compound	Results	Flags	PQL
Methyl Isobutyl Ketone	ND		1.3
Dibromochloromethane	ND		0.066
1,2-Dibromoethane	ND		0.066
Chlorobenzene	ND		0.066
1,1,1,2-Tetrachloroethane	ND		0.066
Ethylbenzene	ND		0.066
m,p-Xylene	ND		0.13
o-Xylene	ND		0.066
Styrene	ND		0.066
Bromoform	ND		0.066
Isopropylbenzene	ND		0.066
Bromobenzene	ND		0.066
1,1,2,2-Tetrachloroethane	ND		0.33
1,2,3-Trichloropropane	ND		0.33
n-Propylbenzene	ND		0.066
2-Chlorotoluene	ND		0.066
4-Chlorotoluene	ND		0.066
1,3,5-Trimethylbenzene	ND		0.066
tert-Butylbenzene	ND		0.066
1,2,4-Trimethylbenzene	ND		0.066
sec-Butylbenzene	ND		0.066
1,3-Dichlorobenzene	ND		0.066
p-Isopropyltoluene	ND		0.066
1,4-Dichlorobenzene	ND		0.066
1,2-Dichlorobenzene	ND		0.066
n-Butylbenzene	ND		0.066
1,2-Dibromo-3-chloropropane	ND		0.66
1,2,4-Trichlorobenzene	ND		0.066
Hexachlorobutadiene	ND		0.66
Naphthalene	ND		0.66
1,2,3-Trichlorobenzene	ND		0.066

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	91	65-125
Toluene-d8	81	77-116
4-Bromofluorobenzene	86	67-133

Date of Report: July 21, 1999
Samples Submitted: July 8, 1999
Lab Traveler: 07-037
Project: 32-0039

VOLATILES by EPA 8260B
page 1 of 2

Date Extracted:	7-13-99
Date Analyzed:	7-22-99
Matrix:	Soil
Units:	mg/Kg (ppm)
Lab ID:	07-037-04
Client ID:	**TW-2-13**

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		0.063
Chloromethane	ND		0.063
Vinyl Chloride	ND		0.063
Bromomethane	ND		0.063
Chloroethane	ND		0.063
Trichlorofluoromethane	ND		0.063
1,1-Dichloroethene	ND		0.063
Acetone	ND		3.2
Carbon Disulfide	ND		0.063
Methylene Chloride	ND		0.32
(trans) 1,2-Dichloroethene	ND		0.063
1,1-Dichloroethane	ND		0.063
Vinyl Acetate	ND		1.3
2,2-Dichloropropane	ND		0.063
(cis) 1,2-Dichloroethene	ND		0.063
2-Butanone	ND		6.3
Chloroform	ND		0.063
1,1,1-Trichloroethane	ND		0.32
Carbon Tetrachloride	ND		0.063
1,1-Dichloropropene	ND		0.063
Benzene	ND		0.063
1,2-Dichloroethane	ND		0.063
Trichloroethene	ND		0.063
1,2-Dichloropropane	ND		0.063
Dibromomethane	ND		0.63
Bromodichloromethane	ND		0.32
2-Chloroethyl Vinyl Ether	ND		1.3
(cis) 1,3-Dichloropropene	ND		0.063
Toluene	ND		0.063
(trans) 1,3-Dichloropropene	ND		0.063
1,1,2-Trichloroethane	ND		0.063
Tetrachloroethene	ND		0.063
1,3-Dichloropropane	ND		0.063

Date of Report: July 21, 1999
Samples Submitted: July 8, 1999
Lab Traveler: 07-037
Project: 32-0039

VOLATILES by EPA 8260B
page 2 of 2

Lab ID: 07-037-04
Client ID: TW-2-13

Compound	Results	Flags	PQL
Methyl Isobutyl Ketone	ND		1.3
Dibromochloromethane	ND		0.063
1,2-Dibromoethane	ND		0.063
Chlorobenzene	ND		0.063
1,1,1,2-Tetrachloroethane	ND		0.063
Ethylbenzene	ND		0.063
m,p-Xylene	ND		0.13
o-Xylene	ND		0.063
Styrene	ND		0.063
Bromoform	ND		0.063
Isopropylbenzene	ND		0.063
Bromobenzene	ND		0.063
1,1,2,2-Tetrachloroethane	ND		0.32
1,2,3-Trichloropropane	ND		0.32
n-Propylbenzene	ND		0.063
2-Chlorotoluene	ND		0.063
4-Chlorotoluene	ND		0.063
1,3,5-Trimethylbenzene	ND		0.063
tert-Butylbenzene	ND		0.063
1,2,4-Trimethylbenzene	ND		0.063
sec-Butylbenzene	ND		0.063
1,3-Dichlorobenzene	ND		0.063
p-Isopropyltoluene	ND		0.063
1,4-Dichlorobenzene	ND		0.063
1,2-Dichlorobenzene	ND		0.063
n-Butylbenzene	ND		0.063
1,2-Dibromo-3-chloropropane	ND		0.63
1,2,4-Trichlorobenzene	ND		0.063
Hexachlorobutadiene	ND		0.63
Naphthalene	ND		0.63
1,2,3-Trichlorobenzene	ND		0.063

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	86	65-125
Toluene-d8	77	77-116
4-Bromofluorobenzene	82	67-133

Date of Report: July 21, 1999
Samples Submitted: July 8, 1999
Lab Traveler: 07-037
Project: 32-0039

VOLATILES by EPA 8260B
page 1 of 2

Date Extracted:	7-13-99
Date Analyzed:	7-22-99
Matrix:	Soil
Units:	mg/Kg (ppm)
Lab ID:	07-037-05
Client ID:	**TW-3-10**

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		0.063
Chloromethane	ND		0.063
Vinyl Chloride	ND		0.063
Bromomethane	ND		0.063
Chloroethane	ND		0.063
Trichlorofluoromethane	ND		0.063
1,1-Dichloroethene	ND		0.063
Acetone	ND		3.2
Carbon Disulfide	ND		0.063
Methylene Chloride	ND		0.32
(trans) 1,2-Dichloroethene	ND		0.063
1,1-Dichloroethane	ND		0.063
Vinyl Acetate	ND		1.3
2,2-Dichloropropane	ND		0.063
(cis) 1,2-Dichloroethene	ND		0.063
2-Butanone	ND		6.3
Chloroform	ND		0.063
1,1,1-Trichloroethane	ND		0.32
Carbon Tetrachloride	ND		0.063
1,1-Dichloropropene	ND		0.063
Benzene	ND		0.063
1,2-Dichloroethane	ND		0.063
Trichloroethene	ND		0.063
1,2-Dichloropropane	ND		0.063
Dibromomethane	ND		0.63
Bromodichloromethane	ND		0.32
2-Chloroethyl Vinyl Ether	ND		1.3
(cis) 1,3-Dichloropropene	ND		0.063
Toluene	ND		0.063
(trans) 1,3-Dichloropropene	ND		0.063
1,1,2-Trichloroethane	ND		0.063
Tetrachloroethene	ND		0.063
1,3-Dichloropropane	ND		0.063

Date of Report: July 21, 1999
Samples Submitted: July 8, 1999
Lab Traveler: 07-037
Project: 32-0039

VOLATILES by EPA 8260B

page 2 of 2

Lab ID: 07-037-05
Client ID: TW-3-10

Compound	Results	Flags	PQL
Methyl Isobutyl Ketone	ND		1.3
Dibromochloromethane	ND		0.063
1,2-Dibromoethane	ND		0.063
Chlorobenzene	ND		0.063
1,1,1,2-Tetrachloroethane	ND		0.063
Ethylbenzene	ND		0.063
m,p-Xylene	ND		0.13
o-Xylene	ND		0.063
Styrene	ND		0.063
Bromoform	ND		0.063
Isopropylbenzene	ND		0.063
Bromobenzene	ND		0.063
1,1,2,2-Tetrachloroethane	ND		0.32
1,2,3-Trichloropropane	ND		0.32
n-Propylbenzene	ND		0.063
2-Chlorotoluene	ND		0.063
4-Chlorotoluene	ND		0.063
1,3,5-Trimethylbenzene	ND		0.063
tert-Butylbenzene	ND		0.063
1,2,4-Trimethylbenzene	ND		0.063
sec-Butylbenzene	ND		0.063
1,3-Dichlorobenzene	ND		0.063
p-Isopropyltoluene	ND		0.063
1,4-Dichlorobenzene	ND		0.063
1,2-Dichlorobenzene	ND		0.063
n-Butylbenzene	ND		0.063
1,2-Dibromo-3-chloropropane	ND		0.63
1,2,4-Trichlorobenzene	ND		0.063
Hexachlorobutadiene	ND		0.63
Naphthalene	ND		0.63
1,2,3-Trichlorobenzene	ND		0.063

Surrogate	Percent Recovery		Control Limits
Dibromofluoromethane	75		65-125
Toluene-d8	75	Q	77-116
4-Bromofluorobenzene	77		67-133

Date of Report: July 21, 1999
Samples Submitted: July 8, 1999
Lab Traveler: 07-037
Project: 32-0039

VOLATILES by EPA 8260B
page 1 of 2

Date Extracted:	7-13-99
Date Analyzed:	7-22-99
Matrix:	Soil
Units:	mg/Kg (ppm)
Lab ID:	07-037-06
Client ID:	**TW-3-13**

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		0.061
Chloromethane	ND		0.061
Vinyl Chloride	ND		0.061
Bromomethane	ND		0.061
Chloroethane	ND		0.061
Trichlorofluoromethane	ND		0.061
1,1-Dichloroethene	ND		0.061
Acetone	ND		3.0
Carbon Disulfide	ND		0.061
Methylene Chloride	ND		0.30
(trans) 1,2-Dichloroethene	ND		0.061
1,1-Dichloroethane	ND		0.061
Vinyl Acetate	ND		1.2
2,2-Dichloropropane	ND		0.061
(cis) 1,2-Dichloroethene	0.45		0.061
2-Butanone	ND		6.1
Chloroform	ND		0.061
1,1,1-Trichloroethane	ND		0.30
Carbon Tetrachloride	ND		0.061
1,1-Dichloropropene	ND		0.061
Benzene	ND		0.061
1,2-Dichloroethane	ND		0.061
Trichloroethene	0.69		0.061
1,2-Dichloropropane	ND		0.061
Dibromomethane	ND		0.61
Bromodichloromethane	ND		0.30
2-Chloroethyl Vinyl Ether	ND		1.2
(cis) 1,3-Dichloropropene	ND		0.061
Toluene	ND		0.061
(trans) 1,3-Dichloropropene	ND		0.061
1,1,2-Trichloroethane	ND		0.061
Tetrachloroethene	1.3		0.061
1,3-Dichloropropane	ND		0.061

Date of Report: July 21, 1999
Samples Submitted: July 8, 1999
Lab Traveler: 07-037
Project: 32-0039

VOLATILES by EPA 8260B
page 2 of 2

Lab ID: 07-037-06
Client ID: TW-3-13

Compound	Results	Flags	PQL
Methyl Isobutyl Ketone	ND		1.2
Dibromochloromethane	ND		0.061
1,2-Dibromoethane	ND		0.061
Chlorobenzene	ND		0.061
1,1,1,2-Tetrachloroethane	ND		0.061
Ethylbenzene	ND		0.061
m,p-Xylene	ND		0.12
o-Xylene	ND		0.061
Styrene	ND		0.061
Bromoform	ND		0.061
Isopropylbenzene	ND		0.061
Bromobenzene	ND		0.061
1,1,2,2-Tetrachloroethane	ND		0.30
1,2,3-Trichloropropane	ND		0.30
n-Propylbenzene	ND		0.061
2-Chlorotoluene	ND		0.061
4-Chlorotoluene	ND		0.061
1,3,5-Trimethylbenzene	ND		0.061
tert-Butylbenzene	ND		0.061
1,2,4-Trimethylbenzene	ND		0.061
sec-Butylbenzene	ND		0.061
1,3-Dichlorobenzene	ND		0.061
p-Isopropyltoluene	ND		0.061
1,4-Dichlorobenzene	ND		0.061
1,2-Dichlorobenzene	ND		0.061
n-Butylbenzene	ND		0.061
1,2-Dibromo-3-chloropropane	ND		0.61
1,2,4-Trichlorobenzene	ND		0.061
Hexachlorobutadiene	ND		0.61
Naphthalene	ND		0.61
1,2,3-Trichlorobenzene	ND		0.061

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	77	65-125
Toluene-d8	79	77-116
4-Bromofluorobenzene	81	67-133

Date of Report: July 21, 1999
Samples Submitted: July 8, 1999
Lab Traveler: 07-037
Project: 32-0039

VOLATILES by EPA 8260B
page 1 of 2

Date Extracted:	7-13-99
Date Analyzed:	7-22-99
Matrix:	Soil
Units:	mg/Kg (ppm)
Lab ID:	07-037-07
Client ID:	**B64-10**

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		0.060
Chloromethane	ND		0.060
Vinyl Chloride	ND		0.060
Bromomethane	ND		0.060
Chloroethane	ND		0.060
Trichlorofluoromethane	ND		0.060
1,1-Dichloroethene	ND		0.060
Acetone	ND		3.0
Carbon Disulfide	ND		0.060
Methylene Chloride	ND		0.30
(trans) 1,2-Dichloroethene	ND		0.060
1,1-Dichloroethane	ND		0.060
Vinyl Acetate	ND		1.2
2,2-Dichloropropane	ND		0.060
(cis) 1,2-Dichloroethene	ND		0.060
2-Butanone	ND		6.0
Chloroform	ND		0.060
1,1,1-Trichloroethane	ND		0.30
Carbon Tetrachloride	ND		0.060
1,1-Dichloropropene	ND		0.060
Benzene	ND		0.060
1,2-Dichloroethane	ND		0.060
Trichloroethene	0.14		0.060
1,2-Dichloropropane	ND		0.060
Dibromomethane	ND		0.60
Bromodichloromethane	ND		0.30
2-Chloroethyl Vinyl Ether	ND		1.2
(cis) 1,3-Dichloropropene	ND		0.060
Toluene	ND		0.060
(trans) 1,3-Dichloropropene	ND		0.060
1,1,2-Trichloroethane	ND		0.060
Tetrachloroethene	0.59		0.060
1,3-Dichloropropane	ND		0.060

Date of Report: July 21, 1999
Samples Submitted: July 8, 1999
Lab Traveler: 07-037
Project: 32-0039

VOLATILES by EPA 8260B
page 2 of 2

Lab ID: 07-037-07
Client ID: B64-10

Compound	Results	Flags	PQL
Methyl Isobutyl Ketone	ND		1.2
Dibromochloromethane	ND		0.060
1,2-Dibromoethane	ND		0.060
Chlorobenzene	ND		0.060
1,1,1,2-Tetrachloroethane	ND		0.060
Ethylbenzene	ND		0.060
m,p-Xylene	ND		0.12
o-Xylene	ND		0.060
Styrene	ND		0.060
Bromoform	ND		0.060
Isopropylbenzene	ND		0.060
Bromobenzene	ND		0.060
1,1,2,2-Tetrachloroethane	ND		0.30
1,2,3-Trichloropropane	ND		0.30
n-Propylbenzene	ND		0.060
2-Chlorotoluene	ND		0.060
4-Chlorotoluene	ND		0.060
1,3,5-Trimethylbenzene	ND		0.060
tert-Butylbenzene	ND		0.060
1,2,4-Trimethylbenzene	ND		0.060
sec-Butylbenzene	ND		0.060
1,3-Dichlorobenzene	ND		0.060
p-Isopropyltoluene	ND		0.060
1,4-Dichlorobenzene	ND		0.060
1,2-Dichlorobenzene	ND		0.060
n-Butylbenzene	ND		0.060
1,2-Dibromo-3-chloropropane	ND		0.60
1,2,4-Trichlorobenzene	ND		0.060
Hexachlorobutadiene	ND		0.60
Naphthalene	ND		0.60
1,2,3-Trichlorobenzene	ND		0.060

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	84	65-125
Toluene-d8	80	77-116
4-Bromofluorobenzene	83	67-133

Date of Report: July 21, 1999
Samples Submitted: July 8, 1999
Lab Traveler: 07-037
Project: 32-0039

VOLATILES by EPA 8260B
page 1 of 2

Date Extracted:	7-13-99
Date Analyzed:	7-22-99
Matrix:	Soil
Units:	mg/Kg (ppm)
Lab ID:	07-037-08
Client ID:	**B64-12.5**

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		0.066
Chloromethane	ND		0.066
Vinyl Chloride	ND		0.066
Bromomethane	ND		0.066
Chloroethane	ND		0.066
Trichlorofluoromethane	ND		0.066
1,1-Dichloroethene	ND		0.066
Acetone	ND		3.3
Carbon Disulfide	ND		0.066
Methylene Chloride	ND		0.33
(trans) 1,2-Dichloroethene	ND		0.066
1,1-Dichloroethane	ND		0.066
Vinyl Acetate	ND		1.3
2,2-Dichloropropane	ND		0.066
(cis) 1,2-Dichloroethene	ND		0.066
2-Butanone	ND		6.6
Chloroform	ND		0.066
1,1,1-Trichloroethane	ND		0.33
Carbon Tetrachloride	ND		0.066
1,1-Dichloropropene	ND		0.066
Benzene	ND		0.066
1,2-Dichloroethane	ND		0.066
Trichloroethene	ND		0.066
1,2-Dichloropropane	ND		0.066
Dibromomethane	ND		0.66
Bromodichloromethane	ND		0.33
2-Chloroethyl Vinyl Ether	ND		1.3
(cis) 1,3-Dichloropropene	ND		0.066
Toluene	ND		0.066
(trans) 1,3-Dichloropropene	ND		0.066
1,1,2-Trichloroethane	ND		0.066
Tetrachloroethene	0.54		0.066
1,3-Dichloropropane	ND		0.066

Date of Report: July 21, 1999
Samples Submitted: July 8, 1999
Lab Traveler: 07-037
Project: 32-0039

VOLATILES by EPA 8260B

Lab ID: 07-037-08
Client ID: **B64-12.5**

Compound	Results	Flags	PQL
Methyl Isobutyl Ketone	ND		1.3
Dibromochloromethane	ND		0.066
1,2-Dibromoethane	ND		0.066
Chlorobenzene	ND		0.066
1,1,1,2-Tetrachloroethane	ND		0.066
Ethylbenzene	ND		0.066
m,p-Xylene	ND		0.13
o-Xylene	ND		0.066
Styrene	ND		0.066
Bromoform	ND		0.066
Isopropylbenzene	ND		0.066
Bromobenzene	ND		0.066
1,1,2,2-Tetrachloroethane	ND		0.33
1,2,3-Trichloropropane	ND		0.33
n-Propylbenzene	ND		0.066
2-Chlorotoluene	ND		0.066
4-Chlorotoluene	ND		0.066
1,3,5-Trimethylbenzene	ND		0.066
tert-Butylbenzene	ND		0.066
1,2,4-Trimethylbenzene	ND		0.066
sec-Butylbenzene	ND		0.066
1,3-Dichlorobenzene	ND		0.066
p-Isopropyltoluene	ND		0.066
1,4-Dichlorobenzene	ND		0.066
1,2-Dichlorobenzene	ND		0.066
n-Butylbenzene	ND		0.066
1,2-Dibromo-3-chloropropane	ND		0.66
1,2,4-Trichlorobenzene	ND		0.066
Hexachlorobutadiene	ND		0.66
Naphthalene	ND		0.66
1,2,3-Trichlorobenzene	ND		0.066

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	83	65-125
Toluene-d8	82	77-116
4-Bromofluorobenzene	86	67-133

Date of Report: July 23, 1999
Samples Submitted: July 8, 1999
Lab Traveler: 07-038
Project: 32-0039

VOLATILES by EPA 8260B
METHOD BLANK QUALITY CONTROL
Page 1 of 2

Date Extracted: 7-13-99
Date Analyzed: 7-20-99

Matrix: Soil
Units: mg/Kg (ppm)

Lab ID: MB0713S1

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		0.050
Chloromethane	ND		0.050
Vinyl Chloride	ND		0.050
Bromomethane	ND		0.050
Chloroethane	ND		0.050
Trichlorofluoromethane	ND		0.050
1,1-Dichloroethene	ND		0.050
Acetone	ND		2.5
Carbon Disulfide	ND		0.050
Methylene Chloride	ND		0.25
(trans) 1,2-Dichloroethene	ND		0.050
1,1-Dichloroethane	ND		0.050
Vinyl Acetate	ND		1.0
2,2-Dichloropropane	ND		0.050
(cis) 1,2-Dichloroethene	ND		0.050
2-Butanone	ND		5.0
Chloroform	ND		0.050
1,1,1-Trichloroethane	ND		0.25
Carbon Tetrachloride	ND		0.050
1,1-Dichloropropene	ND		0.050
Benzene	ND		0.050
1,2-Dichloroethane	ND		0.050
Trichloroethene	ND		0.050
1,2-Dichloropropane	ND		0.050
Dibromomethane	ND		0.50
Bromodichloromethane	ND		0.25
2-Chloroethyl Vinyl Ether	ND		1.0
(cis) 1,3-Dichloropropene	ND		0.050
Toluene	ND		0.050
(trans) 1,3-Dichloropropene	ND		0.050
1,1,2-Trichloroethane	ND		0.050
Tetrachloroethene	ND		0.050
1,3-Dichloropropane	ND		0.050

Date of Report: July 21, 1999
Samples Submitted: July 8, 1999
Lab Traveler: 07-037
Project: 32-0039

VOLATILES by EPA 8260B
METHOD BLANK QUALITY CONTROL
page 1 of 2

Date Extracted: 7-13-99
Date Analyzed: 7-20-99

Matrix: Soil
Units: mg/Kg (ppm)

Lab ID: MB0713S1

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		0.050
Chloromethane	ND		0.050
Vinyl Chloride	ND		0.050
Bromomethane	ND		0.050
Chloroethane	ND		0.050
Trichlorofluoromethane	ND		0.050
1,1-Dichloroethene	ND		0.050
Acetone	ND		2.5
Carbon Disulfide	ND		0.050
Methylene Chloride	ND		0.25
(trans) 1,2-Dichloroethene	ND		0.050
1,1-Dichloroethane	ND		0.050
Vinyl Acetate	ND		1.0
2,2-Dichloropropane	ND		0.050
(cis) 1,2-Dichloroethene	ND		0.050
2-Butanone	ND		5.0
Chloroform	ND		0.050
1,1,1-Trichloroethane	ND		0.25
Carbon Tetrachloride	ND		0.050
1,1-Dichloropropene	ND		0.050
Benzene	ND		0.050
1,2-Dichloroethane	ND		0.050
Trichloroethene	ND		0.050
1,2-Dichloropropane	ND		0.050
Dibromomethane	ND		0.50
Bromodichloromethane	ND		0.25
2-Chloroethyl Vinyl Ether	ND		1.0
(cis) 1,3-Dichloropropene	ND		0.050
Toluene	ND		0.050
(trans) 1,3-Dichloropropene	ND		0.050
1,1,2-Trichloroethane	ND		0.050
Tetrachloroethene	ND		0.050
1,3-Dichloropropane	ND		0.050

Date of Report: July 21, 1999
Samples Submitted: July 9, 1999
Lab Traveler: 07-047
Project: 32-0039

VOLATILES by EPA 8260B
METHOD BLANK QUALITY CONTROL
Page 1 of 2

Date Extracted:	7-13-99
Date Analyzed:	7-21-99
Matrix:	Soil
Units:	mg/Kg (ppm)
Lab ID:	MB0713S1

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		0.050
Chloromethane	ND		0.050
Vinyl Chloride	ND		0.050
Bromomethane	ND		0.050
Chloroethane	ND		0.050
Trichlorofluoromethane	ND		0.050
1,1-Dichloroethene	ND		0.050
Acetone	ND		2.5
Carbon Disulfide	ND		0.050
Methylene Chloride	ND		0.25
(trans) 1,2-Dichloroethene	ND		0.050
1,1-Dichloroethane	ND		0.050
Vinyl Acetate	ND		1.0
2,2-Dichloropropane	ND		0.050
(cis) 1,2-Dichloroethene	ND		0.050
2-Butanone	ND		5.0
Chloroform	ND		0.050
1,1,1-Trichloroethane	ND		0.25
Carbon Tetrachloride	ND		0.050
1,1-Dichloropropene	ND		0.050
Benzene	ND		0.050
1,2-Dichloroethane	ND		0.050
Trichloroethene	ND		0.050
1,2-Dichloropropane	ND		0.050
Dibromomethane	ND		0.50
Bromodichloromethane	ND		0.25
2-Chloroethyl Vinyl Ether	ND		1.0
(cis) 1,3-Dichloropropene	ND		0.050
Toluene	ND		0.050
(trans) 1,3-Dichloropropene	ND		0.050
1,1,2-Trichloroethane	ND		0.050
Tetrachloroethene	ND		0.050
1,3-Dichloropropane	ND		0.050

Date of Report: July 21, 1999
Samples Submitted: July 9, 1999
Lab Traveler: 07-047
Project: 32-0039

VOLATILES by EPA 8260B
METHOD BLANK QUALITY CONTROL
Page 2 of 2

Lab ID: MB0713S1

Compound	Results	Flags	PQL
Methyl Isobutyl Ketone	ND		1.0
Dibromochloromethane	ND		0.050
1,2-Dibromoethane	ND		0.050
Chlorobenzene	ND		0.050
1,1,1,2-Tetrachloroethane	ND		0.050
Ethylbenzene	ND		0.050
m,p-Xylene	ND		0.10
o-Xylene	ND		0.050
Styrene	ND		0.050
Bromoform	ND		0.050
Isopropylbenzene	ND		0.050
Bromobenzene	ND		0.050
1,1,2,2-Tetrachloroethane	ND		0.25
1,2,3-Trichloropropane	ND		0.25
n-Propylbenzene	ND		0.050
2-Chlorotoluene	ND		0.050
4-Chlorotoluene	ND		0.050
1,3,5-Trimethylbenzene	ND		0.050
tert-Butylbenzene	ND		0.050
1,2,4-Trimethylbenzene	ND		0.050
sec-Butylbenzene	ND		0.050
1,3-Dichlorobenzene	ND		0.050
p-Isopropyltoluene	ND		0.050
1,4-Dichlorobenzene	ND		0.050
1,2-Dichlorobenzene	ND		0.050
n-Butylbenzene	ND		0.050
1,2-Dibromo-3-chloropropane	ND		0.50
1,2,4-Trichlorobenzene	ND		0.050
Hexachlorobutadiene	ND		0.50
Naphthalene	ND		0.50
1,2,3-Trichlorobenzene	ND		0.050

Surrogate	Percent Recovery		Control Limits
Dibromofluoromethane	65		65-125
Toluene-d8	74	Q	77-116
4-Bromofluorobenzene	77		67-133

Date of Report: July 21, 1999
Samples Submitted: July 9, 1999
Lab Traveler: 07-047
Project: 32-0039

VOLATILES by EPA 8260B
MS/MSD QUALITY CONTROL

Date Extracted: 7-13-99
Date Analyzed: 7-22-99

Matrix: Soil
Units: mg/Kg (ppm)

Lab ID: 07-038-08

Compound	Spike Amount	MS	Percent Recovery	MSD	Percent Recovery	RPD	Flags
1,1-Dichloroethene	2.50	1.26	51	1.07	43	17	I
Benzene	2.50	1.76	71	1.94	78	9.6	
Trichloroethene	2.50	2.11	84	2.17	87	3.2	
Toluene	2.50	2.44	97	2.40	96	1.7	
Chlorobenzene	2.50	2.31	93	2.43	97	4.8	

Date of Report: July 21, 1999
Samples Submitted: July 8, 1999
Lab Traveler: 07-037
Project: 32-0039

VOLATILES by EPA 8260B
MS/MSD QUALITY CONTROL

Date Extracted: 7-13-99
Date Analyzed: 7-22-99

Matrix: Soil
Units: mg/Kg (ppm)

Lab ID: 07-038-08 MS

Compound	Spike Amount	MS	Percent Recovery	MSD	Percent Recovery	RPD	Flags
1,1-Dichloroethene	2.50	1.26	51	1.07	43	17	I
Benzene	2.50	1.76	71	1.94	78	9.6	
Trichloroethene	2.50	2.11	84	2.17	87	3.2	
Toluene	2.50	2.44	97	2.40	96	1.7	
Chlorobenzene	2.50	2.31	93	2.43	97	4.8	

Date of Report: July 23, 1999
Samples Submitted: July 8, 1999
Lab Traveler: 07-038
Project: 32-0039

VOLATILES by EPA 8260B
MS/MSD QUALITY CONTROL

Date Extracted: 7-13-99
Date Analyzed: 7-22-99

Matrix: Soil
Units: mg/Kg (ppm)

Lab ID: 07-038-08 MS

Compound	Spike Amount	MS	Percent Recovery	MSD	Percent Recovery	RPD	Flags
1,1-Dichloroethene	2.50	1.26	51	1.07	43	17	I
Benzene	2.50	1.76	71	1.94	78	9.6	
Trichloroethene	2.50	2.11	84	2.17	87	3.2	
Toluene	2.50	2.44	97	2.40	96	1.7	
Chlorobenzene	2.50	2.31	93	2.43	97	4.8	

Date of Report: July 21, 1999
Samples Submitted: July 8, 1999
Lab Traveler: 07-037
Project: 32-0039

Date Analyzed: 7-14-99

% MOISTURE

Client ID	Lab ID	% Moisture
TW-1-9	07-037-01	19
TW1-11	07-037-02	27
TW2-8	07-037-03	24
TW2-13	07-037-04	21
TW3-10	07-037-05	21
TW3-13	07-037-06	18
B64-10	07-037-07	17
B64-12.5	07-037-08	24

Date of Report: July 23, 1999
Samples Submitted: July 8, 1999
Lab Traveler: 07-038
Project: 32-0039

VOLATILES by EPA 8260B
Page 1 of 2

Date Extracted:	7-13-99
Date Analyzed:	7-22-99
Matrix:	Soil
Units:	mg/Kg (ppm)
Lab ID:	07-038-02
Client ID:	**TW6-9**

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		0.060
Chloromethane	ND		0.060
Vinyl Chloride	ND		0.060
Bromomethane	ND		0.060
Chloroethane	ND		0.060
Trichlorofluoromethane	ND		0.060
1,1-Dichloroethene	ND		0.060
Acetone	ND		3.0
Carbon Disulfide	ND		0.060
Methylene Chloride	ND		0.30
(trans) 1,2-Dichloroethene	ND		0.060
1,1-Dichloroethane	ND		0.060
Vinyl Acetate	ND		1.2
2,2-Dichloropropane	ND		0.060
(cis) 1,2-Dichloroethene	ND		0.060
2-Butanone	ND		6.0
Chloroform	ND		0.060
1,1,1-Trichloroethane	ND		0.30
Carbon Tetrachloride	ND		0.060
1,1-Dichloropropene	ND		0.060
Benzene	ND		0.060
1,2-Dichloroethane	ND		0.060
Trichloroethene	ND		0.060
1,2-Dichloropropane	ND		0.060
Dibromomethane	ND		0.60
Bromodichloromethane	ND		0.30
2-Chloroethyl Vinyl Ether	ND		1.2
(cis) 1,3-Dichloropropene	ND		0.060
Toluene	ND		0.060
(trans) 1,3-Dichloropropene	ND		0.060
1,1,2-Trichloroethane	ND		0.060
Tetrachloroethene	0.81		0.060
1,3-Dichloropropane	ND		0.060

Date of Report: July 23, 1999
Samples Submitted: July 8, 1999
Lab Traveler: 07-038
Project: 32-0039

VOLATILES by EPA 8260B

Lab ID: 07-038-02
Client ID: **TW6-9**

Compound	Results	Flags	PQL
Methyl Isobutyl Ketone	ND		1.2
Dibromochloromethane	ND		0.060
1,2-Dibromoethane	ND		0.060
Chlorobenzene	ND		0.060
1,1,1,2-Tetrachloroethane	ND		0.060
Ethylbenzene	ND		0.060
m,p-Xylene	ND		0.12
o-Xylene	ND		0.060
Styrene	ND		0.060
Bromoform	ND		0.060
Isopropylbenzene	ND		0.060
Bromobenzene	ND		0.060
1,1,2,2-Tetrachloroethane	ND		0.30
1,2,3-Trichloropropane	ND		0.30
n-Propylbenzene	ND		0.060
2-Chlorotoluene	ND		0.060
4-Chlorotoluene	ND		0.060
1,3,5-Trimethylbenzene	ND		0.060
tert-Butylbenzene	ND		0.060
1,2,4-Trimethylbenzene	ND		0.060
sec-Butylbenzene	ND		0.060
1,3-Dichlorobenzene	ND		0.060
p-Isopropyltoluene	ND		0.060
1,4-Dichlorobenzene	ND		0.060
1,2-Dichlorobenzene	ND		0.060
n-Butylbenzene	ND		0.060
1,2-Dibromo-3-chloropropane	ND		0.60
1,2,4-Trichlorobenzene	ND		0.060
Hexachlorobutadiene	ND		0.60
Naphthalene	ND		0.60
1,2,3-Trichlorobenzene	ND		0.060

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	76	65-125
Toluene-d8	90	77-116
4-Bromofluorobenzene	86	67-133

Date of Report: July 23, 1999
Samples Submitted: July 8, 1999
Lab Traveler: 07-038
Project: 32-0039

VOLATILES by EPA 8260B

Date Extracted: 7-13-99
Date Analyzed: 7-22-99

Matrix: Soil
Units: mg/Kg (ppm)

Lab ID: 07-038-03
Client ID: TW6-12

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		0.068
Chloromethane	ND		0.068
Vinyl Chloride	ND		0.068
Bromomethane	ND		0.068
Chloroethane	ND		0.068
Trichlorofluoromethane	ND		0.068
1,1-Dichloroethene	ND		0.068
Acetone	ND		3.4
Carbon Disulfide	ND		0.068
Methylene Chloride	ND		0.34
(trans) 1,2-Dichloroethene	ND		0.068
1,1-Dichloroethane	ND		0.068
Vinyl Acetate	ND		1.4
2,2-Dichloropropane	ND		0.068
(cis) 1,2-Dichloroethene	ND		0.068
2-Butanone	ND		6.8
Chloroform	ND		0.068
1,1,1-Trichloroethane	ND		0.34
Carbon Tetrachloride	ND		0.068
1,1-Dichloropropene	ND		0.068
Benzene	ND		0.068
1,2-Dichloroethane	ND		0.068
Trichloroethene	0.79		0.068
1,2-Dichloropropane	ND		0.068
Dibromomethane	ND		0.68
Bromodichloromethane	ND		0.34
2-Chloroethyl Vinyl Ether	ND		1.4
(cis) 1,3-Dichloropropene	ND		0.068
Toluene	ND		0.068
(trans) 1,3-Dichloropropene	ND		0.068
1,1,2-Trichloroethane	ND		0.068
Tetrachloroethene	8.4		0.068
1,3-Dichloropropane	ND		0.068

Date of Report: July 23, 1999
Samples Submitted: July 8, 1999
Lab Traveler: 07-038
Project: 32-0039

VOLATILES by EPA 8260B
Page 2 of 2

Lab ID: 07-038-03
Client ID: TW6-12

Compound	Results	Flags	PQL
Methyl Isobutyl Ketone	ND		1.4
Dibromochloromethane	ND		0.068
1,2-Dibromoethane	ND		0.068
Chlorobenzene	ND		0.068
1,1,1,2-Tetrachloroethane	ND		0.068
Ethylbenzene	ND		0.068
m,p-Xylene	ND		0.14
o-Xylene	ND		0.068
Styrene	ND		0.068
Bromoform	ND		0.068
Isopropylbenzene	ND		0.068
Bromobenzene	ND		0.068
1,1,2,2-Tetrachloroethane	ND		0.34
1,2,3-Trichloropropane	ND		0.34
n-Propylbenzene	ND		0.068
2-Chlorotoluene	ND		0.068
4-Chlorotoluene	ND		0.068
1,3,5-Trimethylbenzene	ND		0.068
tert-Butylbenzene	ND		0.068
1,2,4-Trimethylbenzene	ND		0.068
sec-Butylbenzene	ND		0.068
1,3-Dichlorobenzene	ND		0.068
p-Isopropyltoluene	ND		0.068
1,4-Dichlorobenzene	ND		0.068
1,2-Dichlorobenzene	ND		0.068
n-Butylbenzene	ND		0.068
1,2-Dibromo-3-chloropropane	ND		0.68
1,2,4-Trichlorobenzene	ND		0.068
Hexachlorobutadiene	ND		0.68
Naphthalene	ND		0.68
1,2,3-Trichlorobenzene	ND		0.068

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	74	65-125
Toluene-d8	84	77-116
4-Bromofluorobenzene	80	67-133

Date of Report: July 23, 1999
Samples Submitted: July 8, 1999
Lab Traveler: 07-038
Project: 32-0039

VOLATILES by EPA 8260B

Date Extracted:	7-13-99
Date Analyzed:	7-22-99
Matrix:	Soil
Units:	mg/Kg (ppm)
Lab ID:	07-038-04
Client ID:	**B62-9**

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		0.057
Chloromethane	ND		0.057
Vinyl Chloride	ND		0.057
Bromomethane	ND		0.057
Chloroethane	ND		0.057
Trichlorofluoromethane	ND		0.057
1,1-Dichloroethene	ND		0.057
Acetone	ND		2.9
Carbon Disulfide	ND		0.057
Methylene Chloride	ND		0.29
(trans) 1,2-Dichloroethene	ND		0.057
1,1-Dichloroethane	ND		0.057
Vinyl Acetate	ND		1.1
2,2-Dichloropropane	ND		0.057
(cis) 1,2-Dichloroethene	ND		0.057
2-Butanone	ND		5.7
Chloroform	ND		0.057
1,1,1-Trichloroethane	ND		0.29
Carbon Tetrachloride	ND		0.057
1,1-Dichloropropene	ND		0.057
Benzene	ND		0.057
1,2-Dichloroethane	ND		0.057
Trichloroethene	ND		0.057
1,2-Dichloropropane	ND		0.057
Dibromomethane	ND		0.57
Bromodichloromethane	ND		0.29
2-Chloroethyl Vinyl Ether	ND		1.1
(cis) 1,3-Dichloropropene	ND		0.057
Toluene	ND		0.057
(trans) 1,3-Dichloropropene	ND		0.057
1,1,2-Trichloroethane	ND		0.057
Tetrachloroethene	ND		0.057
1,3-Dichloropropane	ND		0.057

Date of Report: July 23, 1999
Samples Submitted: July 8, 1999
Lab Traveler: 07-038
Project: 32-0039

VOLATILES by EPA 8260B

Lab ID: 07-038-04
Client ID: B62-9

Compound	Results	Flags	PQL
Methyl Isobutyl Ketone	ND		1.1
Dibromochloromethane	ND		0.057
1,2-Dibromoethane	ND		0.057
Chlorobenzene	ND		0.057
1,1,1,2-Tetrachloroethane	ND		0.057
Ethylbenzene	ND		0.057
m,p-Xylene	ND		0.11
o-Xylene	ND		0.057
Styrene	ND		0.057
Bromoform	ND		0.057
Isopropylbenzene	ND		0.057
Bromobenzene	ND		0.057
1,1,2,2-Tetrachloroethane	ND		0.29
1,2,3-Trichloropropane	ND		0.29
n-Propylbenzene	ND		0.057
2-Chlorotoluene	ND		0.057
4-Chlorotoluene	ND		0.057
1,3,5-Trimethylbenzene	ND		0.057
tert-Butylbenzene	ND		0.057
1,2,4-Trimethylbenzene	ND		0.057
sec-Butylbenzene	ND		0.057
1,3-Dichlorobenzene	ND		0.057
p-Isopropyltoluene	ND		0.057
1,4-Dichlorobenzene	ND		0.057
1,2-Dichlorobenzene	ND		0.057
n-Butylbenzene	ND		0.057
1,2-Dibromo-3-chloropropane	ND		0.57
1,2,4-Trichlorobenzene	ND		0.057
Hexachlorobutadiene	ND		0.57
Naphthalene	ND		0.57
1,2,3-Trichlorobenzene	ND		0.057

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	80	65-125
Toluene-d8	103	77-116
4-Bromofluorobenzene	91	67-133

Date of Report: July 23, 1999
Samples Submitted: July 8, 1999
Lab Traveler: 07-038
Project: 32-0039

VOLATILES by EPA 8260B
Page 1 of 2

Date Extracted:	7-13-99
Date Analyzed:	7-22-99
Matrix:	Soil
Units:	mg/Kg (ppm)
Lab ID:	07-038-05
Client ID:	**B62-16**

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		0.060
Chloromethane	ND		0.060
Vinyl Chloride	ND		0.060
Bromomethane	ND		0.060
Chloroethane	ND		0.060
Trichlorofluoromethane	ND		0.060
1,1-Dichloroethene	ND		0.060
Acetone	ND		3.0
Carbon Disulfide	ND		0.060
Methylene Chloride	ND		0.30
(trans) 1,2-Dichloroethene	ND		0.060
1,1-Dichloroethane	ND		0.060
Vinyl Acetate	ND		1.2
2,2-Dichloropropane	ND		0.060
(cis) 1,2-Dichloroethene	ND		0.060
2-Butanone	ND		6.0
Chloroform	ND		0.060
1,1,1-Trichloroethane	ND		0.30
Carbon Tetrachloride	ND		0.060
1,1-Dichloropropene	ND		0.060
Benzene	ND		0.060
1,2-Dichloroethane	ND		0.060
Trichloroethene	ND		0.060
1,2-Dichloropropane	ND		0.060
Dibromomethane	ND		0.60
Bromodichloromethane	ND		0.30
2-Chloroethyl Vinyl Ether	ND		1.2
(cis) 1,3-Dichloropropene	ND		0.060
Toluene	ND		0.060
(trans) 1,3-Dichloropropene	ND		0.060
1,1,2-Trichloroethane	ND		0.060
Tetrachloroethene	0.076		0.060
1,3-Dichloropropane	ND		0.060

Date of Report: July 23, 1999
Samples Submitted: July 8, 1999
Lab Traveler: 07-038
Project: 32-0039

VOLATILES by EPA 8260B
Page 2 of 2

Lab ID: 07-038-05
Client ID: B62-16

Compound	Results	Flags	PQL
Methyl Isobutyl Ketone	ND		1.2
Dibromochloromethane	ND		0.060
1,2-Dibromoethane	ND		0.060
Chlorobenzene	ND		0.060
1,1,1,2-Tetrachloroethane	ND		0.060
Ethylbenzene	ND		0.060
m,p-Xylene	ND		0.12
o-Xylene	ND		0.060
Styrene	ND		0.060
Bromoform	ND		0.060
Isopropylbenzene	ND		0.060
Bromobenzene	ND		0.060
1,1,2,2-Tetrachloroethane	ND		0.30
1,2,3-Trichloropropane	ND		0.30
n-Propylbenzene	ND		0.060
2-Chlorotoluene	ND		0.060
4-Chlorotoluene	ND		0.060
1,3,5-Trimethylbenzene	ND		0.060
tert-Butylbenzene	ND		0.060
1,2,4-Trimethylbenzene	ND		0.060
sec-Butylbenzene	ND		0.060
1,3-Dichlorobenzene	ND		0.060
p-Isopropyltoluene	ND		0.060
1,4-Dichlorobenzene	ND		0.060
1,2-Dichlorobenzene	ND		0.060
n-Butylbenzene	ND		0.060
1,2-Dibromo-3-chloropropane	ND		0.60
1,2,4-Trichlorobenzene	ND		0.060
Hexachlorobutadiene	ND		0.60
Naphthalene	ND		0.60
1,2,3-Trichlorobenzene	ND		0.060

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	84	65-125
Toluene-d8	97	77-116
4-Bromofluorobenzene	87	67-133

Date of Report: July 23, 1999
Samples Submitted: July 8, 1999
Lab Traveler: 07-038
Project: 32-0039

VOLATILES by EPA 8260B

Date Extracted: 7-13-99
Date Analyzed: 7-22-99

Matrix: Soil
Units: mg/Kg (ppm)

Lab ID: 07-038-06
Client ID: B58-10

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		0.063
Chloromethane	ND		0.063
Vinyl Chloride	ND		0.063
Bromomethane	ND		0.063
Chloroethane	ND		0.063
Trichlorofluoromethane	ND		0.063
1,1-Dichloroethene	ND		0.063
Acetone	ND		3.1
Carbon Disulfide	ND		0.063
Methylene Chloride	ND		0.31
(trans) 1,2-Dichloroethene	ND		0.063
1,1-Dichloroethane	ND		0.063
Vinyl Acetate	ND		1.3
2,2-Dichloropropane	ND		0.063
(cis) 1,2-Dichloroethene	ND		0.063
2-Butanone	ND		6.3
Chloroform	ND		0.063
1,1,1-Trichloroethane	ND		0.31
Carbon Tetrachloride	ND		0.063
1,1-Dichloropropene	ND		0.063
Benzene	ND		0.063
1,2-Dichloroethane	ND		0.063
Trichloroethene	ND		0.063
1,2-Dichloropropane	ND		0.063
Dibromomethane	ND		0.63
Bromodichloromethane	ND		0.31
2-Chloroethyl Vinyl Ether	ND		1.3
(cis) 1,3-Dichloropropene	ND		0.063
Toluene	ND		0.063
(trans) 1,3-Dichloropropene	ND		0.063
1,1,2-Trichloroethane	ND		0.063
Tetrachloroethene	0.17		0.063
1,3-Dichloropropane	ND		0.063

Date of Report: July 23, 1999
Samples Submitted: July 8, 1999
Lab Traveler: 07-038
Project: 32-0039

VOLATILES by EPA 8260B
Page 2 of 2

Lab ID: 07-038-06
Client ID: B58-10

Compound	Results	Flags	PQL
Methyl Isobutyl Ketone	ND		1.3
Dibromochloromethane	ND		0.063
1,2-Dibromoethane	ND		0.063
Chlorobenzene	ND		0.063
1,1,1,2-Tetrachloroethane	ND		0.063
Ethylbenzene	ND		0.063
m,p-Xylene	ND		0.13
o-Xylene	ND		0.063
Styrene	ND		0.063
Bromoform	ND		0.063
Isopropylbenzene	ND		0.063
Bromobenzene	ND		0.063
1,1,2,2-Tetrachloroethane	ND		0.31
1,2,3-Trichloropropane	ND		0.31
n-Propylbenzene	ND		0.063
2-Chlorotoluene	ND		0.063
4-Chlorotoluene	ND		0.063
1,3,5-Trimethylbenzene	ND		0.063
tert-Butylbenzene	ND		0.063
1,2,4-Trimethylbenzene	ND		0.063
sec-Butylbenzene	ND		0.063
1,3-Dichlorobenzene	ND		0.063
p-Isopropyltoluene	ND		0.063
1,4-Dichlorobenzene	ND		0.063
1,2-Dichlorobenzene	ND		0.063
n-Butylbenzene	ND		0.063
1,2-Dibromo-3-chloropropane	ND		0.63
1,2,4-Trichlorobenzene	ND		0.063
Hexachlorobutadiene	ND		0.63
Naphthalene	ND		0.63
1,2,3-Trichlorobenzene	ND		0.063

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	79	65-125
Toluene-d8	94	77-116
4-Bromofluorobenzene	85	67-133

Date of Report: July 23, 1999
Samples Submitted: July 8, 1999
Lab Traveler: 07-038
Project: 32-0039

VOLATILES by EPA 8260B
Page 1 of 2

Date Extracted:	7-13-99
Date Analyzed:	7-22-99
Matrix:	Soil
Units:	mg/Kg (ppm)
Lab ID:	07-038-07
Client ID:	**B58-12.5**

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		0.067
Chloromethane	ND		0.067
Vinyl Chloride	0.16		0.067
Bromomethane	ND		0.067
Chloroethane	ND		0.067
Trichlorofluoromethane	ND		0.067
1,1-Dichloroethene	ND		0.067
Acetone	ND		3.3
Carbon Disulfide	ND		0.067
Methylene Chloride	ND		0.33
(trans) 1,2-Dichloroethene	ND		0.067
1,1-Dichloroethane	ND		0.067
Vinyl Acetate	ND		1.3
2,2-Dichloropropane	ND		0.067
(cis) 1,2-Dichloroethene	2.0		0.067
2-Butanone	ND		6.7
Chloroform	ND		0.067
1,1,1-Trichloroethane	ND		0.33
Carbon Tetrachloride	ND		0.067
1,1-Dichloropropene	ND		0.067
Benzene	ND		0.067
1,2-Dichloroethane	ND		0.067
Trichloroethene	ND		0.067
1,2-Dichloropropane	ND		0.067
Dibromomethane	ND		0.67
Bromodichloromethane	ND		0.33
2-Chloroethyl Vinyl Ether	ND		1.3
(cis) 1,3-Dichloropropene	ND		0.067
Toluene	ND		0.067
(trans) 1,3-Dichloropropene	ND		0.067
1,1,2-Trichloroethane	ND		0.067
Tetrachloroethene	ND		0.067
1,3-Dichloropropane	ND		0.067

Date of Report: July 23, 1999
Samples Submitted: July 8, 1999
Lab Traveler: 07-038
Project: 32-0039

VOLATILES by EPA 8260B
Page 2 of 2

Lab ID: 07-038-07
Client ID: B58-12.5

Compound	Results	Flags	PQL
Methyl Isobutyl Ketone	ND		1.3
Dibromochloromethane	ND		0.067
1,2-Dibromoethane	ND		0.067
Chlorobenzene	ND		0.067
1,1,1,2-Tetrachloroethane	ND		0.067
Ethylbenzene	ND		0.067
m,p-Xylene	ND		0.13
o-Xylene	ND		0.067
Styrene	ND		0.067
Bromoform	ND		0.067
Isopropylbenzene	ND		0.067
Bromobenzene	ND		0.067
1,1,2,2-Tetrachloroethane	ND		0.33
1,2,3-Trichloropropane	ND		0.33
n-Propylbenzene	ND		0.067
2-Chlorotoluene	ND		0.067
4-Chlorotoluene	ND		0.067
1,3,5-Trimethylbenzene	ND		0.067
tert-Butylbenzene	ND		0.067
1,2,4-Trimethylbenzene	ND		0.067
sec-Butylbenzene	ND		0.067
1,3-Dichlorobenzene	ND		0.067
p-Isopropyltoluene	ND		0.067
1,4-Dichlorobenzene	ND		0.067
1,2-Dichlorobenzene	ND		0.067
n-Butylbenzene	ND		0.067
1,2-Dibromo-3-chloropropane	ND		0.67
1,2,4-Trichlorobenzene	ND		0.067
Hexachlorobutadiene	ND		0.67
Naphthalene	ND		0.67
1,2,3-Trichlorobenzene	ND		0.067

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	85	65-125
Toluene-d8	96	77-116

Date of Report: July 23, 1999
Samples Submitted: July 8, 1999
Lab Traveler: 07-038
Project: 32-0039

VOLATILES by EPA 8260B
Page 1 of 2

Date Extracted:	7-13-99
Date Analyzed:	7-22-99
Matrix:	Soil
Units:	mg/Kg (ppm)
Lab ID:	07-038-08
Client ID:	**TW5-10**

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		0.060
Chloromethane	ND		0.060
Vinyl Chloride	ND		0.060
Bromomethane	ND		0.060
Chloroethane	ND		0.060
Trichlorofluoromethane	ND		0.060
1,1-Dichloroethene	ND		0.060
Acetone	ND		3.0
Carbon Disulfide	ND		0.060
Methylene Chloride	ND		0.30
(trans) 1,2-Dichloroethene	ND		0.060
1,1-Dichloroethane	ND		0.060
Vinyl Acetate	ND		1.2
2,2-Dichloropropane	ND		0.060
(cis) 1,2-Dichloroethene	ND		0.060
2-Butanone	ND		6.0
Chloroform	ND		0.060
1,1,1-Trichloroethane	ND		0.30
Carbon Tetrachloride	ND		0.060
1,1-Dichloropropene	ND		0.060
Benzene	ND		0.060
1,2-Dichloroethane	ND		0.060
Trichloroethene	ND		0.060
1,2-Dichloropropane	ND		0.060
Dibromomethane	ND		0.60
Bromodichloromethane	ND		0.30
2-Chloroethyl Vinyl Ether	ND		1.2
(cis) 1,3-Dichloropropene	ND		0.060
Toluene	ND		0.060
(trans) 1,3-Dichloropropene	ND		0.060
1,1,2-Trichloroethane	ND		0.060
Tetrachloroethene	ND		0.060
1,3-Dichloropropane	ND		0.060

Date of Report: July 23, 1999
Samples Submitted: July 8, 1999
Lab Traveler: 07-038
Project: 32-0039

VOLATILES by EPA 8260B

Lab ID: 07-038-08
Client ID: TW5-10

Compound	Results	Flags	PQL
Methyl Isobutyl Ketone	ND		1.2
Dibromochloromethane	ND		0.060
1,2-Dibromoethane	ND		0.060
Chlorobenzene	ND		0.060
1,1,1,2-Tetrachloroethane	ND		0.060
Ethylbenzene	ND		0.060
m,p-Xylene	ND		0.12
o-Xylene	ND		0.060
Styrene	ND		0.060
Bromoform	ND		0.060
Isopropylbenzene	ND		0.060
Bromobenzene	ND		0.060
1,1,2,2-Tetrachloroethane	ND		0.30
1,2,3-Trichloropropane	ND		0.30
n-Propylbenzene	ND		0.060
2-Chlorotoluene	ND		0.060
4-Chlorotoluene	ND		0.060
1,3,5-Trimethylbenzene	ND		0.060
tert-Butylbenzene	ND		0.060
1,2,4-Trimethylbenzene	ND		0.060
sec-Butylbenzene	ND		0.060
1,3-Dichlorobenzene	ND		0.060
p-Isopropyltoluene	ND		0.060
1,4-Dichlorobenzene	ND		0.060
1,2-Dichlorobenzene	ND		0.060
n-Butylbenzene	ND		0.060
1,2-Dibromo-3-chloropropane	ND		0.60
1,2,4-Trichlorobenzene	ND		0.060
Hexachlorobutadiene	ND		0.60
Naphthalene	ND		0.60
1,2,3-Trichlorobenzene	ND		0.060

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	73	65-125
Toluene-d8	91	77-116
4-Bromofluorobenzene	82	67-133

Date of Report: July 23, 1999
Samples Submitted: July 8, 1999
Lab Traveler: 07-038
Project: 32-0039

VOLATILES by EPA 8260B

Date Extracted:	7-13-99
Date Analyzed:	7-22-99
Matrix:	Soil
Units:	mg/Kg (ppm)
Lab ID:	07-038-09
Client ID:	**TW5-16**

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		0.060
Chloromethane	ND		0.060
Vinyl Chloride	ND		0.060
Bromomethane	ND		0.060
Chloroethane	ND		0.060
Trichlorofluoromethane	ND		0.060
1,1-Dichloroethene	ND		0.060
Acetone	ND		3.0
Carbon Disulfide	ND		0.060
Methylene Chloride	ND		0.30
(trans) 1,2-Dichloroethene	ND		0.060
1,1-Dichloroethane	ND		0.060
Vinyl Acetate	ND		1.2
2,2-Dichloropropane	ND		0.060
(cis) 1,2-Dichloroethene	ND		0.060
2-Butanone	ND		6.0
Chloroform	ND		0.060
1,1,1-Trichloroethane	ND		0.30
Carbon Tetrachloride	ND		0.060
1,1-Dichloropropene	ND		0.060
Benzene	ND		0.060
1,2-Dichloroethane	ND		0.060
Trichloroethene	ND		0.060
1,2-Dichloropropane	ND		0.060
Dibromomethane	ND		0.60
Bromodichloromethane	ND		0.30
2-Chloroethyl Vinyl Ether	ND		1.2
(cis) 1,3-Dichloropropene	ND		0.060
Toluene	ND		0.060
(trans) 1,3-Dichloropropene	ND		0.060
1,1,2-Trichloroethane	ND		0.060
Tetrachloroethene	ND		0.060
1,3-Dichloropropane	ND		0.060

Date of Report: July 23, 1999
Samples Submitted: July 8, 1999
Lab Traveler: 07-038
Project: 32-0039

VOLATILES by EPA 8260B

Lab ID: 07-038-09
Client ID: TW5-16

Compound	Results	Flags	PQL
Methyl Isobutyl Ketone	ND		1.2
Dibromochloromethane	ND		0.060
1,2-Dibromoethane	ND		0.060
Chlorobenzene	ND		0.060
1,1,1,2-Tetrachloroethane	ND		0.060
Ethylbenzene	ND		0.060
m,p-Xylene	ND		0.12
o-Xylene	ND		0.060
Styrene	ND		0.060
Bromoform	ND		0.060
Isopropylbenzene	ND		0.060
Bromobenzene	ND		0.060
1,1,2,2-Tetrachloroethane	ND		0.30
1,2,3-Trichloropropane	ND		0.30
n-Propylbenzene	ND		0.060
2-Chlorotoluene	ND		0.060
4-Chlorotoluene	ND		0.060
1,3,5-Trimethylbenzene	ND		0.060
tert-Butylbenzene	ND		0.060
1,2,4-Trimethylbenzene	ND		0.060
sec-Butylbenzene	ND		0.060
1,3-Dichlorobenzene	ND		0.060
p-Isopropyltoluene	ND		0.060
1,4-Dichlorobenzene	ND		0.060
1,2-Dichlorobenzene	ND		0.060
n-Butylbenzene	ND		0.060
1,2-Dibromo-3-chloropropane	ND		0.60
1,2,4-Trichlorobenzene	ND		0.060
Hexachlorobutadiene	ND		0.60
Naphthalene	ND		0.60
1,2,3-Trichlorobenzene	ND		0.060

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	74	65-125
Toluene-d8	93	77-116
4-Bromofluorobenzene	78	67-133

Date of Report: July 23, 1999
Samples Submitted: July 8, 1999
Lab Traveler: 07-038
Project: 32-0039

VOLATILES by EPA 8260B
Page 1 of 2

Date Extracted:	7-13-99
Date Analyzed:	7-22-99
Matrix:	Soil
Units:	mg/Kg (ppm)
Lab ID:	07-038-10
Client ID:	**B60-10**

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		0.058
Chloromethane	ND		0.058
Vinyl Chloride	ND		0.058
Bromomethane	ND		0.058
Chloroethane	ND		0.058
Trichlorofluoromethane	ND		0.058
1,1-Dichloroethene	ND		0.058
Acetone	ND		2.9
Carbon Disulfide	ND		0.058
Methylene Chloride	ND		0.29
(trans) 1,2-Dichloroethene	ND		0.058
1,1-Dichloroethane	ND		0.058
Vinyl Acetate	ND		1.2
2,2-Dichloropropane	ND		0.058
(cis) 1,2-Dichloroethene	ND		0.058
2-Butanone	ND		5.8
Chloroform	ND		0.058
1,1,1-Trichloroethane	ND		0.29
Carbon Tetrachloride	ND		0.058
1,1-Dichloropropene	ND		0.058
Benzene	ND		0.058
1,2-Dichloroethane	ND		0.058
Trichloroethene	ND		0.058
1,2-Dichloropropane	ND		0.058
Dibromomethane	ND		0.58
Bromodichloromethane	ND		0.29
2-Chloroethyl Vinyl Ether	ND		1.2
(cis) 1,3-Dichloropropene	ND		0.058
Toluene	ND		0.058
(trans) 1,3-Dichloropropene	ND		0.058
1,1,2-Trichloroethane	ND		0.058
Tetrachloroethene	0.19		0.058
1,3-Dichloropropane	ND		0.058

Date of Report: July 23, 1999
Samples Submitted: July 8, 1999
Lab Traveler: 07-038
Project: 32-0039

VOLATILES by EPA 8260B
Page 2 of 2

Lab ID: 07-038-10
Client ID: **B60-10**

Compound	Results	Flags	PQL
Methyl Isobutyl Ketone	ND		1.2
Dibromochloromethane	ND		0.058
1,2-Dibromoethane	ND		0.058
Chlorobenzene	ND		0.058
1,1,1,2-Tetrachloroethane	ND		0.058
Ethylbenzene	ND		0.058
m,p-Xylene	ND		0.12
o-Xylene	ND		0.058
Styrene	ND		0.058
Bromoform	ND		0.058
Isopropylbenzene	ND		0.058
Bromobenzene	ND		0.058
1,1,2,2-Tetrachloroethane	ND		0.29
1,2,3-Trichloropropane	ND		0.29
n-Propylbenzene	ND		0.058
2-Chlorotoluene	ND		0.058
4-Chlorotoluene	ND		0.058
1,3,5-Trimethylbenzene	ND		0.058
tert-Butylbenzene	ND		0.058
1,2,4-Trimethylbenzene	ND		0.058
sec-Butylbenzene	ND		0.058
1,3-Dichlorobenzene	ND		0.058
p-Isopropyltoluene	ND		0.058
1,4-Dichlorobenzene	ND		0.058
1,2-Dichlorobenzene	ND		0.058
n-Butylbenzene	ND		0.058
1,2-Dibromo-3-chloropropane	ND		0.58
1,2,4-Trichlorobenzene	ND		0.058
Hexachlorobutadiene	ND		0.58
Naphthalene	ND		0.58
1,2,3-Trichlorobenzene	ND		0.058

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	89	65-125
Toluene-d8	110	77-116
4-Bromofluorobenzene	93	67-133

Date of Report: July 23, 1999
Samples Submitted: July 8, 1999
Lab Traveler: 07-038
Project: 32-0039

VOLATILES by EPA 8260B
Page 1 of 2

Date Extracted:	7-13-99
Date Analyzed:	7-22-99
Matrix:	Soil
Units:	mg/Kg (ppm)
Lab ID:	07-038-11
Client ID:	**B60-16**

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		0.057
Chloromethane	ND		0.057
Vinyl Chloride	ND		0.057
Bromomethane	ND		0.057
Chloroethane	ND		0.057
Trichlorofluoromethane	ND		0.057
1,1-Dichloroethene	ND		0.057
Acetone	ND		2.9
Carbon Disulfide	ND		0.057
Methylene Chloride	ND		0.29
(trans) 1,2-Dichloroethene	ND		0.057
1,1-Dichloroethane	ND		0.057
Vinyl Acetate	ND		1.1
2,2-Dichloropropane	ND		0.057
(cis) 1,2-Dichloroethene	ND		0.057
2-Butanone	ND		5.7
Chloroform	ND		0.057
1,1,1-Trichloroethane	ND		0.29
Carbon Tetrachloride	ND		0.057
1,1-Dichloropropene	ND		0.057
Benzene	ND		0.057
1,2-Dichloroethane	ND		0.057
Trichloroethene	ND		0.057
1,2-Dichloropropane	ND		0.057
Dibromomethane	ND		0.57
Bromodichloromethane	ND		0.29
2-Chloroethyl Vinyl Ether	ND		1.1
(cis) 1,3-Dichloropropene	ND		0.057
Toluene	ND		0.057
(trans) 1,3-Dichloropropene	ND		0.057
1,1,2-Trichloroethane	ND		0.057
Tetrachloroethene	ND		0.057
1,3-Dichloropropane	ND		0.057

Date of Report: July 23, 1999
Samples Submitted: July 8, 1999
Lab Traveler: 07-038
Project: 32-0039

VOLATILES by EPA 8260B

Lab ID: 07-038-11
Client ID: **B60-16**

Compound	Results	Flags	PQL
Methyl Isobutyl Ketone	ND		1.1
Dibromochloromethane	ND		0.057
1,2-Dibromoethane	ND		0.057
Chlorobenzene	ND		0.057
1,1,1,2-Tetrachloroethane	ND		0.057
Ethylbenzene	ND		0.057
m,p-Xylene	ND		0.11
o-Xylene	ND		0.057
Styrene	ND		0.057
Bromoform	ND		0.057
Isopropylbenzene	ND		0.057
Bromobenzene	ND		0.057
1,1,2,2-Tetrachloroethane	ND		0.29
1,2,3-Trichloropropane	ND		0.29
n-Propylbenzene	ND		0.057
2-Chlorotoluene	ND		0.057
4-Chlorotoluene	ND		0.057
1,3,5-Trimethylbenzene	ND		0.057
tert-Butylbenzene	ND		0.057
1,2,4-Trimethylbenzene	ND		0.057
sec-Butylbenzene	ND		0.057
1,3-Dichlorobenzene	ND		0.057
p-Isopropyltoluene	ND		0.057
1,4-Dichlorobenzene	ND		0.057
1,2-Dichlorobenzene	ND		0.057
n-Butylbenzene	ND		0.057
1,2-Dibromo-3-chloropropane	ND		0.57
1,2,4-Trichlorobenzene	ND		0.057
Hexachlorobutadiene	ND		0.57
Naphthalene	ND		0.57
1,2,3-Trichlorobenzene	ND		0.057

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	73	65-125
Toluene-d8	89	77-116
4-Bromofluorobenzene	76	67-133

Date of Report: July 21, 1999
Samples Submitted: July 9, 1999
Lab Traveler: 07-047
Project: 32-0039

VOLATILES by EPA 8260B
METHOD BLANK QUALITY CONTROL
Page 1 of 2

Date Extracted:	7-13-99
Date Analyzed:	7-21-99
Matrix:	Soil
Units:	mg/Kg (ppm)
Lab ID:	MB0713S1

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		0.050
Chloromethane	ND		0.050
Vinyl Chloride	ND		0.050
Bromomethane	ND		0.050
Chloroethane	ND		0.050
Trichlorofluoromethane	ND		0.050
1,1-Dichloroethene	ND		0.050
Acetone	ND		2.5
Carbon Disulfide	ND		0.050
Methylene Chloride	ND		0.25
(trans) 1,2-Dichloroethene	ND		0.050
1,1-Dichloroethane	ND		0.050
Vinyl Acetate	ND		1.0
2,2-Dichloropropane	ND		0.050
(cis) 1,2-Dichloroethene	ND		0.050
2-Butanone	ND		5.0
Chloroform	ND		0.050
1,1,1-Trichloroethane	ND		0.25
Carbon Tetrachloride	ND		0.050
1,1-Dichloropropene	ND		0.050
Benzene	ND		0.050
1,2-Dichloroethane	ND		0.050
Trichloroethene	ND		0.050
1,2-Dichloropropane	ND		0.050
Dibromomethane	ND		0.50
Bromodichloromethane	ND		0.25
2-Chloroethyl Vinyl Ether	ND		1.0
(cis) 1,3-Dichloropropene	ND		0.050
Toluene	ND		0.050
(trans) 1,3-Dichloropropene	ND		0.050
1,1,2-Trichloroethane	ND		0.050
Tetrachloroethene	ND		0.050
1,3-Dichloropropane	ND		0.050

Date of Report: July 21, 1999
Samples Submitted: July 9, 1999
Lab Traveler: 07-047
Project: 32-0039

VOLATILES by EPA 8260B
METHOD BLANK QUALITY CONTROL
Page 2 of 2

Lab ID: MB0713S1

Compound	Results	Flags	PQL
Methyl Isobutyl Ketone	ND		1.0
Dibromochloromethane	ND		0.050
1,2-Dibromoethane	ND		0.050
Chlorobenzene	ND		0.050
1,1,1,2-Tetrachloroethane	ND		0.050
Ethylbenzene	ND		0.050
m,p-Xylene	ND		0.10
o-Xylene	ND		0.050
Styrene	ND		0.050
Bromoform	ND		0.050
Isopropylbenzene	ND		0.050
Bromobenzene	ND		0.050
1,1,2,2-Tetrachloroethane	ND		0.25
1,2,3-Trichloropropane	ND		0.25
n-Propylbenzene	ND		0.050
2-Chlorotoluene	ND		0.050
4-Chlorotoluene	ND		0.050
1,3,5-Trimethylbenzene	ND		0.050
tert-Butylbenzene	ND		0.050
1,2,4-Trimethylbenzene	ND		0.050
sec-Butylbenzene	ND		0.050
1,3-Dichlorobenzene	ND		0.050
p-Isopropyltoluene	ND		0.050
1,4-Dichlorobenzene	ND		0.050
1,2-Dichlorobenzene	ND		0.050
n-Butylbenzene	ND		0.050
1,2-Dibromo-3-chloropropane	ND		0.50
1,2,4-Trichlorobenzene	ND		0.050
Hexachlorobutadiene	ND		0.50
Naphthalene	ND		0.50
1,2,3-Trichlorobenzene	ND		0.050

Surrogate	Percent Recovery		Control Limits
Dibromofluoromethane	65		65-125
Toluene-d8	74	Q	77-116
4-Bromofluorobenzene	77		67-133

Date of Report: July 21, 1999
Samples Submitted: July 9, 1999
Lab Traveler: 07-047
Project: 32-0039

VOLATILES by EPA 8260B
MS/MSD QUALITY CONTROL

Date Extracted: 7-13-99
Date Analyzed: 7-22-99

Matrix: Soil
Units: mg/Kg (ppm)

Lab ID: 07-038-08

Compound	Spike Amount	MS	Percent Recovery	MSD	Percent Recovery	RPD	Flags
1,1-Dichloroethene	2.50	1.26	51	1.07	43	17	I
Benzene	2.50	1.76	71	1.94	78	9.6	
Trichloroethene	2.50	2.11	84	2.17	87	3.2	
Toluene	2.50	2.44	97	2.40	96	1.7	
Chlorobenzene	2.50	2.31	93	2.43	97	4.8	

Date of Report: July 23, 1999
Samples Submitted: July 8, 1999
Lab Traveler: 07-038
Project: 32-0039

Date Analyzed: 7-14-99

% MOISTURE

Client ID	Lab ID	% Moisture
TW6-9	07-038-02	17
TW6-12	07-038-03	26
B62-9	07-038-04	13
B62-16	07-038-05	17
B58-10	07-038-06	20
B58-12.5	07-038-07	25
TW5-10	07-038-08	16
TW5-16	07-038-09	17
B60-10	07-038-10	14
B60-16	07-038-11	13

DUPS

Date of Report: July 21, 1999
Samples Submitted: July 9, 1999
Lab Traveler: 07-047
Project: 32-0039

VOLATILES by EPA 8260B
page 1 of 2

Acceptable

Date Extracted:	7-9-99
Date Analyzed:	7-9 & 7-20-99
Matrix:	Water
Units:	ug/L (ppb)
Lab ID:	07-047-01
Client ID:	**B-62**

DUP

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		1.0
Chloromethane	ND		1.0
Vinyl Chloride	35	36	1.0
Bromomethane	ND		1.0
Chloroethane	ND		1.0
Trichlorofluoromethane	ND		1.0
1,1-Dichloroethene	ND		1.0
Acetone	ND		50
Carbon Disulfide	ND		1.0
Methylene Chloride	ND		5.0
(trans) 1,2-Dichloroethene	ND		1.0
1,1-Dichloroethane	2.2	2.1	1.0
Vinyl Acetate	ND		20
2,2-Dichloropropane	ND		1.0
(cis) 1,2-Dichloroethene	57	54	1.0
2-Butanone	ND		100
Chloroform	ND		1.0
1,1,1-Trichloroethane	30	27	5.0
Carbon Tetrachloride	ND		1.0
1,1-Dichloropropene	ND		1.0
Benzene	ND		1.0
1,2-Dichloroethane	ND		1.0
Trichloroethene	180	180	1.0
1,2-Dichloropropane	ND		1.0
Dibromomethane	ND		10
Bromodichloromethane	ND		5.0
2-Chloroethyl Vinyl Ether	ND		20
(cis) 1,3-Dichloropropene	ND		1.0
Toluene	ND		1.0
(trans) 1,3-Dichloropropene	ND		1.0
1,1,2-Trichloroethane	ND		1.0
Tetrachloroethene	470	410	5.0
1,3-Dichloropropane	ND		1.0

Date of Report: July 21, 1999
Samples Submitted: July 9, 1999
Lab Traveler: 07-047
Project: 32-0039

VOLATILES by EPA 8260B
page 2 of 2

Lab ID: 07-047-01
Client ID: B-62

Compound	Results	Flags	PQL
Methyl Isobutyl Ketone	ND		20
Dibromochloromethane	ND		1.0
1,2-Dibromoethane	ND		1.0
Chlorobenzene	ND		1.0
1,1,1,2-Tetrachloroethane	ND		1.0
Ethylbenzene	ND		1.0
m,p-Xylene	ND		2.0
o-Xylene	ND		1.0
Styrene	ND		1.0
Bromoform	ND		1.0
Isopropylbenzene	ND		1.0
Bromobenzene	ND		1.0
1,1,2,2-Tetrachloroethane	ND		5.0
1,2,3-Trichloropropane	ND		5.0
n-Propylbenzene	ND		1.0
2-Chlorotoluene	ND		1.0
4-Chlorotoluene	ND		1.0
1,3,5-Trimethylbenzene	ND		1.0
tert-Butylbenzene	ND		1.0
1,2,4-Trimethylbenzene	ND		1.0
sec-Butylbenzene	ND		1.0
1,3-Dichlorobenzene	ND		1.0
p-Isopropyltoluene	ND		1.0
1,4-Dichlorobenzene	ND		1.0
1,2-Dichlorobenzene	ND		1.0
n-Butylbenzene	ND		1.0
1,2-Dibromo-3-chloropropane	ND		10
1,2,4-Trichlorobenzene	ND		1.0
Hexachlorobutadiene	ND		10
Naphthalene	ND		10
1,2,3-Trichlorobenzene	ND		1.0

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	75	71-133
Toluene-d8	129	80-151
4-Bromofluorobenzene	114	75-139

Date of Report: July 21, 1999
Samples Submitted: July 9, 1999
Lab Traveler: 07-047
Project: 32-0039

VOLATILES by EPA 8260B
page 1 of 2

Date Extracted:	7-9-99
Date Analyzed:	7-9 & 7-20-99
Matrix:	Water
Units:	ug/L (ppb)
Lab ID:	07-047-02
Client ID:	**B-62 DUP**

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		1.0
Chloromethane	ND		1.0
Vinyl Chloride	36		1.0
Bromomethane	ND		1.0
Chloroethane	ND		1.0
Trichlorofluoromethane	ND		1.0
1,1-Dichloroethene	ND		1.0
Acetone	ND		50
Carbon Disulfide	ND		1.0
Methylene Chloride	ND		5.0
(trans) 1,2-Dichloroethene	ND		1.0
1,1-Dichloroethane	2.1		1.0
Vinyl Acetate	ND		20
2,2-Dichloropropane	ND		1.0
(cis) 1,2-Dichloroethene	54		1.0
2-Butanone	ND		100
Chloroform	ND		1.0
1,1,1-Trichloroethane	27		5.0
Carbon Tetrachloride	ND		1.0
1,1-Dichloropropene	ND		1.0
Benzene	ND		1.0
1,2-Dichloroethane	ND		1.0
Trichloroethene	180		1.0
1,2-Dichloropropane	ND		1.0
Dibromomethane	ND		10
Bromodichloromethane	ND		5.0
2-Chloroethyl Vinyl Ether	ND		20
(cis) 1,3-Dichloropropene	ND		1.0
Toluene	ND		1.0
(trans) 1,3-Dichloropropene	ND		1.0
1,1,2-Trichloroethane	ND		1.0
Tetrachloroethene	410		5.0
1,3-Dichloropropane	ND		1.0

Date of Report: July 21, 1999
Samples Submitted: July 9, 1999
Lab Traveler: 07-047
Project: 32-0039

VOLATILES by EPA 8260B
page 2 of 2

Lab ID: 07-047-02
Client ID: B-62 DUP

Compound	Results	Flags	PQL
Methyl Isobutyl Ketone	ND		20
Dibromochloromethane	ND		1.0
1,2-Dibromoethane	ND		1.0
Chlorobenzene	ND		1.0
1,1,1,2-Tetrachloroethane	ND		1.0
Ethylbenzene	ND		1.0
m,p-Xylene	ND		2.0
o-Xylene	ND		1.0
Styrene	ND		1.0
Bromoform	ND		1.0
Isopropylbenzene	ND		1.0
Bromobenzene	ND		1.0
1,1,2,2-Tetrachloroethane	ND		5.0
1,2,3-Trichloropropane	ND		5.0
n-Propylbenzene	ND		1.0
2-Chlorotoluene	ND		1.0
4-Chlorotoluene	ND		1.0
1,3,5-Trimethylbenzene	ND		1.0
tert-Butylbenzene	ND		1.0
1,2,4-Trimethylbenzene	ND		1.0
sec-Butylbenzene	ND		1.0
1,3-Dichlorobenzene	ND		1.0
p-Isopropyltoluene	ND		1.0
1,4-Dichlorobenzene	ND		1.0
1,2-Dichlorobenzene	ND		1.0
n-Butylbenzene	ND		1.0
1,2-Dibromo-3-chloropropane	ND		10
1,2,4-Trichlorobenzene	ND		1.0
Hexachlorobutadiene	ND		10
Naphthalene	ND		10
1,2,3-Trichlorobenzene	ND		1.0

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	76	71-133
Toluene-d8	136	80-151
4-Bromofluorobenzene	114	75-139

DUPS

Date of Report: July 22, 1999
Samples Submitted: July 16, 1999
Lab Traveler: 07-122
Project: 32-0039

VOLATILES by EPA 8260B
page 1 of 2

Acceptable

Date Extracted:	7-21-99
Date Analyzed:	7-21-99
Matrix:	Water
Units:	ug/L (ppb)
Lab ID:	07-122-06
Client ID:	**B-63**

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		5.0
Chloromethane	ND		5.0
Vinyl Chloride	2500		50
Bromomethane	ND		5.0
Chloroethane	ND		5.0
Trichlorofluoromethane	ND		5.0
1,1-Dichloroethene	44		5.0
Acetone	ND		250
Carbon Disulfide	ND		5.0
Methylene Chloride	ND		25
(trans) 1,2-Dichloroethene	37		5.0
1,1-Dichloroethane	27		5.0
Vinyl Acetate	ND		100
2,2-Dichloropropane	ND		5.0
(cis) 1,2-Dichloroethene	3700		50
2-Butanone	ND		500
Chloroform	13		5.0
1,1,1-Trichloroethane	ND		25
Carbon Tetrachloride	ND		5.0
1,1-Dichloropropene	ND		5.0
Benzene	8.1		5.0
1,2-Dichloroethane	ND		5.0
Trichloroethene	920		5.0
1,2-Dichloropropane	ND		5.0
Dibromomethane	ND		50
Bromodichloromethane	ND		25
2-Chloroethyl Vinyl Ether	ND		100
(cis) 1,3-Dichloropropene	ND		5.0
Toluene	250		5.0
(trans) 1,3-Dichloropropene	ND		5.0
1,1,2-Trichloroethane	ND		5.0
Tetrachloroethene	40		5.0
1,3-Dichloropropane	ND		5.0

Date of Report: July 22, 1999
Samples Submitted: July 16, 1999
Lab Traveler: 07-122
Project: 32-0039

VOLATILES by EPA 8260B
page 2 of 2

Lab ID: 07-122-06
Client ID: B-63

Compound	Results	Flags	PQL
Methyl Isobutyl Ketone	ND		100
Dibromochloromethane	ND		5.0
1,2-Dibromoethane	ND		5.0
Chlorobenzene	ND		5.0
1,1,1,2-Tetrachloroethane	ND		5.0
Ethylbenzene	30		5.0
m,p-Xylene	ND		10
o-Xylene	11		5.0
Styrene	ND		5.0
Bromoform	ND		5.0
Isopropylbenzene	ND		5.0
Bromobenzene	ND		5.0
1,1,2,2-Tetrachloroethane	ND		25
1,2,3-Trichloropropane	ND		25
n-Propylbenzene	ND		5.0
2-Chlorotoluene	ND		5.0
4-Chlorotoluene	ND		5.0
1,3,5-Trimethylbenzene	ND		5.0
tert-Butylbenzene	ND		5.0
1,2,4-Trimethylbenzene	7.2		5.0
sec-Butylbenzene	ND		5.0
1,3-Dichlorobenzene	ND		5.0
p-Isopropyltoluene	ND		5.0
1,4-Dichlorobenzene	ND		5.0
1,2-Dichlorobenzene	ND		5.0
n-Butylbenzene	ND		5.0
1,2-Dibromo-3-chloropropane	ND		50
1,2,4-Trichlorobenzene	ND		5.0
Hexachlorobutadiene	ND		50
Naphthalene	ND		50
1,2,3-Trichlorobenzene	ND		5.0

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	102	71-133
Toluene-d8	100	80-151
4-Bromofluorobenzene	122	75-139

Date of Report: July 22, 1999
Samples Submitted: July 16, 1999
Lab Traveler: 07-122
Project: 32-0039

VOLATILES by EPA 8260B
page 1 of 2

Date Extracted:	7-21-99
Date Analyzed:	7-21-99
Matrix:	Water
Units:	ug/L (ppb)
Lab ID:	07-122-09
Client ID:	**B-63 DUP**

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		5.0
Chloromethane	ND		5.0
Vinyl Chloride	2400		50
Bromomethane	ND		5.0
Chloroethane	ND		5.0
Trichlorofluoromethane	ND		5.0
1,1-Dichloroethene	42		5.0
Acetone	ND		250
Carbon Disulfide	ND		5.0
Methylene Chloride	ND		25
(trans) 1,2-Dichloroethene	35		5.0
1,1-Dichloroethane	25		5.0
Vinyl Acetate	ND		100
2,2-Dichloropropane	ND		5.0
(cis) 1,2-Dichloroethene	3500		50
2-Butanone	ND		500
Chloroform	14		5.0
1,1,1-Trichloroethane	ND		25
Carbon Tetrachloride	ND		5.0
1,1-Dichloropropene	ND		5.0
Benzene	7.5		5.0
1,2-Dichloroethane	ND		5.0
Trichloroethene	940		5.0
1,2-Dichloropropane	ND		5.0
Dibromomethane	ND		50
Bromodichloromethane	ND		25
2-Chloroethyl Vinyl Ether	ND		100
(cis) 1,3-Dichloropropene	ND		5.0
Toluene	260		5.0
(trans) 1,3-Dichloropropene	ND		5.0
1,1,2-Trichloroethane	ND		5.0
Tetrachloroethene	8.7		5.0
1,3-Dichloropropane	ND		5.0

Date of Report: July 22, 1999
Samples Submitted: July 16, 1999
Lab Traveler: 07-122
Project: 32-0039

VOLATILES by EPA 8260B
page 2 of 2

Lab ID: 07-122-09
Client ID: B-63 DUP

Compound	Results	Flags	PQL
Methyl Isobutyl Ketone	ND		100
Dibromochloromethane	ND		5.0
1,2-Dibromoethane	ND		5.0
Chlorobenzene	ND		5.0
1,1,1,2-Tetrachloroethane	ND		5.0
Ethylbenzene	30		5.0
m,p-Xylene	27		10
o-Xylene	9.8		5.0
Styrene	ND		5.0
Bromoform	ND		5.0
Isopropylbenzene	ND		5.0
Bromobenzene	ND		5.0
1,1,2,2-Tetrachloroethane	ND		25
1,2,3-Trichloropropane	ND		25
n-Propylbenzene	ND		5.0
2-Chlorotoluene	ND		5.0
4-Chlorotoluene	ND		5.0
1,3,5-Trimethylbenzene	ND		5.0
tert-Butylbenzene	ND		5.0
1,2,4-Trimethylbenzene	7.2		5.0
sec-Butylbenzene	ND		5.0
1,3-Dichlorobenzene	ND		5.0
p-Isopropyltoluene	ND		5.0
1,4-Dichlorobenzene	ND		5.0
1,2-Dichlorobenzene	ND		5.0
n-Butylbenzene	ND		5.0
1,2-Dibromo-3-chloropropane	ND		50
1,2,4-Trichlorobenzene	ND		5.0
Hexachlorobutadiene	ND		50
Naphthalene	ND		50
1,2,3-Trichlorobenzene	ND		5.0

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	97	71-133
Toluene-d8	105	80-151
4-Bromofluorobenzene	125	75-139

Supplemental Investigation
Fox Avenue and S. Myrtle Street

Attachment C

PARCC Analysis

AGENCY REVIEW DRAFT

Fox Avenue and S. Myrtle Street Supplemental Investigation
PARCC Analysis

OnSite Environmental Inc. of Redmond, WA was the primary analytical subcontractor for the Fox Avenue and S. Myrtle Street Supplemental Investigation.

Soil and groundwater samples analyzed for Volatile Organic Compounds by EPA Method 8260B. Selected soil samples were also analyzed for Semi-Volatiles by EPA 8270C. A soil sample from B20A at a depth of 13 feet below ground surface was also analyzed for pentachlorophenol by EPA 8260C.

INTERNAL DATA REVIEW

A Terra Vac chemist conducted the internal data review. All of the analytical chemistry data was validated by Saylor Data Solutions, a subcontractor to Floyd & Snider. The Saylor Data Solutions data validation report is included in the Northwest Corner PARCC Analysis, presented as Attachment E of Appendix A, Northwest Corner Investigation. Elements covered in the internal data review include precision, accuracy, representativeness, completeness and comparability (PARCC parameters). Analytical holding times, method blanks, laboratory control spikes and laboratory spike duplicates as well as matrix spike and matrix spike duplicates were reviewed. The following is a summary of the data along with any abnormalities and a conclusion as to the usability of the data.

PARCC PARAMETERS

Precision

Relative percent differences (RPD) in the laboratory control spike and laboratory control spike duplicates were generally within the laboratory control limits for all samples with the following exceptions: 1,1-dichloroethene had low recovery in matrix spikes and matrix spike duplicates (MS/MSD) and laboratory control spikes and duplicates (LCS/LCD). The RPD was also slightly high in several of the MS/MSD samples. As this occurred in all of the control samples it indicates that the spiking solution may have been older or prepared improperly. As most of the internal standards and surrogates were within normal parameters, the data can be accepted. Duplicate volatile water samples analyzed during this timeframe were within acceptable parameters for RPD.

Semi-volatile (SVOC) RPDs for the MS/MSD samples were out for phenol and 2-nitrophenol on July 15. They were slightly higher than acceptable limits. The only sample, which had concentrations of the target compounds, was B58, with pentachlorophenol at 12 parts per million (ppm). It is not expected that the out of range RPDs of the MS/MSDs would adversely affect the data. Therefore the data is acceptable.

Accuracy

Several of the soil and groundwater samples were diluted due to high concentrations of target analytes resulting in higher practical quantitation limits (PQLs). All of the diluted samples were within acceptable PQLs based on the concentrations of the target analytes. Therefore, the raised PQLs are not considered an out-of-control condition. Several samples had concentrations of cis-1,2-dichloroethene above the calibration range. As these samples also had other target compounds in lower concentrations, the dilution factor is acceptable.

Representativeness

Representativeness is addressed in the workplan for the site and the design of the sampling location. Samples were generally collected in the designated sampling locations. Duplicate soil and groundwater samples were analyzed.

Completeness

Completeness is defined in the CERCLA program as the percentage of measurements made which are judged to be valid measurements (EPA, 1987). The potential data gaps were assessed as well as matching the chain of custodies to the samples received and analyzed by the laboratory. During this investigation, no samples were lost during shipment. All samples received by the laboratory were analyzed according to the corresponding chain of custody with the exception of samples collected on July 9, 1999. The samples were sent for analysis as Halogenated Volatiles by 8260B and were changed to full 8260Bs after a telephone conversation with the Project Manager.

Data qualifier flags were necessary for low surrogate recoveries in some of the SVOC samples and one of the VOC samples. As the low surrogate recoveries occurred in samples that were either non-detect for any of the target analytes, occurred for no greater than one IS/surrogate per sample, and/or only 1-5% less than acceptable limits data, the sample results were accepted.

Trip blanks were not collected during the July 9 or the July 15 groundwater sampling. All the samples analyzed had high concentrations of volatiles . Duplicate samples were also within acceptable RPDs. Therefore any slight VOC contamination from the transport of the samples would not have a significant effect on the final data and the sample results were accepted.

VOC samples in batches 07-037 (16 days) and 07-038 (15 days) were analyzed out of the 14 day hold time. These exceedances are slight and the data is accepted. Sample b59-30 was analyzed 18 days out of hold time and the results should be qualified as estimates.

Comparability

Field duplicates were within acceptable limits. Laboratory spike and matrix spike duplicate samples were generally within laboratory control limits.

ADDITIONAL PARAMETERS

Hold Times

VOC samples in batches 07-037 (16 days) and 07-038 (15 days) were analyzed out of the 14 day hold time. These exceedances are slight and the data is accepted. Sample b59-30was analyzed 18 days out of hold time and the results should be qualified as estimates.

Blanks

Laboratory blank samples had no contamination.

CONCLUSION

The data is generally acceptable for precision, accuracy, representativeness and completeness with only a few exceptions as noted above. All samples were collected and analyzed according to the workplan. As there were several samples that the quality control from the laboratory was not 100% complete, completeness is qualified at 98+ percent for the collected samples. Appropriate data flags have been applied by the laboratory in those instances where data are required to be qualified according to method protocols or laboratory implementing SOPs. No data had any out-of-control instances that rendered the data unusable. The data, unless otherwise noted, are judged to be valid and usable for their intended purpose.

Supplemental Remedial Investigation and Feasibility Study

Appendix H

Soil Vapor Study

AGENCY REVIEW DRAFT

SUMMARY OF SOIL VAPOR SAMPLING RESULTS

GW International

808 S.W. 15th Avenue
Portland, OR 97205

OCTOBER 24, 2000

AGENCY REVIEW DRAFT

TERRA VAC

Floyd & Snider Inc.

Summary of Soil Vapor Sampling Results

PREPARED FOR:

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OCTOBER 24, 2000

AGENCY REVIEW DRAFT

Table of Contents

List of Tables

List of Figures

List of Attachments

1.0 Introduction

This report presents results of soil vapor and groundwater sampling and analysis conducted in April 2000 at the Great Western Chemical Company dba Great Western International (GWI) site located at 6900 Fox Avenue S. in Seattle, Washington (Figures 1 and 2). Work at this site is being conducted in accordance with an Agreed Order (DE TC91-N203) with the Washington State Department of Ecology (Ecology), and in compliance with the implementing requirements contained in the Washington State Model Toxics Control Act (MTCA). As a requirement of the Agreed Order with Ecology, GWI has conducted annual groundwater and seep sampling efforts at the site since 1990. As a component of these annual samplings, soil vapor samples have been collected during several of these annual events. During both the 1995 and 1996 annual sampling events, soil vapor samples were collected from approximately 10 locations (soil vapor monitoring wells) at the site.

GWI is currently completing a Supplemental Remedial Investigation and Feasibility Study (SRI/FS). This document will address the nature and extent of chemical releases, which occurred at the GWI Seattle facility between 1960 and 1990. In the fall of 1999 as part of the annual groundwater sampling at this site, a synoptic round of groundwater samples were collected from 57 monitoring wells. Vinyl chloride (VC) was detected in many of these monitoring wells at concentrations which exceed those calculated as protective of indoor air, based on the Johnson and Ettinger model, which Ecology has accepted as a reasonable model for these purposes.

In response to these potential exceedences, Terra Vac collected soil vapor and groundwater samples from five locations (Figure 3). In addition to collecting soil vapor and groundwater samples, ambient air samples from each of the soil vapor sampling locations were also collected. Table 1 lists sample types, locations, sample depths and the analyses performed. These locations are adjacent to monitoring wells in which a range of VC concentrations were detected in the 1st Water-Bearing Zone (WBZ) groundwater and where the first silt horizon (SH) is present. This investigation was conducted to determine if due to the concentrations present in groundwater, VC presents a risk to human health or the environment via an ambient or indoor air pathway. The soil vapor and groundwater data collected during this investigation was intended to allow site-specific groundwater concentrations protective of indoor air quality to be derived and to determine the necessity of further air sampling.

Following this introduction, Section 2 describes the methods used to collect these samples. Any field changes to these collection methods are discussed, sampling locations are identified, and the rationale for selecting these locations is provided. Section 3 discusses the quality assurance/quality control (QA/QC) measures taken, the target analytes and their respective detection limits, sample holding times and the collection of field and method blanks. Section 4 provides a brief summary of the results, and Section 5 summarizes the salient conclusions resulting from this investigation.

2.0 Approach to Sampling

SOIL VAPOR SAMPLING

This section discusses the methods used for sampling the three media tested: soil vapor, ambient air, and groundwater. Reasoning for selecting sample locations for each media is presented along with any field conditions warranting a change in methodology.

Using direct push sample collection equipment (Strataprobe), and a sacrificial soil vapor probe, soil vapor samples were collected at several depths from five locations adjacent to (within five feet of) five currently installed monitoring wells (B-10A, B-11, B-44, B-52 and B-58) screened in the 1st WBZ. Each of these five monitoring wells contained varying concentrations of VC in groundwater based on samples collected during the 1999 annual groundwater sampling. Two of these wells (B-52 and B-58) contain VC at concentrations which exceed those determined to be protective of indoor air based on the Johnson and Ettinger model (see Tables 6.2 and 6.4 in SRI/FS). Additional locations (B-10A, B-11 and B-44) were also selected in order to provide a range of VC concentrations in groundwater. The intention was to compare soil vapor concentrations with groundwater concentrations so that the relationship between the two could be used to assess VC concentrations in groundwater protective of indoor and ambient air.

Prior to soil vapor probing at each of the five locations, depth to groundwater was measured in the adjacent monitoring well to ensure sufficient groundwater was present to obtain a groundwater sample. If less than six inches of water was present, an alternate sampling location was to be chosen, however, no alternate locations were required.

Subsequent to verifying groundwater measurements, a sacrificial soil vapor-sampling probe was attached to the lead section of a Strataprobe rod. The sacrificial soil vapor probe was connected to a length of polyethylene tubing which exited through a side port on the upper push rod. The vapor probe, drive rod and tubing assembly was then driven to the first (upper) sample collection depth and, where present, the fractured pavement around the drive rod was filled with granular bentonite to act as a seal.

Using a 100 cubic centimeter syringe connected to the tubing, duplicate soil vapor samples were withdrawn from the probe and injected into pre-cleaned (previously unused) and evacuated vacuum vials. Each vacuum vial had been wrapped in aluminum foil prior to filling to prevent photo-oxidation of the sample. Each vial was promptly delivered to Transglobal Environmental Geosciences Northwest, Inc. (the on-site laboratory), and analyzed for specific halogenated hydrocarbons and BTEX by EPA Method 8021b. Method detection limits are listed in Table 2 and sample results are summarized in Table 3. The laboratory report sheets containing this data are included in Attachment A.

Immediately after the sample taken for on-site analysis was collected, a three-liter pre-evacuated Summa canister was filled with vapor from the same depth and sent to Environmental Analytical Services, Inc. for analysis by EPA Method TO-14 – volatile organic compounds (VOCs). Method detection limits are listed in Table 3 and sample results are summarized in Table 4. The laboratory report sheets containing this data are included in Attachment A.

Selective ion monitoring (SIM) analysis specific for vinyl chloride was also performed on the Summa canisters. Sample results are summarized in Table 5. The laboratory report sheets containing this data are included in Attachment A. Hydrocarbon speciation and Methane analysis were performed on selected Summa canisters. Sample results are summarized in Table 6. The laboratory report sheets containing this data are included in Attachment A.

Following the collection of soil vapor at the first sampling depth, the probe assembly was withdrawn from the ground, and a new probe point was attached to the lead rod (each soil probe point is lost upon rod extraction). A new and longer length of tubing was attached to the vapor probe and the assembly was driven to the next sampling depth. This procedure was repeated for each vapor sample collected.

Following the completion of vapor sampling at each location, the probe rods were removed and the hole produced by the vapor probe was filled with granular bentonite. Bentonite was used to fill each hole to within three inches of ground surface where asphalt was present, and level with the ground surface where asphalt was not present. Where asphalt was present, a cold-asphalt packing mix was used to restore the surface.

Soil vapor samples were collected at the following locations and depths (feet below ground surface).

Location	Depth #1	Depth #2	Depth #3	Depth #4	Depth #5
B-10A	0.25	2.0	4.5	6.5	NS
B-11	0.25	2.0	4.5	6.5	NS
B-44	1.0	3.0	6.0	8.0	NS
B-52	0.25	2.0	4.0	6.0	NS
B-58	0.25	2.0	5.0	7.0	9.0

NS = No sample collected at this depth

AMBIENT AIR MONITORING AND SAMPLING

During the sampling process at each location, ambient air monitoring was also performed using both a photo-ionization detector (PID) calibrated to isobutylene and a Dragger air sampling pump with VC specific indicator tubes. In addition to the air monitoring mentioned, ambient air samples were also collected by syringe and analyzed by the on-site laboratory for specific halogenated hydrocarbons and BTEX by EPA Method 8021b. A Summa canister was also used to collect an ambient air sample from the breathing zone (4.5 ft above ground surface) at well B-52 at the completion of soil vapor and groundwater sampling. Method detection limits are listed in Table 7 and sample results are summarized in Table 8. The laboratory report sheets containing this data are included in Attachment A.

GROUNDWATER SAMPLING

Following soil vapor sampling, groundwater samples were collected from each of the monitoring wells specified. Prior to sample collection, each well was purged using a low-flow peristaltic pump connected to a flow-thru water quality monitoring system (cell). The flow-thru cell simultaneously measures temperature, pH, specific conductance, oxidation-reduction potential

(ORP) and dissolved oxygen (DO). These five parameters were recorded every two minutes until their values stabilized (three consecutive readings within 10%). Once stabilization was reached, the flow-thru cell was disconnected and groundwater samples were collected from the pump discharge line. All samples collected were sent to On-Site Environmental Inc., for VOC analysis by EPA Method 8260b. Method detection limits are listed in Table 9 and sample results are summarized in Table 10. The laboratory report sheets containing this data are included in Attachment A

3.0 Data Quality Assurance

This section presents the data quality assurance procedures taken during this investigation, identifies the target analytes and their associated detection levels, and describes the data quality review performed. This section also includes a discussion of the results of the data quality review and any data quality issues identified. A full Precision Accuracy Representativeness Comparability (PARC) analysis is included in Attachment B.

SOIL VAPOR

Soil vapor samples collected during this investigation were analyzed by two methods. Specific VOCs were quantified by EPA Method 8021b using an on-site gas chromatograph (GC), equipped with dual detectors in series, a photo-ionization detector (PID) and a electrolytic conductivity detector (hall detector (HD)). The primary detector was the PID and the confirmation detector was the HD.

Soil vapor samples collected in Summa canisters were quantified by EPA Method TO-14. The TO-14 method utilizes a GC with a Mass Spectrometer (MS) detector to identify specific compounds regardless of the specific composition. The TO-14 GC/MS method can be made even more sensitive through the use of SIM. SIM targets the specific ions produced by a compound regardless of other compounds present in the sample. With SIM analysis, sample dilution is usually unnecessary and results in very low detection limits.

The target analyte lists for the EPA Method 8021b analyses and the EPA Method TO-14 analyses are listed in Tables 2 and 7 respectively. The minimum detection limits for each of these methods varied between samples due to dilution requirements, however, Tables 2 and 7 list the minimum detection limits demonstrated based on the method blanks run by the respective laboratories prior to sample analysis. Prior to sample analysis by either method, an air blank (VOC free air treated as a sample) was analyzed.

Duplicate samples were also collected for analysis by both methods. Two duplicate samples (VVP10A-6.5 and VVP52-6.0) were collected and analyzed by the on-site laboratory using EPA Method 8021b. One duplicate sample (VP52-0.25) was collected and submitted to Environmental Analytical Inc. for TO-14 analysis. The quality assurance/quality control (QA/QC) requirements applicable to EPA Method 8021b were followed and their results are contained in Attachment B. The QA/QC requirements applicable to EPA Method TO-14 are specified in EPA Method SW 846 and their results are contained in Attachment C.

Soil vapor samples collected for on-site analysis were immediately submitted to the on-site laboratory following collection and analyzed within two hours. Soil vapor samples collected using Summa canisters were submitted to Environmental Analytical Inc. within one day of collection and analyzed within the method specified holding time of 30 days.

A comparison of the results from the two analytical methods performed on soil vapor samples collected during this investigation has identified several inconsistencies. The samples analyzed by TO-14 had detection limits in the parts per billion vapor (ppbV) range while samples analyzed by 8021b had detection limits in the parts per million (ppmV) range. Vinyl chloride was detected

in two of the on-site samples (VVP10A-0.25 at 0.33 ppmV and at VVP11-2 at 0.42 ppmV) using the 8021b method. Using the TO-14 SIM method, VC was also detected at VP11-2 at a concentration of 100.4 ppbV. SIM was not run at VVP10A-0.25, and no VC was detected during the TO-14 analysis. Minimal VC was found during the SIM analyses in VP52-0.25, Ambient Air 6, and VP58-0.25. Concentrations were less than 2 ppbV at each location. The TO-14 method tended to report higher concentrations of the other chlorinated compounds as compared to the 8021 method.

The results of the TO-14 analysis are believed to be more representative of true site conditions due to the following:

1. Sample preservation and integrity is believed to be improved by use of Summa canisters for sample collection.
2. The analytical methods used for Summa canisters analysis are more accurate and less subject to interference produced by high concentrations of other target analytes.
3. The greater volume of soil vapor collected using the TO-14 method is expected to be more representative of the soil pore space surrounding the sample collection location than is the syringe collection method.

Selected Summa canisters were analyzed for Methane by ASTM 3416 and for Hydrocarbon Speciation by TO-14. The results of these analyses are summarized in Table 6.

AMBIENT AIR

Five ambient air samples were collected (one from each of the soil vapor sampling locations) using the syringe method described in Section 2. One additional ambient air sample (Air 6) was collected at the soil vapor sample location associated with monitoring well B-52 using a Summa canister. All ambient air samples were collected at approximately 4.5 feet above ground surface (the breathing zone). The ambient air samples collected using the syringe method were submitted to the on-site laboratory for analysis by EPA Method 8021b, while the ambient air sample collected using the Summa canister was submitted to Environmental Analytical Inc, for EPA Method TO-14 analysis.

The target analyte lists for both the EPA Method 8021b analysis and the EPA Method TO-14 analysis are listed in Table 2. As with the soil vapor samples collected, the ambient air samples submitted to the on-site laboratory were analyzed within two hours of collection. Ambient air results are summarized in Table 8. The Air 6 sample collected using a Summa canister was submitted to Environmental Analytical within one day of collection and analyzed within the 30 day holding time permitted by the TO-14 method. The results are summarized in Table 11.

The quality assurance/quality control (QA/QC) requirements applicable to EPA Method 8021b were followed and the results are contained in Attachment C of this report. The QA/QC requirements applicable to EPA Method TO-14 were also followed, and the results are contained in Attachment C of this report.

GROUNDWATER

Five groundwater samples were collected (one from each of the monitoring wells associated with the soil vapor sampling locations) using the sampling method described in Section 2. In addition to these five samples, a duplicate sample (labeled MW-13) from well B-58 was collected and submitted to Onsite Environmental Inc. for EPA Method 8260b analysis. A field blank (labeled MW-12) consisting of distilled water was also submitted for EPA Method 8260b analysis. The target analyte lists and minimum detection limits for the EPA Method 8260b analysis are listed in Table 9. Sample results are summarized in Table 10. The QA/QC requirements applicable to EPA Method 8260b were followed, and the results of these QA/QC requirements are included in Attachment C along with the full CLP type data deliverables from Onsite Environmental.

4.0 Summary of Results

The following section summarizes results of the soil vapor, ambient air and groundwater sampling and analysis performed during April 2000, and is organized into media specific sections: soil vapor, ambient air and groundwater. As the data between the TO-14 analyses and the 8021b analyses varied greatly, especially for VC, and because the TO-14 data had much lower detection limits, these conclusions are based primarily on the TO-14 data.

SOIL VAPOR

The location, sampled depth and analysis performed on each soil vapor sample collected are listed in Table 1, and a site map depicting the sampling locations is included as Figure 3. A summary of the analytical results reported by the on-site laboratory is summarized in Table 3. Table 4 contains a summary of the VOC results obtained from the TO-14 analysis of the Summa canister samples. The first sample (0.25 ft. bgs) collected at each location was analyzed for VC by GC/MS to increase the sensitivity of the analysis and minimize the interference produced by other compounds present at high concentrations. The results of these SIM analyses are summarized in Table 5. In addition to the VOC analysis, methaneand non-methane hydrocarbon gases (C2-C4 range) were quantitated in many of the samples collected. These results are summarized in Table 6. The results of the ambient air samples analyzed by the on-site laboratory are summarized in Table 8. Groundwater results are summarized in Table 10.

RELATIONSHIP BETWEEN SOIL VAPOR AND GROUNDWATER CONCENTRATIONS

The relationship between soil vapor and groundwater concentrations was analyzed using the Pearson correlation method. The data collected from the uppermost sample depth at each location and at the deepest sample depth at each location was compared to groundwater concentrations from the adjacent monitoring well.

There was little correlation between groundwater concentrations and vapor concentrations for vinyl chloride. The correlation coefficients were less than 0.70 for the 0.25-foot depth using the TO-14 method data. There was no correlation for the 2-foot depth using either the data from the TO-14 analyses or the 8021b analyses. No correlation coefficient between VC in soil vapor and groundwater could be calculated for vapor samples collected at the remaining depths since no vinyl chloride was found in these samples.

The correlation between trichloroethene (TCE) and tetracholorethene (PCE) in soil vapor and groundwater concentration was low. The correlation coefficient for TCE was 0.56 at the 0.25-foot interval and 0.16 at the 6.5-foot interval using the TO-14 data. The correlation coefficient for PCE was 0.66 at the 0.25 interval and showed no correlation in the 6.5-foot interval. As a correlation coefficient of 0.85 or greater is typically considered a significant correlation, neither TCE nor PCE show significant correlation between soil vapor concentrations and groundwater concentrations.

There was no significant correlation between the groundwater and vapor concentrations for the petroleum hydrocarbons. Benzene and toluene were typically detected at the higher depth

samples (i.e. <2 feet). Benzene was detected at station VP11 only. Toluene was detected at stations VP11, VP44, VP52 and VP58.

Benzene and toluene soil vapor results do not coincide with groundwater sample results. Only one groundwater sample collected at well B-44 contained toluene. Toluene was detected in soil vapor probe VP44 at the depth of 1 foot bgs, however, toluene was not detected in soil vapor collected nearest the water table (i.e., 8 feet bgs). Benzene was not detected in groundwater samples, but was detected in soil vapor probe VP11 at a depth of 0.25 feet bgs. Ethyl benzene and xylenes were detected in the groundwater sample collected from well B-10A, but were not present in soil vapor samples collected from this location.

RELATIONSHIP BETWEEN SOIL VAPOR CONCENTRATION AND SAMPLE DEPTH

There appears to be a relationship between soil vapor sampling depth and soil vapor concentration as reported by both the on-site laboratory and the Summa canister data. In four of the five soil vapor sampling locations, PCE, TCE and dichloroethylene (DCE) concentrations increased with depth. This is not true for benzene, toluene, or vinyl chloride, all of which were found only in the upper sampling intervals.

At one sampling location VP-10A (the soil vapor sample location associated with well B-10A) the greatest soil vapor concentrations were reported in samples collected at 2-4.5 ft bgs. Previous soil samples collected from this area of the site detected PCE, TCE and DCE impacts in this same interval. Because groundwater samples collected from well B-10A (discussed later in this section) contained relatively lower concentrations of these compounds then did groundwater samples collected from the other locations sampled, it is reasonable to expect that soil vapor collected at the deeper intervals would contain comparatively lower concentrations of these constituents.

AMBIENT AIR

As mentioned in Section 2, one ambient air sample was collected at each soil vapor sampling location and analyzed by the on-site laboratory. The results from these analyses are summarized in Table 9. At the completion of the sample collection activity a single Summa canister was used to collect an ambient air sample from the breathing zone near well B-52. This sample was sent to Environmental Analytical Services for VOC analysis by EPA Method TO-14 and for VC analysis by SIM. The results of these analyses are summarized in Table 11.

Vinyl chloride was found during the TO-14 SIM analysis at a concentration of 0.315 ppbV. None of the ambient air samples collected during this investigation contained any of the constituents of concern for this site at concentrations exceeding the current OSHA standards or the proposed cleanup levels specified for ambient air in Section 6.2 of the SRI/FS.

GROUNDWATER

Following the collection of soil vapor samples, groundwater samples were collected from the five monitoring wells adjacent to the soil vapor sampling locations. These samples were sent to

OnSite Environmental Inc. for volatile organics analysis using EPA Method 8260b. The results of these analyses are summarized in Table 10.

TRENDS IN GROUNDWATER CONCENTRATION OVER TIME

Groundwater sample results reported during this investigation are similar to those observed during the 1999 annual groundwater sampling event. Wells B-11, B-44 and B-52 contained higher concentrations of the chlorinated solvent parent compounds PCE and TCE than of the chlorinates solvent daughter products cis 1,2-DCE and vinyl chloride, while wells B-10A and B-58 contained greater concentrations of daughter products than parent products. The concentration of the chlorinated solvents PCE and TCE and their breakdown products, DCE and VC, in wells B-10A, B-11, B-44 and B-52, has continued to decline over the last five years. Well B-58 was installed in July 1999, and insufficient data has been collected from this well to provide an indication of the trends in groundwater concentrations over time.

5.0 Conclusions

Correlations between soil vapor and groundwater concentrations for individual ethenes is poor, indicating that groundwater concentrations are a poor predictor of soil vapor concentrations, and that soil vapor concentrations at this site are primarily controlled by vadose zone processes (off-gassing from soils, diffusion through the soil column, and degradation within the vadose zone).

Concentrations in the soil probe locations nearest the surface are the best indicator of a potential to affect ambient air. PCE and TCE concentrations are consistently the highest concentrations. VC concentrations are consistently the lowest; in fact, VC is only detected in 3 of the 5 locations and is below the MTCA Method C criterion for VC in ambient air at these locations (see Section 6.0).

These data would seem to indicate that PCE and TCE should be contaminants of concern (COCs) for soil, while VC does not need to be added to the COC list (there are currently no soil exceedances for VC). Further, this implies that vadose zone soils are affecting vapors in the vadose zone and that this pathway will need to be addressed as part of the remedy.

Summary of Soil Vapor Sampling Results

Tables

AGENCY REVIEW DRAFT

Table 1

Summary of Sample Locations, Depth and Type of Analysis

Sample ID	Location	Depth in Feet	Type	8021b
Air Blank	NA	NA	QA/QC	X
Air 1	Loading Dock	+4.5	AA	X
VVP10A	Loading Dock	0.25	SV	X
VVP10A	Loading Dock	2	SV	X
VVP10A	Loading Dock	4.5	SV	X
VVP10A DUP.	Loading Dock	6.5	SV	X
VVP10A	Loading Dock	6.5	SV	X
VVP11	Frontenac Street	0.25	SV	X
VVP11	Frontenac Street	2	SV	X
VVP11	Frontenac Street	4.5	SV	X
VVP11 1:5*	Frontenac Street	4.5	SV	X
AIR 2	Frontenac Street	+4.5	AA	X
VVP11	Frontenac Street	6.5	SV	X
VVP11 1:5*	Frontenac Street	6.5	SV	X
VVP44	Frontenac Street	1	SV	X
Air 3	Frontenac Street	+4.5	AA	X
VVP44	Frontenac Street	3	SV	X
VVP44	Frontenac Street	6	SV	X
VVP44 1:5*	Frontenac Street	6	SV	X
VVP44	Frontenac Street	8	SV	X
VVP44 1:10*	Frontenac Street	8	SV	X
VVP52	Frontenac Street	0.25	SV	X
VVP52	Frontenac Street	2	SV	X
VVP52 1:5*	Frontenac Street	2	SV	X
Air 4	Frontenac Street	+4.5	AA	X
VVP52	Frontenac Street	4	SV	X
VVP52 1:5*	Frontenac Street	4	SV	X
VVP52	Frontenac Street	6	SV	X
VVP52 1:0*	Frontenac Street	6	SV	X
VVP52 Dup. 1:10*	Frontenac Street	6	SV	X
VVP58	Fox Avenue S.	0.25	SV	X
VVP58	Fox Avenue S.	2	SV	X
Air 5	Fox Avenue S.	+4.5	AA	X
Air 5 Dup.	Fox Avenue S.	+4.5	AA	X
Air Blank	NA	NA	QA/QC	X
VVP58	Fox Avenue S.	5	SV	X
VVP58	Fox Avenue S.	7	SV	X
VVP58 1:5*	Fox Avenue S.	7	SV	X
VVP58	Fox Avenue S.	9	SV	X
VVP58 1:5*	Fox Avenue S.	9	SV	X

Table 1

Summary of Sample Locations, Depth and Type of Analysis

Sample ID	Location	Depth in Feet	Type	TO-14 Volatile	TO-14 SIM VC	TO-14 C2-C5	TO-14 Methane
VP10A	Loading Dock	0.25	SV	X			
VP10A	Loading Dock	0.25	SV				X
VP10A	Loading Dock	2	SV	X			
VP10A	Loading Dock	2	SV				X
VP10A	Loading Dock	4.5	SV	X			
VP10A	Loading Dock	4.5	SV				X
VP10A	Loading Dock	6.5	SV	X			
VP10A	Loading Dock	6.5	SV				X
VP11	Frontenac Street	0.25	SV	X			
VP11	Frontenac Street	0.25	SV				X
VP11	Frontenac Street	2	SV	X			
VP11	Frontenac Street	2	SV		X		
VP11	Frontenac Street	2	SV			X	
VP11	Frontenac Street	2	SV				X
VP11	Frontenac Street	4.5	SV	X			
VP11	Frontenac Street	4.5	SV				X
VP11	Frontenac Street	6.5	SV	X			
VP11	Frontenac Street	6.5	SV				X
VP44	Frontenac Street	1	SV	X			
VP44	Frontenac Street	1	SV				X
VP44	Frontenac Street	3	SV	X			
VP44	Frontenac Street	3	SV				X
VP44	Frontenac Street	6	SV	X			
VP44	Frontenac Street	6	SV				X
VP44	Frontenac Street	8	SV	X			
VP44	Frontenac Street	8	SV				X
VP52	Frontenac Street	0.25	SV	X			
VP52	Frontenac Street	0.25	SV		X		
VP52	Frontenac Street	0.25	SV			X	
VP52	Frontenac Street	0.25	SV				X
VP52-Dup.	Frontenac Street	0.25	SV	X			
VP52-Dup.	Frontenac Street	0.25	SV		X		
VP52-Dup.	Frontenac Street	0.25	SV			X	
VP52-Dup.	Frontenac Street	0.25	SV				X
VP52	Frontenac Street	2	SV	X			
VP52	Frontenac Street	2	SV				X
VP52	Frontenac Street	4	SV	X			
VP52	Frontenac Street	4	SV				X
VP52	Frontenac Street	6	SV	X			
VP52	Frontenac Street	6	SV				X
Air 6	Frontenac Street	+4.5	AA				X
Air 6	Frontenac Street	+4.5	AA		X		
VP58	Fox Avenue S.	0.25	SV	X			
VP58	Fox Avenue S.	0.25	SV		X		
VP58	Fox Avenue S.	0.25	SV			X	
VP58	Fox Avenue S.	0.25	SV				X
VP58	Fox Avenue S.	1.5	SV	X			
VP58	Fox Avenue S.	1.5	SV				X
VP58	Fox Avenue S.	5	SV	X			
VP58	Fox Avenue S.	5	SV				X
VP58	Fox Avenue S.	7	SV	X			
VP58	Fox Avenue S.	7	SV				X

Table 1

Summary of Sample Locations, Depth and Type of Analysis

Sample ID	Location	Depth in Feet	Type	8260B
B-10A	Loading Dock	NA	GW	X
B-11	Frontenac Street	NA	GW	X
B-44	Frontenac Street	NA	GW	X
B-52	Frontenac Street	NA	GW	X
B-58	Fox Avenue S.	NA	GW	X
MW-13 (Dup. B-58)	Fox Avenue S.	NA	QA/QC	X
MW-12 (field Blank)	NA	NA	QA/QC	X

Notes:
+ Feet above ground surface. All others are feet below ground surface.
* Sample dilution factor. All others are analyzed at 1:1.
SV Soil Vapor sample
AA Ambient Air sample
QA/QC Quality Assurance/Quality Control
NA Not applicable
Dup. Duplicate sample
GW Groundwater sample

Table 2

EPA Method 8021B Minimum Detection Limits

Compounds	MDL ppmv
Vinyl Chloride	0.25
Benzene	0.05
Toulene	0.05
Ethylbenzene	0.05
Total Xylenes	0.05
1,1-Dichloroethene	0.05
Methylene chloride	0.05
trans-1,2-Dichloroethene	0.05
1,1-Dichloroethane	0.05
cis-1,2-Dichloroethene	0.05
Chloroform	0.05
1,1,1-Trichloroethane (TCA)	0.05
Carbon tetrachloride	0.05
1,2-Dichloroethane	0.05
Trichloroethene (TCE)	0.05
1,1,2-Trichloroethane	0.05
Tetrachloroethene (PCE)	0.05
1,1,1,2-Tetrachloroethane	0.05
1,1,2,2-Tetrachloroethane	0.05

Notes:
ppvm Parts per million by volume

Table 3

Summary of EPA Method 8021b Results for Soil Vapor

Sample Description:	Air Blank	VVP10A 0.25	VVP10A 2	VVP10A 4.5	VVP10A 6.5	VVP10A 6.5 Dup.	VVP11 0.25	VVP11 2
Sample Dilution:								
	ppmv	ppmv	ppmv	ppmv	ppmv	ppmv	ppmv	ppmv
Compounds								
Vinyl Chloride	ND	**0.33**	ND	ND	ND	ND	ND	**0.42**
Benzene	ND	ND	ND	ND	ND	ND	ND	ND
Toulene	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND
Total Xylenes	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND
Methylene chloride	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	ND	**0.13**	**0.25**	**0.13**	ND	ND	**0.12**	**0.24**
1,1-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	**0.11**
cis-1,2-Dichloroethene	ND	**4.5**	**8.7**	**5.8**	**3.5**	**3.2**	**0.13**	**4.0**
Chloroform	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane (TCA)	ND	ND	ND	ND	ND	ND	ND	**1.8**
Carbon tetrachloride	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene (TCE)	ND	**1.3**	**2.1**	**1.4**	**0.35**	**0.33**	**0.08**	**5.1**
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene (PCE)	ND	**6.5**	**9.6**	**7.4**	**1.4**	**1.2**	**0.27**	**9.5**
1,1,1,2-Tetrachloroethane	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	ND	ND	ND	ND	ND	ND	ND	ND

Table 3

Summary of EPA Method 8021b Results for Soil Vapor

Sample Description:	VVP11 4.5	VVP11 4.5	VVP11 6.5	VVP11 6.5	VVP44 1	VVP44 3	VVP44 6	VVP44 6
Sample Dilution:		1:5		1:5				1:5
	ppmv	ppmv	ppmv	ppmv	ppmv	ppmv	ppmv	ppmv
Compounds								
Vinyl Chloride	ND	<1.25	ND	<1.25	ND	ND	ND	<1.25
Benzene	ND	<0.25	ND	<0.25	**0.07**	ND	**0.05**	<0.25
Toulene	ND	<0.25	ND	<0.25	**0.42**	ND	ND	<0.25
Ethylbenzene	ND	<0.25	ND	<0.25	ND	ND	ND	<0.25
Total Xylenes	ND	<0.25	ND	<0.25	ND	ND	ND	<0.25
1,1-Dichloroethene	ND	<0.25	ND	<0.25	ND	ND	ND	<0.25
Methylene chloride	ND	<0.25	ND	<0.25	ND	ND	ND	<0.25
trans-1,2-Dichloroethene	**0.08**	<0.25	**0.07**	<0.25	ND	ND	**0.22**	<0.25
1,1-Dichloroethane	ND	<0.25	ND	<0.25	ND	ND	**0.09**	<0.25
cis-1,2-Dichloroethene	**6.5**	**6.9**	**8.1**	**9.6**	**0.58**	**1.4**	**8.5**	**8.5**
Chloroform	ND	<0.25	ND	<0.25	ND	ND	ND	<0.25
1,1,1-Trichloroethane (TCA)	**6.8**	**7.0**	**7.5**	**9.7**	ND	**0.11**	**2.7**	**1.9**
Carbon tetrachloride	ND	<0.25	ND	<0.25	ND	ND	ND	<0.25
1,2-Dichloroethane	ND	<0.25	ND	<0.25	ND	ND	ND	<0.25
Trichloroethene (TCE)	**25**	**31**	**>20**	**44**	**0.94**	**2.1**	**12**	**14**
1,1,2-Trichloroethane	ND	<0.25	ND	<0.25	ND	ND	ND	<0.25
Tetrachloroethene (PCE)	**>20**	**76**	**>20**	**110**	**5.0**	**13**	**>20**	**80**
1,1,1,2-Tetrachloroethane	ND	<0.25	ND	<0.25	ND	ND	ND	<0.25
1,1,2,2-Tetrachloroethane	ND	<0.25	ND	<0.25	ND	ND	ND	<0.25

Table 3

Summary of EPA Method 8021b Results for Soil Vapor

Sample Description:	VVP44 8	VVP44 8	VVP52 0.25	VVP52 2	VVP52 2	VVP52 4	VVP52 4	VVP52 6
Sample Dilution:		1:10			1:50		1:50	
	ppmv	ppmv	ppmv	ppmv	ppmv	ppmv	ppmv	ppmv
Compounds								
Vinyl Chloride	ND	<2.5	ND	ND	<1.25	ND	<1.25	ND
Benzene	ND	ND	ND	**0.12**	<0.25	ND	<0.25	ND
Toulene	ND	<0.50	**0.36**	ND	<0.25	ND	<0.25	ND
Ethylbenzene	ND	<0.50	ND	ND	<0.25	ND	<0.25	ND
Total Xylenes	ND	<0.50	ND	ND	<0.25	ND	<0.25	ND
1,1-Dichloroethene	ND	<0.50	ND	ND	<0.25	ND	<0.25	ND
Methylene chloride	ND	<0.50	ND	ND	<0.25	ND	<0.25	ND
trans-1,2-Dichloroethene	**0.32**	<0.50	**0.06**	**0.37**	**0.37**	**0.55**	**0.59**	**0.75**
1,1-Dichloroethane	ND	<0.50	ND	ND	<0.25	ND	<0.25	ND
cis-1,2-Dichloroethene	**12**	**11**	**6.4**	**9.9**	**11**	**13**	**15**	**19**
Chloroform	ND	<0.50	ND	ND	<0.25	ND	<0.25	ND
1,1,1-Trichloroethane (TCA)	**2.8**	**2.9**	ND	**0.28**	**0.3**	**1.2**	**0.97**	**0.8**
Carbon tetrachloride	ND	<0.50	ND	ND	<0.25	ND	<0.25	ND
1,2-Dichloroethane	ND	<0.50	ND	ND	<0.25	ND	<0.25	ND
Trichloroethene (TCE)	**16**	**16**	**1.0**	**12**	**14**	**15**	**19**	**19**
1,1,2-Trichloroethane	ND	<0.50	ND	ND	<0.25	ND	<0.25	ND
Tetrachloroethene (PCE)	**>20**	**100**	**3.4**	**>20**	**68**	**>20**	**74**	**>20**
1,1,1,2-Tetrachloroethane	ND	<0.50	ND	ND	<0.25	ND	<0.25	ND
1,1,2,2-Tetrachloroethane	ND	<0.50	ND	ND	<0.25	ND	<0.25	ND

Table 3

Summary of EPA Method 8021b Results for Soil Vapor

Sample Description:	VVP52 6	VVP52 6 Dup.	VVP58 0.25	VVP58 2	Air Blank	VVP58 5	VVP58 7	VVP58 7
Sample Dilution:	1:10	1:10						1:50
	ppmv	ppmv	ppmv	ppmv	ppmv	ppmv	ppmv	ppmv
Compounds								
Vinyl Chloride	<2.5	<2.5	ND	ND	ND	ND	ND	<1.25
Benzene	<0.50	<0.50	ND	ND	ND	ND	**0.06**	<0.25
Toulene	<0.50	<0.50	**3.7**	**1.7**	ND	**0.2**	**0.05**	<0.25
Ethylbenzene	<0.50	<0.50	**0.09**	**0.11**	ND	ND	ND	<0.25
Total Xylenes	<0.50	<0.50	**0.28**	**0.41**	ND	ND	ND	<0.25
1,1-Dichloroethene	<0.50	<0.50	ND	ND	ND	ND	ND	<0.25
Methylene chloride	<0.50	<0.50	ND	ND	ND	ND	ND	<0.25
trans-1,2-Dichloroethene	**0.81**	**0.74**	ND	ND	ND	ND	**0.47**	**0.44**
1,1-Dichloroethane	<0.50	<0.50	ND	ND	ND	ND	ND	<0.25
cis-1,2-Dichloroethene	**23**	**21**	**0.12**	**0.14**	ND	**13**	**20**	**21**
Chloroform	<0.50	<0.50	ND	ND	ND	ND	ND	<0.25
1,1,1-Trichloroethane (TCA)	**0.86**	**0.65**	NR	ND	ND	**0.65**	**0.06**	<0.25
Carbon tetrachloride	<0.50	<0.50	ND	ND	ND	ND	ND	<0.25
1,2-Dichloroethane	<0.50	<0.50	ND	ND	ND	ND	ND	<0.25
Trichloroethene (TCE)	**27**	**23**	**0.58**	**0.67**	ND	**13**	**18**	**19**
1,1,2-Trichloroethane	<0.50	<0.50	ND	ND	ND	ND	ND	<0.25
Tetrachloroethene (PCE)	**150**	**120**	**1.8**	**2.0**	ND	**25**	**>20**	**36**
1,1,1,2-Tetrachloroethane	<0.50	<0.50	ND	ND	ND	ND	ND	<0.25
1,1,2,2-Tetrachloroethane	<0.50	<0.50	ND	ND	ND	ND	ND	<0.25

Table 3

Summary of EPA Method 8021b Results for Soil Vapor

Sample Description:	VVP589	VVP589
Sample Dilution:		1:50
	ppmv	ppmv
Compounds		
Vinyl Chloride	ND	<1.25
Benzene	ND	<0.25
Toulene	**0.05**	<0.25
Ethylbenzene	ND	<0.25
Total Xylenes	ND	<0.25
1,1-Dichloroethene	ND	<0.25
Methylene chloride	ND	<0.25
trans-1,2-Dichloroethene	**0.51**	**0.44**
1,1-Dichloroethane	ND	<0.25
cis-1,2-Dichloroethene	**22**	**22**
Chloroform	ND	<0.25
1,1,1-Trichloroethane (TCA)	**0.11**	<0.25
Carbon tetrachloride	ND	<0.25
1,2-Dichloroethane	ND	<0.25
Trichloroethene (TCE)	**20**	**21**
1,1,2-Trichloroethane	ND	<0.25
Tetrachloroethene (PCE)	**>20**	**41**
1,1,1,2-Tetrachloroethane	ND	<0.25
1,1,2,2-Tetrachloroethane	ND	<0.25

Notes:
ND Not detected at or above minimum detection limits listed on Table 2.
ppvm Parts per million by volume
Dup. Duplicate sample
NR Not recorded
Samples were analyzed at a 1:1 dilution unless otherwise noted.

Table 4

Summary of EPA Method TO-14 Results for Soil Vapor

Sample Description:	VP10A-.25 µg/m³	VP10A-2 µg/m³	VP10A-4.5 µg/m³	VP10A-6.5 µg/m³	VP11-0.25 µg/m³
Compounds					
Freon 12	ND	ND	ND	ND	ND
Chloromethane	ND	ND	ND	ND	ND
Freon 114	ND	ND	ND	ND	ND
Vinyl Chloride	ND	ND	ND	ND	ND
Bromomethane	ND	ND	ND	ND	ND
Chloroethane	ND	ND	ND	ND	ND
Trichlorofluoromethane	ND	ND	ND	ND	ND
1,1-Dichloroethene	ND	ND	ND	ND	ND
Freon 113	ND	ND	ND	ND	ND
Dichloromethane	ND	ND	ND	ND	ND
1,1-Dichloroethane	ND	ND	ND	ND	ND
c-1,2-Dichloroethene	1.1E+04	1.3E+05	1.4E+05	1.9E+04	490
Chloroform	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	ND	ND	ND	ND	160
1,2-Dichloroethane	ND	ND	ND	ND	ND
Benzene	ND	ND	ND	ND	36
Carbon Tetrachloride	ND	ND	ND	ND	nd
1,2-Dichloropropane	ND	ND	ND	ND	ND
Trichloroethene	2.6E+03	2.6E+04	1.3E+05	1.4E+03	310
c-1,3-Dichloropropene	ND	ND	ND	ND	ND
Toulene	ND	ND	ND	ND	70
t-1,3-Dichloropropene	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	ND	ND	ND	ND	ND
1,2-Dibromoethane	ND	ND	ND	ND	ND
Tetrachloroethene	6.0E+04	8.3E+05	5.7E+06	3.3E+04	2.8E+03
Chlorobenzene	ND	ND	ND	ND	ND
Ethylbenzene	ND	ND	ND	ND	ND
m,p-Xylenes	ND	ND	ND	ND	ND
Styrene	ND	ND	ND	ND	ND
o-Xylene	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	ND	ND	ND	ND	ND
4-Ethyltoulene	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	ND	ND	ND	ND	ND
Benzyl Chloride	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	ND	ND	ND	ND	ND
Hexachlorobutadiene	ND	ND	ND	ND	ND

Table 4

Summary of EPA Method TO-14 Results for Soil Vapor

Sample Description:	VP11-2 µg/m³	VP11-4.5 µg/m³	VP11-6.5 µg/m³	VP44-1 µg/m³	VP44-3 µg/m³
Compounds					
Freon 12	ND	ND	ND	ND	ND
Chloromethane	ND	ND	ND	ND	ND
Freon 114	ND	ND	ND	ND	ND
Vinyl Chloride	ND	ND	ND	ND	ND
Bromomethane	ND	ND	ND	ND	ND
Chloroethane	ND	ND	ND	ND	ND
Trichlorofluoromethane	ND	ND	ND	ND	ND
1,1-Dichloroethene	ND	ND	ND	ND	ND
Freon 113	ND	ND	ND	ND	ND
Dichloromethane	ND	ND	ND	ND	ND
1,1-Dichloroethane	ND	ND	ND	ND	ND
c-1,2-Dichloroethene	1.7E+04	6.9E+04	3.1E+05	4.8E+03	ND
Chloroform	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	ND	4.2E+04	ND	ND	ND
1,2-Dichloroethane	ND	ND	ND	ND	ND
Benzene	ND	ND	ND	ND	ND
Carbon Tetrachloride	ND	ND	ND	ND	ND
1,2-Dichloropropane	ND	ND	ND	ND	ND
Trichloroethene	3.9E+04	4.5E+05	1.3E+06	1.0E+04	ND
c-1,3-Dichloropropene	ND	ND	ND	ND	ND
Toulene	ND	ND	ND	5.9E+03	ND
t-1,3-Dichloropropene	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	ND	ND	ND	ND	ND
1,2-Dibromoethane	ND	ND	ND	ND	ND
Tetrachloroethene	8.3E+05	1.0E+07	4.2E+07	3.1E+05	1.0E+05
Chlorobenzene	ND	ND	ND	ND	ND
Ethylbenzene	ND	ND	ND	ND	ND
m,p-Xylenes	ND	ND	ND	ND	ND
Styrene	ND	ND	ND	ND	ND
o-Xylene	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	ND	ND	ND	ND	ND
4-Ethyltoulene	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	ND	ND	ND	ND	ND
Benzyl Chloride	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	ND	ND	ND	ND	ND
Hexachlorobutadiene	ND	ND	ND	ND	ND

Table 4

Summary of EPA Method TO-14 Results for Soil Vapor

Sample Description:	VP44-6 µg/m³	VP44-8 µg/m³	VP52-0.25 µg/m³	VP52-0.25 µg/m³	VP52-2 µg/m³
Compounds					
Freon 12	ND	ND	ND	ND	ND
Chloromethane	ND	ND	ND	ND	ND
Freon 114	ND	ND	ND	ND	ND
Vinyl Chloride	ND	ND	ND	ND	ND
Bromomethane	ND	ND	ND	ND	ND
Chloroethane	ND	ND	ND	ND	ND
Trichlorofluoromethane	ND	ND	ND	ND	ND
1,1-Dichloroethene	ND	ND	ND	ND	ND
Freon 113	ND	ND	ND	ND	ND
Dichloromethane	ND	ND	ND	ND	ND
1,1-Dichloroethane	ND	ND	ND	ND	ND
c-1,2-Dichloroethene	2.5E+05	1.3E+05	1.3E+04	1.3E+04	1.3E+05
Chloroform	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	ND	ND	ND	ND	ND
1,2-Dichloroethane	ND	ND	ND	ND	ND
Benzene	ND	ND	ND	ND	ND
Carbon Tetrachloride	ND	ND	ND	ND	ND
1,2-Dichloropropane	ND	ND	ND	ND	ND
Trichloroethene	6.8E+05	3.2E+05	3.8E+03	ND	2.1E+05
c-1,3-Dichloropropene	ND	ND	ND	ND	ND
Toulene	ND	ND	2.5E+03	ND	ND
t-1,3-Dichloropropene	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	ND	ND	ND	ND	ND
1,2-Dibromoethane	ND	ND	ND	ND	ND
Tetrachloroethene	4.0E+07	2.1E+07	1.0E+05	2.4E+05	7.2E+06
Chlorobenzene	ND	ND	ND	ND	ND
Ethylbenzene	ND	ND	ND	ND	ND
m,p-Xylenes	ND	ND	ND	ND	ND
Styrene	ND	ND	ND	ND	ND
o-Xylene	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	ND	ND	ND	ND	ND
4-Ethyltoulene	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	ND	ND	ND	ND	ND
Benzyl Chloride	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	ND	ND	ND	ND	ND
Hexachlorobutadiene	ND	ND	ND	ND	ND

Table 4

Summary of EPA Method TO-14 Results for Soil Vapor

Sample Description:	VP52-4 µg/m³	VP52-6 µg/m³	VP58-0.25 µg/m³	VP58-1.5 µg/m³	VP58-5 µg/m³	VP58-7 µg/m³
Compounds						
Freon 12	ND	ND	ND	ND	ND	ND
Chloromethane	ND	ND	ND	ND	ND	ND
Freon 114	ND	ND	ND	ND	ND	ND
Vinyl Chloride	ND	ND	ND	ND	ND	ND
Bromomethane	ND	ND	ND	ND	ND	ND
Chloroethane	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	ND	ND	ND	ND	ND	ND
Freon 113	ND	ND	ND	ND	ND	ND
Dichloromethane	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	ND	ND	ND	ND	ND	ND
c-1,2-Dichloroethene	1.9E+05	1.2E+05	ND	948	6.6E+05	8.5E+05
Chloroform	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	ND	ND	ND	ND	ND	ND
Benzene	ND	ND	ND	ND	ND	ND
Carbon Tetrachloride	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	ND	ND	ND	ND	ND	ND
Trichloroethene	2.8E+05	2.0E+05	4.5E+03	4.2E+03	9.4E+05	1.3E+06
c-1,3-Dichloropropene	ND	ND	ND	ND	ND	ND
Toulene	ND	ND	3.0E+04	6.2E+03	ND	ND
t-1,3-Dichloropropene	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	ND
1,2-Dibromoethane	ND	ND	ND	ND	ND	ND
Tetrachloroethene	7.8E+06	7.1E+06	1.5E+05	9.0E+04	1.4E+07	1.7E+07
Chlorobenzene	ND	ND	ND	ND	ND	ND
Ethylbenzene	ND	ND	ND	ND	ND	ND
m,p-Xylenes	ND	ND	2.2E+03	1.6E+03	ND	ND
Styrene	ND	ND	ND	ND	ND	ND
o-Xylene	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	ND	ND	ND	ND	ND	ND
4-Ethyltoulene	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	ND	ND	ND	ND	ND	ND
Benzyl Chloride	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	ND	ND	ND	ND	ND	ND
Hexachlorobutadiene	ND	ND	ND	ND	ND	ND

Notes:
ND Not detected at or above minimum detection limits listed in Table 3.
µg/m³ Micrograms per meter cubed.
Results only valid up to two significant figures.
Sample description listed indicates location as depth in feet below ground surface.

Table 5

Summary of TO-14 SIM Analysis of Soil Vapor for Vinyl Chloride

Sample Description	Depth bgs	MDL $\mu g/m^3$	Amount $\mu g/m^3$
VP 11	2	1.093	265.071
VP52	0.25	1.535	3.923
VP52 Dup.	0.25	1.545	2.463
VP58	0.25	0.755	1.990

Notes:
bgs Below ground surface.
$\mu g/m^3$ Micrograms per meter cubed.
MDL Minimum detection limit.

Table 6

Summary of Results for Methane and Non-Methane Hydrocarbon Gases

Non-Methane			
VP 11 2 Feet bgs	MDL ppbV	Amount ppbV	Amount µg/m^3
Compounds			
Ethene	10.4	79.09	93.68
Acetylene	10.4	80.53	88.55
Ethane	10.4	994.28	1262.58
Propene	6.93	32.59	57.92
Propane	6.93	144.78	269.63
I-Butane	5.20	47.74	117.16
IsoButene	5.20	ND	ND
1-Butene	5.20	30.48	72.23
n-Butane	5.20	82.34	202.10
t-2-Butene	5.20	23.33	55.28
c-2-Butene	5.20	16.52	39.14
3-Methyl-1-butene	4.16	8.87	26.27
i-Pentane	4.16	21.83	66.50
1-Pentene	4.16	32.57	96.48
n-Pentane	4.16	38.54	117.42
t-2-Pentene	4.16	8.85	26.23
c-2-Pentene	4.16	6.95	20.58
2-Methyl-2-butene	4.16	9.31	27.57
2,2-Dimethylbutane	3.47	ND	ND
Cyclopentene	4.16	4.25	12.24
Cyclopentane	4.16	42.91	127.11
2,3-Dimethylbutane	3.47	ND	ND
2-Methylpentane	3.47	6.89	25.06
3-Methylpentane	3.47	5.07	18.45
n-Hexane	3.47	19.06	69.36
t-2-Hexene	3.47	ND	ND
2-Methyl-2-pentene	3.47	10.49	37.30
c-2-Hexene	3.47	ND	ND
Methylcyclopentane	3.47	5.50	19.55
2,4-Dimethylpentane	2.97	3.67	15.51
Benzene	3.47	22.35	73.73
Cyclohexane	3.47	3.87	13.76

Table 6

Summary of Results for Methane and Non-Methane Hydrocarbon Gases

Non-Methane			
VP 52 .25 Feet bgs	MDL ppbV	Amount ppbV	Amount $\mu g/m^3$
Compounds			
Ethene	7.65	112.15	132.84
Acetylene	7.65	10.63	11.69
Ethane	7.65	244.20	310.09
Propene	5.10	77.25	137.28
Propane	5.10	3328.75	6199.24
I-Butane	3.83	138.58	340.12
IsoButene	3.83	15.67	37.13
1-Butene	3.83	18.62	44.12
n-Butane	3.83	3413.55	8378.19
t-2-Butene	3.83	7.91	18.73
c-2-Butene	3.83	6.85	16.23
3-Methyl-1-butene	3.06	ND	ND
i-Pentane	3.06	19.63	59.81
1-Pentene	3.06	11.97	35.45
n-Pentane	3.06	13.75	41.90
t-2-Pentene	3.06	ND	ND
c-2-Pentene	3.06	ND	ND
2-Methyl-2-butene	3.06	3.33	9.86
2,2-Dimethylbutane	2.55	ND	ND
Cyclopentene	3.06	ND	ND
Cyclopentane	3.06	ND	ND
2,3-Dimethylbutane	2.55	ND	ND
2-Methylpentane	2.55	3.46	12.60
3-Methylpentane	2.55	3.71	13.51
n-Hexane	2.55	6.25	22.76
t-2-Hexene	2.55	ND	ND
2-Methyl-2-pentene	2.55	ND	ND
c-2-Hexene	2.55	ND	ND
Methylcyclopentane	2.55	ND	ND
2,4-Dimethylpentane	2.19	12.30	52.06
Benzene	2.55	9.87	32.56
Cyclohexane	2.55	ND	ND

Table 6

Summary of Results for Methane and Non-Methane Hydrocarbon Gases

Non-Methane			
VP 52 Dup. .25 Feet bgs	MDL ppbV	Amount ppbV	Amount $\mu g/m^3$
Compounds			
Ethene	7.70	73.34	86.87
Acetylene	7.70	8.21	9.03
Ethane	7.70	174.21	221.22
Propene	5.13	49.53	88.02
Propane	5.13	2056.57	3830.02
I-Butane	3.85	86.99	213.52
IsoButene	3.85	10.83	25.66
1-Butene	3.85	11.81	27.98
n-Butane	3.85	2095.57	5143.36
t-2-Butene	3.85	4.95	11.72
c-2-Butene	3.85	4.35	10.32
3-Methyl-1-butene	3.08	ND	ND
i-Pentane	3.08	13.03	39.70
1-Pentene	3.08	7.24	21.45
n-Pentane	3.08	7.22	22.00
t-2-Pentene	3.08	4.38	12.96
c-2-Pentene	3.08	ND	ND
2-Methyl-2-butene	3.08	ND	ND
2,2-Dimethylbutane	2.57	ND	ND
Cyclopentene	3.08	ND	ND
Cyclopentane	3.08	ND	ND
2,3-Dimethylbutane	2.57	ND	ND
2-Methylpentane	2.57	ND	ND
3-Methylpentane	2.57	3.79	13.81
n-Hexane	2.57	1083.28	3942.44
t-2-Hexene	2.57	ND	ND
2-Methyl-2-pentene	2.57	ND	ND
c-2-Hexene	2.57	6.49	23.05
Methylcyclopentane	2.57	ND	ND
2,4-Dimethylpentane	2.20	ND	ND
Benzene	2.57	6.28	20.73
Cyclohexane	2.57	ND	ND

Table 6

Summary of Results for Methane and Non-Methane Hydrocarbon Gases

Non-Methane			
VP 58 .25 Feet bgs	MDL ppbV	Amount ppbV	Amount $\mu g/m^3$
Compounds			
Ethene	7.15	408.54	483.94
Acetylene	7.15	23.54	25.88
Ethane	7.15	703.40	893.21
Propene	4.77	451.45	802.24
Propane	4.77	826.75	1539.68
I-Butane	3.58	68.72	168.66
IsoButene	3.58	59.78	141.64
1-Butene	3.58	88.76	210.32
n-Butane	3.58	745.89	1830.71
t-2-Butene	3.58	32.46	76.92
c-2-Butene	3.58	28.56	67.66
3-Methyl-1-butene	2.86	11.98	35.49
i-Pentane	2.86	30.75	93.68
1-Pentene	2.86	30.78	91.18
n-Pentane	2.86	34.21	104.22
t-2-Pentene	2.86	12.38	36.68
c-2-Pentene	2.86	8.94	26.48
2-Methyl-2-butene	2.86	ND	ND
2,2-Dimethylbutane	2.38	8.25	30.01
Cyclopentene	2.86	5.52	15.88
Cyclopentane	2.86	10.67	31.59
2,3-Dimethylbutane	2.38	ND	ND
2-Methylpentane	2.38	7.81	28.41
3-Methylpentane	2.38	5.69	20.70
n-Hexane	2.38	13.81	50.27
t-2-Hexene	2.38	3.20	11.37
2-Methyl-2-pentene	2.38	ND	ND
c-2-Hexene	2.38	4.30	15.27
Methylcyclopentane	2.38	3.99	14.17
2,4-Dimethylpentane	2.04	ND	ND
Benzene	2.38	28.98	95.58
Cyclohexane	2.38	4.67	16.59

Table 6

Summary of Results for Methane and Non-Methane Hydrocarbon Gases

Methane			
Sample Description	Depth bgs	MDL ppbV	Amount ppbV
VP10A	0.25	1.0	4.9
VP10A	2	1.0	57.4
VP10A	4.5	1.0	57.0
VP10A	6.5	1.0	64.8
VP 11	0.25	1.0	11.0
VP11	2	1.0	4.5
VP 11	4.5	1.0	3.7
VP 11	6.5	1.0	6.6
VP 44	1	1.0	7.5
VP 44	3	1.0	1.3
VP 44	6	1.0	10.0
VP 44	8	1.0	11.8
VP52	0.25	1.0	5.6
VP52	0.25 Dup.	1.0	4.3
VP52	2	1.0	66.6
VP52	4	1.0	90.7
VP52	6	1.0	17.0
Air 6	+4.5	1.0	1.2
VP58	0.25	1.0	6.5
VP58	1.5	1.0	2.9
VP58	5	1.0	5.3
VP58	7	1.0	3.4

Notes:
ND Not detected at or above minimum detection limit.
bgs Below ground surface.
ppbv Parts per billion by volume.
$\mu g/m^3$ Micrograms per meter cubed.
MDL Minimum detection limit.
+ Feet above ground surface. All others are feet below ground surface.
NA Not Applicable.

Table 7

EPA Method TO-14 Minimum Detection Limits

Compounds	MDL µg/m^3
Freon 12	0.51
Chloromethane	0.21
Freon 114	0.72
Vinyl Chloride	0.26
Bromomethane	0.40
Chloroethane	0.27
Trichlorofluoromethane	0.58
1,1-Dichloroethene	0.41
Freon 113	0.79
Dichloromethane	0.36
1,1-Dichloroethane	0.42
c-1,2-Dichloroethene	0.41
Chloroform	0.50
1,1,1-Trichloroethane	0.56
1,2-Dichloroethane	0.42
Benzene	0.33
Carbon Tetrachloride	0.65
1,2-Dichloropropane	0.48
Trichloroethene	0.55
c-1,3-Dichloropropene	0.47
Toulene	0.39
t-1,3-Dichloropropene	0.47
1,1,2-Trichloroethane	0.56
1,2-Dibromoethane	0.79
Tetrachloroethene	0.70
Chlorobenzene	0.48
Ethylbenzene	0.45
m,p-Xylenes	0.45
Styrene	0.44
o-Xylene	0.45
1,1,2,2-Tetrachloroethane	0.71
4-Ethyltoulene	0.51
1,3,5-Trimethylbenzene	0.51
1,2,4-Trimethylbenzene	0.51
1,3-Dichlorobenzene	0.62
Benzyl Chloride	0.54
1,4-Dichlorobenzene	0.62
1,2-Dichlorobenzene	0.62
1,2,4-Trichlorobenzene	0.76
Hexachlorobutadiene	1.10

Notes:
µg/m^3 Micrograms per meter cubed.

Table 8

Summary of EPA Method 8021b Results for Ambient Air

Sample Description:	Air 1 ppmv	Air 2 ppmv	Air 3 ppmv	Air 4 ppmv	Air 5 ppmv	Air 5 Dup.	Air Blank ppmv
Compounds							
Vinyl Chloride	ND	ND	ND	ND	ND	ND	ND
Benzene	ND	ND	ND	ND	ND	ND	ND
Toulene	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	ND	ND	ND	ND	ND	ND	ND
Total Xylenes	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	ND	ND	ND	ND	ND	ND	ND
Methylene chloride	ND	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	ND	ND	ND	ND	ND	ND	ND
Chloroform	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane (TCA)	ND	ND	ND	ND	ND	ND	ND
Carbon tetrachloride	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	ND	ND	ND	ND	ND	ND	ND
Trichloroethene (TCE)	ND	ND	ND	ND	**0.10**	**0.10**	ND
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene (PCE)	ND	**0.04**	**0.09**	ND	**0.97**	**1.10**	ND
1,1,1,2-Tetrachloroethane	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	ND	ND	ND	ND	ND	ND	ND

Notes:
ND Not detected at or above minimum detection limits listed in Table 2.
ppmv Parts per million by volume.

Table 9

EPA Method 8260b Minimum Detection Limits

Compounds	MDL µg/L
Dichlorodifluoromethane	1.00
Chloromethane	1.00
Vinyl Chloride	1.00
Bromethane	1.00
Chloroethane	1.00
Trichlorofluoromethane	1.00
1,1-Dichloroethene	1.00
Acetone	5.00
Carbon Disulfide	1.00
Methylene Chloride	5.00
(trans) 1,2-Dichloroethene	1.00
1,1-Dichloroethane	1.00
Vinyl Acetate	5.00
2,2-Dichloropropane	1.00
(cis) 1,2-Dichloroethene	1.00
2-Butanone	5.00
Chloroform	1.00
1,1,1-Trichloroethane	1.00
Carbon Tetrachloride	1.00
1,1-Dichloropene	1.00
Benzene	1.00
1,2-Dichloroethane	1.00
Trichloroethene	1.00
1,2-Dichloropropane	1.00
Dibromoethane	1.00
Bromodichloromethane	1.00
2-Chloroethyl Vinyl Ether	1.00
(cis) 1,3-Dichloropropene	1.00
Toulene	1.00
(trans) 1,3-Dichloropropene	1.00
1,1,2-Tetrachloroethane	1.00
Tetrachloroethene	1.00
1,3-Dichloropropane	1.00
Methyl Isobutyl Ketone	5.00
Dibromochloromethane	1.00
1,2-Dibromoethane	1.00
Chlorobenzene	1.00
1,1,1,2-Tetrachloroethane	1.00
Ethylbenzene	1.00
m,p-Xylene	2.00
o-Xylene	1.00
Styrene	1.00
Bromoform	1.00
Isopropylbenzene	1.00
Bromobenzene	1.00
1,1,2,2-Tetrachloroethane	1.00
1,2,3-Trichloropropane	1.00

Table 9

EPA Method 8260b Minimum Detection Limits

Compounds	MDL µg/L
n-Propylbenzene	1.00
2-Chlorotoulene	1.00
4-Chlorotoulene	1.00
1,3,5-Trimethylbenzene	1.00
tert-Butylbenzene	1.00
1,2,4-Trimethylbenzene	1.00
sec-Butylbenzene	1.00
1,3-Dichlorobenzene	1.00
p-Isopropyltoulene	1.00
1,4-Dichlorobenzene	1.00
1,2-Dichlorobenzene	1.00
n-Butylbenzene	1.00
1,2-Dibromo-3-chloropropane	1.00
1,2,4-Trichlorobenzene	1.00
Hexachlorobutadiene	1.00
Naphthalene	1.00
1,2,3-Trichlorobenzene	1.00

Notes:
µg/L Micrograms per liter

Table 10

Summary of EPA Method 8260b Results for Groundwater

Compounds	Well Identification						
	B-10A µg/L	B-11 µg/L	B-44 µg/L	B-52 µg/L	B-58 µg/L	MW-13 µg/L	Field Blank ug/L
Dichlorodifluoromethane	ND	ND	ND	ND	ND	ND	ND
Chloromethane	ND	ND	ND	ND	ND	ND	ND
Vinyl Chloride	430	ND	780	1500	2300	2600	ND
Bromethane	ND	ND	ND	ND	ND	ND	ND
Chloroethane	ND	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	ND	ND	ND	ND	ND	ND	ND
Acetone	ND	ND	ND	ND	ND	ND	
Carbon Disulfide	ND	ND	ND	ND	ND	ND	ND
Methylene Chloride	ND	ND	ND	ND	140	ND	ND
(trans) 1,2-Dichloroethene	ND	ND	190	ND	220	260	ND
1,1-Dichloroethane	ND	ND	ND	ND	ND	ND	ND
Vinyl Acetate	ND	ND	ND	ND	ND	ND	ND
2,2-Dichloropropane	ND	ND	ND	ND	ND	ND	ND
(cis) 1,2-Dichloroethene	4100	2800	17000	7100	13000	14000	ND
2-Butanone	ND	ND	ND	ND	ND	ND	ND
Chloroform	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	ND	400	850	ND	ND	ND	ND
Carbon Tetrachloride	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloropene	ND	ND	ND	ND	ND	ND	ND
Benzene	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	ND	6200	11000	1500	6200	7000	ND
1,2-Dichloropropane	ND	ND	ND	ND	ND	ND	ND
Dibromoethane	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane	ND	ND	ND	ND	ND	ND	ND
2-Chloroethyl Vinyl Ether	ND	ND	ND	ND	ND	ND	ND
(cis) 1,3-Dichloropropene	ND	ND	ND	ND	ND	ND	ND
Toulene	ND	ND	3100	ND	ND	ND	ND
(trans) 1,3-Dichloropropene	ND	ND	ND	ND	ND	ND	ND
1,1,2-Tetrachloroethane	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	120	26000	63000	25000	7800	8100	ND
1,3-Dichloropropane	ND	ND	ND	ND	ND	ND	ND
Methyl Isobutyl Ketone	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromoethane	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	ND	ND	ND	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	300	ND	500	ND	ND	ND	ND
m,p-Xylene	590	ND	720	ND	ND	ND	ND
o-Xylene	ND	ND	460	ND	ND	ND	ND
Styrene	ND	ND	ND	ND	ND	ND	ND
Bromoform	ND	ND	ND	ND	ND	ND	ND
Isopropylbenzene	ND	ND	ND	ND	ND	ND	ND

Table 10

Summary of EPA Method 8260b Results for Groundwater

Compounds	Well Identification						
	B-10A µg/L	B-11 µg/L	B-44 µg/L	B-52 µg/L	B-58 µg/L	MW-13 µg/L	Field Blank ug/L
Bromobenzene	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	ND	ND	ND	ND	ND	ND	ND
n-Propylbenzene	ND	ND	ND	ND	ND	ND	ND
4-Chlorotoulene	ND	ND	ND	ND	ND	ND	ND
2-Chlorotoulene	ND	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	**200**	ND	ND	ND	ND	ND	ND
tert-Butylbenzene	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	**370**	ND	**150**	ND	ND	ND	ND
sec-Butylbenzene	ND	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND
p-Isopropyltoulene	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	ND	ND	**250**	ND	ND	ND	ND
n-Butylbenzene	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	ND	ND	ND	ND	ND	ND	ND
Hexachlorobutadiene	ND	ND	ND	ND	ND	ND	ND
Naphthalene	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichlorobenzene	ND	ND	ND	ND	ND	ND	ND

Notes:
ND Not detected at or above minimum detection limits listed in Table 4.
µg/L Micrograms per liter.

Table 11

Summary of TO-14 SIM Analysis of Ambient Air for Vinyl Chloride

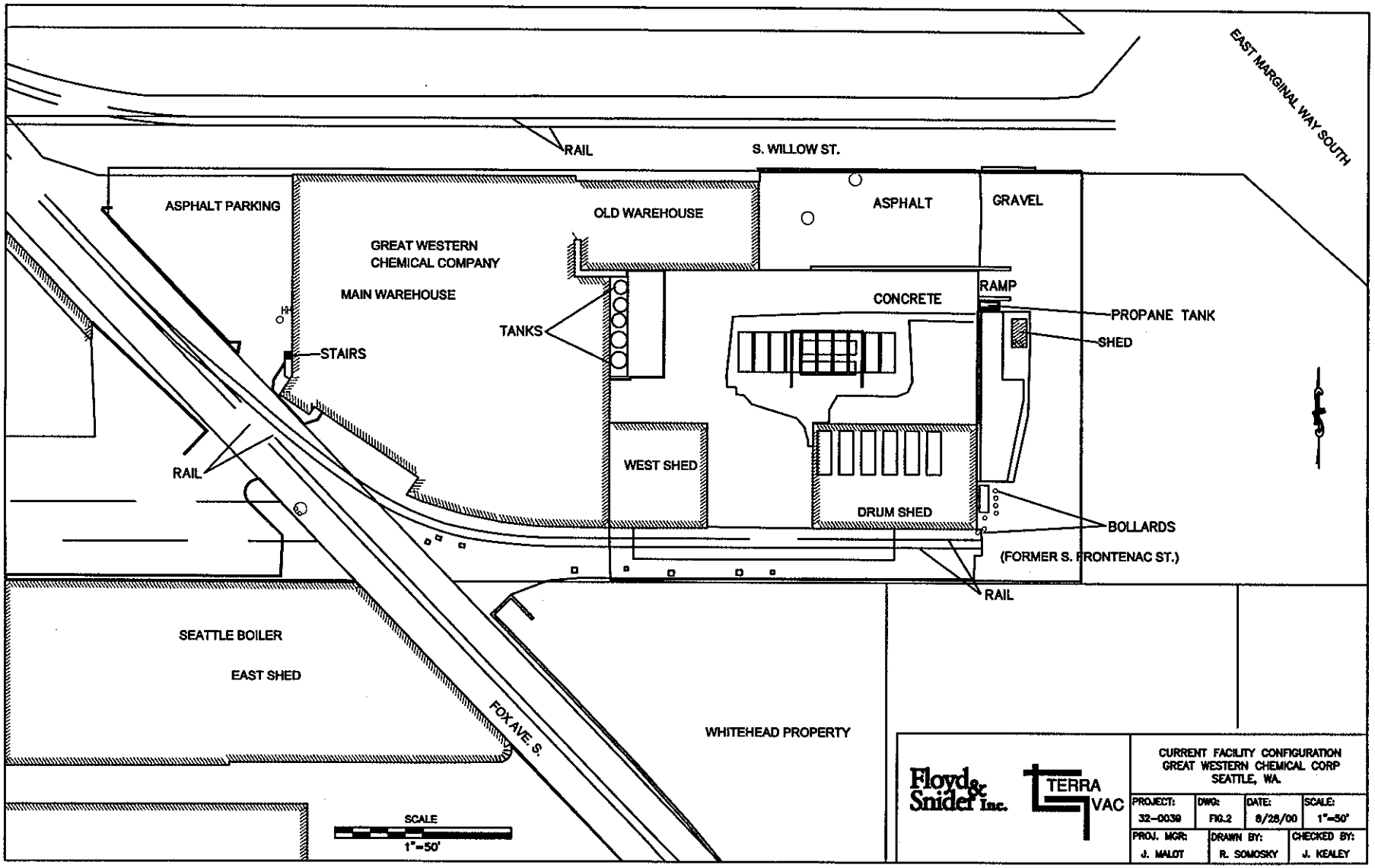
Sample Description	Depth	MDL $\mu g/m^3$	Amount $\mu g/m^3$
AIR 6	+4.5	0.734	0.832

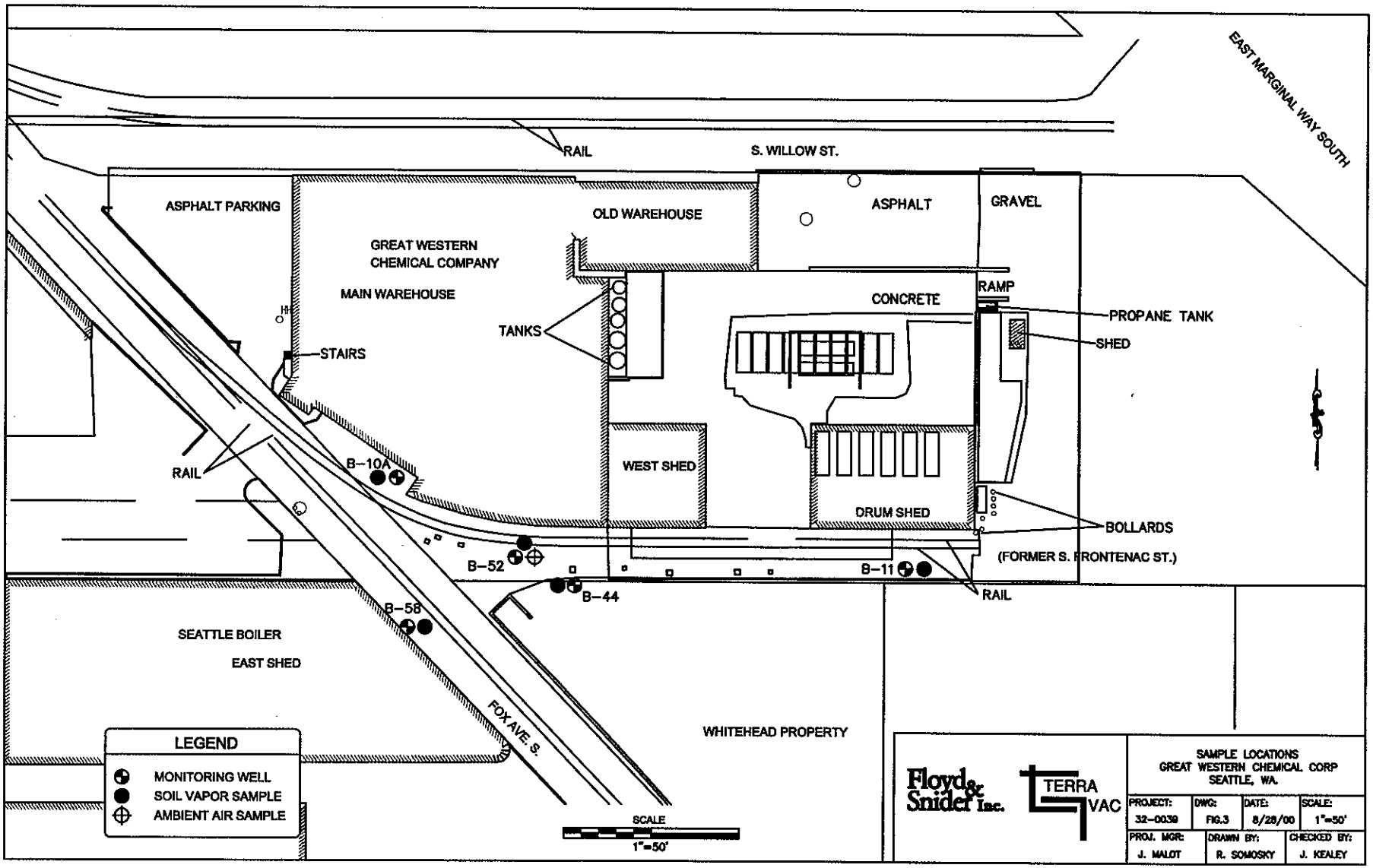
Notes:
+ Above ground surface.
$\mu g/m^3$ Micrograms per meter cubed.
MDL Minimum detection limit.

Summary of Soil Vapor Sampling Results

Figures

AGENCY REVIEW DRAFT


EAST MARGINAL WAY SOUTH
RAIL
S. WILLOW ST.
ASPHALT PARKING
OLD WAREHOUSE
ASPHALT
GRAVEL
GREAT WESTERN
CHEMICAL COMPANY
MAIN WAREHOUSE
CONCRETE
RAMP
PROPANE TANK
SHED
TANKS
STAIRS
RAIL
WEST SHED
DRUM SHED
BOLLARDS
(FORMER S. FRONTENAC ST.)
RAIL
SEATTLE BOILER
EAST SHED
FOX AVE. S.
WHITEHEAD PROPERTY
SCALE
1"=50'
Floyd & Snider Inc.
TERRA VAC
CURRENT FACILITY CONFIGURATION
GREAT WESTERN CHEMICAL CORP
SEATTLE, WA.
PROJECT: 32-0039
DWG: FIG.2
DATE: 8/28/00
SCALE: 1"=50'
PROJ. MGR: J. MALOT
DRAWN BY: R. SOMOSKY
CHECKED BY: J. KEALEY


EAST MARGINAL WAY SOUTH
RAIL
S. WILLOW ST.
ASPHALT PARKING
OLD WAREHOUSE
ASPHALT
GRAVEL
GREAT WESTERN
CHEMICAL COMPANY
MAIN WAREHOUSE
RAMP
CONCRETE
PROPANE TANK
SHED
TANKS
STAIRS
RAIL
B-10A
WEST SHED
DRUM SHED
BOLLARDS
(FORMER S. FRONTENAC ST.)
B-52
B-11
B-44
RAIL
B-58
SEATTLE BOILER
EAST SHED
FOX AVE. S.
WHITEHEAD PROPERTY
LEGEND
MONITORING WELL
SOIL VAPOR SAMPLE
AMBIENT AIR SAMPLE
SCALE
1"=50'
Floyd & Snider Inc.
TERRA VAC
SAMPLE LOCATIONS
GREAT WESTERN CHEMICAL CORP
SEATTLE, WA.
PROJECT: 32-0039
DWG: FIG.3
DATE: 8/28/00
SCALE: 1"=50'
PROJ. MGR: J. MALOT
DRAWN BY: R. SOMOSKY
CHECKED BY: J. KEALEY

Summary of Soil Vapor Sampling Results

Attachment A

Data

AGENCY REVIEW DRAFT

TRANSGLOBAL ENVIRONMENTAL GEOSCIENCES NORTHWEST, INC.

800 Sleater-Kinney SE, PMB #262
Lacey, Washington 98503-1127

Mobile Environmental Laboratories
Environmental Sampling Services

Telephone: **360-459-4670**
Fax: **360-459-3432**

August 1, 2000

Cary Sayler
Sayler Data Solutions
14257 93rd Court NE
Bothell, WA 98011

Dear Ms. Sayler:

Please find enclosed the revised analytical data report for the Great Western Chemical Company Project in Seattle, Washington. StrataProbe and Mobile Laboratory services were conducted on April 17, 2000. Vapor samples were analyzed for Specific Halogenated Hydrocarbons and BTEX by Method 8021B.

The results of these analyses are summarized in the attached tables. Applicable detection limits and QA/QC data are included.

TEG Northwest appreciates the opportunity to have provided analytical services to Terra Vac for this project. It was a pleasure working with you, and we are looking forward to the next opportunity to work together.

Sincerely,

Michael A. Korosec
President

TRANSGLOBAL ENVIRONMENTAL GEOSCIENCES NORTHWEST, INC.

GWCC PROJECT
Seattle, Washington
Terra Vac

Specific Halogenated and Aromatic Hydrocarbons (EPA 8021B) in Vapor

Sample Description		Air Blank	Air 1	VVP10A 0.25	VVP10A 2	VVP10A 4.5	VVP10A 6.5
Date Sampled		--	4/17/00	4/17/00	4/17/00	4/17/00	4/17/00
Date Analyzed		4/17/00	4/17/00	4/17/00	4/17/00	4/17/00	4/17/00
	MDL ppmv	ppmv	ppmv	ppmv	ppmv	ppmv	ppmv
Vinyl chloride	0.25	nd	nd	**0.33**	nd	nd	nd
Benzene	0.05	nd	nd	nd	nd	nd	nd
Toluene	0.05	nd	nd	nd	nd	nd	nd
Ethylbenzene	0.05	nd	nd	nd	nd	nd	nd
Total Xylenes	0.05	nd	nd	nd	nd	nd	nd
1,1-Dichloroethene	0.05	nd	nd	nd	nd	nd	nd
Methylene chloride	0.05	nd	nd	nd	nd	nd	nd
trans-1,2-Dichloroethene	0.05	nd	nd	**0.13**	**0.25**	**0.13**	nd
1,1-Dichloroethane	0.05	nd	nd	nd	nd	nd	nd
cis-1,2-Dichloroethene	0.05	nd	nd	**4.5**	**8.7**	**5.8**	**3.5**
Chloroform	0.05	nd	nd	nd	nd	nd	nd
1,1,1-Trichloroethane (TCA)	0.05	nd	nd	nd	nd	nd	nd
Carbon tetrachloride	0.05	nd	nd	nd	nd	nd	nd
1,2-Dichloroethane	0.05	nd	nd	nd	nd	nd	nd
Trichloroethene (TCE)	0.05	nd	nd	**1.3**	**2.1**	**1.4**	**0.35**
1,1,2-Trichloroethane	0.05	nd	nd	nd	nd	nd	nd
Tetrachloroethene (PCE)	0.05	nd	nd	**6.5**	**9.6**	**7.4**	**1.4**
1,1,1,2-Tetrachloroethane	0.05	nd	nd	nd	nd	nd	nd
1,1,2,2-Tetrachloroethane	0.05	nd	nd	nd	nd	nd	nd

"nd" Indicates not detected at listed detection limit.
"int" Indicates that interference prevents determination.

ANALYSES PERFORMED BY: Chantel Kamm
DATA REVIEWED BY: Sherry Chilcutt

TRANSGLOBAL ENVIRONMENTAL GEOSCIENCES NORTHWEST, INC.

GWCC PROJECT
Seattle, Washington
Terra Vac

Specific Halogenated and Aromatic Hydrocarbons (EPA 8021B) in Vapor

Sample Description		VVP10A 6.5 Dup.	VVP11 0.25	VVP11 2	VVP11 4.5	VVP11 4.5	Air 2
Sample Dilution						1:5	
Date Sampled		4/17/00	4/17/00	4/17/00	4/17/00	4/17/00	4/17/00
Date Analyzed		4/17/00	4/17/00	4/17/00	4/17/00	4/17/00	4/17/00
	MDL ppmv	ppmv	ppmv	ppmv	ppmv	ppmv	ppmv
Vinyl chloride	0.25	nd	nd	**0.42**	nd	<1.25	nd
Benzene	0.05	nd	nd	nd	nd	<0.25	nd
Toluene	0.05	nd	nd	nd	nd	<0.25	nd
Ethylbenzene	0.05	nd	nd	nd	nd	<0.25	nd
Total Xylenes	0.05	nd	nd	nd	nd	<0.25	nd
1,1-Dichloroethene	0.05	nd	nd	nd	nd	<0.25	nd
Methylene chloride	0.05	nd	nd	nd	nd	<0.25	nd
trans -1,2-Dichloroethene	0.05	nd	**0.12**	**0.24**	**0.08**	<0.25	nd
1,1-Dichloroethane	0.05	nd	nd	**0.11**	nd	<0.25	nd
cis -1,2-Dichloroethene	0.05	**3.2**	**0.13**	**4.0**	**6.5**	**6.9**	nd
Chloroform	0.05	nd	nd	nd	nd	<0.25	nd
1,1,1-Trichloroethane (TCA)	0.05	nd	nd	**1.8**	**6.8**	**7.0**	nd
Carbon tetrachloride	0.05	nd	nd	nd	nd	<0.25	nd
1,2-Dichloroethane	0.05	nd	nd	nd	nd	<0.25	nd
Trichloroethene (TCE)	0.05	**0.33**	**0.08**	**5.1**	**25**	**31**	nd
1,1,2-Trichloroethane	0.05	nd	nd	nd	nd	<0.25	nd
Tetrachloroethene (PCE)	0.05	**1.2**	**0.27**	**9.5**	**>20**	**76**	**0.04**
1,1,1,2-Tetrachloroethane	0.05	nd	nd	nd	nd	<0.25	nd
1,1,2,2-Tetrachloroethane	0.05	nd	nd	nd	nd	<0.25	nd

"nd" Indicates not detected at listed detection limit.
"int" Indicates that interference prevents determination.

ANALYSES PERFORMED BY: Chantel Kamm
DATA REVIEWED BY: Sherry Chilcutt

TRANSGLOBAL ENVIRONMENTAL GEOSCIENCES NORTHWEST, INC.

GWCC PROJECT
Seattle, Washington
Terra Vac

Specific Halogenated and Aromatic Hydrocarbons (EPA 8021B) in Vapor

Sample Description		VVP11	VVP11	VVP44	Air 3	VVP44	VVP44
		6.5	6.5	1		3	6
Sample Dilution			1:5				
Date Sampled		4/17/00	4/17/00	4/17/00	4/17/00	4/17/00	4/17/00
Date Analyzed		4/17/00	4/17/00	4/17/00	4/17/00	4/17/00	4/17/00
	MDL						
	ppmv	ppmv	ppmv	ppmv	ppmv	ppmv	ppmv
Vinyl chloride	0.25	nd	<1.25	nd	nd	nd	nd
Benzene	0.05	nd	<0.25	**0.07**	nd	nd	**0.05**
Toluene	0.05	nd	<0.25	**0.42**	nd	nd	nd
Ethylbenzene	0.05	nd	<0.25	nd	nd	nd	nd
Total Xylenes	0.05	nd	<0.25	nd	nd	nd	nd
1,1-Dichloroethene	0.05	nd	<0.25	nd	nd	nd	nd
Methylene chloride	0.05	nd	<0.25	nd	nd	nd	nd
trans-1,2-Dichloroethene	0.05	**0.07**	<0.25	nd	nd	nd	**0.22**
1,1-Dichloroethane	0.05	nd	<0.25	nd	nd	nd	**0.09**
cis-1,2-Dichloroethene	0.05	**8.1**	**9.6**	**0.58**	nd	**1.4**	**8.5**
Chloroform	0.05	nd	<0.25	nd	nd	nd	nd
1,1,1-Trichloroethane (TCA)	0.05	**7.5**	**9.7**	nd	nd	**0.11**	**2.7**
Carbon tetrachloride	0.05	nd	<0.25	nd	nd	nd	nd
1,2-Dichloroethane	0.05	nd	<0.25	nd	nd	nd	nd
Trichloroethene (TCE)	0.05	**>20**	**44**	**0.94**	nd	**2.1**	**12**
1,1,2-Trichloroethane	0.05	nd	<0.25	nd	nd	nd	nd
Tetrachloroethene (PCE)	0.05	**>20**	**110**	**5.0**	**0.09**	**13**	**>20**
1,1,1,2-Tetrachloroethane	0.05	nd	<0.25	nd	nd	nd	nd
1,1,2,2-Tetrachloroethane	0.05	nd	<0.25	nd	nd	nd	nd

"nd" Indicates not detected at listed detection limit.
"int" Indicates that interference prevents determination.

ANALYSES PERFORMED BY: Chantel Kamm
DATA REVIEWED BY: Sherry Chilcutt

TRANSGLOBAL ENVIRONMENTAL GEOSCIENCES NORTHWEST, INC.

GWCC PROJECT
Seattle, Washington
Terra Vac

Specific Halogenated and Aromatic Hydrocarbons (EPA 8021B) in Vapor

Sample Description		VVP44	VVP44	VVP44	VVP52	VVP52	VVP52
		6	8	8	0.25	2	2
Sample Dilution		1:5		1:10			1:5
Date Sampled		4/17/00	4/17/00	4/17/00	4/17/00	4/17/00	4/17/00
Date Analyzed		4/17/00	4/17/00	4/17/00	4/17/00	4/17/00	4/17/00
	MDL						
	ppmv	ppmv	ppmv	ppmv	ppmv	ppmv	ppmv
Vinyl chloride	0.25	<1.25	nd	<2.5	nd	nd	<1.25
Benzene	0.05	<0.25	nd	nd	nd	**0.12**	<0.25
Toluene	0.05	<0.25	nd	<0.50	**0.36**	nd	<0.25
Ethylbenzene	0.05	<0.25	nd	<0.50	nd	nd	<0.25
Total Xylenes	0.05	<0.25	nd	<0.50	nd	nd	<0.25
1,1-Dichloroethene	0.05	<0.25	nd	<0.50	nd	nd	<0.25
Methylene chloride	0.05	<0.25	nd	<0.50	nd	nd	<0.25
trans-1,2-Dichloroethene	0.05	<0.25	**0.32**	<0.50	**0.06**	**0.37**	**0.37**
1,1-Dichloroethane	0.05	<0.25	nd	<0.50	nd	nd	<0.25
cis-1,2-Dichloroethene	0.05	**8.5**	**12**	**11**	**6.4**	**9.9**	**11**
Chloroform	0.05	<0.25	nd	<0.50	nd	nd	<0.25
1,1,1-Trichloroethane (TCA)	0.05	**1.9**	**2.8**	**2.9**	nd	**0.28**	**0.30**
Carbon tetrachloride	0.05	<0.25	nd	<0.50	nd	nd	<0.25
1,2-Dichloroethane	0.05	<0.25	nd	<0.50	nd	nd	<0.25
Trichloroethene (TCE)	0.05	**14**	**16**	**16**	**1.0**	**12**	**14**
1,1,2-Trichloroethane	0.05	<0.25	nd	<0.50	nd	nd	<0.25
Tetrachloroethene (PCE)	0.05	**80**	**>20**	**100**	**3.4**	**>20**	**68**
1,1,1,2-Tetrachloroethane	0.05	<0.25	nd	<0.50	nd	nd	<0.25
1,1,2,2-Tetrachloroethane	0.05	<0.25	nd	<0.50	nd	nd	<0.25

"nd" Indicates not detected at listed detection limit.
"int" Indicates that interference prevents determination.

ANALYSES PERFORMED BY: Chantel Kamm
DATA REVIEWED BY: Sherry Chilcutt

TRANSGLOBAL ENVIRONMENTAL GEOSCIENCES NORTHWEST, INC.

GWCC PROJECT
Seattle, Washington
Terra Vac

Specific Halogenated and Aromatic Hydrocarbons (EPA 8021B) in Vapor

Sample Description		Air 4	VVP52 4	VVP52 4	VVP52 6	VVP52 6	VVP52 6 Dup.
Sample Dilution				1:5		1:10	1:10
Date Sampled		4/17/00	4/17/00	4/17/00	4/17/00	4/17/00	4/17/00
Date Analyzed		4/17/00	4/17/00	4/17/00	4/17/00	4/17/00	4/17/00
	MDL ppmv	ppmv	ppmv	ppmv	ppmv	ppmv	ppmv
Vinyl chloride	0.25	nd	nd	<1.25	nd	<2.5	<2.5
Benzene	0.05	nd	nd	<0.25	nd	<0.50	<0.50
Toluene	0.05	nd	nd	<0.25	nd	<0.50	<0.50
Ethylbenzene	0.05	nd	nd	<0.25	nd	<0.50	<0.50
Total Xylenes	0.05	nd	nd	<0.25	nd	<0.50	<0.50
1,1-Dichloroethene	0.05	nd	nd	<0.25	nd	<0.50	<0.50
Methylene chloride	0.05	nd	nd	<0.25	nd	<0.50	<0.50
trans-1,2-Dichloroethene	0.05	nd	**0.55**	**0.59**	**0.75**	**0.81**	**0.74**
1,1-Dichloroethane	0.05	nd	nd	<0.25	nd	<0.50	<0.50
cis-1,2-Dichloroethene	0.05	nd	**13**	**15**	**19**	**23**	**21**
Chloroform	0.05	nd	nd	<0.25	nd	<0.50	<0.50
1,1,1-Trichloroethane (TCA)	0.05	nd	**1.2**	**0.97**	**0.80**	**0.86**	**0.65**
Carbon tetrachloride	0.05	nd	nd	<0.25	nd	<0.50	<0.50
1,2-Dichloroethane	0.05	nd	nd	<0.25	nd	<0.50	<0.50
Trichloroethene (TCE)	0.05	nd	**15**	**19**	**19**	**27**	**23**
1,1,2-Trichloroethane	0.05	nd	nd	<0.25	nd	<0.50	<0.50
Tetrachloroethene (PCE)	0.05	nd	**>20**	**74**	**>20**	**150**	**120**
1,1,1,2-Tetrachloroethane	0.05	nd	nd	<0.25	nd	<0.50	<0.50
1,1,2,2-Tetrachloroethane	0.05	nd	nd	<0.25	nd	<0.50	<0.50

"nd" Indicates not detected at listed detection limit.
"int" Indicates that interference prevents determination.

ANALYSES PERFORMED BY: Chantel Kamm
DATA REVIEWED BY: Sherry Chilcutt

TRANSGLOBAL ENVIRONMENTAL GEOSCIENCES NORTHWEST, INC.

GWCC PROJECT
Seattle, Washington
Terra Vac

Specific Halogenated and Aromatic Hydrocarbons (EPA 8021B) in Vapor

Sample Description		VVP58	VVP58	Air 5	Air 5	Air	VVP58
		0.25	2		Dup.	Blank	5
Sample Dilution							
Date Sampled		4/17/00	4/17/00	4/17/00	4/17/00	--	4/17/00
Date Analyzed		4/17/00	4/17/00	4/17/00	4/17/00	4/17/00	4/17/00
	MDL						
	ppmv	ppmv	ppmv	ppmv	ppmv	ppmv	ppmv
Vinyl chloride	0.25	nd	nd	nd	nd	nd	nd
Benzene	0.05	nd	nd	nd	nd	nd	nd
Toluene	0.05	**3.7**	**1.7**	nd	nd	nd	**0.20**
Ethylbenzene	0.05	**0.09**	**0.11**	nd	nd	nd	nd
Total Xylenes	0.05	**0.28**	**0.41**	nd	nd	nd	nd
1,1-Dichloroethene	0.05	nd	nd	nd	nd	nd	nd
Methylene chloride	0.05	nd	nd	nd	nd	nd	nd
trans-1,2-Dichloroethene	0.05	nd	nd	nd	nd	nd	nd
1,1-Dichloroethane	0.05	nd	nd	nd	nd	nd	nd
cis-1,2-Dichloroethene	0.05	**0.12**	**0.14**	nd	nd	nd	**13**
Chloroform	0.05	nd	nd	nd	nd	nd	nd
1,1,1-Trichloroethane (TCA)	0.05		nd	nd	nd	nd	**0.65**
Carbon tetrachloride	0.05	nd	nd	nd	nd	nd	nd
1,2-Dichloroethane	0.05	nd	nd	nd	nd	nd	nd
Trichloroethene (TCE)	0.05	**0.58**	**0.67**	**0.10**	**0.10**	nd	**13**
1,1,2-Trichloroethane	0.05	nd	nd	nd	nd	nd	nd
Tetrachloroethene (PCE)	0.05	**1.8**	**2.0**	**0.97**	**1.1**	nd	**25**
1,1,1,2-Tetrachloroethane	0.05	nd	nd	nd	nd	nd	nd
1,1,2,2-Tetrachloroethane	0.05	nd	nd	nd	nd	nd	nd

"nd" Indicates not detected at listed detection limit.
"int" Indicates that interference prevents determination.

ANALYSES PERFORMED BY: Chantel Kamm
DATA REVIEWED BY: Sherry Chilcutt

TRANSGLOBAL ENVIRONMENTAL GEOSCIENCES NORTHWEST, INC.

GWCC PROJECT
Seattle, Washington
Terra Vac

Specific Halogenated and Aromatic Hydrocarbons (EPA 8021B) in Vapor

Sample Description		VVP58 7	VVP58 7	VVP58 9	VVP58 9
Sample Dilution			1:5		1:5
Date Sampled		4/17/00	4/17/00	4/17/00	4/17/00
Date Analyzed		4/17/00	4/17/00	4/17/00	4/17/00
	MDL ppmv	ppmv	ppmv	ppmv	ppmv
Vinyl chloride	0.25	nd	<1.25	nd	<1.25
Benzene	0.05	**0.06**	<0.25	nd	<0.25
Toluene	0.05	**0.05**	<0.25	**0.05**	<0.25
Ethylbenzene	0.05	nd	<0.25	nd	<0.25
Total Xylenes	0.05	nd	<0.25	nd	<0.25
1,1-Dichloroethene	0.05	nd	<0.25	nd	<0.25
Methylene chloride	0.05	nd	<0.25	nd	<0.25
trans-1,2-Dichloroethene	0.05	**0.47**	**0.44**	**0.51**	**0.44**
1,1-Dichloroethane	0.05	nd	<0.25	nd	<0.25
cis-1,2-Dichloroethene	0.05	**20**	**21**	**22**	**22**
Chloroform	0.05	nd	<0.25	nd	<0.25
1,1,1-Trichloroethane (TCA)	0.05	**0.06**	<0.25	**0.11**	<0.25
Carbon tetrachloride	0.05	nd	<0.25	nd	<0.25
1,2-Dichloroethane	0.05	nd	<0.25	nd	<0.25
Trichloroethene (TCE)	0.05	**18**	**19**	**20**	**21**
1,1,2-Trichloroethane	0.05	nd	<0.25	nd	<0.25
Tetrachloroethene (PCE)	0.05	**>20**	**36**	**>20**	**41**
1,1,1,2-Tetrachloroethane	0.05	nd	<0.25	nd	<0.25
1,1,2,2-Tetrachloroethane	0.05	nd	<0.25	nd	<0.25

"nd" Indicates not detected at listed detection limit.
"int" Indicates that interference prevents determination.

ANALYSES PERFORMED BY: Chantel Kamm
DATA REVIEWED BY: Sherry Chilcutt

June 5, 2000
Sample Delivery Group (SDG): 200171

David Baumeister
OnSite Environmental Labs, Inc.
14648 NE 95th Street
Redmond, WA 98052

Dear David:

Enclosed is the analytical report for the samples received and analyzed by Environmental Analytical Service, Inc., for the following project:

Project Name: GWCC
Project #: 32-0039

The report consists of the following sections:

I. Sample Description
II. Laboratory Narrative and Chain of Custody Forms
III. Laboratory Certification
IV. Quality Control Reports
V. Analytical Results

If you have any questions on the report or the analytical data please contact me at (805) 781-3585.

Sincerely,

Steven D. Hoyt, Ph.D.
Laboratory Director

SDH/lims

173 Cross Street
San Luis Obispo, CA
93401-7597

805.781.3585

Fax 805.541.4550

Analytical Report

ENVIRONMENTAL
Analytical Service, Inc.

SDG Number 200171

Client: OnSite Environmental Labs, Inc. **Date Received:** 4/19/00

I. SAMPLE DESCRIPTION AND ANALYSIS REQUESTED

Client Sample No.	EAS Lab No.	Analysis Requested	Date Sampled	Pressure (torr) Rec	Final
VP10A-0.25	2001711	ASTM 3416 Methane	4/17/00	566	903
VP10A-0.25	2001711	EPA TO-14 Volatile Organics	4/17/00	566	903
VP10A-2	2001712	EPA TO-14 Volatile Organics	4/17/00	570	932
VP10A-2	2001712	ASTM 3416 Methane	4/17/00	570	932
VP10A-4.5	2001713	ASTM 3416 Methane	4/17/00	574	914
VP10A-4.5	2001713	EPA TO-14 Volatile Organics	4/17/00	574	914
VP10A-6.5	2001714	EPA TO-14 Volatile Organics	4/17/00	576	909
VP10A-6.5	2001714	ASTM 3416 Methane	4/17/00	576	909
VP11-0.25	2001715	EPA TO-14 Volatile Organics	4/17/00	572	903
VP11-0.25	2001715	ASTM 3416 Methane	4/17/00	572	903
VP11-2	2001716	ASTM 3416 Methane	4/17/00	562	907
VP11-2	2001716	EPA TO-14 Hydrocarbon Speciation C2-C5	4/17/00	562	907
VP11-2	2001716	EPA TO-14 Volatile Organics	4/17/00	562	907
VP11-2	2001716	EPA TO-14 SIM Vinyl Chloride	4/17/00	562	907
VP11-4.5	2001717	EPA TO-14 Volatile Organics	4/17/00	569	923
VP11-4.5	2001717	ASTM 3416 Methane	4/17/00	569	923
VP11-6.5	2001718	ASTM 3416 Methane	4/17/00	573	919
VP11-6.5	2001718	EPA TO-14 Volatile Organics	4/17/00	573	919
VP44-1	2001719	ASTM 3416 Methane	4/17/00	565	903
VP44-1	2001719	EPA TO-14 Volatile Organics	4/17/00	565	903
VP44-3	20017110	ASTM 3416 Methane	4/17/00	574	932
VP44-3	20017110	EPA TO-14 Volatile Organics	4/17/00	574	932
VP44-6	20017111	EPA TO-14 Volatile Organics	4/17/00	597	926
VP44-6	20017111	ASTM 3416 Methane	4/17/00	597	926
VP44-8	20017112	EPA TO-14 Volatile Organics	4/17/00	605	907
VP44-8	20017112	ASTM 3416 Methane	4/17/00	605	907
VP52-0.25	20017113	EPA TO-14 SIM Vinyl Chloride	4/17/00	590	905
VP52-0.25	20017113	EPA TO-14 Hydrocarbon Speciation C2-C5	4/17/00	590	905
VP52-0.25	20017113	ASTM 3416 Methane	4/17/00	590	905
VP52-0.25	20017113	EPA TO-14 Volatile Organics	4/17/00	590	905
VP52-0.25 DUP	20017114	EPA TO-14 Hydrocarbon Speciation C2-C5	4/17/00	590	907
VP52-0.25 DUP	20017114	EPA TO-14 SIM Vinyl Chloride	4/17/00	590	907
VP52-0.25 DUP	20017114	ASTM 3416 Methane	4/17/00	590	907
VP52-0.25 DUP	20017114	EPA TO-14 Volatile Organics	4/17/00	590	907
VP52-2	20017115	ASTM 3416 Methane	4/17/00	595	912
VP52-2	20017115	EPA TO-14 Volatile Organics	4/17/00	595	912
VP52-4	20017116	EPA TO-14 Volatile Organics	4/17/00	598	907
VP52-4	20017116	ASTM 3416 Methane	4/17/00	598	907
VP52-6	20017117	ASTM 3416 Methane	4/17/00	599	903

Client Sample No.	EAS Lab No.	Analysis Requested	Date Sampled	Pressure (torr) Rec	Final
VP52-6	20017117	EPA TO-14 Volatile Organics	4/17/00	599	903
Air 6	20017118	ASTM 3416 Methane	4/17/00	655	911
Air 6	20017118	EPA TO-14 SIM Vinyl Chloride	4/17/00	655	911
VP58-0.25	20017119	ASTM 3416 Methane	4/17/00	641	918
VP58-0.25	20017119	EPA TO-14 Hydrocarbon Speciation, C2-C4	4/17/00	641	918
VP58-0.25	20017119	EPA TO-14 Volatile Organics	4/17/00	641	918
VP58-0.25	20017119	EPA TO-14 SIM Vinyl Chloride	4/17/00	641	918
VP58-1.5	20017120	ASTM 3416 Methane	4/17/00	631	914
VP58-1.5	20017120	EPA TO-14 Volatile Organics	4/17/00	631	914
VP58-5	20017121	ASTM 3416 Methane	4/17/00	625	910
VP58-5	20017121	EPA TO-14 Volatile Organics	4/17/00	625	910
VP58-7	20017122	EPA TO-14 Volatile Organics	4/17/00	627	910
VP58-7	20017122	ASTM 3416 Methane	4/17/00	627	910

II. LABORATORY CASE NARRATIVE and CHAIN OF CUSTODY FORMS

EAS SDG Number 200171

Client: OnSite Environmental Labs, Inc.

All laboratory criteria were met for the samples in this report except for the following:

4/28/00

Vinyl chloride exceeds the QC limits for % deviation on the continuing calibration. The QC limits for % deviation is +/- 30. The % deviation for vinyl chloride is -30.1. This does not affect data quality.

5/2/00

Tetrachloroethene exceeds the QC limits for the method blank analysis. The contamination is less than the PQL of 5x the MDL. This is due to low level matrix contamination in the system. This does not affect data quality.

5/3/00

Chlorobenzene exceeds the QC limits for % recovery on the spike duplicate analysis on 5/3/00. The % recovery of chlorobenzene on the spike duplicate run is 68%. The QC limits for % recovery are 70 -130%. This does not affect data quality.

Tetrachloroethene exceeds the QC limits for the method blank analysis. The contamination is less than the PQL of 5x the MDL. This is due to low level matrix contamination in the system. This does not affect data quality.

III. LABORATORY CERTIFICATION

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness other than the condition noted above.

Steven D. Boyt, Ph.D.
Laboratory Director

Attn: Leslie / Inorganics

CHAIN OF CUSTODY RECORD

(FOR SUBCONTRACT LABORATORY)

OnSite Environmental Inc.
14648 NE 95th Street, Redmond, WA 98052 (425) 883-3881

OSE Traveler Number: 04-104

Project Manager: David Baumeister

Project Number: 32-0039

Project Name: GWCC

per D.B. 4/19 pm

dash	Sample Number/Name	Date Sampled	Matrix	# Jars	Can #	Analysis Requested	Lab I.D.	I.P. / F.P.	Comments
1	VP10A-0.25	4-17-00	Air	1	387	TO14	20017-1	RUSH	566/903
2	VP10A-2				323		-2	5 DAY	-TAT 574/932
3	VP10A-4.5				309		-3	574/914 ALL	
4	VP10A-6.5				357		-4	574/919	where charge.
5	VP11-0.25				362		-5	572/903	
6	VP11-2				314		-6	562/907	
7	VP11-4.5				322		-7	569/923	
8	VP11-6.5				367		-8	573/919	SHELF: S,T
9	VP44-1				329		-9	565/903	
10	VP44-3				333		-10	574/932	
11	VP44-6				300		-11	597/926	
12	VP44-8				379		-12	605/907	

He

Submitted:	date: 4/18/00	Received by:	date:		
Firm:	time:	Firm:	time:		
Submitted:	date:	Received by: Chuck Virden	date:	4/19/00	
Firm:	time:	Firm: EAS SAMCO	time:	1220	

pg 1 of 2

CHAIN OF CUSTODY RECORD

(FOR SUBCONTRACT LABORATORY)

OnSite Environmental Inc.

14648 NE 95th Street, Redmond, WA 98052 (425) 883-3881

OSE Traveler Number: 04-104

Project Manager: David Baumeister

Project Number: 32-0039

Project Name: GWCC

Can # — He

dash	Sample Number/Name	Date Sampled	Matrix	# Jars	Analysis Requested	LAB I.D.	comments	I.P. \ F.P.
13	VP52-0.25	4-17-00	Air	1	TO-14	200171-13		590\905
14	VP52-0.25 DUP					-14		590\907
15	VP52-2					-15		595\912
16	VP52-4					-16		598\907
17	VP52-6					-17		599\903
18	Air 6				VINYL CHLORIDE ONLY (SIMS)	-18		655\911
19	VP58-0.25				TO-14 &SIM (psi D.B 5/4)	-19		641\918
20	VP58-1.5					-20		631\914
21	VP58-5					-21		625\910
22	VP58-7					-22		627\910
						SHELF: S&T		

Submitted: [signature]	date: 4/18/00	Received by:	date:		
Firm: OSE	time:	Firm:	time:		
Submitted:	date:	Received by: Chuck Virden	date:	4/19/00	
Firm:	time:	Firm: EAS SAMCO	time:	1220	

Pg 2 of 2

IV. QUALITY CONTROL REPORT

SDG Number: 200171
Client: OnSite Environmental Labs, Inc.

LABORATORY QC REPORT

QC NARRATIVE

This report was run with the standard laboratory QC.

STANDARD LABORATORY QC REPORT

Unless project specific QC was requested, this Section contains the standard laboratory QC supplied with the analytical reports, which includes the daily method blank and the daily duplicate control samples as described below. Each day that samples are analyzed comprises a Daily Analytical Batch for a particular instrument. A Daily Analytical Batch QC report will be supplied for each method and each day samples from this SDG Group were analyzed.

METHOD BLANK

A method blank is a laboratory-generated sample which assesses the degree to which laboratory operations and procedures cause false-positive analytical results for your samples. A copy of the batch blank is included with the report.

DUPLICATE CONTROL SAMPLES

A duplicate or duplicate control sample (DCS) was analyzed as part of each daily analytical batch. A DCS is a well-characterized matrix (blank water, ambient air, or actual sample) which may or may not be spiked and run in duplicate with your sample batch. The results are on the attached Duplicate Sample/Spike results. Precision is measured in a duplicate test by Relative Percent Difference (RPD) as in:

$$RPD = \frac{[\%\ \text{Recovery Test 1} - \%\ \text{Recovery Test 2}] \times 100}{(\text{Recovery Test 1} + \text{Recovery Test 2}) / 2}$$

METHOD BLANK REPORT

SDG: LABQC

Analytical Method: TO-14 — Laboratory Number: B04280

File:	B04280A.D	Date Sampled:	Time Sampled:
Client:		Date Received:	
Description:	METHOD BLANK	Date Analyzed: 04/28/00	Time Analyzed: 11:40
Sam_Type:	MB	Dilution Factor: 2.00	Can#:
QC_Batch:	042800-MS2	Analyst: KK	

CAS#	Compound	Flag	MDL ppbv	Amount ppbv	MDL ug/m3*	Amount ug/m3*
75-71-8	Freon 12	U	0.10	0.10	0.51	0.51
74-87-3	Chloromethane	U	0.10	0.10	0.21	0.21
76-14-2	Freon 114	U	0.10	0.10	0.72	0.72
75-01-4	Vinyl chloride	U	0.10	0.10	0.26	0.26
74-83-9	Bromomethane	U	0.10	0.10	0.40	0.40
75-00-3	Chloroethane	U	0.10	0.10	0.27	0.27
75-69-4	Trichlorofluoromethane	U	0.10	0.10	0.58	0.58
75-35-4	1,1-Dichloroethene	U	0.10	0.10	0.41	0.41
76-13-1	Freon 113	U	0.10	0.10	0.79	0.79
75-09-2	Dichloromethane	U	0.10	0.10	0.36	0.36
75-34-3	1,1-Dichloroethane	U	0.10	0.10	0.42	0.42
156-59-2	c-1,2-Dichloroethene	U	0.10	0.10	0.41	0.41
67-66-3	Chloroform	U	0.10	0.10	0.50	0.50
71-55-6	1,1,1-Trichloroethane	U	0.10	0.10	0.56	0.56
107-06-2	1,2-Dichloroethane	U	0.10	0.10	0.42	0.42
71-43-2	Benzene	U	0.10	0.10	0.33	0.33
56-23-5	Carbon Tetrachloride	U	0.10	0.10	0.65	0.65
78-87-5	1,2-Dichloropropane	U	0.10	0.10	0.48	0.48
79-01-6	Trichloroethene	U	0.10	0.10	0.55	0.55
10061-01-5	c-1,3-Dichloropropene	U	0.10	0.10	0.47	0.47
108-88-3	Toluene	U	0.10	0.10	0.39	0.39
10061-02-6	t-1,3-Dichloropropene	U	0.10	0.10	0.47	0.47
79-00-5	1,1,2-Trichloroethane	U	0.10	0.10	0.56	0.56
106-93-4	1,2-Dibromoethane	U	0.10	0.10	0.79	0.79
127-18-4	Tetrachloroethene	U	0.10	0.10	0.70	0.70
108-90-7	Chlorobenzene	U	0.10	0.10	0.48	0.48
100-41-4	Ethylbenzene	U	0.10	0.10	0.45	0.45
108-38-3	m,p-Xylenes	U	0.10	0.10	0.45	0.45
100-42-5	Styrene	U	0.10	0.10	0.44	0.44
95-47-6	o-Xylene	U	0.10	0.10	0.45	0.45
79-34-5	1,1,2,2-Tetrachloroethane	U	0.10	0.10	0.71	0.71
622-96-8	4-Ethyltoluene	U	0.10	0.10	0.51	0.51
108-67-8	1,3,5-Trimethylbenzene	U	0.10	0.10	0.51	0.51
95-63-6	1,2,4-Trimethylbenzene	U	0.10	0.10	0.51	0.51
541-73-1	1,3-Dichlorobenzene	U	0.10	0.10	0.62	0.62
100-44-7	Benzyl Chloride	U	0.10	0.10	0.54	0.54
106-46-7	1,4-Dichlorobenzene	U	0.10	0.10	0.62	0.62
95-50-1	1,2-Dichlorobenzene	U	0.10	0.10	0.62	0.62
120-82-1	1,2,4-Trichlorobenzene	U	0.10	0.10	0.76	0.76
87-68-3	Hexachlorobutadiene	U	0.10	0.10	1.10	1.10

	Surrogate Recovery	Spike Amt. ppbV	Amount ppbV	% Rec.	QC Limits	Flag * = Out
2037-26-5	Toluene-d8	10.00	8.82	88	70-130	

Notes: Reported results are to be interpreted to two significant figures.
*ug/m3 calculated assuming conditions at 60 F and 1 atm.

METHOD BLANK REPORT

SDG: LABQC

Analytical Method:	**TO-14**		Laboratory Number: B05010
File:	B05010A.D	Date Sampled:	Time Sampled:
Client:		Date Received:	
Description:	METHOD BLANK	Date Analyzed: 05/01/00	Time Analyzed: 12:09
Sam_Type:	MB	Dilution Factor: 2.00	Can#:
QC_Batch:	050100-MS2	Analyst: KK	

CAS#	Compound	Flag	MDL ppbv	Amount ppbv	MDL ug/m3*	Amount ug/m3*
75-71-8	Freon 12	U	0.10	0.10	0.51	0.51
74-87-3	Chloromethane	U	0.10	0.10	0.21	0.21
76-14-2	Freon 114	U	0.10	0.10	0.72	0.72
75-01-4	Vinyl chloride	U	0.10	0.10	0.26	0.26
74-83-9	Bromomethane	U	0.10	0.10	0.40	0.40
75-00-3	Chloroethane	U	0.10	0.10	0.27	0.27
75-69-4	Trichlorofluoromethane	U	0.10	0.10	0.58	0.58
75-35-4	1,1-Dichloroethene	U	0.10	0.10	0.41	0.41
76-13-1	Freon 113	U	0.10	0.10	0.79	0.79
75-09-2	Dichloromethane	U	0.10	0.10	0.36	0.36
75-34-3	1,1-Dichloroethane	U	0.10	0.10	0.42	0.42
156-59-2	c-1,2-Dichloroethene	U	0.10	0.10	0.41	0.41
67-66-3	Chloroform	U	0.10	0.10	0.50	0.50
71-55-6	1,1,1-Trichloroethane	U	0.10	0.10	0.56	0.56
107-06-2	1,2-Dichloroethane	U	0.10	0.10	0.42	0.42
71-43-2	Benzene	U	0.10	0.10	0.33	0.33
56-23-5	Carbon Tetrachloride	U	0.10	0.10	0.65	0.65
78-87-5	1,2-Dichloropropane	U	0.10	0.10	0.48	0.48
79-01-6	Trichloroethene	U	0.10	0.10	0.55	0.55
10061-01-5	c-1,3-Dichloropropene	U	0.10	0.10	0.47	0.47
108-88-3	Toluene	U	0.10	0.10	0.39	0.39
10061-02-6	t-1,3-Dichloropropene	U	0.10	0.10	0.47	0.47
79-00-5	1,1,2-Trichloroethane	U	0.10	0.10	0.56	0.56
106-93-4	1,2-Dibromoethane	U	0.10	0.10	0.79	0.79
127-18-4	Tetrachloroethene	U	0.10	0.10	0.70	0.70
108-90-7	Chlorobenzene	U	0.10	0.10	0.48	0.48
100-41-4	Ethylbenzene	U	0.10	0.10	0.45	0.45
108-38-3	m,p-Xylenes	U	0.10	0.10	0.45	0.45
100-42-5	Styrene	U	0.10	0.10	0.44	0.44
95-47-6	o-Xylene	U	0.10	0.10	0.45	0.45
79-34-5	1,1,2,2-Tetrachloroethane	U	0.10	0.10	0.71	0.71
622-96-8	4-Ethyltoluene	U	0.10	0.10	0.51	0.51
108-67-8	1,3,5-Trimethylbenzene	U	0.10	0.10	0.51	0.51
95-63-6	1,2,4-Trimethylbenzene	U	0.10	0.10	0.51	0.51
541-73-1	1,3-Dichlorobenzene	U	0.10	0.10	0.62	0.62
100-44-7	Benzyl Chloride	U	0.10	0.10	0.54	0.54
106-46-7	1,4-Dichlorobenzene	U	0.10	0.10	0.62	0.62
95-50-1	1,2-Dichlorobenzene	U	0.10	0.10	0.62	0.62
120-82-1	1,2,4-Trichlorobenzene	U	0.10	0.10	0.76	0.76
87-68-3	Hexachlorobutadiene	U	0.10	0.10	1.10	1.10

	Surrogate Recovery	Spike Amt. ppbV	Amount ppbV	% Rec.	QC Limits	Flag * = Out
2037-26-5	Toluene-d8	10.00	8.36	84	70-130	

Notes: Reported results are to be interpreted to two significant figures.
*ug/m3 calculated assuming conditions at 60 F and 1 atm.

METHOD BLANK REPORT

SDG: LABQC

Analytical Method:	TO-14		Laboratory Number: B05020
File:	B05020C.D	Date Sampled:	Time Sampled:
Client:		Date Received:	
Description:	METHOD BLANK	Date Analyzed: 05/02/00	Time Analyzed: 13:38
Sam_Type:	MB	Dilution Factor: 2.00	Can#:
QC_Batch:	050200-MS2	Analyst: KK	

CAS#	Compound	Flag	MDL ppbv	Amount ppbv	MDL ug/m3*	Amount ug/m3*
75-71-8	Freon 12	U	0.10	0.10	0.51	0.51
74-87-3	Chloromethane	U	0.10	0.10	0.21	0.21
76-14-2	Freon 114	U	0.10	0.10	0.72	0.72
75-01-4	Vinyl chloride	U	0.10	0.10	0.26	0.26
74-83-9	Bromomethane	U	0.10	0.10	0.40	0.40
75-00-3	Chloroethane	U	0.10	0.10	0.27	0.27
75-69-4	Trichlorofluoromethane	U	0.10	0.10	0.58	0.58
75-35-4	1,1-Dichloroethene	U	0.10	0.10	0.41	0.41
76-13-1	Freon 113	U	0.10	0.10	0.79	0.79
75-09-2	Dichloromethane	U	0.10	0.10	0.36	0.36
75-34-3	1,1-Dichloroethane	U	0.10	0.10	0.42	0.42
156-59-2	c-1,2-Dichloroethene	U	0.10	0.10	0.41	0.41
67-66-3	Chloroform	U	0.10	0.10	0.50	0.50
71-55-6	1,1,1-Trichloroethane	U	0.10	0.10	0.56	0.56
107-06-2	1,2-Dichloroethane	U	0.10	0.10	0.42	0.42
71-43-2	Benzene	U	0.10	0.10	0.33	0.33
56-23-5	Carbon Tetrachloride	U	0.10	0.10	0.65	0.65
78-87-5	1,2-Dichloropropane	U	0.10	0.10	0.48	0.48
79-01-6	Trichloroethene	U	0.10	0.10	0.55	0.55
10061-01-5	c-1,3-Dichloropropene	U	0.10	0.10	0.47	0.47
108-88-3	Toluene	U	0.10	0.10	0.39	0.39
10061-02-6	t-1,3-Dichloropropene	U	0.10	0.10	0.47	0.47
79-00-5	1,1,2-Trichloroethane	U	0.10	0.10	0.56	0.56
106-93-4	1,2-Dibromoethane	U	0.10	0.10	0.79	0.79
127-18-4	Tetrachloroethene		0.10	0.24	0.70	1.68
108-90-7	Chlorobenzene	U	0.10	0.10	0.48	0.48
100-41-4	Ethylbenzene	U	0.10	0.10	0.45	0.45
108-38-3	m,p-Xylenes	U	0.10	0.10	0.45	0.45
100-42-5	Styrene	U	0.10	0.10	0.44	0.44
95-47-6	o-Xylene	U	0.10	0.10	0.45	0.45
79-34-5	1,1,2,2-Tetrachloroethane	U	0.10	0.10	0.71	0.71
622-96-8	4-Ethyltoluene	U	0.10	0.10	0.51	0.51
108-67-8	1,3,5-Trimethylbenzene	U	0.10	0.10	0.51	0.51
95-63-6	1,2,4-Trimethylbenzene	U	0.10	0.10	0.51	0.51
541-73-1	1,3-Dichlorobenzene	U	0.10	0.10	0.62	0.62
100-44-7	Benzyl Chloride	U	0.10	0.10	0.54	0.54
106-46-7	1,4-Dichlorobenzene	U	0.10	0.10	0.62	0.62
95-50-1	1,2-Dichlorobenzene	U	0.10	0.10	0.62	0.62
120-82-1	1,2,4-Trichlorobenzene	U	0.10	0.10	0.76	0.76
87-68-3	Hexachlorobutadiene	U	0.10	0.10	1.10	1.10

	Surrogate Recovery	Spike Amt. ppbV	Amount ppbV	% Rec.	QC Limits	Flag * = Out
2037-26-5	Toluene-d8	10.00	8.96	90	70-130	

Notes: Reported results are to be interpreted to two significant figures.
*ug/m3 calculated assuming conditions at 60 F and 1 atm.

METHOD BLANK REPORT

SDG: LABQC

Analytical Method:	**TO-14**		Laboratory Number: B05030
File:	B05030D.D	Date Sampled:	Time Sampled:
Client:		Date Received:	
Description:	METHOD BLANK	Date Analyzed: 05/03/00	Time Analyzed: 15:55
Sam_Type:	MB	Dilution Factor: 2.00	Can#:
QC_Batch:	050300-MS2	Analyst: KK	

CAS#	Compound	Flag	MDL ppbv	Amount ppbv	MDL ug/m3*	Amount ug/m3*
75-71-8	Freon 12	U	0.10	0.10	0.51	0.51
74-87-3	Chloromethane	U	0.10	0.10	0.21	0.21
76-14-2	Freon 114	U	0.10	0.10	0.72	0.72
75-01-4	Vinyl chloride	U	0.10	0.10	0.26	0.26
74-83-9	Bromomethane	U	0.10	0.10	0.40	0.40
75-00-3	Chloroethane	U	0.10	0.10	0.27	0.27
75-69-4	Trichlorofluoromethane	U	0.10	0.10	0.58	0.58
75-35-4	1,1-Dichloroethene	U	0.10	0.10	0.41	0.41
76-13-1	Freon 113	U	0.10	0.10	0.79	0.79
75-09-2	Dichloromethane	U	0.10	0.10	0.36	0.36
75-34-3	1,1-Dichloroethane	U	0.10	0.10	0.42	0.42
156-59-2	c-1,2-Dichloroethene	U	0.10	0.10	0.41	0.41
67-66-3	Chloroform	U	0.10	0.10	0.50	0.50
71-55-6	1,1,1-Trichloroethane	U	0.10	0.10	0.56	0.56
107-06-2	1,2-Dichloroethane	U	0.10	0.10	0.42	0.42
71-43-2	Benzene	U	0.10	0.10	0.33	0.33
56-23-5	Carbon Tetrachloride	U	0.10	0.10	0.65	0.65
78-87-5	1,2-Dichloropropane	U	0.10	0.10	0.48	0.48
79-01-6	Trichloroethene	U	0.10	0.10	0.55	0.55
10061-01-5	c-1,3-Dichloropropene	U	0.10	0.10	0.47	0.47
108-88-3	Toluene	U	0.10	0.10	0.39	0.39
10061-02-6	t-1,3-Dichloropropene	U	0.10	0.10	0.47	0.47
79-00-5	1,1,2-Trichloroethane	U	0.10	0.10	0.56	0.56
106-93-4	1,2-Dibromoethane	U	0.10	0.10	0.79	0.79
127-18-4	Tetrachloroethene		0.10	0.36	0.70	2.54
108-90-7	Chlorobenzene	U	0.10	0.10	0.48	0.48
100-41-4	Ethylbenzene	U	0.10	0.10	0.45	0.45
108-38-3	m,p-Xylenes	U	0.10	0.10	0.45	0.45
100-42-5	Styrene	U	0.10	0.10	0.44	0.44
95-47-6	o-Xylene	U	0.10	0.10	0.45	0.45
79-34-5	1,1,2,2-Tetrachloroethane	U	0.10	0.10	0.71	0.71
622-96-8	4-Ethyltoluene	U	0.10	0.10	0.51	0.51
108-67-8	1,3,5-Trimethylbenzene	U	0.10	0.10	0.51	0.51
95-63-6	1,2,4-Trimethylbenzene	U	0.10	0.10	0.51	0.51
541-73-1	1,3-Dichlorobenzene	U	0.10	0.10	0.62	0.62
100-44-7	Benzyl Chloride	U	0.10	0.10	0.54	0.54
106-46-7	1,4-Dichlorobenzene	U	0.10	0.10	0.62	0.62
95-50-1	1,2-Dichlorobenzene	U	0.10	0.10	0.62	0.62
120-82-1	1,2,4-Trichlorobenzene	U	0.10	0.10	0.76	0.76
87-68-3	Hexachlorobutadiene	U	0.10	0.10	1.10	1.10

	Surrogate Recovery	Spike Amt. ppbV	Amount ppbV	% Rec.	QC Limits	Flag * = Out
2037-26-5	Toluene-d8	10.00	12.90	129	70-130	

Notes: Reported results are to be interpreted to two significant figures.
*ug/m3 calculated assuming conditions at 60 F and 1 atm.

METHOD BLANK REPORT

EPA TO-14 by GC/MS SIM

Laboratory Number: B05050

File: B05050A.D
Client:
Description: METHOD BLANK
Analyst: KK

Date Sampled:
Date Analyzed: 05/05/00
QC Batch: 050500-SM2

Compound	MDL ppbv	Amount ppbv	MDL ug/m3	Amount ug/m3*	Flag
vinyl chloride	0.004	ND	0.011	ND	

Notes: ND = Not detected at or above the listed minimum detection limit (MDL).
Reported results are to be interpreted to two significant figures.
*ug/m3 calculated assuming conditions at 60 F and 1 atm.

Form I-AAVC

METHOD BLANK REPORT

EPA TO-14 by GC/MS SIM

Laboratory Number: B05150

File: B05150B.D

Date Sampled:

Client:

Date Analyzed: 05/15/00

Description: METHOD BLANK

Analyst: KK

QC Batch: 051500-MS2

Compound	MDL ppbv	Amount ppbv	MDL ug/m3	Amount ug/m3*	Flag
Vinyl chloride	0.008	ND	0.020	ND	

Notes: ND = Not detected at or above the listed minimum detection limit (MDL).
Reported results are to be interpreted to two significant figures.
*ug/m3 calculated assuming conditions at 60 F and 1 atm.

Form I-AAVC

METHOD BLANK REPORT

EPA 18 GC/FID Hydrocarbon Speciation Laboratory No.: B05100

File : B05100B.D
Client:
Client ID: Method Blank
Can # :

Sampled:
Analyzed: 5/10/00
Analyst: AK

	ppmC	%		
TNMHC*	0.0006		TNMHC as hexane ppmV	0.000
Sum Id	0.0006	100.00	TNMHC as hexane mg/m3	0.000
Sum Unid				
Parafins				
Olefins	0.0006	100.00		
Aromatics				
Total Non-Methane Hydrocarbon				

Compound	MDL ppmV	Amount ppmV	MDL mg/m3	Amount mg/m3	Wt. %
Methyl-t-Butyl Ether	0.00010	ND	0.00037	ND	
Ethene	0.00025	ND	0.00030	ND	
Acetylene	0.00025	ND	0.00027	ND	
Ethane	0.00025	ND	0.00032	ND	
Propene	0.00017	ND	0.00030	ND	
Propane	0.00017	0.00021	0.00031	0.00040	100.00
-Butane	0.00013	ND	0.00031	ND	
soButene	0.00013	ND	0.00030	ND	
-Butene	0.00013	ND	0.00030	ND	
-Butane	0.00013	ND	0.00031	ND	
-2-Butene	0.00013	ND	0.00030	ND	
-2-Butene	0.00013	ND	0.00030	ND	
-Methyl-1-butene	0.00010	ND	0.00030	ND	
-Pentane	0.00010	ND	0.00030	ND	
-Pentene	0.00010	ND	0.00030	ND	
-Pentane	0.00010	ND	0.00030	ND	
-2-Pentene	0.00010	ND	0.00030	ND	
-2-Pentene	0.00010	ND	0.00030	ND	
-Methyl-2-butene	0.00010	ND	0.00030	ND	
,2-Dimethylbutane	0.00008	ND	0.00030	ND	
Cyclopentene	0.00010	ND	0.00029	ND	
Cyclopentane	0.00010	ND	0.00030	ND	
,3-Dimethylbutane	0.00008	ND	0.00030	ND	
-Methylpentane	0.00008	ND	0.00030	ND	
-Methylpentane	0.00008	ND	0.00030	ND	
-Hexane	0.00008	ND	0.00030	ND	
-2-Hexene	0.00008	ND	0.00030	ND	
-Methyl-2-pentene	0.00008	ND	0.00030	ND	

Lab number: B05100

Compound	MDL ppmV	Amount ppmV	MDL mg/m3	Amount mg/m3	Wt. %
c-2-Hexene	0.00008	ND	0.00030	ND	
Methylcyclopentane	0.00008	ND	0.00030	ND	
2,4-Dimethylpentane	0.00007	ND	0.00030	ND	
Benzene	0.00008	ND	0.00027	ND	
Cyclohexane	0.00008	ND	0.00030	ND	
2-Methylhexane	0.00007	ND	0.00030	ND	
2,3-Dimethylpentane	0.00007	ND	0.00030	ND	
3-Methylhexane	0.00007	ND	0.00030	ND	
2,2,4-Trimethylpentane	0.00006	ND	0.00030	ND	
n-Heptane	0.00007	ND	0.00030	ND	
Methylcyclohexane	0.00007	ND	0.00030	ND	
2,3,4-Trimethylpentane	0.00006	ND	0.00030	ND	
Toluene	0.00007	ND	0.00028	ND	
2-Methylheptane	0.00006	ND	0.00030	ND	
3-Methylheptane	0.00006	ND	0.00030	ND	
n-Octane	0.00006	ND	0.00030	ND	
Ethylbenzene	0.00006	ND	0.00028	ND	
m&p-xylene	0.00006	ND	0.00028	ND	
Styrene	0.00006	ND	0.00027	ND	
o-Xylene	0.00006	ND	0.00028	ND	
n-Nonane	0.00006	ND	0.00030	ND	
i-Propylbenzene	0.00006	ND	0.00028	ND	
n-Propylbenzene	0.00006	ND	0.00028	ND	
p-Ethyltoluene	0.00006	ND	0.00028	ND	
1,3,5-Trimethylbenzene	0.00006	ND	0.00028	ND	
1,2,4-Trimethylbenzene	0.00006	ND	0.00028	ND	
n-Decane	0.00005	ND	0.00030	ND	
1,2,3-Trimethylbenzene	0.00006	ND	0.00028	ND	
Undecane	0.00005	ND	0.00030	ND	

Notes: ND = Not detected at or above the listed minimum detection limit (MDL).
Reported results are to be interpreted to two significant figures.
*mg/m3 calculated assuming conditions at 60 F and 1 atm.

FORM I-AAVC

METHOD BLANK REPORT

EPA TO-14 GC/FID Hydrocarbon Speciation C2-C6

Laboratory No.: B05110

File : B05110A.D
Client:
Client ID: Method Blank
Can # :

Sampled:
Analyzed: 5/11/00
Analyst: AK

	ppbC	%
TNMHC*	2.71	
Sum Id	1.96	72.31
Sum Unid	0.75	27.69

*Total Non-Methane Hydrocarbon

TNMHC as hexane ppbV	0.5
TNMHC as hexane ug/m3	1.6
C6+ NMHC ppbC	0.8
C6+ NMHC as Hexane ppbV	0.13
C6+ NMHC as Hexane ug/m3	0.5

Compound	MDL ppbV	Amount ppbV	Amount ug/m3
Ethene	0.25	ND	ND
Acetylene	0.25	ND	ND
Ethane	0.25	ND	ND
Propene	0.17	ND	ND
Propane	0.17	ND	ND
i-Butane	0.13	ND	ND
IsoButene	0.13	ND	ND
1-Butene	0.13	ND	ND
n-Butane	0.13	ND	ND
t-2-Butene	0.13	ND	ND
c-2-Butene	0.13	ND	ND
3-Methyl-1-butene	0.10	ND	ND
i-Pentane	0.10	ND	ND
1-Pentene	0.10	ND	ND
n-Pentane	0.10	ND	ND
t-2-Pentene	0.10	ND	ND
c-2-Pentene	0.10	ND	ND
2-Methyl-2-butene	0.10	ND	ND
2,2-Dimethylbutane	0.08	ND	ND
Cyclopentene	0.10	ND	ND
Cyclopentane	0.10	ND	ND
2,3-Dimethylbutane	0.08	ND	ND
2-Methylpentane	0.08	ND	ND
3-Methylpentane	0.08	ND	ND
n-Hexane	0.08	0.19	0.67
t-2-Hexene	0.08	ND	ND
2-Methyl-2-pentene	0.08	ND	ND

Lab number: B05110

Compound	MDL ppbV	Amount ppbV	Amount ug/m3
c-2-Hexene	0.08	0.14	0.50
Methylcyclopentane	0.08	ND	ND
2,4-Dimethylpentane	0.07	ND	ND
Benzene	0.08	ND	ND
Cyclohexane	0.08	ND	ND

Notes: ND = Not detected at or above the listed minimum detection limit (MDL).
Reported results are to be interpreted to two significant figures.
*ug/m3 calculated assuming conditions at 60 F and 1 atm.

FORM I-AAVC

LABORATORY CONTROL AND DUPLICATE CONTROL SPIKE REPORT

SDG: LABQC

Analytical Method: **TO-14** Laboratory Number: QA04280

Spike: QC04280 Spike Dup. QC04280DUP
Client:
Client ID: Date Analyzed: 04/28/00
Sam_Type: LCS LCD Dilution Factor: 1.0
QC Batch: 042800-MS2 Method: Full Scan GC/MS

Compound	Theoretical Conc. ppbv	Spike ppbv	Spike Dup. ppbv	% Rec. Spike	% Rec. Spike Dup.	%RPD	% Rec. Limits
1,1-dichloroethene	0.69	0.86	0.89	124	130	4	70-140
benzene	0.80	0.95	0.93	119	116	2	70-130
trichloroethene	0.41	0.50	0.45	120	110	9	70-130
toluene	0.76	0.63	0.63	83	83	0	70-130
chlorobenzene	0.67	0.64	0.58	96	87	9	70-130

* %RPD QC Limits are </= 30%.

ENVIRONMENTAL
Analytical Service, Inc.

LABORATORY CONTROL AND DUPLICATE CONTROL SPIKE REPORT

SDG: LABQC

Analytical Method: **TO-14** Laboratory Number: QA05010

Spike: QC05010 Spike Dup. QC05010DUP
Client:
Client ID: Date Analyzed: 05/01/00
Sam_Type: LCS LCD Dilution Factor: 1.0
QC Batch: 050100-MS2 Method: Full Scan GC/MS

Compound	Theoretical Conc. ppbv	Spike ppbv	Spike Dup. ppbv	% Rec. Spike	% Rec. Spike Dup.	%RPD	% Rec. Limits
1,1-dichloroethene	0.69	0.93	0.90	135	130	4	70-140
benzene	0.80	0.92	0.91	115	113	1	70-130
trichloroethene	0.41	0.47	0.46	113	111	2	70-130
toluene	0.76	0.57	0.58	75	76	2	70-130
chlorobenzene	0.67	0.60	0.62	90	93	4	70-130

* %RPD QC Limits are </= 30%.

LABORATORY CONTROL AND DUPLICATE CONTROL SPIKE REPORT

SDG: LABQC

Analytical Method: TO-14 Laboratory Number: QA05020

Spike: QC05020 Spike Dup. QC05020DUP
Client:
Client ID: Date Analyzed: 05/02/00
Sam_Type: LCS LCD Dilution Factor: 1.0
QC Batch: 050200-MS2 Method: Full Scan GC/MS

Compound	Theoretical Conc. ppbv	Spike ppbv	Spike Dup. ppbv	% Rec. Spike	% Rec. Spike Dup.	%RPD	% Rec. Limits
1,1-dichloroethene	0.69	0.96	0.91	139	132	5	70-140
benzene	0.80	0.95	0.91	119	113	5	70-130
trichloroethene	0.41	0.52	0.45	125	109	13	70-130
toluene	0.76	0.63	0.58	83	76	8	70-130
chlorobenzene	0.67	0.69	0.63	103	95	8	70-130

* %RPD QC Limits are </= 30%.

ENVIRONMENTAL
Analytical Service, Inc.

LABORATORY CONTROL AND DUPLICATE CONTROL SPIKE REPORT

SDG: LABQC

Analytical Method: TO-14 Laboratory Number: QA05030

Spike: QC05030 Spike Dup. QC05030DUP
Client:
Client ID: Date Analyzed: 05/03/00
Sam_Type: LCS LCD Dilution Factor: 1.0
QC Batch: 050300-MS2 Method: Full Scan GC/MS

Compound	Theoretical Conc. ppbv	Spike ppbv	Spike Dup. ppbv	% Rec. Spike	% Rec. Spike Dup.	%RPD	% Rec. Limits
1,1-dichloroethene	0.69	0.62	0.71	90	103	14	70-140
benzene	0.80	0.88	0.87	110	109	1	70-130
trichloroethene	0.41	0.44	0.42	107	101	6	70-130
toluene	0.76	0.57	0.54	75	71	6	70-130
chlorobenzene	0.67	0.51	0.45	77	68	12	70-130

* %RPD QC Limits are </= 30%.

LABORATORY CONTROL SPIKE/DUPLICATE REPORT SHEET

Spike: QC05050
Spike Dup.: QC05050DUP
QC Batch: 050500-SM2 Method: EPA Method TO-14, SIM GC/MS

Compound	Theoretical Conc. ppbv	Spike ppbv	Spike Dup ppbv	% Recov. Spike	%Recov. Spike Dup.	%RPD	% Rec. Limits
vinyl chloride	0.080	0.084	0.084	104	105	1	70-130%

LABORATORY CONTROL AND DUPLICATE CONTROL SPIKE REPORT

Spike: QC05150
Spike Dup.: QC05150DUP
QC Batch: 051500-MS2 Method: EPA Method TO-14 GC/MS SIM

Compound	Theoretical Conc.ppbv	Spike ppbv	Spike Dup ppbv	% Recov. Spike	%Recov. Spike Dup.	%RPD	% Rec. Limits
Vinyl chloride	0.275	0.250	0.256	91	93	2	70-130%

LABORATORY CONTROL SPIKE/DUPLICATE CONTROL SPIKE REPORT

Spike: QC05100
Spike Dup.: QC05100DUP
QC Lot: 051000-GC1 Method: GC/FID

Compound	Theoretical Conc.ppmv	Spike ppmv	Spike Dup ppmv	% Recov. Spike	%Recov. Spike Dup.	%RPD	% Rec. Limits
Ethane	15.10	17.37	17.58	115	116	1	50-150%
Propane	14.80	16.68	17.62	113	119	5	50-150%
n-Butane	14.90	16.41	17.04	110	114	4	50-150%
n-Pentane	15.00	16.53	16.53	110	110	0	50-150%
n-Hexane	14.90	15.64	15.66	105	105	0	50-150%

ENVIRONMENTAL
Analytical Service, Inc.

LABORATORY CONTROL SPIKE/DUPLICATE CONTROL SPIKE REPORT

Spike: QC05110
Spike Dup.: QC05110DUP
QC Lot: 051100-GC1 Method: GC/FID

Compound	Theoretical Conc.ppmv	Spike ppmv	Spike Dup ppmv	% Recov. Spike	%Recov. Spike Dup.	%RPD	% Rec. Limits
Ethane	15.10	19.09	17.56	126	116	8	50-150%
Propane	14.80	19.05	17.55	129	119	8	50-150%
n-Butane	14.90	18.46	16.84	124	113	9	50-150%
n-Pentane	15.00	17.96	15.60	120	104	14	50-150%
n-Hexane	14.90	17.00	14.25	114	96	18	50-150%

V. ANALYTICAL RESULTS

SDG Number: 200171
Client: OnSite Environmental Labs, Inc.

The following pages contain the certified reports for the analytical methods and the compounds requested. The reports are in order of analytical method then EAS ID number. A brief description of the units that appear on the reports is given below:

ppbV, ppmV, Percent

Parts per billion by volume (also known as mole ratio) and other related units. This is the primary reporting unit for all volatile organic compound analysis except the hydrocarbon speciation and total hydrocarbons. This unit is independent of temperature and pressure.

$$ppbV = \frac{\text{nanomoles of compound}}{\text{moles of air}}$$

ug/m3, mg/m3

Micrograms of compound per cubic meter of air and other related units. This is the primary reporting unit for semi volatile organic compounds. It is not a primary reporting unit for volatile organic compounds because it is temperature and pressure dependent, so the result will vary depending on the conditions when the sample was collected. EAS provides the units on its analytical reports as a convenience to the client, but they should be used with caution. The following equation can be used to convert from ppbV to ug/m3.

$$ug/m3 = \frac{ppbV \times MW\ compound}{23.68}$$

23.68 is the molar volume of a gas at 60 F and 1 atm pressure

ppbC, ppmC

Parts per billion by volume as carbon (methane) and other related units. This unit is the primary reporting unit for hydrocarbon analysis, even if it does not appear on the report. This unit is used because the flame ionization detector response is proportional to the number of carbons in the compound, so an accurate concentration can be reported even if the identification of the compound is not known.

$$ppbC = ppbV \times \text{number of carbons in compound}$$

ANALYTICAL REPORT

SDG: 200171

Analytical Method:	**TO-14**		Laboratory Number: 01
File:	0017101A.D	Date Sampled: 04/17/00	Time Sampled:
Client:	OnSite Environmental Labs, Inc.	Date Received: 04/19/00	
Description:	VP10A-0.25 CAN#377 1.0ML	Date Analyzed: 04/28/00	Time Analyzed: 14:38
Sam_Type:	SA	Dilution Factor: 1600.00	Can#: 377
QC_Batch:	042800-MS2	Analyst: KK	

CAS#	Compound	Flag	MDL ppbv	Amount ppbv	MDL ug/m3*	Amount ug/m3*
75-71-8	Freon 12	U	80.00	80.00	408.78	408.78
74-87-3	Chloromethane	U	80.00	80.00	170.61	170.61
76-14-2	Freon 114	U	80.00	80.00	577.70	577.70
75-01-4	Vinyl chloride	U	80.00	80.00	211.15	211.15
74-83-9	Bromomethane	U	80.00	80.00	320.61	320.61
75-00-3	Chloroethane	U	80.00	80.00	217.91	217.91
75-69-4	Trichlorofluoromethane	U	80.00	80.00	462.84	462.84
75-35-4	1,1-Dichloroethene	U	80.00	80.00	327.36	327.36
76-13-1	Freon 113	U	80.00	80.00	631.76	631.76
75-09-2	Dichloromethane	U	80.00	80.00	286.82	286.82
75-34-3	1,1-Dichloroethane	U	80.00	80.00	334.46	334.46
156-59-2	c-1,2-Dichloroethene		80.00	2622.89	327.36	10733.02
67-66-3	Chloroform	U	80.00	80.00	402.03	402.03
71-55-6	1,1,1-Trichloroethane	U	80.00	80.00	449.32	449.32
107-06-2	1,2-Dichloroethane	U	80.00	80.00	334.46	334.46
71-43-2	Benzene	U	80.00	80.00	263.85	263.85
56-23-5	Carbon Tetrachloride	U	80.00	80.00	520.27	520.27
78-87-5	1,2-Dichloropropane	U	80.00	80.00	381.76	381.76
79-01-6	Trichloroethene		80.00	473.74	442.57	2620.80
10061-01-5	c-1,3-Dichloropropene	U	80.00	80.00	375.00	375.00
108-88-3	Toluene	U	80.00	80.00	311.15	311.15
10061-02-6	t-1,3-Dichloropropene	U	80.00	80.00	375.00	375.00
79-00-5	1,1,2-Trichloroethane	U	80.00	80.00	449.32	449.32
106-93-4	1,2-Dibromoethane	U	80.00	80.00	635.14	635.14
127-18-4	Tetrachloroethene		80.00	8546.89	560.81	59914.83
108-90-7	Chlorobenzene	U	80.00	80.00	381.76	381.76
100-41-4	Ethylbenzene	U	80.00	80.00	358.11	358.11
108-38-3	m,p-Xylenes	U	80.00	80.00	358.11	358.11
100-42-5	Styrene	U	80.00	80.00	351.35	351.35
95-47-6	o-Xylene	U	80.00	80.00	358.11	358.11
79-34-5	1,1,2,2-Tetrachloroethane	U	80.00	80.00	567.57	567.57
622-96-8	4-Ethyltoluene	U	80.00	80.00	405.41	405.41
108-67-8	1,3,5-Trimethylbenzene	U	80.00	80.00	405.41	405.41
95-63-6	1,2,4-Trimethylbenzene	U	80.00	80.00	405.41	405.41
541-73-1	1,3-Dichlorobenzene	U	80.00	80.00	496.62	496.62
100-44-7	Benzyl Chloride	U	80.00	80.00	429.05	429.05
106-46-7	1,4-Dichlorobenzene	U	80.00	80.00	496.62	496.62
95-50-1	1,2-Dichlorobenzene	U	80.00	80.00	496.62	496.62
120-82-1	1,2,4-Trichlorobenzene	U	80.00	80.00	611.49	611.49
87-68-3	Hexachlorobutadiene	U	80.00	80.00	881.76	881.76

	Surrogate Recovery	Spike Amt. ppbV	Amount ppbV	% Rec.	QC Limits	Flag * = Out
2037-26-5	Toluene-d8	10.00	8.87	89	70-130	

Notes: Reported results are to be interpreted to two significant figures.
*ug/m3 calculated assuming conditions at 60 F and 1 atm.

ANALYTICAL REPORT

SDG: 200171

Analytical Method:	**TO-14**		Laboratory Number: 02
File:	0017102A.D	Date Sampled: 04/17/00	Time Sampled:
Client:	OnSite Environmental Labs, Inc.	Date Received: 04/19/00	
Description:	VP10A-2 CAN#323 0.1ML	Date Analyzed: 05/02/00	Time Analyzed: 14:32
Sam_Type:	SA	Dilution Factor: 16400.00	Can#: 323
QC_Batch:	050200-MS2	Analyst: KK	

CAS#	Compound	Flag	MDL ppbv	Amount ppbv	MDL ug/m3*	Amount ug/m3*
75-71-8	Freon 12	U	820.00	820.00	4190.03	4190.03
74-87-3	Chloromethane	U	820.00	820.00	1748.73	1748.73
76-14-2	Freon 114	U	820.00	820.00	5921.45	5921.45
75-01-4	Vinyl chloride	U	820.00	820.00	2164.27	2164.27
74-83-9	Bromomethane	U	820.00	820.00	3286.23	3286.23
75-00-3	Chloroethane	U	820.00	820.00	2233.53	2233.53
75-69-4	Trichlorofluoromethane	U	820.00	820.00	4744.09	4744.09
75-35-4	1,1-Dichloroethene	U	820.00	820.00	3355.49	3355.49
76-13-1	Freon 113	U	820.00	820.00	6475.51	6475.51
75-09-2	Dichloromethane	U	820.00	820.00	2939.95	2939.95
75-34-3	1,1-Dichloroethane	U	820.00	820.00	3428.21	3428.21
156-59-2	c-1,2-Dichloroethene		820.00	31877.78	3355.49	130445.81
67-66-3	Chloroform	U	820.00	820.00	4120.78	4120.78
71-55-6	1,1,1-Trichloroethane	U	820.00	820.00	4605.57	4605.57
107-06-2	1,2-Dichloroethane	U	820.00	820.00	3428.21	3428.21
71-43-2	Benzene	U	820.00	820.00	2704.48	2704.48
56-23-5	Carbon Tetrachloride	U	820.00	820.00	5332.77	5332.77
78-87-5	1,2-Dichloropropane	U	820.00	820.00	3913.01	3913.01
79-01-6	Trichloroethene		820.00	4690.67	4536.32	25949.22
10061-01-5	c-1,3-Dichloropropene	U	820.00	820.00	3843.75	3843.75
108-88-3	Toluene	U	820.00	820.00	3189.27	3189.27
10061-02-6	t-1,3-Dichloropropene	U	820.00	820.00	3843.75	3843.75
79-00-5	1,1,2-Trichloroethane	U	820.00	820.00	4605.57	4605.57
106-93-4	1,2-Dibromoethane	U	820.00	820.00	6510.14	6510.14
127-18-4	Tetrachloroethene	B	820.00	118791.98	5748.31	832747.84
108-90-7	Chlorobenzene	U	820.00	820.00	3913.01	3913.01
100-41-4	Ethylbenzene	U	820.00	820.00	3670.61	3670.61
108-38-3	m,p-Xylenes	U	820.00	820.00	3670.61	3670.61
100-42-5	Styrene	U	820.00	820.00	3601.35	3601.35
95-47-6	o-Xylene	U	820.00	820.00	3670.61	3670.61
79-34-5	1,1,2,2-Tetrachloroethane	U	820.00	820.00	5817.57	5817.57
622-96-8	4-Ethyltoluene	U	820.00	820.00	4155.41	4155.41
108-67-8	1,3,5-Trimethylbenzene	U	820.00	820.00	4155.41	4155.41
95-63-6	1,2,4-Trimethylbenzene	U	820.00	820.00	4155.41	4155.41
541-73-1	1,3-Dichlorobenzene	U	820.00	820.00	5090.37	5090.37
100-44-7	Benzyl Chloride	U	820.00	820.00	4397.80	4397.80
106-46-7	1,4-Dichlorobenzene	U	820.00	820.00	5090.37	5090.37
95-50-1	1,2-Dichlorobenzene	U	820.00	820.00	5090.37	5090.37
120-82-1	1,2,4-Trichlorobenzene	U	820.00	820.00	6267.74	6267.74
87-68-3	Hexachlorobutadiene	U	820.00	820.00	9038.01	9038.01

	Surrogate Recovery	Spike Amt. ppbV	Amount ppbV	% Rec.	QC Limits	Flag * = Out
2037-26-5	Toluene-d8	10.00	9.18	92	70-130	

Notes: Reported results are to be interpreted to two significant figures.
*ug/m3 calculated assuming conditions at 60 F and 1 atm.

ANALYTICAL REPORT

SDG: 200171

Analytical Method:	**TO-14**		Laboratory Number: 03
File:	0017103A.D	Date Sampled: 04/17/00	Time Sampled:
Client:	OnSite Environmental Labs, Inc.	Date Received: 04/19/00	
Description:	VP10A-4.5 CAN#309 0.025ML	Date Analyzed: 04/28/00	Time Analyzed: 19:40
Sam_Type:	SA	Dilution Factor: 63600.00	Can#: 309
QC_Batch:	042800-MS2	Analyst: KK	

CAS#	Compound	Flag	MDL ppbv	Amount ppbv	MDL ug/m3*	Amount ug/m3*
75-71-8	Freon 12	U	3180.00	3180.00	16249.16	16249.16
74-87-3	Chloromethane	U	3180.00	3180.00	6781.67	6781.67
76-14-2	Freon 114	U	3180.00	3180.00	22963.68	22963.68
75-01-4	Vinyl chloride	U	3180.00	3180.00	8393.16	8393.16
74-83-9	Bromomethane	U	3180.00	3180.00	12744.17	12744.17
75-00-3	Chloroethane	U	3180.00	3180.00	8661.74	8661.74
75-69-4	Trichlorofluoromethane	U	3180.00	3180.00	18397.80	18397.80
75-35-4	1,1-Dichloroethene	U	3180.00	3180.00	13012.75	13012.75
76-13-1	Freon 113	U	3180.00	3180.00	25112.33	25112.33
75-09-2	Dichloromethane	U	3180.00	3180.00	11401.27	11401.27
75-34-3	1,1-Dichloroethane	U	3180.00	3180.00	13294.76	13294.76
156-59-2	c-1,2-Dichloroethene		3180.00	33522.39	13012.75	137175.65
67-66-3	Chloroform	U	3180.00	3180.00	15980.57	15980.57
71-55-6	1,1,1-Trichloroethane	U	3180.00	3180.00	17860.64	17860.64
107-06-2	1,2-Dichloroethane	U	3180.00	3180.00	13294.76	13294.76
71-43-2	Benzene	U	3180.00	3180.00	10488.09	10488.09
56-23-5	Carbon Tetrachloride	U	3180.00	3180.00	20680.74	20680.74
78-87-5	1,2-Dichloropropane	U	3180.00	3180.00	15174.83	15174.83
79-01-6	Trichloroethene		3180.00	24066.50	17592.06	133138.18
10061-01-5	c-1,3-Dichloropropene	U	3180.00	3180.00	14906.25	14906.25
108-88-3	Toluene	U	3180.00	3180.00	12368.16	12368.16
10061-02-6	t-1,3-Dichloropropene	U	3180.00	3180.00	14906.25	14906.25
79-00-5	1,1,2-Trichloroethane	U	3180.00	3180.00	17860.64	17860.64
106-93-4	1,2-Dibromoethane	U	3180.00	3180.00	25246.62	25246.62
127-18-4	Tetrachloroethene		3180.00	807546.33	22292.23	5661008.93
108-90-7	Chlorobenzene	U	3180.00	3180.00	15174.83	15174.83
100-41-4	Ethylbenzene	U	3180.00	3180.00	14234.80	14234.80
108-38-3	m,p-Xylenes	U	3180.00	3180.00	14234.80	14234.80
100-42-5	Styrene	U	3180.00	3180.00	13966.22	13966.22
95-47-6	o-Xylene	U	3180.00	3180.00	14234.80	14234.80
79-34-5	1,1,2,2-Tetrachloroethane	U	3180.00	3180.00	22560.81	22560.81
622-96-8	4-Ethyltoluene	U	3180.00	3180.00	16114.86	16114.86
108-67-8	1,3,5-Trimethylbenzene	U	3180.00	3180.00	16114.86	16114.86
95-63-6	1,2,4-Trimethylbenzene	U	3180.00	3180.00	16114.86	16114.86
541-73-1	1,3-Dichlorobenzene	U	3180.00	3180.00	19740.71	19740.71
100-44-7	Benzyl Chloride	U	3180.00	3180.00	17054.90	17054.90
106-46-7	1,4-Dichlorobenzene	U	3180.00	3180.00	19740.71	19740.71
95-50-1	1,2-Dichlorobenzene	U	3180.00	3180.00	19740.71	19740.71
120-82-1	1,2,4-Trichlorobenzene	U	3180.00	3180.00	24306.59	24306.59
87-68-3	Hexachlorobutadiene	U	3180.00	3180.00	35049.83	35049.83

	Surrogate Recovery	Spike Amt. ppbV	Amount ppbV	% Rec.	QC Limits	Flag * = Out
2037-26-5	Toluene-d8	10.00	9.53	95	70-130	

Notes: Reported results are to be interpreted to two significant figures.
*ug/m3 calculated assuming conditions at 60 F and 1 atm.

ANALYTICAL REPORT

SDG: 200171

Analytical Method:	**TO-14**		Laboratory Number: 04
File:	0017104A.D	Date Sampled: 04/17/00	Time Sampled:
Client:	OnSite Environmental Labs, Inc.	Date Received: 04/19/00	
Description:	VP10A-6.5 CAN#357 1.0ML	Date Analyzed: 04/28/00	Time Analyzed: 13:39
Sam_Type:	SA	Dilution Factor: 1580.00	Can#: 357
QC_Batch:	042800-MS2	Analyst: KK	

CAS#	Compound	Flag	MDL ppbv	Amount ppbv	MDL ug/m3*	Amount ug/m3*
75-71-8	Freon 12	U	79.00	79.00	403.67	403.67
74-87-3	Chloromethane	U	79.00	79.00	168.48	168.48
76-14-2	Freon 114	U	79.00	79.00	570.48	570.48
75-01-4	Vinyl chloride	U	79.00	79.00	208.51	208.51
74-83-9	Bromomethane	U	79.00	79.00	316.60	316.60
75-00-3	Chloroethane	U	79.00	79.00	215.18	215.18
75-69-4	Trichlorofluoromethane	U	79.00	79.00	457.05	457.05
75-35-4	1,1-Dichloroethene	U	79.00	79.00	323.27	323.27
76-13-1	Freon 113	U	79.00	79.00	623.86	623.86
75-09-2	Dichloromethane	U	79.00	79.00	283.24	283.24
75-34-3	1,1-Dichloroethane	U	79.00	79.00	330.28	330.28
156-59-2	c-1,2-Dichloroethene		79.00	4644.53	323.27	19005.71
67-66-3	Chloroform	U	79.00	79.00	397.00	397.00
71-55-6	1,1,1-Trichloroethane	U	79.00	79.00	443.71	443.71
107-06-2	1,2-Dichloroethane	U	79.00	79.00	330.28	330.28
71-43-2	Benzene	U	79.00	79.00	260.55	260.55
56-23-5	Carbon Tetrachloride	U	79.00	79.00	513.77	513.77
78-87-5	1,2-Dichloropropane	U	79.00	79.00	376.98	376.98
79-01-6	Trichloroethene		79.00	250.33	437.04	1384.84
10061-01-5	c-1,3-Dichloropropene	U	79.00	79.00	370.31	370.31
108-88-3	Toluene	U	79.00	79.00	307.26	307.26
10061-02-6	t-1,3-Dichloropropene	U	79.00	79.00	370.31	370.31
79-00-5	1,1,2-Trichloroethane	U	79.00	79.00	443.71	443.71
106-93-4	1,2-Dibromoethane	U	79.00	79.00	627.20	627.20
127-18-4	Tetrachloroethene		79.00	4730.07	553.80	33158.40
108-90-7	Chlorobenzene	U	79.00	79.00	376.98	376.98
100-41-4	Ethylbenzene	U	79.00	79.00	353.63	353.63
108-38-3	m,p-Xylenes	U	79.00	79.00	353.63	353.63
100-42-5	Styrene	U	79.00	79.00	346.96	346.96
95-47-6	o-Xylene	U	79.00	79.00	353.63	353.63
79-34-5	1,1,2,2-Tetrachloroethane	U	79.00	79.00	560.47	560.47
622-96-8	4-Ethyltoluene	U	79.00	79.00	400.34	400.34
108-67-8	1,3,5-Trimethylbenzene	U	79.00	79.00	400.34	400.34
95-63-6	1,2,4-Trimethylbenzene	U	79.00	79.00	400.34	400.34
541-73-1	1,3-Dichlorobenzene	U	79.00	79.00	490.41	490.41
100-44-7	Benzyl Chloride	U	79.00	79.00	423.69	423.69
106-46-7	1,4-Dichlorobenzene	U	79.00	79.00	490.41	490.41
95-50-1	1,2-Dichlorobenzene	U	79.00	79.00	490.41	490.41
120-82-1	1,2,4-Trichlorobenzene	U	79.00	79.00	603.84	603.84
87-68-3	Hexachlorobutadiene	U	79.00	79.00	870.73	870.73

	Surrogate Recovery	Spike Amt. ppbV	Amount ppbV	% Rec.	QC Limits	Flag * = Out
2037-26-5	Toluene-d8	10.00	9.46	95	70-130	

Notes: Reported results are to be interpreted to two significant figures.
*ug/m3 calculated assuming conditions at 60 F and 1 atm.

ANALYTICAL REPORT

SDG: 200171

Analytical Method:	**TO-14**		Laboratory Number: 05
File:	0017105A.D	Date Sampled: 04/17/00	Time Sampled:
Client:	OnSite Enviromental Labs, Inc.	Date Received: 04/19/00	
Description:	VP11-0.25 CAN#362 10ML	Date Analyzed: 04/28/00	Time Analyzed: 12:49
Sam_Type:	SA	Dilution Factor: 158.00	Can#: 362
QC_Batch:	042800-MS2	Analyst: KK	

CAS#	Compound	Flag	MDL ppbv	Amount ppbv	MDL ug/m3*	Amount ug/m3*
75-71-8	Freon 12	U	7.90	7.90	40.37	40.37
74-87-3	Chloromethane	U	7.90	7.90	16.85	16.85
76-14-2	Freon 114	U	7.90	7.90	57.05	57.05
75-01-4	Vinyl chloride	U	7.90	7.90	20.85	20.85
74-83-9	Bromomethane	U	7.90	7.90	31.66	31.66
75-00-3	Chloroethane	U	7.90	7.90	21.52	21.52
75-69-4	Trichlorofluoromethane	U	7.90	7.90	45.71	45.71
75-35-4	1,1-Dichloroethene	U	7.90	7.90	32.33	32.33
76-13-1	Freon 113	U	7.90	7.90	62.39	62.39
75-09-2	Dichloromethane	U	7.90	7.90	28.32	28.32
75-34-3	1,1-Dichloroethane	U	7.90	7.90	33.03	33.03
156-59-2	c-1,2-Dichloroethene		7.90	120.28	32.33	492.20
67-66-3	Chloroform	U	7.90	7.90	39.70	39.70
71-55-6	1,1,1-Trichloroethane		7.90	28.61	44.37	160.68
107-06-2	1,2-Dichloroethane	U	7.90	7.90	33.03	33.03
71-43-2	Benzene		7.90	10.95	26.06	36.13
56-23-5	Carbon Tetrachloride	U	7.90	7.90	51.38	51.38
78-87-5	1,2-Dichloropropane	U	7.90	7.90	37.70	37.70
79-01-6	Trichloroethene		7.90	57.30	43.70	317.00
10061-01-5	c-1,3-Dichloropropene	U	7.90	7.90	37.03	37.03
108-88-3	Toluene		7.90	18.40	30.73	71.56
10061-02-6	t-1,3-Dichloropropene	U	7.90	7.90	37.03	37.03
79-00-5	1,1,2-Trichloroethane	U	7.90	7.90	44.37	44.37
106-93-4	1,2-Dibromoethane	U	7.90	7.90	62.72	62.72
127-18-4	Tetrachloroethene		7.90	394.02	55.38	2762.15
108-90-7	Chlorobenzene	U	7.90	7.90	37.70	37.70
100-41-4	Ethylbenzene	U	7.90	7.90	35.36	35.36
108-38-3	m,p-Xylenes	U	7.90	7.90	35.36	35.36
100-42-5	Styrene	U	7.90	7.90	34.70	34.70
95-47-6	o-Xylene	U	7.90	7.90	35.36	35.36
79-34-5	1,1,2,2-Tetrachloroethane	U	7.90	7.90	56.05	56.05
622-96-8	4-Ethyltoluene	U	7.90	7.90	40.03	40.03
108-67-8	1,3,5-Trimethylbenzene	U	7.90	7.90	40.03	40.03
95-63-6	1,2,4-Trimethylbenzene	U	7.90	7.90	40.03	40.03
541-73-1	1,3-Dichlorobenzene	U	7.90	7.90	49.04	49.04
100-44-7	Benzyl Chloride	U	7.90	7.90	42.37	42.37
106-46-7	1,4-Dichlorobenzene	U	7.90	7.90	49.04	49.04
95-50-1	1,2-Dichlorobenzene	U	7.90	7.90	49.04	49.04
120-82-1	1,2,4-Trichlorobenzene	U	7.90	7.90	60.38	60.38
87-68-3	Hexachlorobutadiene	U	7.90	7.90	87.07	87.07

	Surrogate Recovery	Spike Amt. ppbV	Amount ppbV	% Rec.	QC Limits	Flag * = Out
2037-26-5	Toluene-d8	10.00	9.50	95	70-130	

Notes: Reported results are to be interpreted to two significant figures.
*ug/m3 calculated assuming conditions at 60 F and 1 atm.

ANALYTICAL REPORT

SDG: 200171

Analytical Method: TO-14 — Laboratory Number: 06

File:	0017106A.D	Date Sampled: 04/17/00	Time Sampled:
Client:	OnSite Environmental Labs, Inc.	Date Received: 04/19/00	
Description:	VP11-2 CAN#314 0.050ML	Date Analyzed: 05/01/00	Time Analyzed: 18:32
Sam_Type:	SA	Dilution Factor: 32200.00	Can#: 314
QC_Batch:	050100-MS2	Analyst: KK\CC	

CAS#	Compound	Flag	MDL ppbv	Amount ppbv	MDL ug/m3*	Amount ug/m3*
75-71-8	Freon 12	U	1610.00	1610.00	8226.77	8226.77
74-87-3	Chloromethane	U	1610.00	1610.00	3433.49	3433.49
76-14-2	Freon 114	U	1610.00	1610.00	11626.27	11626.27
75-01-4	Vinyl chloride	U	1610.00	1610.00	4249.37	4249.37
74-83-9	Bromomethane	U	1610.00	1610.00	6452.24	6452.24
75-00-3	Chloroethane	U	1610.00	1610.00	4385.35	4385.35
75-69-4	Trichlorofluoromethane	U	1610.00	1610.00	9314.61	9314.61
75-35-4	1,1-Dichloroethene	U	1610.00	1610.00	6588.22	6588.22
76-13-1	Freon 113	U	1610.00	1610.00	12714.10	12714.10
75-09-2	Dichloromethane	U	1610.00	1610.00	5772.34	5772.34
75-34-3	1,1-Dichloroethane	U	1610.00	1610.00	6731.00	6731.00
156-59-2	c-1,2-Dichloroethene		1610.00	4035.18	6588.22	16512.19
67-66-3	Chloroform	U	1610.00	1610.00	8090.79	8090.79
71-55-6	1,1,1-Trichloroethane	U	1610.00	1610.00	9042.65	9042.65
107-06-2	1,2-Dichloroethane	U	1610.00	1610.00	6731.00	6731.00
71-43-2	Benzene	U	1610.00	1610.00	5310.01	5310.01
56-23-5	Carbon Tetrachloride	U	1610.00	1610.00	10470.44	10470.44
78-87-5	1,2-Dichloropropane	U	1610.00	1610.00	7682.85	7682.85
79-01-6	Trichloroethene		1610.00	7046.10	8906.67	38979.69
10061-01-5	c-1,3-Dichloropropene	U	1610.00	1610.00	7546.88	7546.88
108-88-3	Toluene	U	1610.00	1610.00	6261.87	6261.87
10061-02-6	t-1,3-Dichloropropene	U	1610.00	1610.00	7546.88	7546.88
79-00-5	1,1,2-Trichloroethane	U	1610.00	1610.00	9042.65	9042.65
106-93-4	1,2-Dibromoethane	U	1610.00	1610.00	12782.09	12782.09
127-18-4	Tetrachloroethene		1610.00	118741.44	11286.32	832393.56
108-90-7	Chlorobenzene	U	1610.00	1610.00	7682.85	7682.85
100-41-4	Ethylbenzene	U	1610.00	1610.00	7206.93	7206.93
108-38-3	m,p-Xylenes	U	1610.00	1610.00	7206.93	7206.93
100-42-5	Styrene	U	1610.00	1610.00	7070.95	7070.95
95-47-6	o-Xylene	U	1610.00	1610.00	7206.93	7206.93
79-34-5	1,1,2,2-Tetrachloroethane	U	1610.00	1610.00	11422.30	11422.30
622-96-8	4-Ethyltoluene	U	1610.00	1610.00	8158.78	8158.78
108-67-8	1,3,5-Trimethylbenzene	U	1610.00	1610.00	8158.78	8158.78
95-63-6	1,2,4-Trimethylbenzene	U	1610.00	1610.00	8158.78	8158.78
541-73-1	1,3-Dichlorobenzene	U	1610.00	1610.00	9994.51	9994.51
100-44-7	Benzyl Chloride	U	1610.00	1610.00	8634.71	8634.71
106-46-7	1,4-Dichlorobenzene	U	1610.00	1610.00	9994.51	9994.51
95-50-1	1,2-Dichlorobenzene	U	1610.00	1610.00	9994.51	9994.51
120-82-1	1,2,4-Trichlorobenzene	U	1610.00	1610.00	12306.17	12306.17
87-68-3	Hexachlorobutadiene	U	1610.00	1610.00	17745.35	17745.35

	Surrogate Recovery	Spike Amt. ppbV	Amount ppbV	% Rec.	QC Limits	Flag * = Out
2037-26-5	Toluene-d8	10.00	9.40	94	70-130	

Notes: Reported results are to be interpreted to two significant figures.
*ug/m3 calculated assuming conditions at 60 F and 1 atm.

ANALYTICAL REPORT

SDG: 200171

Analytical Method:	**TO-14**		Laboratory Number: 07
File:	0017107A.D	Date Sampled: 04/17/00	Time Sampled:
Client:	OnSite Environmental Labs, Inc.	Date Received: 04/19/00	
Description:	VP11-4.5 CAN#322 0.025ML	Date Analyzed: 05/03/00	Time Analyzed: 17:40
Sam_Type:	SA	Dilution Factor: 129600.00	Can#: 322
QC_Batch:	050300-MS2	Analyst: KK	

CAS#	Compound	Flag	MDL ppbv	Amount ppbv	MDL ug/m3*	Amount ug/m3*
75-71-8	Freon 12	U	6480	6480	33111	33111
74-87-3	Chloromethane	U	6480	6480	13819	13819
76-14-2	Freon 114	U	6480	6480	46794	46794
75-01-4	Vinyl chloride	U	6480	6480	17103	17103
74-83-9	Bromomethane	U	6480	6480	25969	25969
75-00-3	Chloroethane	U	6480	6480	17650	17650
75-69-4	Trichlorofluoromethane	U	6480	6480	37490	37490
75-35-4	1,1-Dichloroethene	U	6480	6480	26517	26517
76-13-1	Freon 113	U	6480	6480	51172	51172
75-09-2	Dichloromethane	U	6480	6480	23233	23233
75-34-3	1,1-Dichloroethane	U	6480	6480	27091	27091
156-59-2	c-1,2-Dichloroethene		6480	16872	26517	69041
67-66-3	Chloroform	U	6480	6480	32564	32564
71-55-6	1,1,1-Trichloroethane		6480	7450	36395	41843
107-06-2	1,2-Dichloroethane	U	6480	6480	27091	27091
71-43-2	Benzene	U	6480	6480	21372	21372
56-23-5	Carbon Tetrachloride	U	6480	6480	42142	42142
78-87-5	1,2-Dichloropropane	U	6480	6480	30922	30922
79-01-6	Trichloroethene		6480	81708	35848	452017
10061-01-5	c-1,3-Dichloropropene	U	6480	6480	30375	30375
108-88-3	Toluene	U	6480	6480	25203	25203
10061-02-6	t-1,3-Dichloropropene	U	6480	6480	30375	30375
79-00-5	1,1,2-Trichloroethane	U	6480	6480	36395	36395
106-93-4	1,2-Dibromoethane	U	6480	6480	51446	51446
127-18-4	Tetrachloroethene	B	6480	1480088	45426	10375616
108-90-7	Chlorobenzene	U	6480	6480	30922	30922
100-41-4	Ethylbenzene	U	6480	6480	29007	29007
108-38-3	m,p-Xylenes	U	6480	6480	29007	29007
100-42-5	Styrene	U	6480	6480	28459	28459
95-47-6	o-Xylene	U	6480	6480	29007	29007
79-34-5	1,1,2,2-Tetrachloroethane	U	6480	6480	45973	45973
622-96-8	4-Ethyltoluene	U	6480	6480	32838	32838
108-67-8	1,3,5-Trimethylbenzene	U	6480	6480	32838	32838
95-63-6	1,2,4-Trimethylbenzene	U	6480	6480	32838	32838
541-73-1	1,3-Dichlorobenzene	U	6480	6480	40226	40226
100-44-7	Benzyl Chloride	U	6480	6480	34753	34753
106-46-7	1,4-Dichlorobenzene	U	6480	6480	40226	40226
95-50-1	1,2-Dichlorobenzene	U	6480	6480	40226	40226
120-82-1	1,2,4-Trichlorobenzene	U	6480	6480	49530	49530
87-68-3	Hexachlorobutadiene	U	6480	6480	71422	71422

	Surrogate Recovery	Spike Amt. ppbV	Amount ppbV	% Rec.	QC Limits	Flag * = Out
2037-26-5	Toluene-d8	10.00	10.46	105	70-130	

Notes: Reported results are to be interpreted to two significant figures.
*ug/m3 calculated assuming conditions at 60 F and 1 atm.

ANALYTICAL REPORT

SDG: 200171

Analytical Method: TO-14 — Laboratory Number: 08

File:	0017108A.D	Date Sampled: 04/17/00	Time Sampled:
Client:	OnSite Environmental Labs, Inc.	Date Received: 04/19/00	
Description:	VP11-6.5 CAN#367 0.025ML	Date Analyzed: 05/01/00	Time Analyzed: 20:52
Sam_Type:	SA	Dilution Factor: 644000.00	Can#: 367
QC_Batch:	050100-MS2	Analyst: KK\CC	

CAS#	Compound	Flag	MDL ppbv	Amount ppbv	MDL ug/m3*	Amount ug/m3*
75-71-8	Freon 12	U	32200	32200	164535	164535
74-87-3	Chloromethane	U	32200	32200	68670	68670
76-14-2	Freon 114	U	32200	32200	232525	232525
75-01-4	Vinyl chloride	U	32200	32200	84987	84987
74-83-9	Bromomethane	U	32200	32200	129045	129045
75-00-3	Chloroethane	U	32200	32200	87707	87707
75-69-4	Trichlorofluoromethane	U	32200	32200	186292	186292
75-35-4	1,1-Dichloroethene	U	32200	32200	131764	131764
76-13-1	Freon 113	U	32200	32200	254282	254282
75-09-2	Dichloromethane	U	32200	32200	115447	115447
75-34-3	1,1-Dichloroethane	U	32200	32200	134620	134620
156-59-2	c-1,2-Dichloroethene		32200	74888	131764	306447
67-66-3	Chloroform	U	32200	32200	161816	161816
71-55-6	1,1,1-Trichloroethane	U	32200	32200	180853	180853
107-06-2	1,2-Dichloroethane	U	32200	32200	134620	134620
71-43-2	Benzene	U	32200	32200	106200	106200
56-23-5	Carbon Tetrachloride	U	32200	32200	209409	209409
78-87-5	1,2-Dichloropropane	U	32200	32200	153657	153657
79-01-6	Trichloroethene		32200	230522	178133	1275268
10061-01-5	c-1,3-Dichloropropene	U	32200	32200	150938	150938
108-88-3	Toluene	U	32200	32200	125237	125237
10061-02-6	t-1,3-Dichloropropene	U	32200	32200	150938	150938
79-00-5	1,1,2-Trichloroethane	U	32200	32200	180853	180853
106-93-4	1,2-Dibromoethane	U	32200	32200	255642	255642
127-18-4	Tetrachloroethene		32200	6004147	225726	42089880
108-90-7	Chlorobenzene	U	32200	32200	153657	153657
100-41-4	Ethylbenzene	U	32200	32200	144139	144139
108-38-3	m,p-Xylenes	U	32200	32200	144139	144139
100-42-5	Styrene	U	32200	32200	141419	141419
95-47-6	o-Xylene	U	32200	32200	144139	144139
79-34-5	1,1,2,2-Tetrachloroethane	U	32200	32200	228446	228446
622-96-8	4-Ethyltoluene	U	32200	32200	163176	163176
108-67-8	1,3,5-Trimethylbenzene	U	32200	32200	163176	163176
95-63-6	1,2,4-Trimethylbenzene	U	32200	32200	163176	163176
541-73-1	1,3-Dichlorobenzene	U	32200	32200	199890	199890
100-44-7	Benzyl Chloride	U	32200	32200	172694	172694
106-46-7	1,4-Dichlorobenzene	U	32200	32200	199890	199890
95-50-1	1,2-Dichlorobenzene	U	32200	32200	199890	199890
120-82-1	1,2,4-Trichlorobenzene	U	32200	32200	246123	246123
87-68-3	Hexachlorobutadiene	U	32200	32200	354907	354907

	Surrogate Recovery	Spike Amt. ppbV	Amount ppbV	% Rec.	QC Limits	Flag * = Out
2037-26-5	Toluene-d8	10.00	10.40	104	70-130	

Notes: Reported results are to be interpreted to two significant figures.
*ug/m3 calculated assuming conditions at 60 F and 1 atm.

ANALYTICAL REPORT

SDG: 200171

Analytical Method: TO-14 Laboratory Number: 09

File:	0017109A.D	Date Sampled: 04/17/00	Time Sampled:
Client:	OnSite Environmental Labs, Inc.	Date Received: 04/19/00	
Description:	VP44-1 CAN#329 0.1ML	Date Analyzed: 04/28/00	Time Analyzed: 16:18
Sam_Type:	SA	Dilution Factor: 16000.00	Can#: 329
QC_Batch:	042800-MS2	Analyst: KK	

CAS#	Compound	Flag	MDL ppbv	Amount ppbv	MDL ug/m3*	Amount ug/m3*
75-71-8	Freon 12	U	800.00	800.00	4087.84	4087.84
74-87-3	Chloromethane	U	800.00	800.00	1706.08	1706.08
76-14-2	Freon 114	U	800.00	800.00	5777.03	5777.03
75-01-4	Vinyl chloride	U	800.00	800.00	2111.49	2111.49
74-83-9	Bromomethane	U	800.00	800.00	3206.08	3206.08
75-00-3	Chloroethane	U	800.00	800.00	2179.05	2179.05
75-69-4	Trichlorofluoromethane	U	800.00	800.00	4628.38	4628.38
75-35-4	1,1-Dichloroethene	U	800.00	800.00	3273.65	3273.65
76-13-1	Freon 113	U	800.00	800.00	6317.57	6317.57
75-09-2	Dichloromethane	U	800.00	800.00	2868.24	2868.24
75-34-3	1,1-Dichloroethane	U	800.00	800.00	3344.59	3344.59
156-59-2	c-1,2-Dichloroethene		800.00	1163.87	3273.65	4762.63
67-66-3	Chloroform	U	800.00	800.00	4020.27	4020.27
71-55-6	1,1,1-Trichloroethane	U	800.00	800.00	4493.24	4493.24
107-06-2	1,2-Dichloroethane	U	800.00	800.00	3344.59	3344.59
71-43-2	Benzene	U	800.00	800.00	2638.51	2638.51
56-23-5	Carbon Tetrachloride	U	800.00	800.00	5202.70	5202.70
78-87-5	1,2-Dichloropropane	U	800.00	800.00	3817.57	3817.57
79-01-6	Trichloroethene		800.00	1836.85	4425.68	10161.65
10061-01-5	c-1,3-Dichloropropene	U	800.00	800.00	3750.00	3750.00
108-88-3	Toluene		800.00	1525.25	3111.49	5932.23
10061-02-6	t-1,3-Dichloropropene	U	800.00	800.00	3750.00	3750.00
79-00-5	1,1,2-Trichloroethane	U	800.00	800.00	4493.24	4493.24
106-93-4	1,2-Dibromoethane	U	800.00	800.00	6351.35	6351.35
127-18-4	Tetrachloroethene		800.00	44464.88	5608.11	311704.80
108-90-7	Chlorobenzene	U	800.00	800.00	3817.57	3817.57
100-41-4	Ethylbenzene	U	800.00	800.00	3581.08	3581.08
108-38-3	m,p-Xylenes	U	800.00	800.00	3581.08	3581.08
100-42-5	Styrene	U	800.00	800.00	3513.51	3513.51
95-47-6	o-Xylene	U	800.00	800.00	3581.08	3581.08
79-34-5	1,1,2,2-Tetrachloroethane	U	800.00	800.00	5675.68	5675.68
622-96-8	4-Ethyltoluene	U	800.00	800.00	4054.05	4054.05
108-67-8	1,3,5-Trimethylbenzene	U	800.00	800.00	4054.05	4054.05
95-63-6	1,2,4-Trimethylbenzene	U	800.00	800.00	4054.05	4054.05
541-73-1	1,3-Dichlorobenzene	U	800.00	800.00	4966.22	4966.22
100-44-7	Benzyl Chloride	U	800.00	800.00	4290.54	4290.54
106-46-7	1,4-Dichlorobenzene	U	800.00	800.00	4966.22	4966.22
95-50-1	1,2-Dichlorobenzene	U	800.00	800.00	4966.22	4966.22
120-82-1	1,2,4-Trichlorobenzene	U	800.00	800.00	6114.86	6114.86
87-68-3	Hexachlorobutadiene	U	800.00	800.00	8817.57	8817.57

	Surrogate Recovery	Spike Amt. ppbV	Amount ppbV	% Rec.	QC Limits	Flag * = Out
2037-26-5	Toluene-d8	10.00	9.59	96	70-130	

Notes: Reported results are to be interpreted to two significant figures.
*ug/m3 calculated assuming conditions at 60 F and 1 atm.

ANALYTICAL REPORT

SDG: 200171

Analytical Method: TO-14 | Laboratory Number: 10

File:	0017110A.D	Date Sampled: 04/17/00	Time Sampled:
Client:	OnSite Environmental Labs, Inc.	Date Received: 04/19/00	
Description:	VP44-3 CAN#333 0.25ML	Date Analyzed: 04/28/00	Time Analyzed: 15:28
Sam_Type:	SA	Dilution Factor: 6480.00	Can#: 333
QC_Batch:	042800-MS2	Analyst: KK	

CAS#	Compound	Flag	MDL ppbv	Amount ppbv	MDL ug/m3*	Amount ug/m3*
75-71-8	Freon 12	U	324.00	324.00	1655.57	1655.57
74-87-3	Chloromethane	U	324.00	324.00	690.96	690.96
76-14-2	Freon 114	U	324.00	324.00	2339.70	2339.70
75-01-4	Vinyl chloride	U	324.00	324.00	855.15	855.15
74-83-9	Bromomethane	U	324.00	324.00	1298.46	1298.46
75-00-3	Chloroethane	U	324.00	324.00	882.52	882.52
75-69-4	Trichlorofluoromethane	U	324.00	324.00	1874.49	1874.49
75-35-4	1,1-Dichloroethene	U	324.00	324.00	1325.83	1325.83
76-13-1	Freon 113	U	324.00	324.00	2558.61	2558.61
75-09-2	Dichloromethane	U	324.00	324.00	1161.64	1161.64
75-34-3	1,1-Dichloroethane	U	324.00	324.00	1354.56	1354.56
156-59-2	c-1,2-Dichloroethene	U	324.00	324.00	1325.83	1325.83
67-66-3	Chloroform	U	324.00	324.00	1628.21	1628.21
71-55-6	1,1,1-Trichloroethane	U	324.00	324.00	1819.76	1819.76
107-06-2	1,2-Dichloroethane	U	324.00	324.00	1354.56	1354.56
71-43-2	Benzene	U	324.00	324.00	1068.60	1068.60
56-23-5	Carbon Tetrachloride	U	324.00	324.00	2107.09	2107.09
78-87-5	1,2-Dichloropropane	U	324.00	324.00	1546.11	1546.11
79-01-6	Trichloroethene	U	324.00	324.00	1792.40	1792.40
10061-01-5	c-1,3-Dichloropropene	U	324.00	324.00	1518.75	1518.75
108-88-3	Toluene	U	324.00	324.00	1260.15	1260.15
10061-02-6	t-1,3-Dichloropropene	U	324.00	324.00	1518.75	1518.75
79-00-5	1,1,2-Trichloroethane	U	324.00	324.00	1819.76	1819.76
106-93-4	1,2-Dibromoethane	U	324.00	324.00	2572.30	2572.30
127-18-4	Tetrachloroethene		324.00	14872.29	2271.28	104256.77
108-90-7	Chlorobenzene	U	324.00	324.00	1546.11	1546.11
100-41-4	Ethylbenzene	U	324.00	324.00	1450.34	1450.34
108-38-3	m,p-Xylenes	U	324.00	324.00	1450.34	1450.34
100-42-5	Styrene	U	324.00	324.00	1422.97	1422.97
95-47-6	o-Xylene	U	324.00	324.00	1450.34	1450.34
79-34-5	1,1,2,2-Tetrachloroethane	U	324.00	324.00	2298.65	2298.65
622-96-8	4-Ethyltoluene	U	324.00	324.00	1641.89	1641.89
108-67-8	1,3,5-Trimethylbenzene	U	324.00	324.00	1641.89	1641.89
95-63-6	1,2,4-Trimethylbenzene	U	324.00	324.00	1641.89	1641.89
541-73-1	1,3-Dichlorobenzene	U	324.00	324.00	2011.32	2011.32
100-44-7	Benzyl Chloride	U	324.00	324.00	1737.67	1737.67
106-46-7	1,4-Dichlorobenzene	U	324.00	324.00	2011.32	2011.32
95-50-1	1,2-Dichlorobenzene	U	324.00	324.00	2011.32	2011.32
120-82-1	1,2,4-Trichlorobenzene	U	324.00	324.00	2476.52	2476.52
87-68-3	Hexachlorobutadiene	U	324.00	324.00	3571.11	3571.11

	Surrogate Recovery	Spike Amt. ppbV	Amount ppbV	% Rec.	QC Limits	Flag * = Out
2037-26-5	Toluene-d8	10.00	9.53	95	70-130	

Notes: Reported results are to be interpreted to two significant figures.
*ug/m3 calculated assuming conditions at 60 F and 1 atm.

ANALYTICAL REPORT

SDG: 200171

Analytical Method: TO-14 — Laboratory Number: 11

File:	0017111C.D	Date Sampled: 04/17/00	Time Sampled:
Client:	OnSite Environmental Labs, Inc.	Date Received: 04/19/00	
Description:	VP44-6 CAN#300 0.025ML	Date Analyzed: 05/02/00	Time Analyzed: 20:39
Sam_Type:	SA	Dilution Factor: 310000.00	Can#: 300
QC_Batch:	050200-MS2	Analyst: KK/RK	

CAS#	Compound	Flag	MDL ppbv	Amount ppbv	MDL ug/m3*	Amount ug/m3*
75-71-8	Freon 12	U	15500	15500	79202	79202
74-87-3	Chloromethane	U	15500	15500	33055	33055
76-14-2	Freon 114	U	15500	15500	111930	111930
75-01-4	Vinyl chloride	U	15500	15500	40910	40910
74-83-9	Bromomethane	U	15500	15500	62118	62118
75-00-3	Chloroethane	U	15500	15500	42219	42219
75-69-4	Trichlorofluoromethane	U	15500	15500	89675	89675
75-35-4	1,1-Dichloroethene	U	15500	15500	63427	63427
76-13-1	Freon 113	U	15500	15500	122403	122403
75-09-2	Dichloromethane	U	15500	15500	55572	55572
75-34-3	1,1-Dichloroethane	U	15500	15500	64802	64802
156-59-2	c-1,2-Dichloroethene		15500	60850	63427	249003
67-66-3	Chloroform	U	15500	15500	77893	77893
71-55-6	1,1,1-Trichloroethane	U	15500	15500	87057	87057
107-06-2	1,2-Dichloroethane	U	15500	15500	64802	64802
71-43-2	Benzene	U	15500	15500	51121	51121
56-23-5	Carbon Tetrachloride	U	15500	15500	100802	100802
78-87-5	1,2-Dichloropropane	U	15500	15500	73965	73965
79-01-6	Trichloroethene		15500	122596	85747	678211
10061-01-5	c-1,3-Dichloropropene	U	15500	15500	72656	72656
108-88-3	Toluene	U	15500	15500	60285	60285
10061-02-6	t-1,3-Dichloropropene	U	15500	15500	72656	72656
79-00-5	1,1,2-Trichloroethane	U	15500	15500	87057	87057
106-93-4	1,2-Dibromoethane	U	15500	15500	123057	123057
127-18-4	Tetrachloroethene	B	15500	5694839	108657	39921588
108-90-7	Chlorobenzene	U	15500	15500	73965	73965
100-41-4	Ethylbenzene	U	15500	15500	69383	69383
108-38-3	m,p-Xylenes	U	15500	15500	69383	69383
100-42-5	Styrene	U	15500	15500	68074	68074
95-47-6	o-Xylene	U	15500	15500	69383	69383
79-34-5	1,1,2,2-Tetrachloroethane	U	15500	15500	109966	109966
622-96-8	4-Ethyltoluene	U	15500	15500	78547	78547
108-67-8	1,3,5-Trimethylbenzene	U	15500	15500	78547	78547
95-63-6	1,2,4-Trimethylbenzene	U	15500	15500	78547	78547
541-73-1	1,3-Dichlorobenzene	U	15500	15500	96220	96220
100-44-7	Benzyl Chloride	U	15500	15500	83129	83129
106-46-7	1,4-Dichlorobenzene	U	15500	15500	96220	96220
95-50-1	1,2-Dichlorobenzene	U	15500	15500	96220	96220
120-82-1	1,2,4-Trichlorobenzene	U	15500	15500	118476	118476
87-68-3	Hexachlorobutadiene	U	15500	15500	170840	170840

	Surrogate Recovery	Spike Amt. ppbV	Amount ppbV	% Rec.	QC Limits	Flag * = Out
2037-26-5	Toluene-d8	10.00	11.35	114	70-130	

Notes: Reported results are to be interpreted to two significant figures.
*ug/m3 calculated assuming conditions at 60 F and 1 atm.

ANALYTICAL REPORT

SDG: 200171

Analytical Method:	**TO-14**		Laboratory Number: 12
File:	0017112A.D	Date Sampled: 04/17/00	Time Sampled:
Client:	OnSite Environmental Labs, Inc.	Date Received: 04/19/00	
Description:	VP44-8 CAN#379 0.025ML	Date Analyzed: 05/01/00	Time Analyzed: 20:10
Sam_Type:	SA	Dilution Factor: 300000.00	Can#: 379
QC_Batch:	050100-MS2	Analyst: KK\CC	

CAS#	Compound	Flag	MDL ppbv	Amount ppbv	MDL ug/m3*	Amount ug/m3*
75-71-8	Freon 12	U	15000	15000	76647	76647
74-87-3	Chloromethane	U	15000	15000	31989	31989
76-14-2	Freon 114	U	15000	15000	108319	108319
75-01-4	Vinyl chloride	U	15000	15000	39590	39590
74-83-9	Bromomethane	U	15000	15000	60114	60114
75-00-3	Chloroethane	U	15000	15000	40857	40857
75-69-4	Trichlorofluoromethane	U	15000	15000	86782	86782
75-35-4	1,1-Dichloroethene	U	15000	15000	61381	61381
76-13-1	Freon 113	U	15000	15000	118454	118454
75-09-2	Dichloromethane	U	15000	15000	53780	53780
75-34-3	1,1-Dichloroethane	U	15000	15000	62711	62711
156-59-2	c-1,2-Dichloroethene		15000	32519	61381	133072
67-66-3	Chloroform	U	15000	15000	75380	75380
71-55-6	1,1,1-Trichloroethane	U	15000	15000	84248	84248
107-06-2	1,2-Dichloroethane	U	15000	15000	62711	62711
71-43-2	Benzene	U	15000	15000	49472	49472
56-23-5	Carbon Tetrachloride	U	15000	15000	97551	97551
78-87-5	1,2-Dichloropropane	U	15000	15000	71579	71579
79-01-6	Trichloroethene		15000	57795	82981	319727
10061-01-5	c-1,3-Dichloropropene	U	15000	15000	70313	70313
108-88-3	Toluene	U	15000	15000	58340	58340
10061-02-6	t-1,3-Dichloropropene	U	15000	15000	70313	70313
79-00-5	1,1,2-Trichloroethane	U	15000	15000	84248	84248
106-93-4	1,2-Dibromoethane	U	15000	15000	119088	119088
127-18-4	Tetrachloroethene		15000	3028425	105152	21229667
108-90-7	Chlorobenzene	U	15000	15000	71579	71579
100-41-4	Ethylbenzene	U	15000	15000	67145	67145
108-38-3	m,p-Xylenes	U	15000	15000	67145	67145
100-42-5	Styrene	U	15000	15000	65878	65878
95-47-6	o-Xylene	U	15000	15000	67145	67145
79-34-5	1,1,2,2-Tetrachloroethane	U	15000	15000	106419	106419
622-96-8	4-Ethyltoluene	U	15000	15000	76014	76014
108-67-8	1,3,5-Trimethylbenzene	U	15000	15000	76014	76014
95-63-6	1,2,4-Trimethylbenzene	U	15000	15000	76014	76014
541-73-1	1,3-Dichlorobenzene	U	15000	15000	93117	93117
100-44-7	Benzyl Chloride	U	15000	15000	80448	80448
106-46-7	1,4-Dichlorobenzene	U	15000	15000	93117	93117
95-50-1	1,2-Dichlorobenzene	U	15000	15000	93117	93117
120-82-1	1,2,4-Trichlorobenzene	U	15000	15000	114654	114654
87-68-3	Hexachlorobutadiene	U	15000	15000	165329	165329

	Surrogate Recovery	Spike Amt. ppbV	Amount ppbV	% Rec.	QC Limits	Flag * = Out
2037-26-5	Toluene-d8	10.00	10.72	107	70-130	

Notes: Reported results are to be interpreted to two significant figures.
*ug/m3 calculated assuming conditions at 60 F and 1 atm.

ANALYTICAL REPORT

SDG: 200171

Analytical Method:	**TO-14**		Laboratory Number: 13
File:	0017113A.D	Date Sampled: 04/17/00	Time Sampled:
Client:	OnSite Environmental Labs, Inc.	Date Received: 04/19/00	
Description:	VP52-0.25 CAN#659 0.5ML	Date Analyzed: 05/03/00	Time Analyzed: 19:15
Sam_Type:	SA	Dilution Factor: 3060.00	Can#: 659
QC_Batch:	050300-MS2	Analyst: KK	

CAS#	Compound	Flag	MDL ppbv	Amount ppbv	MDL ug/m3*	Amount ug/m3*
75-71-8	Freon 12	U	153.00	153.00	781.80	781.80
74-87-3	Chloromethane	U	153.00	153.00	326.29	326.29
76-14-2	Freon 114	U	153.00	153.00	1104.86	1104.86
75-01-4	Vinyl chloride	U	153.00	153.00	403.82	403.82
74-83-9	Bromomethane	U	153.00	153.00	613.16	613.16
75-00-3	Chloroethane	U	153.00	153.00	416.74	416.74
75-69-4	Trichlorofluoromethane	U	153.00	153.00	885.18	885.18
75-35-4	1,1-Dichloroethene	U	153.00	153.00	626.09	626.09
76-13-1	Freon 113	U	153.00	153.00	1208.23	1208.23
75-09-2	Dichloromethane	U	153.00	153.00	548.55	548.55
75-34-3	1,1-Dichloroethane	U	153.00	153.00	639.65	639.65
156-59-2	c-1,2-Dichloroethene		153.00	3083.91	626.09	12619.53
67-66-3	Chloroform	U	153.00	153.00	768.88	768.88
71-55-6	1,1,1-Trichloroethane	U	153.00	153.00	859.33	859.33
107-06-2	1,2-Dichloroethane	U	153.00	153.00	639.65	639.65
71-43-2	Benzene	U	153.00	153.00	504.62	504.62
56-23-5	Carbon Tetrachloride	U	153.00	153.00	995.02	995.02
78-87-5	1,2-Dichloropropane	U	153.00	153.00	730.11	730.11
79-01-6	Trichloroethene		153.00	684.84	846.41	3788.60
10061-01-5	c-1,3-Dichloropropene	U	153.00	153.00	717.19	717.19
108-88-3	Toluene		153.00	643.37	595.07	2502.30
10061-02-6	t-1,3-Dichloropropene	U	153.00	153.00	717.19	717.19
79-00-5	1,1,2-Trichloroethane	U	153.00	153.00	859.33	859.33
106-93-4	1,2-Dibromoethane	U	153.00	153.00	1214.70	1214.70
127-18-4	Tetrachloroethene	B	153.00	14819.64	1072.55	103887.70
108-90-7	Chlorobenzene	U	153.00	153.00	730.11	730.11
100-41-4	Ethylbenzene	U	153.00	153.00	684.88	684.88
108-38-3	m,p-Xylenes	U	153.00	153.00	684.88	684.88
100-42-5	Styrene	U	153.00	153.00	671.96	671.96
95-47-6	o-Xylene	U	153.00	153.00	684.88	684.88
79-34-5	1,1,2,2-Tetrachloroethane	U	153.00	153.00	1085.47	1085.47
622-96-8	4-Ethyltoluene	U	153.00	153.00	775.34	775.34
108-67-8	1,3,5-Trimethylbenzene	U	153.00	153.00	775.34	775.34
95-63-6	1,2,4-Trimethylbenzene	U	153.00	153.00	775.34	775.34
541-73-1	1,3-Dichlorobenzene	U	153.00	153.00	949.79	949.79
100-44-7	Benzyl Chloride	U	153.00	153.00	820.57	820.57
106-46-7	1,4-Dichlorobenzene	U	153.00	153.00	949.79	949.79
95-50-1	1,2-Dichlorobenzene	U	153.00	153.00	949.79	949.79
120-82-1	1,2,4-Trichlorobenzene	U	153.00	153.00	1169.47	1169.47
87-68-3	Hexachlorobutadiene	U	153.00	153.00	1686.36	1686.36

	Surrogate Recovery	Spike Amt. ppbV	Amount ppbV	% Rec.	QC Limits	Flag * = Out
2037-26-5	Toluene-d8	10.00	11.79	118	70-130	

Notes: Reported results are to be interpreted to two significant figures.
*ug/m3 calculated assuming conditions at 60 F and 1 atm.

ANALYTICAL REPORT

SDG: 200171

Analytical Method:	**TO-14**		Laboratory Number: 14
File:	0017114A.D	Date Sampled: 04/17/00	Time Sampled:
Client:	OnSite Environmental Labs, Inc.	Date Received: 04/19/00	
Description:	VP52-0.25 DUP CAN#698 0.05ML	Date Analyzed: 04/28/00	Time Analyzed: 18:00
Sam_Type:	SA	Dilution Factor: 30800.00	Can#: 698
QC_Batch:	042800-MS2	Analyst: KK	

CAS#	Compound	Flag	MDL ppbv	Amount ppbv	MDL ug/m3*	Amount ug/m3*
75-71-8	Freon 12	U	1540.00	1540.00	7869.09	7869.09
74-87-3	Chloromethane	U	1540.00	1540.00	3284.21	3284.21
76-14-2	Freon 114	U	1540.00	1540.00	11120.78	11120.78
75-01-4	Vinyl chloride	U	1540.00	1540.00	4064.61	4064.61
74-83-9	Bromomethane	U	1540.00	1540.00	6171.71	6171.71
75-00-3	Chloroethane	U	1540.00	1540.00	4194.68	4194.68
75-69-4	Trichlorofluoromethane	U	1540.00	1540.00	8909.63	8909.63
75-35-4	1,1-Dichloroethene	U	1540.00	1540.00	6301.77	6301.77
76-13-1	Freon 113	U	1540.00	1540.00	12161.32	12161.32
75-09-2	Dichloromethane	U	1540.00	1540.00	5521.37	5521.37
75-34-3	1,1-Dichloroethane	U	1540.00	1540.00	6438.34	6438.34
156-59-2	c-1,2-Dichloroethene		1540.00	3090.73	6301.77	12647.44
67-66-3	Chloroform	U	1540.00	1540.00	7739.02	7739.02
71-55-6	1,1,1-Trichloroethane	U	1540.00	1540.00	8649.49	8649.49
107-06-2	1,2-Dichloroethane	U	1540.00	1540.00	6438.34	6438.34
71-43-2	Benzene	U	1540.00	1540.00	5079.14	5079.14
56-23-5	Carbon Tetrachloride	U	1540.00	1540.00	10015.20	10015.20
78-87-5	1,2-Dichloropropane	U	1540.00	1540.00	7348.82	7348.82
79-01-6	Trichloroethene	U	1540.00	1540.00	8519.43	8519.43
10061-01-5	c-1,3-Dichloropropene	U	1540.00	1540.00	7218.75	7218.75
108-88-3	Toluene	U	1540.00	1540.00	5989.61	5989.61
10061-02-6	t-1,3-Dichloropropene	U	1540.00	1540.00	7218.75	7218.75
79-00-5	1,1,2-Trichloroethane	U	1540.00	1540.00	8649.49	8649.49
106-93-4	1,2-Dibromoethane	U	1540.00	1540.00	12226.35	12226.35
127-18-4	Tetrachloroethene		1540.00	34580.84	10795.61	242416.38
108-90-7	Chlorobenzene	U	1540.00	1540.00	7348.82	7348.82
100-41-4	Ethylbenzene	U	1540.00	1540.00	6893.58	6893.58
108-38-3	m,p-Xylenes	U	1540.00	1540.00	6893.58	6893.58
100-42-5	Styrene	U	1540.00	1540.00	6763.51	6763.51
95-47-6	o-Xylene	U	1540.00	1540.00	6893.58	6893.58
79-34-5	1,1,2,2-Tetrachloroethane	U	1540.00	1540.00	10925.68	10925.68
622-96-8	4-Ethyltoluene	U	1540.00	1540.00	7804.05	7804.05
108-67-8	1,3,5-Trimethylbenzene	U	1540.00	1540.00	7804.05	7804.05
95-63-6	1,2,4-Trimethylbenzene	U	1540.00	1540.00	7804.05	7804.05
541-73-1	1,3-Dichlorobenzene	U	1540.00	1540.00	9559.97	9559.97
100-44-7	Benzyl Chloride	U	1540.00	1540.00	8259.29	8259.29
106-46-7	1,4-Dichlorobenzene	U	1540.00	1540.00	9559.97	9559.97
95-50-1	1,2-Dichlorobenzene	U	1540.00	1540.00	9559.97	9559.97
120-82-1	1,2,4-Trichlorobenzene	U	1540.00	1540.00	11771.11	11771.11
87-68-3	Hexachlorobutadiene	U	1540.00	1540.00	16973.82	16973.82

	Surrogate Recovery	Spike Amt. ppbV	Amount ppbV	% Rec.	QC Limits	Flag * = Out
2037-26-5	Toluene-d8	10.00	11.26	113	70-130	

Notes: Reported results are to be interpreted to two significant figures.
*ug/m3 calculated assuming conditions at 60 F and 1 atm.

ANALYTICAL REPORT

SDG: 200171

Analytical Method: TO-14 — Laboratory Number: 15

File:	0017115A.D	Date Sampled: 04/17/00	Time Sampled:
Client:	OnSite Environmental Labs, Inc.	Date Received: 04/19/00	
Description:	VP52-2 CAN#346 0.025ML	Date Analyzed: 05/03/00	Time Analyzed: 16:51
Sam_Type:	SA	Dilution Factor: 306000.00	Can#: 346
QC_Batch:	050300-MS2	Analyst: KK	

CAS#	Compound	Flag	MDL ppbv	Amount ppbv	MDL ug/m3*	Amount ug/m3*
75-71-8	Freon 12	U	15300	15300	78180	78180
74-87-3	Chloromethane	U	15300	15300	32629	32629
76-14-2	Freon 114	U	15300	15300	110486	110486
75-01-4	Vinyl chloride	U	15300	15300	40382	40382
74-83-9	Bromomethane	U	15300	15300	61316	61316
75-00-3	Chloroethane	U	15300	15300	41674	41674
75-69-4	Trichlorofluoromethane	U	15300	15300	88518	88518
75-35-4	1,1-Dichloroethene	U	15300	15300	62609	62609
76-13-1	Freon 113	U	15300	15300	120823	120823
75-09-2	Dichloromethane	U	15300	15300	54855	54855
75-34-3	1,1-Dichloroethane	U	15300	15300	63965	63965
156-59-2	c-1,2-Dichloroethene		15300	31248	62609	127869
67-66-3	Chloroform	U	15300	15300	76888	76888
71-55-6	1,1,1-Trichloroethane	U	15300	15300	85933	85933
107-06-2	1,2-Dichloroethane	U	15300	15300	63965	63965
71-43-2	Benzene	U	15300	15300	50462	50462
56-23-5	Carbon Tetrachloride	U	15300	15300	99502	99502
78-87-5	1,2-Dichloropropane	U	15300	15300	73011	73011
79-01-6	Trichloroethene		15300	38270	84641	211714
10061-01-5	c-1,3-Dichloropropene	U	15300	15300	71719	71719
108-88-3	Toluene	U	15300	15300	59507	59507
10061-02-6	t-1,3-Dichloropropene	U	15300	15300	71719	71719
79-00-5	1,1,2-Trichloroethane	U	15300	15300	85933	85933
106-93-4	1,2-Dibromoethane	U	15300	15300	121470	121470
127-18-4	Tetrachloroethene	B	15300	1023685	107255	7176173
108-90-7	Chlorobenzene	U	15300	15300	73011	73011
100-41-4	Ethylbenzene	U	15300	15300	68488	68488
108-38-3	m,p-Xylenes	U	15300	15300	68488	68488
100-42-5	Styrene	U	15300	15300	67196	67196
95-47-6	o-Xylene	U	15300	15300	68488	68488
79-34-5	1,1,2,2-Tetrachloroethane	U	15300	15300	108547	108547
622-96-8	4-Ethyltoluene	U	15300	15300	77534	77534
108-67-8	1,3,5-Trimethylbenzene	U	15300	15300	77534	77534
95-63-6	1,2,4-Trimethylbenzene	U	15300	15300	77534	77534
541-73-1	1,3-Dichlorobenzene	U	15300	15300	94979	94979
100-44-7	Benzyl Chloride	U	15300	15300	82057	82057
106-46-7	1,4-Dichlorobenzene	U	15300	15300	94979	94979
95-50-1	1,2-Dichlorobenzene	U	15300	15300	94979	94979
120-82-1	1,2,4-Trichlorobenzene	U	15300	15300	116947	116947
87-68-3	Hexachlorobutadiene	U	15300	15300	168636	168636

	Surrogate Recovery	Spike Amt. ppbV	Amount ppbV	% Rec.	QC Limits	Flag * = Out
2037-26-5	Toluene-d8	10.00	8.28	83	70-130	

Notes: Reported results are to be interpreted to two significant figures.
*ug/m3 calculated assuming conditions at 60 F and 1 atm.

ANALYTICAL REPORT

SDG: 200171

Analytical Method:	**TO-14**		Laboratory Number: 16
File:	0017116A.D	Date Sampled: 04/17/00	Time Sampled:
Client:	OnSite Environmental Labs, Inc.	Date Received: 04/19/00	
Description:	VPS2-4 CAN#304 0.025ML	Date Analyzed: 05/01/00	Time Analyzed: 14:57
Sam_Type:	SA	Dilution Factor: 60800.00	Can#: 304
QC_Batch:	050100-MS2	Analyst: KK\CC	

CAS#	Compound	Flag	MDL ppbv	Amount ppbv	MDL ug/m3*	Amount ug/m3*
75-71-8	Freon 12	U	3040	3040	15534	15534
74-87-3	Chloromethane	U	3040	3040	6483	6483
76-14-2	Freon 114	U	3040	3040	21953	21953
75-01-4	Vinyl chloride	U	3040	3040	8024	8024
74-83-9	Bromomethane	U	3040	3040	12183	12183
75-00-3	Chloroethane	U	3040	3040	8280	8280
75-69-4	Trichlorofluoromethane	U	3040	3040	17588	17588
75-35-4	1,1-Dichloroethene	U	3040	3040	12440	12440
76-13-1	Freon 113	U	3040	3040	24007	24007
75-09-2	Dichloromethane	U	3040	3040	10899	10899
75-34-3	1,1-Dichloroethane	U	3040	3040	12709	12709
156-59-2	c-1,2-Dichloroethene		3040	46377	12440	189776
67-66-3	Chloroform	U	3040	3040	15277	15277
71-55-6	1,1,1-Trichloroethane	U	3040	3040	17074	17074
107-06-2	1,2-Dichloroethane	U	3040	3040	12709	12709
71-43-2	Benzene	U	3040	3040	10026	10026
56-23-5	Carbon Tetrachloride	U	3040	3040	19770	19770
78-87-5	1,2-Dichloropropane	U	3040	3040	14507	14507
79-01-6	Trichloroethene		3040	50651	16818	280205
10061-01-5	c-1,3-Dichloropropene	U	3040	3040	14250	14250
108-88-3	Toluene	U	3040	3040	11824	11824
10061-02-6	t-1,3-Dichloropropene	U	3040	3040	14250	14250
79-00-5	1,1,2-Trichloroethane	U	3040	3040	17074	17074
106-93-4	1,2-Dibromoethane	U	3040	3040	24135	24135
127-18-4	Tetrachloroethene		3040	1108927	21311	7773729
108-90-7	Chlorobenzene	U	3040	3040	14507	14507
100-41-4	Ethylbenzene	U	3040	3040	13608	13608
108-38-3	m,p-Xylenes	U	3040	3040	13608	13608
100-42-5	Styrene	U	3040	3040	13351	13351
95-47-6	o-Xylene	U	3040	3040	13608	13608
79-34-5	1,1,2,2-Tetrachloroethane	U	3040	3040	21568	21568
622-96-8	4-Ethyltoluene	U	3040	3040	15405	15405
108-67-8	1,3,5-Trimethylbenzene	U	3040	3040	15405	15405
95-63-6	1,2,4-Trimethylbenzene	U	3040	3040	15405	15405
541-73-1	1,3-Dichlorobenzene	U	3040	3040	18872	18872
100-44-7	Benzyl Chloride	U	3040	3040	16304	16304
106-46-7	1,4-Dichlorobenzene	U	3040	3040	18872	18872
95-50-1	1,2-Dichlorobenzene	U	3040	3040	18872	18872
120-82-1	1,2,4-Trichlorobenzene	U	3040	3040	23236	23236
87-68-3	Hexachlorobutadiene	U	3040	3040	33507	33507

	Surrogate Recovery	Spike Amt. ppbV	Amount ppbV	% Rec.	QC Limits	Flag * = Out
2037-26-5	Toluene-d8	10.00	9.01	90	70-130	

Notes: Reported results are to be interpreted to two significant figures.
*ug/m3 calculated assuming conditions at 60 F and 1 atm.

ANALYTICAL REPORT

SDG: 200171

Analytical Method:	**TO-14**		Laboratory Number: 17
File:	0017117A.D	Date Sampled: 04/17/00	Time Sampled:
Client:	OnSite Environmental Labs, Inc.	Date Received: 04/19/00	
Description:	VP52-6 CAN#336 0.025ML	Date Analyzed: 05/01/00	Time Analyzed: 17:27
Sam_Type:	SA	Dilution Factor: 60400.00	Can#: 336
QC_Batch:	050100-MS2	Analyst: KK\CC	

CAS#	Compound	Flag	MDL ppbv	Amount ppbv	MDL ug/m3*	Amount ug/m3*
75-71-8	Freon 12	U	3020	3020	15432	15432
74-87-3	Chloromethane	U	3020	3020	6440	6440
76-14-2	Freon 114	U	3020	3020	21808	21808
75-01-4	Vinyl chloride	U	3020	3020	7971	7971
74-83-9	Bromomethane	U	3020	3020	12103	12103
75-00-3	Chloroethane	U	3020	3020	8226	8226
75-69-4	Trichlorofluoromethane	U	3020	3020	17472	17472
75-35-4	1,1-Dichloroethene	U	3020	3020	12358	12358
76-13-1	Freon 113	U	3020	3020	23849	23849
75-09-2	Dichloromethane	U	3020	3020	10828	10828
75-34-3	1,1-Dichloroethane	U	3020	3020	12626	12626
156-59-2	c-1,2-Dichloroethene		3020	30237	12358	123730
67-66-3	Chloroform	U	3020	3020	15177	15177
71-55-6	1,1,1-Trichloroethane	U	3020	3020	16962	16962
107-06-2	1,2-Dichloroethane	U	3020	3020	12626	12626
71-43-2	Benzene	U	3020	3020	9960	9960
56-23-5	Carbon Tetrachloride	U	3020	3020	19640	19640
78-87-5	1,2-Dichloropropane	U	3020	3020	14411	14411
79-01-6	Trichloroethene		3020	35325	16707	195423
10061-01-5	c-1,3-Dichloropropene	U	3020	3020	14156	14156
108-88-3	Toluene	U	3020	3020	11746	11746
10061-02-6	t-1,3-Dichloropropene	U	3020	3020	14156	14156
79-00-5	1,1,2-Trichloroethane	U	3020	3020	16962	16962
106-93-4	1,2-Dibromoethane	U	3020	3020	23976	23976
127-18-4	Tetrachloroethene		3020	1019060	21171	7143747
108-90-7	Chlorobenzene	U	3020	3020	14411	14411
100-41-4	Ethylbenzene	U	3020	3020	13519	13519
108-38-3	m,p-Xylenes	U	3020	3020	13519	13519
100-42-5	Styrene	U	3020	3020	13264	13264
95-47-6	o-Xylene	U	3020	3020	13519	13519
79-34-5	1,1,2,2-Tetrachloroethane	U	3020	3020	21426	21426
622-96-8	4-Ethyltoluene	U	3020	3020	15304	15304
108-67-8	1,3,5-Trimethylbenzene	U	3020	3020	15304	15304
95-63-6	1,2,4-Trimethylbenzene	U	3020	3020	15304	15304
541-73-1	1,3-Dichlorobenzene	U	3020	3020	18747	18747
100-44-7	Benzyl Chloride	U	3020	3020	16197	16197
106-46-7	1,4-Dichlorobenzene	U	3020	3020	18747	18747
95-50-1	1,2-Dichlorobenzene	U	3020	3020	18747	18747
120-82-1	1,2,4-Trichlorobenzene	U	3020	3020	23084	23084
87-68-3	Hexachlorobutadiene	U	3020	3020	33286	33286

	Surrogate Recovery	Spike Amt. ppbV	Amount ppbV	% Rec.	QC Limits	Flag * = Out
2037-26-5	Toluene-d8	10.00	9.00	90	70-130	

Notes: Reported results are to be interpreted to two significant figures.
*ug/m3 calculated assuming conditions at 60 F and 1 atm.

ANALYTICAL REPORT

SDG: 200171

Analytical Method:	**TO-14**		Laboratory Number: 19
File:	0017119A.D	Date Sampled: 04/17/00	Time Sampled:
Client:	OnSite Environmental Labs, Inc.	Date Received: 04/19/00	
Description:	VP58-0.25 CAN#306 0.25ML	Date Analyzed: 05/03/00	Time Analyzed: 20:55
Sam_Type:	SA	Dilution Factor: 5720.00	Can#: 306
QC_Batch:	050300-MS2	Analyst: KK	

CAS#	Compound	Flag	MDL ppbv	Amount ppbv	MDL ug/m3*	Amount ug/m3*
75-71-8	Freon 12	U	286.00	286.00	1461.40	1461.40
74-87-3	Chloromethane	U	286.00	286.00	609.92	609.92
76-14-2	Freon 114	U	286.00	286.00	2065.29	2065.29
75-01-4	Vinyl chloride	U	286.00	286.00	754.86	754.86
74-83-9	Bromomethane	U	286.00	286.00	1146.17	1146.17
75-00-3	Chloroethane	U	286.00	286.00	779.01	779.01
75-69-4	Trichlorofluoromethane	U	286.00	286.00	1654.65	1654.65
75-35-4	1,1-Dichloroethene	U	286.00	286.00	1170.33	1170.33
76-13-1	Freon 113	U	286.00	286.00	2258.53	2258.53
75-09-2	Dichloromethane	U	286.00	286.00	1025.40	1025.40
75-34-3	1,1-Dichloroethane	U	286.00	286.00	1195.69	1195.69
156-59-2	c-1,2-Dichloroethene	U	286.00	286.00	1170.33	1170.33
67-66-3	Chloroform	U	286.00	286.00	1437.25	1437.25
71-55-6	1,1,1-Trichloroethane	U	286.00	286.00	1606.33	1606.33
107-06-2	1,2-Dichloroethane	U	286.00	286.00	1195.69	1195.69
71-43-2	Benzene	U	286.00	286.00	943.27	943.27
56-23-5	Carbon Tetrachloride	U	286.00	286.00	1859.97	1859.97
78-87-5	1,2-Dichloropropane	U	286.00	286.00	1364.78	1364.78
79-01-6	Trichloroethene		286.00	820.69	1582.18	4540.13
10061-01-5	c-1,3-Dichloropropene	U	286.00	286.00	1340.63	1340.63
108-88-3	Toluene		286.00	7692.79	1112.36	29920.01
10061-02-6	t-1,3-Dichloropropene	U	286.00	286.00	1340.63	1340.63
79-00-5	1,1,2-Trichloroethane	U	286.00	286.00	1606.33	1606.33
106-93-4	1,2-Dibromoethane	U	286.00	286.00	2270.61	2270.61
127-18-4	Tetrachloroethene	B	286.00	21526.95	2004.90	150906.84
108-90-7	Chlorobenzene	U	286.00	286.00	1364.78	1364.78
100-41-4	Ethylbenzene	U	286.00	286.00	1280.24	1280.24
108-38-3	m,p-Xylenes		286.00	498.26	1280.24	2230.39
100-42-5	Styrene	U	286.00	286.00	1256.08	1256.08
95-47-6	o-Xylene	U	286.00	286.00	1280.24	1280.24
79-34-5	1,1,2,2-Tetrachloroethane	U	286.00	286.00	2029.05	2029.05
622-96-8	4-Ethyltoluene	U	286.00	286.00	1449.32	1449.32
108-67-8	1,3,5-Trimethylbenzene	U	286.00	286.00	1449.32	1449.32
95-63-6	1,2,4-Trimethylbenzene	U	286.00	286.00	1449.32	1449.32
541-73-1	1,3-Dichlorobenzene	U	286.00	286.00	1775.42	1775.42
100-44-7	Benzyl Chloride	U	286.00	286.00	1533.87	1533.87
106-46-7	1,4-Dichlorobenzene	U	286.00	286.00	1775.42	1775.42
95-50-1	1,2-Dichlorobenzene	U	286.00	286.00	1775.42	1775.42
120-82-1	1,2,4-Trichlorobenzene	U	286.00	286.00	2186.06	2186.06
87-68-3	Hexachlorobutadiene	U	286.00	286.00	3152.28	3152.28

	Surrogate Recovery	Spike Amt. ppbV	Amount ppbV	% Rec.	QC Limits	Flag * = Out
2037-26-5	Toluene-d8	10.00	11.20	112	70-130	

Notes: Reported results are to be interpreted to two significant figures.
*ug/m3 calculated assuming conditions at 60 F and 1 atm.

ANALYTICAL REPORT

SDG: 200171

Analytical Method:	**TO-14**		Laboratory Number: 20
File:	0017120A.D	Date Sampled: 04/17/00	Time Sampled:
Client:	OnSite Environmental Labs, Inc.	Date Received: 04/19/00	
Description:	VP58-1.5 CAN#386 0.5ML	Date Analyzed: 05/03/00	Time Analyzed: 20:04
Sam_Type:	SA	Dilution Factor: 2900.00	Can#: 386
QC_Batch:	050300-MS2	Analyst: KK	

CAS#	Compound	Flag	MDL ppbv	Amount ppbv	MDL ug/m3*	Amount ug/m3*
75-71-8	Freon 12	U	145.00	145.00	740.92	740.92
74-87-3	Chloromethane	U	145.00	145.00	309.23	309.23
76-14-2	Freon 114	U	145.00	145.00	1047.09	1047.09
75-01-4	Vinyl chloride	U	145.00	145.00	382.71	382.71
74-83-9	Bromomethane	U	145.00	145.00	581.10	581.10
75-00-3	Chloroethane	U	145.00	145.00	394.95	394.95
75-69-4	Trichlorofluoromethane	U	145.00	145.00	838.89	838.89
75-35-4	1,1-Dichloroethene	U	145.00	145.00	593.35	593.35
76-13-1	Freon 113	U	145.00	145.00	1145.06	1145.06
75-09-2	Dichloromethane	U	145.00	145.00	519.87	519.87
75-34-3	1,1-Dichloroethane	U	145.00	145.00	606.21	606.21
156-59-2	c-1,2-Dichloroethene		145.00	231.64	593.35	947.90
67-66-3	Chloroform	U	145.00	145.00	728.67	728.67
71-55-6	1,1,1-Trichloroethane	U	145.00	145.00	814.40	814.40
107-06-2	1,2-Dichloroethane	U	145.00	145.00	606.21	606.21
71-43-2	Benzene	U	145.00	145.00	478.23	478.23
56-23-5	Carbon Tetrachloride	U	145.00	145.00	942.99	942.99
78-87-5	1,2-Dichloropropane	U	145.00	145.00	691.93	691.93
79-01-6	Trichloroethene		145.00	756.24	802.15	4183.62
10061-01-5	c-1,3-Dichloropropene	U	145.00	145.00	679.69	679.69
108-88-3	Toluene		145.00	1605.18	563.96	6243.12
10061-02-6	t-1,3-Dichloropropene	U	145.00	145.00	679.69	679.69
79-00-5	1,1,2-Trichloroethane	U	145.00	145.00	814.40	814.40
106-93-4	1,2-Dibromoethane	U	145.00	145.00	1151.18	1151.18
127-18-4	Tetrachloroethene	B	145.00	12844.49	1016.47	90041.60
108-90-7	Chlorobenzene	U	145.00	145.00	691.93	691.93
100-41-4	Ethylbenzene	U	145.00	145.00	649.07	649.07
108-38-3	m,p-Xylenes		145.00	359.53	649.07	1609.38
100-42-5	Styrene	U	145.00	145.00	636.82	636.82
95-47-6	o-Xylene	U	145.00	145.00	649.07	649.07
79-34-5	1,1,2,2-Tetrachloroethane	U	145.00	145.00	1028.72	1028.72
622-96-8	4-Ethyltoluene	U	145.00	145.00	734.80	734.80
108-67-8	1,3,5-Trimethylbenzene	U	145.00	145.00	734.80	734.80
95-63-6	1,2,4-Trimethylbenzene	U	145.00	145.00	734.80	734.80
541-73-1	1,3-Dichlorobenzene	U	145.00	145.00	900.13	900.13
100-44-7	Benzyl Chloride	U	145.00	145.00	777.66	777.66
106-46-7	1,4-Dichlorobenzene	U	145.00	145.00	900.13	900.13
95-50-1	1,2-Dichlorobenzene	U	145.00	145.00	900.13	900.13
120-82-1	1,2,4-Trichlorobenzene	U	145.00	145.00	1108.32	1108.32
87-68-3	Hexachlorobutadiene	U	145.00	145.00	1598.18	1598.18

	Surrogate Recovery	Spike Amt. ppbV	Amount ppbV	% Rec.	QC Limits	Flag * = Out
2037-26-5	Toluene-d8	10.00	10.84	108	70-130	

Notes: Reported results are to be interpreted to two significant figures.
*ug/m3 calculated assuming conditions at 60 F and 1 atm.

ANALYTICAL REPORT

SDG: 200171

Analytical Method: TO-14 — Laboratory Number: 21

File:	0017121C.D	Date Sampled: 04/17/00	Time Sampled:
Client:	OnSite Environmental Labs, Inc.	Date Received: 04/19/00	
Description:	VP58-5 CAN#310 0.025ML	Date Analyzed: 05/02/00	Time Analyzed: 17:01
Sam_Type:	SA	Dilution Factor: 116800.00	Can#: 310
QC_Batch:	050200-MS2	Analyst: KK	

CAS#	Compound	Flag	MDL ppbv	Amount ppbv	MDL ug/m3*	Amount ug/m3*
75-71-8	Freon 12	U	5840	5840	29841	29841
74-87-3	Chloromethane	U	5840	5840	12454	12454
76-14-2	Freon 114	U	5840	5840	42172	42172
75-01-4	Vinyl chloride	U	5840	5840	15414	15414
74-83-9	Bromomethane	U	5840	5840	23404	23404
75-00-3	Chloroethane	U	5840	5840	15907	15907
75-69-4	Trichlorofluoromethane	U	5840	5840	33787	33787
75-35-4	1,1-Dichloroethene	U	5840	5840	23898	23898
76-13-1	Freon 113	U	5840	5840	46118	46118
75-09-2	Dichloromethane	U	5840	5840	20938	20938
75-34-3	1,1-Dichloroethane	U	5840	5840	24416	24416
156-59-2	c-1,2-Dichloroethene		5840	161723	23898	661780
67-66-3	Chloroform	U	5840	5840	29348	29348
71-55-6	1,1,1-Trichloroethane	U	5840	5840	32801	32801
107-06-2	1,2-Dichloroethane	U	5840	5840	24416	24416
71-43-2	Benzene	U	5840	5840	19261	19261
56-23-5	Carbon Tetrachloride	U	5840	5840	37980	37980
78-87-5	1,2-Dichloropropane	U	5840	5840	27868	27868
79-01-6	Trichloroethene		5840	170063	32307	940803
10061-01-5	c-1,3-Dichloropropene	U	5840	5840	27375	27375
108-88-3	Toluene	U	5840	5840	22714	22714
10061-02-6	t-1,3-Dichloropropene	U	5840	5840	27375	27375
79-00-5	1,1,2-Trichloroethane	U	5840	5840	32801	32801
106-93-4	1,2-Dibromoethane	U	5840	5840	46365	46365
127-18-4	Tetrachloroethene	B	5840	2031295	40939	14239650
108-90-7	Chlorobenzene	U	5840	5840	27868	27868
100-41-4	Ethylbenzene	U	5840	5840	26142	26142
108-38-3	m,p-Xylenes	U	5840	5840	26142	26142
100-42-5	Styrene	U	5840	5840	25649	25649
95-47-6	o-Xylene	U	5840	5840	26142	26142
79-34-5	1,1,2,2-Tetrachloroethane	U	5840	5840	41432	41432
622-96-8	4-Ethyltoluene	U	5840	5840	29595	29595
108-67-8	1,3,5-Trimethylbenzene	U	5840	5840	29595	29595
95-63-6	1,2,4-Trimethylbenzene	U	5840	5840	29595	29595
541-73-1	1,3-Dichlorobenzene	U	5840	5840	36253	36253
100-44-7	Benzyl Chloride	U	5840	5840	31321	31321
106-46-7	1,4-Dichlorobenzene	U	5840	5840	36253	36253
95-50-1	1,2-Dichlorobenzene	U	5840	5840	36253	36253
120-82-1	1,2,4-Trichlorobenzene	U	5840	5840	44639	44639
87-68-3	Hexachlorobutadiene	U	5840	5840	64368	64368

	Surrogate Recovery	Spike Amt. ppbV	Amount ppbV	% Rec.	QC Limits	Flag * = Out
2037-26-5	Toluene-d8	10.00	9.73	97	70-130	

Notes: Reported results are to be interpreted to two significant figures.
*ug/m3 calculated assuming conditions at 60 F and 1 atm.

ANALYTICAL REPORT

SDG: 200171

Analytical Method:	**TO-14**		Laboratory Number: 22
File:	0017122A.D	Date Sampled: 04/17/00	Time Sampled:
Client:	OnSite Environmental Labs, Inc.	Date Received: 04/19/00	
Description:	VP58-7 CAN#335 0.025ML	Date Analyzed: 05/02/00	Time Analyzed: 17:55
Sam_Type:	SA	Dilution Factor: 116000.00	Can#: 335
QC_Batch:	050200-MS2	Analyst: KK/RK	

CAS#	Compound	Flag	MDL ppbv	Amount ppbv	MDL ug/m3*	Amount ug/m3*
75-71-8	Freon 12	U	5800	5800	29637	29637
74-87-3	Chloromethane	U	5800	5800	12369	12369
76-14-2	Freon 114	U	5800	5800	41883	41883
75-01-4	Vinyl chloride	U	5800	5800	15308	15308
74-83-9	Bromomethane	U	5800	5800	23244	23244
75-00-3	Chloroethane	U	5800	5800	15798	15798
75-69-4	Trichlorofluoromethane	U	5800	5800	33556	33556
75-35-4	1,1-Dichloroethene	U	5800	5800	23734	23734
76-13-1	Freon 113	U	5800	5800	45802	45802
75-09-2	Dichloromethane	U	5800	5800	20795	20795
75-34-3	1,1-Dichloroethane	U	5800	5800	24248	24248
156-59-2	c-1,2-Dichloroethene		5800	208558	23734	853431
67-66-3	Chloroform	U	5800	5800	29147	29147
71-55-6	1,1,1-Trichloroethane	U	5800	5800	32576	32576
107-06-2	1,2-Dichloroethane	U	5800	5800	24248	24248
71-43-2	Benzene	U	5800	5800	19129	19129
56-23-5	Carbon Tetrachloride	U	5800	5800	37720	37720
78-87-5	1,2-Dichloropropane	U	5800	5800	27677	27677
79-01-6	Trichloroethene		5800	242184	32086	1339784
10061-01-5	c-1,3-Dichloropropene	U	5800	5800	27188	27188
108-88-3	Toluene	U	5800	5800	22558	22558
10061-02-6	t-1,3-Dichloropropene	U	5800	5800	27188	27188
79-00-5	1,1,2-Trichloroethane	U	5800	5800	32576	32576
106-93-4	1,2-Dibromoethane	U	5800	5800	46047	46047
127-18-4	Tetrachloroethene	E	5800	2428326	40659	17022891
108-90-7	Chlorobenzene	U	5800	5800	27677	27677
100-41-4	Ethylbenzene	U	5800	5800	25963	25963
108-38-3	m,p-Xylenes	U	5800	5800	25963	25963
100-42-5	Styrene	U	5800	5800	25473	25473
95-47-6	o-Xylene	U	5800	5800	25963	25963
79-34-5	1,1,2,2-Tetrachloroethane	U	5800	5800	41149	41149
622-96-8	4-Ethyltoluene	U	5800	5800	29392	29392
108-67-8	1,3,5-Trimethylbenzene	U	5800	5800	29392	29392
95-63-6	1,2,4-Trimethylbenzene	U	5800	5800	29392	29392
541-73-1	1,3-Dichlorobenzene	U	5800	5800	36005	36005
100-44-7	Benzyl Chloride	U	5800	5800	31106	31106
106-46-7	1,4-Dichlorobenzene	U	5800	5800	36005	36005
95-50-1	1,2-Dichlorobenzene	U	5800	5800	36005	36005
120-82-1	1,2,4-Trichlorobenzene	U	5800	5800	44333	44333
87-68-3	Hexachlorobutadiene	U	5800	5800	63927	63927

	Surrogate Recovery	Spike Amt. ppbV	Amount ppbV	% Rec.	QC Limits	Flag * = Out
2037-26-5	Toluene-d8	10.00	11.31	113	70-130	

Notes: Reported results are to be interpreted to two significant figures.
*ug/m3 calculated assuming conditions at 60 F and 1 atm.

ANALYTICAL REPORT

EPA TO-14 by GC/MS SIM		Laboratory Number:	200171-6
File:	0017106A.D	Date Sampled:	04/17/00
Client:	ONSITE ENVIRONMENTAL LABS, INC	Date Analyzed:	05/15/00
Description:	VP11-2 CAN#314 10ML		
Analyst:	KK	QC Batch:	051500-SM2

Compound	MDL ppbv	Amount ppbv	MDL ug/m3	Amount ug/m3*	Flag
Vinyl chloride	0.414	100.430	1.093	265.071	

Notes: ND = Not detected at or above the listed minimum detection limit (MDL).
Reported results are to be interpreted to two significant figures.
*ug/m3 calculated assuming conditions at 60 F and 1 atm.

Form I-AAVC

ANALYTICAL REPORT

EPA TO-14 by GC/MS SIM

Laboratory Number: 200171-13

File: 0017113A.D
Client: ONSITE ENVIRONMENTAL LABS, INC
Description: VP52-0.25 CAN#659 10ML
Analyst: KK

Date Sampled: 04/17/00
Date Analyzed: 05/15/00
QC Batch: 051500-MS2

Compound	MDL ppbv	Amount ppbv	MDL ug/m3	Amount ug/m3*	Flag
Vinyl chloride	0.581	1.486	1.535	3.923	

Notes: ND = Not detected at or above the listed minimum detection limit (MDL).
Reported results are to be interpreted to two significant figures.
*ug/m3 calculated assuming conditions at 60 F and 1 atm.

Form I-AAVC

ANALYTICAL REPORT

EPA TO-14 by GC/MS SIM		Laboratory Number:	200171-14
File:	0017114A.D	Date Sampled:	04/17/00
Client:	ONSITE ENVIRONMENTAL LABS, INC	Date Analyzed:	05/15/00
Description:	VP52-0.25 DUP CAN#698 10ML		
Analyst:	KK	QC Batch:	051500-MS2

Compound	MDL ppbv	Amount ppbv	MDL ug/m3	Amount ug/m3*	Flag
Vinyl chloride	0.585	0.933	1.545	2.463	

Notes: ND = Not detected at or above the listed minimum detection limit (MDL).
Reported results are to be interpreted to two significant figures.
*ug/m3 calculated assuming conditions at 60 F and 1 atm.

Form I-AAVC

ANALYTICAL REPORT

EPA TO-14 by GC/MS SIM		Laboratory Number:	200171-18
File:	0017118A.D	Date Sampled:	04/17/00
Client:	OnSite Environmental Labs, Inc.	Date Analyzed:	05/05/00
Description:	Air 6 CAN#710 10ML		
Analyst:	KK	QC Batch:	050500-SM2

Compound	MDL ppbv	Amount ppbv	MDL ug/m3	Amount ug/m3*	Flag
vinyl chloride	0.278	0.315	0.734	0.832	

Notes: ND = Not detected at or above the listed minimum detection limit (MDL).
Reported results are to be interpreted to two significant figures.
*ug/m3 calculated assuming conditions at 60 F and 1 atm.

Form I-AAVC

ANALYTICAL REPORT

EPA TO-14 by GC/MS SIM		Laboratory Number:	200171-19
File:	0017119A.D	Date Sampled:	04/17/00
Client:	OnSite Environmental Labs, Inc.	Date Analyzed:	05/05/00
Description:	VP58-0.25 CAN#306 10ML		
Analyst:	KK	QC Batch:	050500-SM2

Compound	MDL ppbv	Amount ppbv	MDL ug/m3	Amount ug/m3*	Flag
vinyl chloride	0.286	0.754	0.755	1.990	

Notes: ND = Not detected at or above the listed minimum detection limit (MDL).
Reported results are to be interpreted to two significant figures.
*ug/m3 calculated assuming conditions at 60 F and 1 atm.

Form I-AAVC

DATA QUALIFIERS AND ABBREVIATIONS

ENVIRONMENTAL
Analytical Service, Inc.

*	See Case Narrative
B	This compound was also detected in the blank
D	This report was calculated from a secondary dilution factor
E	Compound exceeds the calibration range and is an estimated value
J	The amount reported is an estimated value as it is below the reported MDL
F	Higher detection limit due to sample matrix
G	Higher detection limit due to limited sample size
Q	Compound ion ratio qualifiers are outside the standard acceptance criteria
R	Compound retention time (RT) is outside the acceptance criteria for the method
MDL	Minimum Detection Limit – Instrument detection limit

The minimum detectable level (MDL) is the lowest concentration of a substance that can be measured with confidence. The MDL is calculated at the 99% confidence level from seven repetitive measurements on a sample whose concentration does not exceed 10 times the estimated MDL (Glasser et. al. 1981; Long and Winefordner, 1983). Generating an MDL study, a sample is prepared in the appropriate matrix with components near the estimated MDL, which is about 3 times the instrument noise level. This sample is run seven consecutive times and the standard deviation (S) is calculated. The MDL is determined using the following formula:

$$MDL = 3.14 * S$$

ND	Not Detected – a reported limit
U	Not Detected – a reported limit
NA	Not Applicable
RPD	Relative Percent Difference

The relative percent difference for a pair of duplicate samples is calculated from repetitive runs on sample pairs representative of the types of samples that are analyzed. The RPD provides information on the precision or reproducibility of the actual measurement process. The RPD is calculated for a particular compound from the average using the following formula:

$$RPD(\%) = \frac{\text{Difference} * 100}{\text{Average}}$$

RSD Relative Standard Deviation

The relative standard deviation is reported as a percentage deviation at a particular concentration using the following equation:

$$RSD(\%) = \frac{S * 100}{\text{Average}}$$

DATA QUALIFIERS AND ABBREVIATIONS

ENVIRONMENTAL
Analytical Service, Inc.

*	See Case Narrative
B	This compound was also detected in the blank
D	This report was calculated from a secondary dilution factor
E	Compound exceeds the calibration range and is an estimated value
J	The amount reported is an estimated value as it is below the reported MDL
F	Higher detection limit due to sample matrix
G	Higher detection limit due to limited sample size
Q	Compound ion ratio qualifiers are outside the standard acceptance criteria
R	Compound retention time (RT) is outside the acceptance criteria for the method

MDL Minimum Detection Limit – Instrument detection limit

The minimum detectable level (MDL) is the lowest concentration of a substance that can be measured with confidence. The MDL is calculated at the 99% confidence level from seven repetitive measurements on a sample whose concentration does not exceed 10 times the estimated MDL (Glasser et. al. 1981; Long and Winefordner, 1983). Generating an MDL study, a sample is prepared in the appropriate matrix with components near the estimated MDL, which is about 3 times the instrument noise level. This sample is run seven consecutive times and the standard deviation (S) is calculated. The MDL is determined using the following formula:

$$MDL = 3.14 * S$$

ND	Not Detected – a reported limit
U	Not Detected – a reported limit
NA	Not Applicable

RPD Relative Percent Difference

The relative percent difference for a pair of duplicate samples is calculated from repetitive runs on sample pairs representative of the types of samples that are analyzed. The RPD provides information on the precision or reproducibility of the actual measurement process. The RPD is calculated for a particular compound from the average using the following formula:

$$RPD(\%) = \frac{\text{Difference} * 100}{\text{Average}}$$

RSD Relative Standard Deviation

The relative standard deviation is reported as a percentage deviation at a particular concentration using the following equation:

$$RSD(\%) = \frac{S * 100}{\text{Average}}$$

ENVIRONMENTAL
Analytical Service, Inc.

173 Cross Street
San Luis Obispo, CA
93401 - 7597
805.781.3585
Fax 805.541.4550

DB

CHAIN OF CUSTODY RECORD

Project Number 32-0039 | Project Name: GWCC | Quote Number:

REPORT TO:

Company Terra Vac
Address 23106 100th Ave West
City/State/Zip Edmonds, WA 98020-5018
Phone 425-697-5131 (FAX) 425-697-6211
ATTENTION Mr. Peter Cattarall

MATRIX LEGEND
A - Ambient Air, Low Level
I - Indoor Air
S - Source Air, High Level
G - Gas/Product

	SAMPLE DESCRIPTION	SAMPLE DATE	SAMPLE TIME	CANISTER NUMBER	COMP	GRAB	MATRIX A	MATRIX I	MATRIX S	MATRIX G	INITIAL PRESSURE	FINAL PRESSURE	EAS LABORATORY ID	ANALYTICAL TESTS: VINYL CHLORIDE - SIMS	HC SPECIATION	TO-14	METHANE - LOW LEVEL		REMARKS
17	VP52-6	4-17-00	1400	336		X			X		-30	-5.8				X	Ø			Please Call
18	Air 6		1624	710		X	X				-30	-3.6		X			Ø			Mr. Cattarall
19	VP58-0.25		1451	306		X			X		-29.8	-4.2		⊗	●	X	O			for Analytical
20	VP58-1.5		1458	386		X			X		-30	-4.8				✓	Ø			
21	VP58-5		1505	310		X			X		-30	-4.8				X	Ø			
22	VP58-7	″	1512	335		X			X		-30	-4.0				X	Ø			

COMMENTS ⊗ Added 5/4/00. DB ● Added 5/5/00. DB O Added 5/9/00. DB.
Ø Added 5/11/00. DB.

BILLING INFORMATION

Company
Address
City/State/Zip
ATTENTION
Purchase Order/Billing Reference

SAMPLED BY: James Orr	Date 4-18-00 Time	Received by:	Date Time 4/18/00 8:37
Relinquished By: James Orr	Date Time	Received by:	Date Time
Relinquished By:	Date Time	Received by:	Date Time
Relinquished By:	Date Time	Received for lab by:	Date Time

Chain 3 of 3

ENVIRONMENTAL
Analytical Service, Inc.

173 Cross Street
San Luis Obispo, CA
93401 - 7597
805.781.3585
Fax 805.541.4550

DB

CHAIN OF CUSTODY RECORD

Project Number: 32-0039 | Project Name: GWCC | Quote Number:

REPORT TO:

Company: Terra Vac
Address: 23106 100th Ave West
City/State/Zip: Edmonds, WA 98020-5018
Phone: 425-697-5131 (FAX) 425-697-6211
ATTENTION: Mr. Peter Catterall

MATRIX LEGEND: A - Ambient Air, Low Level; I - Indoor Air; S - Source Air, High Level; G - Gas/Product

	SAMPLE DESCRIPTION	SAMPLE DATE	SAMPLE TIME	CANISTER NUMBER	COMP	GRAB	MATRIX A	MATRIX I	MATRIX S	MATRIX G	INITIAL PRESSURE	FINAL PRESSURE	LAB LABORATORY ID	ANALYTICAL TESTS: TO-14	V.C. SMMS	I.C. SPECIATION METHANE - LOW INCT			REMARKS
9	VP44-1	4-17-00	1134	329		X			X		-28.6	-6.4		X			Ø		Please Call
10	VP44-3	"	1143	333							-28.2	-5.8		X			Ø		Mr. Catterall
11	VP44-6	"	1152	300							-28.6	-5.0		X			Ø		for Analytical
12	VP44-8	"	1203	379							-28.4	-4.8		X			Ø		
13	VP52-0.25	"	1328	659							-30	-6.0		X	*	*	*		
14	VP52-0.25DUP	"	1335	698							-30	-6.0		X	*	*	*		
15	VP52-2	"	1342	346							-30	-6.0		X			Ø		
16	VP52-4	"	1352	304							-30	-5.8		X			Ø		

COMMENTS: 10a 10a

BILLING INFORMATION

Company
Address
City/State/Zip
ATTENTION
Purchase Order/Billing Reference

SAMPLED BY: James Orr	Date 4-18-00	Time	Received by:	Date 4/18/00 Time 8:37
Relinquished By: James Orr	Date	Time	Received by:	Date Time
Relinquished By:	Date	Time	Received by:	Date Time
Relinquished By:	Date	Time	Received for lab by:	Date Time

* - Added 5/10/00 - DB Ø Added 5/11/00 - DB

ENVIRONMENTAL
Analytical Service, Inc.

173 Cross Street
San Luis Obispo, CA
93401 - 7597
805.781.3585
Fax 805.541.4550

DB

CHAIN OF CUSTODY RECORD

JA

Project Number 32-0039 | Project Name: GWCC | Quote Number:

REPORT TO:

Company Terra Vac
Address 23106 100th Ave West
City/State/Zip Edmonds, WA 98020-5018
Phone 425-697-5131 (FAX) 425-697-6211
ATTENTION Mr. Peter Cattarall

MATRIX LEGEND: A – Ambient Air, Low Level; I – Indoor Air; S – Source Air, High Level; G – Gas/Product

	SAMPLE DESCRIPTION	SAMPLE DATE	SAMPLE TIME	CANISTER NUMBER	COMP	GRAB	MATRIX A	MATRIX I	MATRIX S	MATRIX G	INITIAL PRESSURE	FINAL PRESSURE	EAS LABORATORY ID	TO-14	V.C. SIMS	H.C. SPECIATION	METHANE – LOW LEVEL		REMARKS
1	VP10A-0.25	4-17-00	0930	377		X			X		-28.2	-5.8		X			①		Please Call
2	VP10A-2		0940	323							-28.4	-5.4		X			①		Mr. Catterall
3	VP10A-4.5		0950	309							-28.3	-5.6		X			①		for Analytical
4	VP10A-6.5		1002	357							-27.8	-6.0		X			①		
5	VP11-0.25		1036	362							-29.2	-6.0		X			①		
6	VP11-2		1043	314							-29.4	-6.2		X	*	*	*		
7	VP11-4.5		1053	322							-29.2	-6.0		X			①		
8	VP11-6.5	↓	1103	367		↓			↓		-28.6	-6.0		X			①		

COMMENTS: JA JA

BILLING INFORMATION

Company
Address
City/State/Zip
ATTENTION
Purchase Order/Billing Reference

SAMPLED BY: James Orr	Date 4/18/00 Time	Received By:	Date 4/18/00 Time 8:37
Relinquished By: James Orr	Date Time	Received by:	Date Time
Relinquished By:	Date Time	Received by:	Date Time
Relinquished By:	Date Time	Received for lab by:	Date Time

① Added 5/1/00. DB

* Added 5/10/00. DB

Chain 1 of 3

ANALYTICAL REPORT

EPA TO-14 GC/FID Hydrocarbon Speciation C2-C6

Laboratory No.: 200171-6

File : 0017106A.D
Client: OnSite Environmental Labs, Inc.
Client ID: VP11-2
Can # : 314

Sampled: 4/17/00
Analyzed: 5/10/00
Analyst: AK

	ppbC	%
TNMHC*	285409.60	
Sum Id	4977.04	1.74
Sum Unid	280432.57	98.26

*Total Non-Methane Hydrocarbon

TNMHC as hexane ppbV	47568.3
TNMHC as hexane ug/m3	173118.0
C6+ NMHC ppbC	262846.3
C6+ NMHC as Hexane ppbV	43807.72
C6+ NMHC as Hexane ug/m3	159432.0

Compound	MDL ppbV	Amount ppbV	Amount ug/m3
Ethene	10.40	79.09	93.68
Acetylene	10.40	80.53	88.55
Ethane	10.40	994.28	1262.58
Propene	6.93	32.59	57.92
Propane	6.93	144.78	269.63
i-Butane	5.20	47.74	117.16
IsoButene	5.20	ND	ND
1-Butene	5.20	30.48	72.23
n-Butane	5.20	82.34	202.10
t-2-Butene	5.20	23.33	55.28
c-2-Butene	5.20	16.52	39.14
3-Methyl-1-butene	4.16	8.87	26.27
i-Pentane	4.16	21.83	66.50
1-Pentene	4.16	32.57	96.48
n-Pentane	4.16	38.54	117.42
t-2-Pentene	4.16	8.85	26.23
c-2-Pentene	4.16	6.95	20.58
2-Methyl-2-butene	4.16	9.31	27.57
2,2-Dimethylbutane	3.47	ND	ND
Cyclopentene	4.16	4.25	12.24
Cyclopentane	4.16	42.91	127.11
2,3-Dimethylbutane	3.47	ND	ND
2-Methylpentane	3.47	6.89	25.06
3-Methylpentane	3.47	5.07	18.45
n-Hexane	3.47	19.06	69.36
t-2-Hexene	3.47	ND	ND
2-Methyl-2-pentene	3.47	10.49	37.30

Lab number: 200171-6

Compound	MDL ppbV	Amount ppbV	Amount ug/m3
c-2-Hexene	3.47	ND	ND
Methylcyclopentane	3.47	5.50	19.55
2,4-Dimethylpentane	2.97	3.67	15.51
Benzene	3.47	22.35	73.73
Cyclohexane	3.47	3.87	13.76

Notes: ND = Not detected at or above the listed minimum detection limit (MDL).
Reported results are to be interpreted to two significant figures.
*ug/m3 calculated assuming conditions at 60 F and 1 atm.

FORM I-AAVC

ANALYTICAL REPORT

EPA TO-14 GC/FID Hydrocarbon Speciation C2-C6

Laboratory No.: 200171-13

File : 0017113A.D
Client: OnSite Environmental Labs, Inc.
Client ID: VP52-0.25
Can # : 659

Sampled: 4/17/00
Analyzed: 5/10/00
Analyst: AK

	ppbC	%		
TNMHC*	89726.49		TNMHC as hexane ppbV	14954.4
Sum Id	25841.11	28.80	TNMHC as hexane ug/m3	54424.5
Sum Unid	63885.38	71.20	C6+ NMHC ppbC	55233.0
			C6+ NMHC as Hexane ppbV	9205.51
*Total Non-Methane Hydrocarbon			C6+ NMHC as Hexane ug/m3	33502.1

Compound	MDL ppbV	Amount ppbV	Amount ug/m3
Ethene	7.65	112.15	132.84
Acetylene	7.65	10.63	11.69
Ethane	7.65	244.20	310.09
Propene	5.10	77.25	137.28
Propane	5.10	3328.75	6199.24
i-Butane	3.83	138.58	340.12
IsoButene	3.83	15.67	37.13
1-Butene	3.83	18.62	44.12
n-Butane	3.83	3413.55	8378.19
t-2-Butene	3.83	7.91	18.73
c-2-Butene	3.83	6.85	16.23
3-Methyl-1-butene	3.06	ND	ND
i-Pentane	3.06	19.63	59.81
1-Pentene	3.06	11.97	35.45
n-Pentane	3.06	13.75	41.90
t-2-Pentene	3.06	ND	ND
c-2-Pentene	3.06	ND	ND
2-Methyl-2-butene	3.06	3.33	9.86
2,2-Dimethylbutane	2.55	ND	ND
Cyclopentene	3.06	ND	ND
Cyclopentane	3.06	ND	ND
2,3-Dimethylbutane	2.55	ND	ND
2-Methylpentane	2.55	3.46	12.60
3-Methylpentane	2.55	3.71	13.51
n-Hexane	2.55	6.25	22.76
t-2-Hexene	2.55	ND	ND
2-Methyl-2-pentene	2.55	ND	ND

Lab number: 200171-13

Compound	MDL ppbV	Amount ppbV	Amount ug/m3
c-2-Hexene	2.55	ND	ND
Methylcyclopentane	2.55	ND	ND
2,4-Dimethylpentane	2.19	12.30	52.06
Benzene	2.55	9.87	32.56
Cyclohexane	2.55	ND	ND

Notes: ND = Not detected at or above the listed minimum detection limit (MDL).
Reported results are to be interpreted to two significant figures.
*ug/m3 calculated assuming conditions at 60 F and 1 atm.

FORM I-AAVC

ANALYTICAL REPORT

EPA TO-14 GC/FID Hydrocarbon Speciation C2-C6

Laboratory No.: 200171-14

File : 0017114A.D
Client: OnSite Environmental Labs, Inc.
Client ID: VP52-0.25 DUP
Can # : 698

Sampled: 4/17/00
Analyzed: 5/11/00
Analyst: AK

	ppbC	%		
TNMHC*	71045.84		TNMHC as hexane ppbV	11841.0
Sum Id	22461.33	31.62	TNMHC as hexane ug/m3	43093.5
Sum Unid	48584.51	68.38	C6+ NMHC ppbC	48173.6
			C6+ NMHC as Hexane ppbV	8028.93
*Total Non-Methane Hydrocarbon			C6+ NMHC as Hexane ug/m3	29220.2

Compound	MDL ppbV	Amount ppbV	Amount ug/m3
Ethene	7.70	73.34	86.87
Acetylene	7.70	8.21	9.03
Ethane	7.70	174.21	221.22
Propene	5.13	49.53	88.02
Propane	5.13	2056.57	3830.02
i-Butane	3.85	86.99	213.52
IsoButene	3.85	10.83	25.66
1-Butene	3.85	11.81	27.98
n-Butane	3.85	2095.57	5143.36
t-2-Butene	3.85	4.95	11.72
c-2-Butene	3.85	4.35	10.32
3-Methyl-1-butene	3.08	ND	ND
i-Pentane	3.08	13.03	39.70
1-Pentene	3.08	7.24	21.45
n-Pentane	3.08	7.22	22.00
t-2-Pentene	3.08	4.38	12.96
c-2-Pentene	3.08	ND	ND
2-Methyl-2-butene	3.08	ND	ND
2,2-Dimethylbutane	2.57	ND	ND
Cyclopentene	3.08	ND	ND
Cyclopentane	3.08	ND	ND
2,3-Dimethylbutane	2.57	ND	ND
2-Methylpentane	2.57	ND	ND
3-Methylpentane	2.57	3.79	13.81
n-Hexane	2.57	1083.28	3942.44
t-2-Hexene	2.57	ND	ND
2-Methyl-2-pentene	2.57	ND	ND

Lab number: 200171-14

Compound	MDL ppbV	Amount ppbV	Amount ug/m3
c-2-Hexene	2.57	6.49	23.05
Methylcyclopentane	2.57	ND	ND
2,4-Dimethylpentane	2.20	ND	ND
Benzene	2.57	6.28	20.73
Cyclohexane	2.57	ND	ND

Notes: ND = Not detected at or above the listed minimum detection limit (MDL).
Reported results are to be interpreted to two significant figures.
*ug/m3 calculated assuming conditions at 60 F and 1 atm.

FORM I-AAVC

ANALYTICAL REPORT

EPA TO-14 GC/FID Hydrocarbon Speciation C2-C6

Laboratory No.: 19

File : 0017119A.D
Client: OnSite Environmental Labs, Inc.
Client ID: VP58-0.25
Can # : 306

Sampled: 4/17/00
Analyzed: 5/5/00
Analyst: AK

	ppbC	%
TNMHC*	134281.96	
Sum Id	11412.46	8.50
Sum Unid	122869.50	91.50

*Total Non-Methane Hydrocarbon

TNMHC as hexane ppbV	22380.3
TNMHC as hexane ug/m3	81450.0
C6+ NMHC ppbC	120755.4
C6+ NMHC as Hexane ppbV	20125.9
C6+ NMHC as Hexane ug/m3	73245.3

Compound	MDL ppbV	Amount ppbV	Amount ug/m3
Ethene	7.15	408.54	483.94
Acetylene	7.15	23.54	25.88
Ethane	7.15	703.40	893.21
Propene	4.77	451.45	802.24
Propane	4.77	826.75	1539.68
i-Butane	3.58	68.72	168.66
IsoButene	3.58	59.78	141.64
1-Butene	3.58	88.76	210.32
n-Butane	3.58	745.89	1830.71
t-2-Butene	3.58	32.46	76.92
c-2-Butene	3.58	28.56	67.66
3-Methyl-1-butene	2.86	11.98	35.49
i-Pentane	2.86	30.75	93.68
1-Pentene	2.86	30.78	91.18
n-Pentane	2.86	34.21	104.22
t-2-Pentene	2.86	12.38	36.68
c-2-Pentene	2.86	8.94	26.48
2-Methyl-2-butene	2.86	ND	ND
2,2-Dimethylbutane	2.38	8.25	30.01
Cyclopentene	2.86	5.52	15.88
Cyclopentane	2.86	10.67	31.59
2,3-Dimethylbutane	2.38	ND	ND
2-Methylpentane	2.38	7.81	28.41
3-Methylpentane	2.38	5.69	20.70
n-Hexane	2.38	13.81	50.27
t-2-Hexene	2.38	3.20	11.37
2-Methyl-2-pentene	2.38	ND	ND

Lab number: 19

Compound	MDL ppbV	Amount ppbV	Amount ug/m3
c-2-Hexene	2.38	4.30	15.27
Methylcyclopentane	2.38	3.99	14.17
2,4-Dimethylpentane	2.04	ND	ND
Benzene	2.38	28.98	95.58
Cyclohexane	2.38	4.67	16.59

Notes: ND = Not detected at or above the listed minimum detection limit (MDL).
Reported results are to be interpreted to two significant figures.
*ug/m3 calculated assuming conditions at 60 F and 1 atm.

FORM I-AAVC

ANALYTICAL REPORT

CH4 by GC/FID

Client: OnSite Environmental Labs, Inc. Date Analyzed: 5/15/00
Analyst: AK

EAS ID Number	Client ID	MDL ppmV	Spk Amount	Result ppmV	% Rec.	% RPD	QC Limit
Lab Blank		1.0	----	ND	----	----	
Laboratory Spike		2.0	1060	1265.8	119.4	----	Rec = 80 -120
Laboratory Spike Duplicate		2.0	1060	1276.9	120.5	0.87	RPD = <30
200171-1	VP10A-0.25	1.0		4.9			
200171-2	VP10A-2	1.0		57.4			
200171-3	VP10A-4.5	1.0		57.0			
200171-4	VP10A-6.5	1.0		64.8			
200171-5	VP11-0.25	1.0		11.0			
200171-7	VP11-4.5	1.0		3.7			
200171-8	VP11-6.5	1.0		6.6			
200171-9	VP44-1	1.0		7.5			
200171-10	VP44-3	1.0		1.3			
200171-11	VP44-6	1.0		10.0			
200171-12	VP44-8	1.0		11.8			
200171-15	VP52-2	1.0		66.6			
200171-16	VP52-4	1.0		90.7			
200171-17	VP52-6	1.0		17.0			
200171-18	Air 6	1.0		1.2			
200171-20	VP58-1.5	1.0		2.9			
200171-21	VP58-5	1.0		5.3			
200171-22	VP58-7	1.0		3.4			

ANALYTICAL REPORT

CH4 by GC/FID

Client:	OnSite Environmental Labs, Inc.	Date Analyzed:	5/10/00
		Analyst:	AK

EAS ID Number	Client ID	MDL ppmV	Spk Amount	Result ppmV	% Rec.	% RPD	QC Limit
Lab Blank		1.0	----	ND	----	----	
Laboratory Spike		2.0	1060	945.5	89.2	----	Rec = 80 -120
Laboratory Spike Duplicate		2.0	1060	963.9	90.9	1.93	RPD = <30
200171-6	VP11-2	1.0		4.5			
200171-13	VP52-0.25	1.0		5.6			
200171-14	VP52-0.25 DUP	1.0		4.3			
200171-19	VP58-0.25	1.0		6.5			

OnSite
Environmental Inc.
Analytical Testing and Mobile Laboratory Services

June 7, 2000

Peter Catterall
Terra Vac
23106 100th Avenue West
Edmonds, WA 98020

Re: Analytical Data for Project 32-0039
Laboratory Reference No. 0004-104

Dear Peter:

Enclosed are the analytical results and associated quality control data for samples submitted on April 18, 2000.

The standard policy of OnSite Environmental Inc. is to store your samples for 30 days from the date of receipt. If you require longer storage, please contact the laboratory.

We appreciate the opportunity to be of service to you on this project. If you have any questions concerning the data, or need additional information, please feel free to call me.

Sincerely,

David Baumeister
Project Manager

Enclosures

TRANSMITTAL MEMORANDUM

From: OnSite Environmental Inc.

To: Peter Catterall, Terra Vac

Date: May 11, 2000

Project Number: 32-0039, GWCC

Lab Reference Number: 0004-101

Subject: CLP Type Data Deliverables

Description:

Results of Volatiles by EPA 8260

Table of Contents

SDG DATA SUMMARY

SDG NARRATIVE

CHAIN OF CUSTODY FORMS

VOLATILES FORMS

SDG NARRATIVE

CASE NARRATIVE

Laboratory Name:	Onsite Environmental Inc.
Laboratory Number:	0004-101
Client Name:	Terra Vac
Project Number:	32-0039, GWCC

Samples were delivered to OnSite Environmental Inc. on April 18, 2000 with appropriate ice, custody seals, and chains of custody.

Volatiles by EPA 8260:

All samples were analyzed without problems.

I certify that this data package is in compliance with the terms and conditions of this project. Release of the data contained in this data package has been authorized by the laboratory manager or his designee, as verified by the following signature.

David Baumeister
Project Manager

CHAIN OF CUSTODY FORMS

Chain of Custody

OnSite Environmental Inc.
14648 NE 95th Street • Redmond, WA 98052
Fax: (425) 885-4603 • Phone: (425) 883-3881

Turnaround Request (In working days)

(Check One)

- ☐ Same Day ☐ 1 Day
- ☐ 2 Day ☐ 3 Day
- ☒ Standard (Hydrocarbon analyses: 5 days, All other analyses: 7 days)
- ☐ 4/26 (other)

Project Chemist: DB

Laboratory No. 04-101

Company: GWCC / TERRA VAC

Project No.: 32.0039

Project Name: GWCC

Project Manager: P CATTERALL

Requested Analysis

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	# of Cont.	NWTPH-HCID	NWTPH-Gx/BTEX	NWTPH-Dx	Volatiles by 8260B	Halogenated Volatiles by 8260B	Semivolatiles by 8270C	PAHs by 8270C	PCB's by 8082	Pesticides by 8081	Total RCRA Metals (8)	TCLP Metals	VPH	EPH	% Moisture
1	B-10A	4/17/00	1200	W	2				✗	✗									
2	B-11		1300																
3	B-44		1415																
4	B-52		1515																
5	B-58		1610																
6	MW-13		1745																
7	MW-12		1710																
		K.F.		K.F.	K.F.				K.F.										

RELINQUISHED BY	DATE	RECEIVED BY	DATE
P CATTERALL	4-18-00		4/18/00
FIRM	TIME	FIRM	TIME
TERRA VAC	0837	OnSite Env	8:37
RELINQUISHED BY	DATE	RECEIVED BY	DATE
FIRM	TIME	FIRM	TIME

REVIEWED BY

DATE REVIEWED

COMMENTS:

Chromatographs with final report ☐

DISTRIBUTION LEGEND: White - OnSite Copy Yellow - Report Copy Pink - Client Copy

LAB ID #: 04-101

COOLER RECEIPT FORM

☐ CORPS
☐ CLP

Project 32-00391

Cooler received on 4/18/00 Opened 4/18/00

Open by U. Ward

1.)	Were custody seals on outside of cooler?	YES	(NO)	NA
	If yes, how many and where? _____			
	Were signature and date correct?	YES	NO	(NA)
2.)	Were custody papers taped to lid inside cooler?	YES	(NO)	NA
3.)	Were custody papers properly filled out (ink, signed, etc.)?	(YES)	NO	NA
4.)	Did you sign custody papers in the appropriate place?	(YES)	NO	NA
5.)	Did you attach shipper's packing slip to this form?	YES	NO	(NA)
6.)	What kind of packing material was used? Ice & foam sleeves			
7.)	Was sufficient ice used?	(YES)	NO	NA
8.)	Were all bottles sealed in separate plastic bags?	(YES)	NO	NA
9.)	Did all bottles arrive in good condition (unbroken)?	(YES)		NA
10.)	Were all bottle labels complete (#, date, signed, etc.)?	(YES)	NO	NA
11.)	Did all labels and tags agree with custody papers?	(YES)	NO	NA
12.)	Were correct bottles used for the tests indicated?	(YES)	NO	NA
13.)	Were the VOA vials checked for the absence of air bubbles, and noted if so?	(YES)	NO	NA
14.)	Was sufficient amount of sample sent in each bottle?	(YES)	NO	NA
15.)	Temperature of cooler upon receipt 0°C			

Explain any discrepancies Cooler was picked up & delivered by Andy Bay.

coolckin.doc

VOLATILES FORMS

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

B-10A

Lab Name: OnSite Environmental Contract: GWCC

Lab Code: OSE Case No.: 32-0039 SAS No.: SDG No.: 04-101

Matrix: (soil/water) WATER Lab Sample ID: 04-101-01 1:100

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: 0418011.D

Level: (low/med) LOW Date Received: 04/18/00

% Moisture: not dec. Date Analyzed: 04/19/00

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 100.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
	Dichlorodifluoromethane	100	U
	Chloromethane	100	U
	Vinyl Chloride	430	D
	Bromomethane	100	U
	Chloroethane	100	U
	Trichlorofluoromethane	100	U
	1,1-Dichloroethene	100	U
	Acetone	500	U
	Carbon Disulfide	100	U
	Methylene Chloride	500	U
	(trans) 1,2-Dichloroethene	100	U
	1,1-Dichloroethane	100	U
	Vinyl Acetate	500	U
	2,2-Dichloropropane	100	U
	(cis) 1,2-Dichloroethene	4100	D
	2-Butanone	500	U
	Chloroform	100	U
	1,1,1-Trichloroethane	100	U
	Carbon Tetrachloride	100	U
	1,1-Dichloropropene	100	U
	Benzene	100	U
	1,2-Dichloroethane	100	U
	Trichloroethene	100	U
	1,2-Dichloropropane	100	U
	Dibromomethane	100	U
	Bromodichloromethane	100	U
	2-Chloroethyl Vinyl Ether	100	U
	(cis) 1,3-Dichloropropene	100	U
	Toluene	100	U
	(trans) 1,3-Dichloropropene	100	U
	1,1,2-Trichloroethane	100	U
	Tetrachloroethene	120	D
	1,3-Dichloropropane	100	U
	Methyl Isobutyl Ketone	500	U
	Dibromochloromethane	100	U
	1,2-Dibromoethane	100	U
	Chlorobenzene	100	U
	1,1,1,2-Tetrachloroethane	100	U
	Ethylbenzene	300	D

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B-10A

Lab Name: OnSite Environmental Contract: GWCC

Lab Code: OSE Case No.: 32-0039 SAS No.:. SDG No.: 04-101

Matrix: (soil/water) WATER Lab Sample ID: 04-101-01 1:100

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: 0418011.D

Level: (low/med) LOW Date Received: 04/18/00

% Moisture: not dec. Date Analyzed: 04/19/00

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 100.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
	m,p-Xylene	590	D
	o-Xylene	100	U
	Styrene	100	U
	Bromoform	100	U
	Isopropylbenzene	100	U
	Bromobenzene	100	U
	1,1,2,2-Tetrachloroethane	100	U
	1,2,3-Trichloropropane	100	U
	n-Propylbenzene	100	U
	2-Chlorotoluene	100	U
	4-Chlorotoluene	100	U
	1,3,5-Trimethylbenzene	200	D
	tert-Butylbenzene	100	U
	1,2,4-Trimethylbenzene	370	D
	sec-Butylbenzene	100	U
	1,3-Dichlorobenzene	100	U
	p-Isopropyltoluene	100	U
	1,4-Dichlorobenzene	100	U
	1,2-Dichlorobenzene	100	U
	n-Butylbenzene	100	U
	1,2-Dibromo-3-chloropropane	100	U
	1,2,4-Trichlorobenzene	100	U
	Hexachlorobutadiene	100	U
	Naphthalene	100	U
	1,2,3-Trichlorobenzene	100	U

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

B-11

Lab Name: OnSite Environmental Contract: GWCC

Lab Code: OSE Case No.: 32-0039 SAS No.: SDG No.: 04-101

Matrix: (soil/water) WATER Lab Sample ID: 04-101-02 1:100

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: 0418012.D

Level: (low/med) LOW Date Received: 04/18/00

% Moisture: not dec. Date Analyzed: 04/19/00

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 100.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
	Dichlorodifluoromethane	100	U
	Chloromethane	100	U
	Vinyl Chloride	100	U
	Bromomethane	100	U
	Chloroethane	100	U
	Trichlorofluoromethane	100	U
	1,1-Dichloroethene	100	U
	Acetone	500	U
	Carbon Disulfide	100	U
	Methylene Chloride	500	U
	(trans) 1,2-Dichloroethene	100	U
	1,1-Dichloroethane	100	U
	Vinyl Acetate	500	U
	2,2-Dichloropropane	100	U
	(cis) 1,2-Dichloroethene	2800	D
	2-Butanone	500	U
	Chloroform	100	U
	1,1,1-Trichloroethane	400	D
	Carbon Tetrachloride	100	U
	1,1-Dichloropropene	100	U
	Benzene	100	U
	1,2-Dichloroethane	100	U
	Trichloroethene	6200	D
	1,2-Dichloropropane	100	U
	Dibromomethane	100	U
	Bromodichloromethane	100	U
	2-Chloroethyl Vinyl Ether	100	U
	(cis) 1,3-Dichloropropene	100	U
	Toluene	100	U
	(trans) 1,3-Dichloropropene	100	U
	1,1,2-Trichloroethane	100	U
	Tetrachloroethene	26000	ED
	1,3-Dichloropropane	100	U
	Methyl Isobutyl Ketone	500	U
	Dibromochloromethane	100	U
	1,2-Dibromoethane	100	U
	Chlorobenzene	100	U
	1,1,1,2-Tetrachloroethane	100	U
	Ethylbenzene	100	U

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

B-11

Lab Name: OnSite Environmental Contract: GWCC

Lab Code: OSE Case No.: 32-0039 SAS No.: SDG No.: 04-101

Matrix: (soil/water) WATER Lab Sample ID: 04-101-02 1:100

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: 0418012.D

Level: (low/med) LOW Date Received: 04/18/00

% Moisture: not dec. Date Analyzed: 04/19/00

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 100.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
	m,p-Xylene	200	U
	o-Xylene	100	U
	Styrene	100	U
	Bromoform	100	U
	Isopropylbenzene	100	U
	Bromobenzene	100	U
	1,1,2,2-Tetrachloroethane	100	U
	1,2,3-Trichloropropane	100	U
	n-Propylbenzene	100	U
	2-Chlorotoluene	100	U
	4-Chlorotoluene	100	U
	1,3,5-Trimethylbenzene	100	U
	tert-Butylbenzene	100	U
	1,2,4-Trimethylbenzene	100	U
	sec-Butylbenzene	100	U
	1,3-Dichlorobenzene	100	U
	p-Isopropyltoluene	100	U
	1,4-Dichlorobenzene	100	U
	1,2-Dichlorobenzene	100	U
	n-Butylbenzene	100	U
	1,2-Dibromo-3-chloropropane	100	U
	1,2,4-Trichlorobenzene	100	U
	Hexachlorobutadiene	100	U
	Naphthalene	100	U
	1,2,3-Trichlorobenzene	100	U

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

B-44

Lab Name: OnSite Environmental Contract: GWCC

Lab Code: OSE Case No.: 32-0039 SAS No.: SDG No.: 04-101

Matrix: (soil/water) WATER Lab Sample ID: 04-101-03 1:100

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: 0418013.D

Level: (low/med) LOW Date Received: 04/18/00

% Moisture: not dec. Date Analyzed: 04/19/00

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 100.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
	Dichlorodifluoromethane	100	U
	Chloromethane	100	U
	Vinyl Chloride	780	D
	Bromomethane	100	U
	Chloroethane	100	U
	Trichlorofluoromethane	100	U
	1,1-Dichloroethene	100	U
	Acetone	500	U
	Carbon Disulfide	100	U
	Methylene Chloride	500	U
	(trans) 1,2-Dichloroethene	190	D
	1,1-Dichloroethane	100	U
	Vinyl Acetate	500	U
	2,2-Dichloropropane	100	U
	(cis) 1,2-Dichloroethene	17000	D
	2-Butanone	500	U
	Chloroform	100	U
	1,1,1-Trichloroethane	850	D
	Carbon Tetrachloride	100	U
	1,1-Dichloropropene	100	U
	Benzene	100	U
	1,2-Dichloroethane	100	U
	Trichloroethene	11000	D
	1,2-Dichloropropane	100	U
	Dibromomethane	100	U
	Bromodichloromethane	100	U
	2-Chloroethyl Vinyl Ether	100	U
	(cis) 1,3-Dichloropropene	100	U
	Toluene	3100	D
	(trans) 1,3-Dichloropropene	100	U
	1,1,2-Trichloroethane	100	U
	Tetrachloroethene	63000	ED
	1,3-Dichloropropane	100	U
	Methyl Isobutyl Ketone	500	U
	Dibromochloromethane	100	U
	1,2-Dibromoethane	100	U
	Chlorobenzene	100	U
	1,1,1,2-Tetrachloroethane	100	U
	Ethylbenzene	500	D

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B-44

Lab Name: OnSite Environmental Contract: GWCC

Lab Code: OSE Case No.: 32-0039 SAS No.: SDG No.: 04-101

Matrix: (soil/water) WATER Lab Sample ID: 04-101-03 1:100

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: 0418013.D

Level: (low/med) LOW Date Received: 04/18/00

% Moisture: not dec. Date Analyzed: 04/19/00

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 100.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
	m,p-Xylene	720	D
	o-Xylene	460	D
	Styrene	100	U
	Bromoform	100	U
	Isopropylbenzene	100	U
	Bromobenzene	100	U
	1,1,2,2-Tetrachloroethane	100	U
	1,2,3-Trichloropropane	100	U
	n-Propylbenzene	100	U
	2-Chlorotoluene	100	U
	4-Chlorotoluene	100	U
	1,3,5-Trimethylbenzene	100	U
	tert-Butylbenzene	100	U
	1,2,4-Trimethylbenzene	150	D
	sec-Butylbenzene	100	U
	1,3-Dichlorobenzene	100	U
	p-Isopropyltoluene	100	U
	1,4-Dichlorobenzene	100	U
	1,2-Dichlorobenzene	250	D
	n-Butylbenzene	100	U
	1,2-Dibromo-3-chloropropane	100	U
	1,2,4-Trichlorobenzene	100	U
	Hexachlorobutadiene	100	U
	Naphthalene	100	U
	1,2,3-Trichlorobenzene	100	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B-52

Lab Name: OnSite Environmental Contract: GWCC

Lab Code: OSE Case No.: 32-0039 SAS No.: SDG No.: 04-101

Matrix: (soil/water) WATER Lab Sample ID: 04-101-04 1:100

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: 0418014.D

Level: (low/med) LOW Date Received: 04/18/00

% Moisture: not dec. Date Analyzed: 04/19/00

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 100.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
	Dichlorodifluoromethane	100	U
	Chloromethane	100	U
	Vinyl Chloride	1500	D
	Bromomethane	100	U
	Chloroethane	100	U
	Trichlorofluoromethane	100	U
	1,1-Dichloroethene	100	U
	Acetone	500	U
	Carbon Disulfide	100	U
	Methylene Chloride	500	U
	(trans) 1,2-Dichloroethene	100	U
	1,1-Dichloroethane	100	U
	Vinyl Acetate	500	U
	2,2-Dichloropropane	100	U
	(cis) 1,2-Dichloroethene	7100	D
	2-Butanone	500	U
	Chloroform	100	U
	1,1,1-Trichloroethane	100	U
	Carbon Tetrachloride	100	U
	1,1-Dichloropropene	100	U
	Benzene	100	U
	1,2-Dichloroethane	100	U
	Trichloroethene	1500	D
	1,2-Dichloropropane	100	U
	Dibromomethane	100	U
	Bromodichloromethane	100	U
	2-Chloroethyl Vinyl Ether	100	U
	(cis) 1,3-Dichloropropene	100	U
	Toluene	100	U
	(trans) 1,3-Dichloropropene	100	U
	1,1,2-Trichloroethane	100	U
	Tetrachloroethene	25000	ED
	1,3-Dichloropropane	100	U
	Methyl Isobutyl Ketone	500	U
	Dibromochloromethane	100	U
	1,2-Dibromoethane	100	U
	Chlorobenzene	100	U
	1,1,1,2-Tetrachloroethane	100	U
	Ethylbenzene	100	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B-52

Lab Name: OnSite Environmental Contract: GWCC

Lab Code: OSE Case No.: 32-0039 SAS No.: SDG No.: 04-101

Matrix: (soil/water) WATER Lab Sample ID: 04-101-04 1:100

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: 0418014.D

Level: (low/med) LOW Date Received: 04/18/00

% Moisture: not dec. Date Analyzed: 04/19/00

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 100.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
	m,p-Xylene	200	U
	o-Xylene	100	U
	Styrene	100	U
	Bromoform	100	U
	Isopropylbenzene	100	U
	Bromobenzene	100	U
	1,1,2,2-Tetrachloroethane	100	U
	1,2,3-Trichloropropane	100	U
	n-Propylbenzene	100	U
	2-Chlorotoluene	100	U
	4-Chlorotoluene	100	U
	1,3,5-Trimethylbenzene	100	U
	tert-Butylbenzene	100	U
	1,2,4-Trimethylbenzene	100	U
	sec-Butylbenzene	100	U
	1,3-Dichlorobenzene	100	U
	p-Isopropyltoluene	100	U
	1,4-Dichlorobenzene	100	U
	1,2-Dichlorobenzene	100	U
	n-Butylbenzene	100	U
	1,2-Dibromo-3-chloropropane	100	U
	1,2,4-Trichlorobenzene	100	U
	Hexachlorobutadiene	100	U
	Naphthalene	100	U
	1,2,3-Trichlorobenzene	100	U

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

B-58

Lab Name: OnSite Environmental Contract: GWCC

Lab Code: OSE Case No.: 32-0039 SAS No.: SDG No.: 04-101

Matrix: (soil/water) WATER Lab Sample ID: 04-101-05 1:100

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: 0418015.D

Level: (low/med) LOW Date Received: 04/18/00

% Moisture: not dec. Date Analyzed: 04/19/00

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 100.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
	Dichlorodifluoromethane	100	U
	Chloromethane	100	U
	Vinyl Chloride	2300	D
	Bromomethane	100	U
	Chloroethane	100	U
	Trichlorofluoromethane	100	U
	1,1-Dichloroethene	100	U
	Acetone	500	U
	Carbon Disulfide	100	U
	Methylene Chloride	140	JD
	(trans) 1,2-Dichloroethene	220	D
	1,1-Dichloroethane	100	U
	Vinyl Acetate	500	U
	2,2-Dichloropropane	100	U
	(cis) 1,2-Dichloroethene	13000	D
	2-Butanone	500	U
	Chloroform	100	U
	1,1,1-Trichloroethane	100	U
	Carbon Tetrachloride	100	U
	1,1-Dichloropropene	100	U
	Benzene	100	U
	1,2-Dichloroethane	100	U
	Trichloroethene	6200	D
	1,2-Dichloropropane	100	U
	Dibromomethane	100	U
	Bromodichloromethane	100	U
	2-Chloroethyl Vinyl Ether	100	U
	(cis) 1,3-Dichloropropene	100	U
	Toluene	100	U
	(trans) 1,3-Dichloropropene	100	U
	1,1,2-Trichloroethane	100	U
	Tetrachloroethene	7800	D
	1,3-Dichloropropane	100	U
	Methyl Isobutyl Ketone	500	U
	Dibromochloromethane	100	U
	1,2-Dibromoethane	100	U
	Chlorobenzene	100	U
	1,1,1,2-Tetrachloroethane	100	U
	Ethylbenzene	100	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B-58

Lab Name: OnSite Environmental Contract: GWCC

Lab Code: OSE Case No.: 32-0039 SAS No.: SDG No.: 04-101

Matrix: (soil/water) WATER Lab Sample ID: 04-101-05 1:100

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: 0418015.D

Level: (low/med) LOW Date Received: 04/18/00

% Moisture: not dec. Date Analyzed: 04/19/00

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 100.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
	m,p-Xylene	200	U
	o-Xylene	100	U
	Styrene	100	U
	Bromoform	100	U
	Isopropylbenzene	100	U
	Bromobenzene	100	U
	1,1,2,2-Tetrachloroethane	100	U
	1,2,3-Trichloropropane	100	U
	n-Propylbenzene	100	U
	2-Chlorotoluene	100	U
	4-Chlorotoluene	100	U
	1,3,5-Trimethylbenzene	100	U
	tert-Butylbenzene	100	U
	1,2,4-Trimethylbenzene	100	U
	sec-Butylbenzene	100	U
	1,3-Dichlorobenzene	100	U
	p-Isopropyltoluene	100	U
	1,4-Dichlorobenzene	100	U
	1,2-Dichlorobenzene	100	U
	n-Butylbenzene	100	U
	1,2-Dibromo-3-chloropropane	100	U
	1,2,4-Trichlorobenzene	100	U
	Hexachlorobutadiene	100	U
	Naphthalene	100	U
	1,2,3-Trichlorobenzene	100	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-13

Lab Name: OnSite Environmental Contract: GWCC

Lab Code: OSE Case No.: 32-0039 SAS No.: SDG No.: 04-101

Matrix: (soil/water) WATER Lab Sample ID: 04-101-06 1:100

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: 0418016.D

Level: (low/med) LOW Date Received: 04/18/00

% Moisture: not dec. Date Analyzed: 04/19/00

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 100.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
	Dichlorodifluoromethane	100	U
	Chloromethane	100	U
	Vinyl Chloride	2600	D
	Bromomethane	100	U
	Chloroethane	100	U
	Trichlorofluoromethane	100	U
	1,1-Dichloroethene	100	U
	Acetone	500	U
	Carbon Disulfide	100	U
	Methylene Chloride	500	U
	(trans) 1,2-Dichloroethene	260	D
	1,1-Dichloroethane	100	U
	Vinyl Acetate	500	U
	2,2-Dichloropropane	100	U
	(cis) 1,2-Dichloroethene	14000	D
	2-Butanone	500	U
	Chloroform	100	U
	1,1,1-Trichloroethane	100	U
	Carbon Tetrachloride	100	U
	1,1-Dichloropropene	100	U
	Benzene	100	U
	1,2-Dichloroethane	100	U
	Trichloroethene	7000	D
	1,2-Dichloropropane	100	U
	Dibromomethane	100	U
	Bromodichloromethane	100	U
	2-Chloroethyl Vinyl Ether	100	U
	(cis) 1,3-Dichloropropene	100	U
	Toluene	100	U
	(trans) 1,3-Dichloropropene	100	U
	1,1,2-Trichloroethane	100	U
	Tetrachloroethene	8100	D
	1,3-Dichloropropane	100	U
	Methyl Isobutyl Ketone	500	U
	Dibromochloromethane	100	U
	1,2-Dibromoethane	100	U
	Chlorobenzene	100	U
	1,1,1,2-Tetrachloroethane	100	U
	Ethylbenzene	100	U

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-13

Lab Name: OnSite Environmental Contract: GWCC

Lab Code: OSE Case No.: 32-0039 SAS No.: SDG No.: 04-101

Matrix: (soil/water) WATER Lab Sample ID: 04-101-06 1:100

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: 0418016.D

Level: (low/med) LOW Date Received: 04/18/00

% Moisture: not dec. Date Analyzed: 04/19/00

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 100.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
	m,p-Xylene	200	U
	o-Xylene	100	U
	Styrene	100	U
	Bromoform	100	U
	Isopropylbenzene	100	U
	Bromobenzene	100	U
	1,1,2,2-Tetrachloroethane	100	U
	1,2,3-Trichloropropane	100	U
	n-Propylbenzene	100	U
	2-Chlorotoluene	100	U
	4-Chlorotoluene	100	U
	1,3,5-Trimethylbenzene	100	U
	tert-Butylbenzene	100	U
	1,2,4-Trimethylbenzene	100	U
	sec-Butylbenzene	100	U
	1,3-Dichlorobenzene	100	U
	p-Isopropyltoluene	100	U
	1,4-Dichlorobenzene	100	U
	1,2-Dichlorobenzene	100	U
	n-Butylbenzene	100	U
	1,2-Dibromo-3-chloropropane	100	U
	1,2,4-Trichlorobenzene	100	U
	Hexachlorobutadiene	100	U
	Naphthalene	100	U
	1,2,3-Trichlorobenzene	100	U

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

MW-12

Lab Name: OnSite Environmental Contract: GWCC

Lab Code: OSE Case No.: 32-0039 SAS No.: SDG No.: 04-101

Matrix: (soil/water) WATER Lab Sample ID: 04-101-07

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: 0418009.D

Level: (low/med) LOW Date Received: 04/18/00

% Moisture: not dec. Date Analyzed: 04/24/00

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
	Dichlorodifluoromethane	1	U
	Chloromethane	1	U
	Vinyl Chloride	1	U
	Bromomethane	1	U
	Chloroethane	1	U
	Trichlorofluoromethane	1	U
	1,1-Dichloroethene	1	U
	Acetone	6	
	Carbon Disulfide	1	U
	Methylene Chloride	5	U
	(trans) 1,2-Dichloroethene	1	U
	1,1-Dichloroethane	1	U
	Vinyl Acetate	5	U
	2,2-Dichloropropane	1	U
	(cis) 1,2-Dichloroethene	1	U
	2-Butanone	5	U
	Chloroform	1	U
	1,1,1-Trichloroethane	1	U
	Carbon Tetrachloride	1	U
	1,1-Dichloropropene	1	U
	Benzene	1	U
	1,2-Dichloroethane	1	U
	Trichloroethene	1	U
	1,2-Dichloropropane	1	U
	Dibromomethane	1	U
	Bromodichloromethane	1	U
	2-Chloroethyl Vinyl Ether	1	U
	(cis) 1,3-Dichloropropene	1	U
	Toluene	1	U
	(trans) 1,3-Dichloropropene	1	U
	1,1,2-Trichloroethane	1	U
	Tetrachloroethene	1	U
	1,3-Dichloropropane	1	U
	Methyl Isobutyl Ketone	5	U
	Dibromochloromethane	1	U
	1,2-Dibromoethane	1	U
	Chlorobenzene	1	U
	1,1,1,2-Tetrachloroethane	1	U
	Ethylbenzene	1	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-12

Lab Name: OnSite Environmental Contract: GWCC

Lab Code: OSE Case No.: 32-0039 SAS No.: SDG No.: 04-101

Matrix: (soil/water) WATER Lab Sample ID: 04-101-07

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: 0418009.D

Level: (low/med) LOW Date Received: 04/18/00

% Moisture: not dec. Date Analyzed: 04/24/00

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
	m,p-Xylene	2	U
	o-Xylene	1	U
	Styrene	1	U
	Bromoform	1	U
	Isopropylbenzene	1	U
	Bromobenzene	1	U
	1,1,2,2-Tetrachloroethane	1	U
	1,2,3-Trichloropropane	1	U
	n-Propylbenzene	1	U
	2-Chlorotoluene	1	U
	4-Chlorotoluene	1	U
	1,3,5-Trimethylbenzene	1	U
	tert-Butylbenzene	1	U
	1,2,4-Trimethylbenzene	1	U
	sec-Butylbenzene	1	U
	1,3-Dichlorobenzene	1	U
	p-Isopropyltoluene	1	U
	1,4-Dichlorobenzene	1	U
	1,2-Dichlorobenzene	1	U
	n-Butylbenzene.	1	U
	1,2-Dibromo-3-chloropropane	1	U
	1,2,4-Trichlorobenzene	1	U
	Hexachlorobutadiene	1	U
	Naphthalene	1	U
	1,2,3-Trichlorobenzene	1	U

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

M.BLANK

Lab Name: OnSite Environmental Contract: GWCC

Lab Code: OSE Case No.: 32-0039 SAS No.: SDG No.: 04-101

Matrix: (soil/water) WATER Lab Sample ID: MB0419W1

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: 0418004.D

Level: (low/med) LOW Date Received: 04/18/00

% Moisture: not dec. Date Analyzed: 04/19/00

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
	Dichlorodifluoromethane	1	U
	Chloromethane	1	U
	Vinyl Chloride	1	U
	Bromomethane	1	U
	Chloroethane	1	U
	Trichlorofluoromethane	1	U
	1,1-Dichloroethene	1	U
	Acetone	5	U
	Carbon Disulfide	1	U
	Methylene Chloride	5	U
	(trans) 1,2-Dichloroethene	1	U
	1,1-Dichloroethane	1	U
	Vinyl Acetate	5	U
	2,2-Dichloropropane	1	U
	(cis) 1,2-Dichloroethene	1	U
	2-Butanone	5	U
	Chloroform	1	U
	1,1,1-Trichloroethane	1	U
	Carbon Tetrachloride	1	U
	1,1-Dichloropropene	1	U
	Benzene	1	U
	1,2-Dichloroethane	1	U
	Trichloroethene	1	U
	1,2-Dichloropropane	1	U
	Dibromomethane	1	U
	Bromodichloromethane	1	U
	2-Chloroethyl Vinyl Ether	1	U
	(cis) 1,3-Dichloropropene	1	U
	Toluene	1	U
	(trans) 1,3-Dichloropropene	1	U
	1,1,2-Trichloroethane	1	U
	Tetrachloroethene	1	U
	1,3-Dichloropropane	1	U
	Methyl Isobutyl Ketone	5	U
	Dibromochloromethane	1	U
	1,2-Dibromoethane	1	U
	Chlorobenzene	1	U
	1,1,1,2-Tetrachloroethane	1	U
	Ethylbenzene	1	U

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

M.BLANK

Lab Name: OnSite Environmental Contract: GWCC

Lab Code: OSE Case No.: 32-0039 SAS No.: SDG No.: 04-101

Matrix: (soil/water) WATER Lab Sample ID: MB0419W1

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: 0418004.D

Level: (low/med) LOW Date Received: 04/18/00

% Moisture: not dec. Date Analyzed: 04/19/00

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
	m,p-Xylene	2	U
	o-Xylene	1	U
	Styrene	1	U
	Bromoform	1	U
	Isopropylbenzene	1	U
	Bromobenzene	1	U
	1,1,2,2-Tetrachloroethane	1	U
	1,2,3-Trichloropropane	1	U
	n-Propylbenzene	1	U
	2-Chlorotoluene	1	U
	4-Chlorotoluene	1	U
	1,3,5-Trimethylbenzene	1	U
	tert-Butylbenzene	1	U
	1,2,4-Trimethylbenzene	1	U
	sec-Butylbenzene	1	U
	1,3-Dichlorobenzene	1	U
	p-Isopropyltoluene	1	U
	1,4-Dichlorobenzene	1	U
	1,2-Dichlorobenzene	1	U
	n-Butylbenzene	1	U
	1,2-Dibromo-3-chloropropane	1	U
	1,2,4-Trichlorobenzene	1	U
	Hexachlorobutadiene	1	U
	Naphthalene	1	U
	1,2,3-Trichlorobenzene	1	U

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

M.BLANK2

Lab Name: OnSite Environmental Contract: GWCC

Lab Code: OSE Case No.: 32-0039 SAS No.: SDG No.: 04-101

Matrix: (soil/water) WATER Lab Sample ID: MB0424W1

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: 0418004.D

Level: (low/med) LOW Date Received: 04/18/00

% Moisture: not dec. Date Analyzed: 04/24/00

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
	Dichlorodifluoromethane	1	U
	Chloromethane	1	U
	Vinyl Chloride	1	U
	Bromomethane	1	U
	Chloroethane	1	U
	Trichlorofluoromethane	1	U
	1,1-Dichloroethene	1	U
	Acetone	5	U
	Carbon Disulfide	1	U
	Methylene Chloride	5	U
	(trans) 1,2-Dichloroethene	1	U
	1,1-Dichloroethane	1	U
	Vinyl Acetate	5	U
	2,2-Dichloropropane	1	U
	(cis) 1,2-Dichloroethene	1	U
	2-Butanone	5	U
	Chloroform	1	U
	1,1,1-Trichloroethane	1	U
	Carbon Tetrachloride	1	U
	1,1-Dichloropropene	1	U
	Benzene	1	U
	1,2-Dichloroethane	1	U
	Trichloroethene	1	U
	1,2-Dichloropropane	1	U
	Dibromomethane	1	U
	Bromodichloromethane	1	U
	2-Chloroethyl Vinyl Ether	1	U
	(cis) 1,3-Dichloropropene	1	U
	Toluene	1	U
	(trans) 1,3-Dichloropropene	1	U
	1,1,2-Trichloroethane	1	U
	Tetrachloroethene	1	U
	1,3-Dichloropropane	1	U
	Methyl Isobutyl Ketone	5	U
	Dibromochloromethane	1	U
	1,2-Dibromoethane	1	U
	Chlorobenzene	1	U
	1,1,1,2-Tetrachloroethane	1	U
	Ethylbenzene	1	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

M.BLANK2

Lab Name: OnSite Environmental Contract: GWCC

Lab Code: OSE Case No.: 32-0039 SAS No.: SDG No.: 04-101

Matrix: (soil/water) WATER Lab Sample ID: MB0424W1

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: 0418004.D

Level: (low/med) LOW Date Received: 04/18/00

% Moisture: not dec. Date Analyzed: 04/24/00

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
	m,p-Xylene	2	U
	o-Xylene	1	U
	Styrene	1	U
	Bromoform	1	U
	Isopropylbenzene	1	U
	Bromobenzene	1	U
	1,1,2,2-Tetrachloroethane	1	U
	1,2,3-Trichloropropane	1	U
	n-Propylbenzene	1	U
	2-Chlorotoluene	1	U
	4-Chlorotoluene	1	U
	1,3,5-Trimethylbenzene	1	U
	tert-Butylbenzene	1	U
	1,2,4-Trimethylbenzene	1	U
	sec-Butylbenzene	1	U
	1,3-Dichlorobenzene	1	U
	p-Isopropyltoluene	1	U
	1,4-Dichlorobenzene	1	U
	1,2-Dichlorobenzene	1	U
	n-Butylbenzene	1	U
	1,2-Dibromo-3-chloropropane	1	U
	1,2,4-Trichlorobenzene	1	U
	Hexachlorobutadiene	1	U
	Naphthalene	1	U
	1,2,3-Trichlorobenzene	1	U

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

M.BLANKMS

Lab Name: OnSite Environmental Contract: GWCC

Lab Code: OSE Case No.: 32-0039 SAS No.: SDG No.: 04-101

Matrix: (soil/water) WATER Lab Sample ID: SB0424W1

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: 0418005.D

Level: (low/med) LOW Date Received: 04/18/00

% Moisture: not dec. Date Analyzed: 04/24/00

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
	Dichlorodifluoromethane	1	U
	Chloromethane	1	U
	Vinyl Chloride	0	J
	Bromomethane	1	
	Chloroethane	1	U
	Trichlorofluoromethane	1	U
	1,1-Dichloroethene	44	
	Acetone	5	U
	Carbon Disulfide	0	J
	Methylene Chloride	1	J
	(trans) 1,2-Dichloroethene	0	J
	1,1-Dichloroethane	1	U
	Vinyl Acetate	5	U
	2,2-Dichloropropane	0	J
	(cis) 1,2-Dichloroethene	1	U
	2-Butanone	5	U
	Chloroform	1	U
	1,1,1-Trichloroethane	0	J
	Carbon Tetrachloride	1	U
	1,1-Dichloropropene	1	U
	Benzene	45	
	1,2-Dichloroethane	1	
	Trichloroethene	47	
	1,2-Dichloropropane	1	U
	Dibromomethane	1	U
	Bromodichloromethane	1	U
	2-Chloroethyl Vinyl Ether	1	U
	(cis) 1,3-Dichloropropene	1	U
	Toluene	46	
	(trans) 1,3-Dichloropropene	1	U
	1,1,2-Trichloroethane	1	U
	Tetrachloroethene	0	J
	1,3-Dichloropropane	1	U
	Methyl Isobutyl Ketone	5	U
	Dibromochloromethane	1	U
	1,2-Dibromoethane	1	U
	Chlorobenzene	48	
	1,1,1,2-Tetrachloroethane	1	U
	Ethylbenzene	1	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

M.BLANKMS

Lab Name: OnSite Environmental Contract: GWCC

Lab Code: OSE Case No.: 32-0039 SAS No.: SDG No.: 04-101

Matrix: (soil/water) WATER Lab Sample ID: SB0424W1

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: 0418005.D

Level: (low/med) LOW Date Received: 04/18/00

% Moisture: not dec. Date Analyzed: 04/24/00

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
	m,p-Xylene	0	J
	o-Xylene	1	U
	Styrene	1	U
	Bromoform	1	U
	Isopropylbenzene	1	U
	Bromobenzene	1	U
	1,1,2,2-Tetrachloroethane	1	U
	1,2,3-Trichloropropane	1	U
	n-Propylbenzene	1	U
	2-Chlorotoluene	1	U
	4-Chlorotoluene	1	U
	1,3,5-Trimethylbenzene	1	U
	tert-Butylbenzene	1	U
	1,2,4-Trimethylbenzene	1	U
	sec-Butylbenzene	1	U
	1,3-Dichlorobenzene	1	U
	p-Isopropyltoluene	1	U
	1,4-Dichlorobenzene	1	U
	1,2-Dichlorobenzene	1	U
	n-Butylbenzene	1	U
	1,2-Dibromo-3-chloropropane	1	U
	1,2,4-Trichlorobenzene	1	U
	Hexachlorobutadiene	1	U
	Naphthalene	1	U
	1,2,3-Trichlorobenzene	1	U

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

M.BLANKMSD

Lab Name: OnSite Environmental Contract: GWCC

Lab Code: OSE Case No.: 32-0039 SAS No.: SDG No.: 04-101

Matrix: (soil/water) WATER Lab Sample ID: SBD0424W1

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: 0418006.D

Level: (low/med) LOW Date Received: 04/18/00

% Moisture: not dec. Date Analyzed: 04/24/00

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
	Dichlorodifluoromethane	1	U
	Chloromethane	1	U
	Vinyl Chloride	1	U
	Bromomethane	0	J
	Chloroethane	1	U
	Trichlorofluoromethane	1	U
	1,1-Dichloroethene	42	
	Acetone	0	J
	Carbon Disulfide	1	U
	Methylene Chloride	1	J
	(trans) 1,2-Dichloroethene	1	U
	1,1-Dichloroethane	1	U
	Vinyl Acetate	5	U
	2,2-Dichloropropane	0	J
	(cis) 1,2-Dichloroethene	1	U
	2-Butanone	5	U
	Chloroform	1	U
	1,1,1-Trichloroethane	1	U
	Carbon Tetrachloride	8	
	1,1-Dichloropropene	0	J
	Benzene	44	
	1,2-Dichloroethane	1	
	Trichloroethene	47	
	1,2-Dichloropropane	1	U
	Dibromomethane	1	U
	Bromodichloromethane	1	U
	2-Chloroethyl Vinyl Ether	1	U
	(cis) 1,3-Dichloropropene	1	U
	Toluene	45	
	(trans) 1,3-Dichloropropene	1	U
	1,1,2-Trichloroethane	1	U
	Tetrachloroethene	0	J
	1,3-Dichloropropane	1	U
	Methyl Isobutyl Ketone	5	U
	Dibromochloromethane	1	U
	1,2-Dibromoethane	1	U
	Chlorobenzene	48	
	1,1,1,2-Tetrachloroethane	1	U
	Ethylbenzene	1	U

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

M.BLANKMSD

Lab Name: OnSite Environmental Contract: GWCC

Lab Code: OSE Case No.: 32-0039 SAS No.: SDG No.: 04-101

Matrix: (soil/water) WATER Lab Sample ID: SBD0424W1

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: 0418006.D

Level: (low/med) LOW Date Received: 04/18/00

% Moisture: not dec. Date Analyzed: 04/24/00

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
	m,p-Xylene	0	J
	o-Xylene	1	U
	Styrene	1	U
	Bromoform	1	U
	Isopropylbenzene	1	U
	Bromobenzene	1	U
	1,1,2,2-Tetrachloroethane	1	U
	1,2,3-Trichloropropane	1	U
	n-Propylbenzene	1	U
	2-Chlorotoluene	1	U
	4-Chlorotoluene	1	U
	1,3,5-Trimethylbenzene	1	U
	tert-Butylbenzene	1	U
	1,2,4-Trimethylbenzene	1	U
	sec-Butylbenzene	1	U
	1,3-Dichlorobenzene	1	U
	p-Isopropyltoluene	1	U
	1,4-Dichlorobenzene	1	U
	1,2-Dichlorobenzene	1	U
	n-Butylbenzene	1	U
	1,2-Dibromo-3-chloropropane	1	U
	1,2,4-Trichlorobenzene	1	U
	Hexachlorobutadiene	0	J
	Naphthalene	1	U
	1,2,3-Trichlorobenzene	1	U

2A

WATER VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: OnSite Environmental Contract: GWCC

Lab Code: OSE Case No.: 32-0039 SAS No.: SDG No.: 04-101

	EPA SAMPLE NO.	SMC1 #	SMC2 #	SMC3 #	TOT OUT
01	M.BLANK	101	109	119	0
02	B-10A	108	106	118	0
03	B-11	108	107	120	0
04	B-44	103	105	111	0
05	B-52	101	112	123	0
06	B-58	105	112	127	0
07	MW-13	105	113	126	0
08	M.BLANK2	106	105	113	0
09	M.BLANKMS	107	105	114	0
10	M.BLANKMSD	105	105	117	0
11	MW-12	76	115	126	0

			QC LIMITS
SMC1	=	Dibromofluoromethane	(71-133)
SMC2	=	Toluene-d8	(80-151)
SMC3	=	4-Bromofluorobenzene	(75-139)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D System Monitoring Compound diluted out

3A

WATER VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: OnSite Environmental Contract: GWCC

Lab Code: OSE Case No.: 32-0039 SAS No.: SDG No.: 04-101

Matrix Spike - EPA Sample No M.BLANK

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC #	QC LIMITS REC.
1,1-Dichloroethene	50	0.0	44	88	69 - 113
Benzene	50	0.0	45	90	72 - 128
Trichloroethene	50	0.0	47	94	82 - 122
Toluene	50	0.0	46	92	54 - 118
Chlorobenzene	50	0.0	48	96	86 - 103

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
1,1-Dichloroethene	50	42	84	5	15.4	69 - 113
Benzene	50	44	88	2	9.6	72 - 128
Trichloroethene	50	47	94	0	12	82 - 122
Toluene	50	45	90	2	15	54 - 118
Chlorobenzene	50	48	96	0	5.8	86 - 103

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 5 outside limits

Spike Recovery: 0 out of 10 outside limits

COMMENTS:

4A

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

M.BLANK

Lab Name: OnSite Environmental Contract: GWCC

Lab Code: OSE Case No.: 32-0039 SAS No.: SDG No.: 04-101

Lab File ID: 0418004.D Lab Sample ID: MB0419W1

Date Analyzed: 04/19/00 Time Analyzed: 14:26

GC Column: DB-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

Instrument ID: ALBERT

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	B-10A	04-101-01 1:100	0418011.D	18:54
02	B-11	04-101-02 1:100	0418012.D	19:26
03	B-44	04-101-03 1:100	0418013.D	19:59
04	B-52	04-101-04 1:100	0418014.D	20:32
05	B-58	04-101-05 1:100	0418015.D	21:05
06	MW-13	04-101-06 1:100	0418016.D	21:37

COMMENTS

4A

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

M.BLANK2

Lab Name: OnSite Environmental Contract: GWCC

Lab Code: OSE Case No.: 32-0039 SAS No.: SDG No.: 04-101

Lab File ID: 0418004.D Lab Sample ID: MB0424W1

Date Analyzed: 04/24/00 Time Analyzed: 14:06

GC Column: DB-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

Instrument ID: ALBERT

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	M.BLANKMS	SB0424W1	0418005.D	14:36
02	M.BLANKMSD	SBD0424W1	0418006.D	15:06
03	MW-12	04-101-07	0418009.D	17:50

COMMENTS

5A

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: OnSite Environmental Contract: GWCC

Lab Code: OSE Case No.: 32-0039 SAS No.: SDG No.: 04-101

Lab File ID: 0417001.D BFB Injection Date: 04/17/00

Instrument ID: ALBERT BFB Injection Time: 09:09

GC Column: DB-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	8.0 - 40.0% of mass 95	15.4
75	30.0 - 66.0% of mass 95	41.7
95	Base peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.5
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	50.0 - 120.0% of mass 95	83.6
175	4.0 - 9.0% of mass 174	6.3 (7.6)1
176	93.0 - 101.0% of mass 174	80.6 (96.5)1
177	5.0 - 9.0% of mass 176	5.4 (6.7)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	VSTD001	1.0 PPB STD	0417011.D	04/17/00	19:04
02	VSTD005	5.0 PPB STD	0417012.D	04/17/00	19:34
03	VSTD020	20 PPB STD	0417013.D	04/17/00	20:04
04	VSTD050	50 PPB STD	0417014.D	04/17/00	20:34
05	VSTD100	100 PPB STD	0417015.D	04/17/00	21:04
06	VSTD200	200 PPB STD	0417016.D	04/17/00	21:34
07	VSTD050	CC0419V1	0418002.D	04/19/00	11:43
08	M.BLANK	MB0419W1	0418004.D	04/19/00	14:26

5A

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: OnSite Environmental Contract: GWCC

Lab Code: OSE Case No.: 32-0039 SAS No.: SDG No.: 04-101

Lab File ID: 0418003.D BFB Injection Date: 04/19/00

Instrument ID: ALBERT BFB Injection Time: 17:31

GC Column: DB-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	8.0 - 40.0% of mass 95	15.2
75	30.0 - 66.0% of mass 95	57.5
95	Base peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.4
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	50.0 - 120.0% of mass 95	84.7
175	4.0 - 9.0% of mass 174	6.2 (7.3)1
176	93.0 - 101.0% of mass 174	81.5 (96.2)1
177	5.0 - 9.0% of mass 176	4.7 (5.7)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	B-10A	04-101-01 1:100	0418011.D	04/19/00	18:54
02	B-11	04-101-02 1:100	0418012.D	04/19/00	19:26
03	B-44	04-101-03 1:100	0418013.D	04/19/00	19:59
04	B-52	04-101-04 1:100	0418014.D	04/19/00	20:32
05	B-58	04-101-05 1:100	0418015.D	04/19/00	21:05
06	MW-13	04-101-06 1:100	0418016.D	04/19/00	21:37

5A

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: OnSite Environmental Contract: GWCC

Lab Code: OSE Case No.: 32-0039 SAS No.: SDG No.: 04-101

Lab File ID: 0418001.D BFB Injection Date: 04/24/00

Instrument ID: ALBERT BFB Injection Time: 09:41

GC Column: DB-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	8.0 - 40.0% of mass 95	16.3
75	30.0 - 66.0% of mass 95	44.9
95	Base peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.3
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	50.0 - 120.0% of mass 95	74.9
175	4.0 - 9.0% of mass 174	4.1 (5.4)1
176	93.0 - 101.0% of mass 174	73.7 (98.4)1
177	5.0 - 9.0% of mass 176	4.8 (6.5)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	VSTD	CC0424V1	0418002.D	04/24/00	12:52
02	M.BLANK2	MB0424W1	0418004.D	04/24/00	14:06
03	M.BLANKMS	SB0424W1	0418005.D	04/24/00	14:36
04	M.BLANKMSD	SBD0424W1	0418006.D	04/24/00	15:06
05	MW-12	04-101-07	0418009.D	04/24/00	17:50

6A

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: OnSite Environmental Contract: GWCC

Lab Code: OSE Case No.: 32-0039 SAS No.: SDG No.: 04-101

Instrument ID: ALBERT Calibration Date(s): 04/17/00 04/17/00

Heated Purge (Y/N): N Calibration Times: 19:04 21:34

GC Column: DB-624 ID: 0.25 (mm)

LAB FILE ID: RRF1 = 0417011.D RRF5 = 0417012.D RRF200 =
RRF20 = 0417013.D RRF50 = 0417014.D RRF100 = 0417015.D 0417016.D

	COMPOUND	RRF1	RRF5	RRF20	RRF50	RRF100	RRF200	$\overline{RRF}$	% RSD	
	Dichlorodifluoromethane	0.266	0.213	0.255	0.250	0.248	0.234	0.245	7.6	
*	Chloromethane	0.352	0.298	0.289	0.243	0.285	0.243	0.285	14.3	*
	Vinyl Chloride	0.274	0.251	0.233	0.239	0.242	0.233	0.245	6.4	
	Bromomethane	0.329	0.267	0.195	0.196	0.176	0.116	0.213	35.0	
	Chloroethane	0.105	0.134	0.120	0.122	0.120	0.113	0.119	8.2	
	Trichlorofluoromethane	0.346	0.401	0.369	0.400	0.434	0.395	0.391	7.7	
	1,1-Dichloroethene	0.316	0.352	0.303	0.331	0.342	0.333	0.330	5.4	
	Acetone		0.207	0.130	0.087	0.116	0.068	0.122	43.9	
	Carbon Disulfide	0.699	0.668	0.597	0.658	0.662	0.668	0.659	5.1	
	Methylene Chloride	0.828	0.418	0.284	0.283	0.272	0.269	0.392	56.3	
	(trans) 1,2-Dichloroethene	0.290	0.316	0.277	0.316	0.332	0.312	0.307	6.6	
*	1,1-Dichloroethane	0.694	0.737	0.564	0.636	0.756	0.601	0.665	11.5	*
	Vinyl Acetate		0.165	0.230	0.442	0.267	0.530	0.327	46.9	
	2,2-Dichloropropane	0.576	0.565	0.437	0.523	0.465	0.492	0.510	10.8	
	(cis) 1,2-Dichloroethene	0.600	0.696	0.599	0.660	0.682	0.635	0.645	6.4	
	2-Butanone		0.323	0.175	0.146	0.170	0.148	0.192	38.4	
	Chloroform	0.832	0.859	0.766	0.836	0.894	0.838	0.837	5.0	
	1,1,1-Trichloroethane	0.622	0.713	0.578	0.721	0.644	0.695	0.662	8.6	
	Carbon Tetrachloride	0.605	0.617	0.518	0.643	0.584	0.638	0.601	7.7	
	1,1-Dichloropropene	0.596	0.616	0.488	0.619	0.564	0.597	0.580	8.4	
	Benzene	1.841	1.782	1.473	1.813	1.688	1.736	1.722	7.8	
	1,2-Dichloroethane	0.536	0.593	0.501	0.588	0.542	0.592	0.559	6.8	
	Trichloroethene	0.283	0.321	0.274	0.316	0.304	0.305	0.300	6.2	
	1,2-Dichloropropane	0.245	0.260	0.224	0.263	0.236	0.252	0.247	6.0	
	Dibromomethane	0.194	0.206	0.199	0.204	0.197	0.197	0.200	2.3	
	Bromodichloromethane	0.387	0.367	0.344	0.392	0.359	0.394	0.374	5.4	
	2-Chloroethyl Vinyl Ether	0.091	0.106	0.130	0.149	0.149	0.164	0.131	21.3	
	(cis) 1,3-Dichloropropene	0.409	0.394	0.367	0.427	0.404	0.427	0.405	5.6	
	Toluene	1.076	1.079	0.993	0.980	1.076	0.973	1.029	5.1	
	(trans) 1,3-Dichloropropene	0.339	0.388	0.367	0.478	0.424	0.492	0.415	14.8	
	1,1,2-Trichloroethane	0.258	0.285	0.251	0.319	0.282	0.319	0.286	10.2	
	Tetrachloroethene	0.324	0.339	0.275	0.326	0.326	0.331	0.320	7.1	
	1,3-Dichloropropane	0.407	0.438	0.402	0.505	0.459	0.513	0.454	10.5	
	Methyl Isobutyl Ketone		0.149	0.217	0.166	0.193	0.171	0.179	14.8	
	Dibromochloromethane	0.345	0.376	0.347	0.435	0.419	0.449	0.395	11.4	
	1,2-Dibromoethane	0.252	0.305	0.303	0.358	0.350	0.362	0.322	13.4	
*	Chlorobenzene	0.842	0.821	0.758	0.825	0.849	0.808	0.817	4.0	*
	1,1,1,2-Tetrachloroethane	0.290	0.323	0.291	0.329	0.344	0.322	0.317	6.8	
	Ethylbenzene	1.163	1.311	1.147	1.286	1.307	1.255	1.245	5.8	

* Compounds with required minimum RRF and maximum %RSD values.
All other compounds must meet a minimum RRF of 0.010.

6A

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: OnSite Environmental Contract: GWCC

Lab Code: OSE Case No.: 32-0039 SAS No.: SDG No.: 04-101

Instrument ID: ALBERT Calibration Date(s): 04/17/00 04/17/00

Heated Purge (Y/N): N Calibration Times: 19:04 21:34

GC Column: DB-624 ID: 0.25 (mm)

LAB FILE ID: RRF1 = 0417011.D RRF5 = 0417012.D RRF200 =
RRF20 = 0417013.D RRF50 = 0417014.D RRF100 = 0417015.D 0417016.D

COMPOUND		RRF1	RRF5	RRF20	RRF50	RRF100	RRF200	$\overline{RRF}$	% RSD	
m,p-Xylene		0.969	0.979	0.882	0.959	0.967	0.881	0.939	4.8	
o-Xylene		0.943	1.020	0.948	0.979	1.018	0.936	0.974	3.9	
Styrene		0.741	0.802	0.815	0.832	0.887	0.784	0.810	6.1	
Bromoform	*	0.476	0.500	0.514	0.501	0.571	0.482	0.507	6.7	*
Isopropylbenzene		2.857	2.920	2.424	2.710	2.854	2.478	2.707	7.8	
Bromobenzene		0.723	0.766	0.703	0.725	0.783	0.687	0.731	5.0	
1,1,2,2-Tetrachloroethane	*	0.669	0.609	0.646	0.650	0.658	0.642	0.646	3.2	*
1,2,3-Trichloropropane		0.491	0.499	0.528	0.488	0.524	0.460	0.498	5.1	
n-Propylbenzene		2.824	3.163	2.774	2.993	3.238	2.830	2.970	6.6	
2-Chlorotoluene		0.656	0.684	0.601	0.621	0.677	0.593	0.639	6.1	
4-Chlorotoluene		0.566	0.646	0.597	0.611	0.665	0.590	0.613	6.0	
1,3,5-Trimethylbenzene		2.028	2.197	1.960	2.028	2.165	1.981	2.060	4.8	
tert-Butylbenzene		1.762	1.853	1.621	1.683	1.813	1.640	1.729	5.5	
1,2,4-Trimethylbenzene		2.167	2.141	1.991	2.056	2.175	2.027	2.093	3.7	
sec-Butylbenzene		2.636	2.635	2.261	2.394	2.559	2.373	2.476	6.3	
1,3-Dichlorobenzene		1.134	1.234	1.124	1.216	1.260	1.214	1.197	4.6	
p-Isopropyltoluene		2.048	2.144	1.846	2.037	2.122	1.967	2.027	5.4	
1,4-Dichlorobenzene		1.325	1.335	1.150	1.232	1.249	1.152	1.240	6.5	
1,2-Dichlorobenzene		1.115	1.200	1.116	1.182	1.210	1.136	1.160	3.7	
n-Butylbenzene		1.606	1.829	1.584	1.882	1.969	1.861	1.789	8.8	
1,2-Dibromo-3-chloropropane		0.090	0.095	0.116	0.132	0.133	0.131	0.116	16.8	
1,2,4-Trichlorobenzene		0.455	0.601	0.633	0.717	0.755	0.727	0.648	17.2	
Hexachlorobutadiene		0.564	0.319	0.259	0.296	0.314	0.296	0.341	32.6	
Naphthalene		0.933	1.061	1.305	1.465	1.523	1.483	1.295	19.0	
1,2,3-Trichlorobenzene		0.437	0.459	0.519	0.584	0.603	0.586	0.531	13.4	
Dibromofluoromethane		0.506	0.555	0.534	0.536	0.559		0.538	3.9	
Toluene-d8		0.873	0.879	0.869	0.834	0.902	0.002	0.726	48.9	
4-Bromofluorobenzene		0.915	0.849	0.863	0.850	0.924		0.880	4.1	

* Compounds with required minimum RRF and maximum %RSD values.
All other compounds must meet a minimum RRF of 0.010.

7A

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: OnSite Environmental Contract: GWCC

Lab Code: OSE Case No.: 32-0039 SAS No.: SDG No.: 04-101

Instrument ID: ALBERT Calibration Date: 04/17/00 Time: 20:34

Lab File ID: 0417014.D Init. Calib. Date(s): 04/17/00 04/17/00

Heated Purge: (Y/N) N Init. Calib. Times: 19:04 21:34

GC Column: DB-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF50	MIN RRF	% D	MAX % D
Dichlorodifluoromethane	0.245	0.250		-2.2	
Chloromethane	0.285	0.243	0.200	14.9	0.0
Vinyl Chloride	0.245	0.239		2.4	
Bromomethane	0.213	0.196		8.3	
Chloroethane	0.119	0.122		-2.5	
Trichlorofluoromethane	0.391	0.400		-2.5	
1,1-Dichloroethene	0.330	0.331		-0.3	
Acetone	0.122	0.087		28.3	
Carbon Disulfide	0.659	0.658		0.1	
Methylene Chloride	0.392	0.283		27.9	
(trans) 1,2-Dichloroethene	0.307	0.316		-3.0	
1,1-Dichloroethane	0.665	0.636	0.300	4.3	0.0
Vinyl Acetate	0.327	0.442		-35.3	
2,2-Dichloropropane	0.510	0.523		-2.6	
(cis) 1,2-Dichloroethene	0.645	0.660		-2.2	
2-Butanone	0.192	0.146		24.0	
Chloroform	0.837	0.836		0.2	
1,1,1-Trichloroethane	0.662	0.721		-8.9	
Carbon Tetrachloride	0.601	0.643		-7.1	
1,1-Dichloropropene	0.580	0.619		-6.7	
Benzene	1.722	1.813		-5.3	
1,2-Dichloroethane	0.559	0.588		-5.2	
Trichloroethene	0.300	0.316		-5.1	
1,2-Dichloropropane	0.247	0.263		-6.5	
Dibromomethane	0.200	0.204		-2.3	
Bromodichloromethane	0.374	0.392		-4.8	
2-Chloroethyl Vinyl Ether	0.131	0.149		-13.0	
(cis) 1,3-Dichloropropene	0.405	0.427		-5.6	
Toluene	1.029	0.980		4.8	
(trans) 1,3-Dichloropropene	0.415	0.478		-15.3	
1,1,2-Trichloroethane	0.286	0.319		-11.8	
Tetrachloroethene	0.320	0.326		-1.8	
1,3-Dichloropropane	0.454	0.505		-11.2	
Methyl Isobutyl Ketone	0.179	0.166		7.5	
Dibromochloromethane	0.395	0.435		-10.1	
1,2-Dibromoethane	0.322	0.358		-11.2	
Chlorobenzene	0.817	0.825	0.300	-1.0	0.0
1,1,1,2-Tetrachloroethane	0.317	0.329		-3.8	
Ethylbenzene	1.245	1.286		-3.3	

All other compounds must meet a minimum RRF of 0.010.

7A

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: OnSite Environmental Contract: GWCC

Lab Code: OSE Case No.: 32-0039 SAS No.: SDG No.: 04-101

Instrument ID: ALBERT Calibration Date: 04/17/00 Time: 20:34

Lab File ID: 0417014.D Init. Calib. Date(s): 04/17/00 04/17/00

Heated Purge: (Y/N) N Init. Calib. Times: 19:04 21:34

GC Column: DB-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF50	MIN RRF	% D	MAX % D
m,p-Xylene	0.939	0.959		-2.1	
o-Xylene	0.974	0.979		-0.5	
Styrene	0.810	0.832		-2.7	
Bromoform	0.507	0.501	0.250	1.2	0.0
Isopropylbenzene	2.707	2.710		-0.1	
Bromobenzene	0.731	0.725		0.8	
1,1,2,2-Tetrachloroethane	0.646	0.650	0.300	-0.7	0.0
1,2,3-Trichloropropane	0.498	0.488		2.1	
n-Propylbenzene	2.970	2.993		-0.8	
2-Chlorotoluene	0.639	0.621		2.9	
4-Chlorotoluene	0.613	0.611		0.3	
1,3,5-Trimethylbenzene	2.060	2.028		1.6	
tert-Butylbenzene	1.729	1.683		2.7	
1,2,4-Trimethylbenzene	2.093	2.056		1.7	
sec-Butylbenzene	2.476	2.394		3.3	
1,3-Dichlorobenzene	1.197	1.216		-1.6	
p-Isopropyltoluene	2.027	2.037		-0.5	
1,4-Dichlorobenzene	1.240	1.232		0.7	
1,2-Dichlorobenzene	1.160	1.182		-1.9	
n-Butylbenzene	1.789	1.882		-5.2	
1,2-Dibromo-3-chloropropane	0.116	0.132		-13.7	
1,2,4-Trichlorobenzene	0.648	0.717		-10.6	
Hexachlorobutadiene	0.341	0.296		13.3	
Naphthalene	1.295	1.465		-13.1	
1,2,3-Trichlorobenzene	0.531	0.584		-10.0	
Dibromofluoromethane	0.538	0.536		0.3	
Toluene-d8	0.726	0.834		-14.7	
4-Bromofluorobenzene	0.880	0.850		3.4	

All other compounds must meet a minimum RRF of 0.010.

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: OnSite Environmental Contract: GWCC

Lab Code: OSE Case No.: 32-0039 SAS No.: SDG No.: 04-101

Instrument ID: ALBERT Calibration Date: 04/19/00 Time: 11:43

Lab File ID: 0418002.D Init. Calib. Date(s): 04/17/00 04/17/00

Heated Purge: (Y/N) N Init. Calib. Times: 19:04 21:34

GC Column: DB-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF50	MIN RRF	% D	MAX % D
Dichlorodifluoromethane	0.245	0.083		66.0	
Chloromethane	0.285	0.211	0.200	26.0	0.0
Vinyl Chloride	0.245	0.209		14.7	
Bromomethane	0.213	0.129		39.7	
Chloroethane	0.119	0.125		-5.2	
Trichlorofluoromethane	0.391	0.373		4.6	
1,1-Dichloroethene	0.330	0.326		1.0	
Acetone	0.122	0.078		35.8	
Carbon Disulfide	0.659	0.569		13.6	
Methylene Chloride	0.392	0.290		26.1	
(trans) 1,2-Dichloroethene	0.307	0.549		-78.9	
1,1-Dichloroethane	0.665	0.700	0.300	-5.3	0.0
Vinyl Acetate	0.327	0.000		99.9	
2,2-Dichloropropane	0.510				
(cis) 1,2-Dichloroethene	0.645	0.588		8.9	
2-Butanone	0.192	0.097		49.5	
Chloroform	0.837	0.851		-1.6	
1,1,1-Trichloroethane	0.662	0.717		-8.2	
Carbon Tetrachloride	0.601	0.611		-1.7	
1,1-Dichloropropene	0.580	0.590		-1.7	
Benzene	1.722	1.713		0.5	
1,2-Dichloroethane	0.559	0.579		-3.6	
Trichloroethene	0.300	0.299		0.4	
1,2-Dichloropropane	0.247	0.255		-3.3	
Dibromomethane	0.200	0.184		8.0	
Bromodichloromethane	0.374	0.383		-2.5	
2-Chloroethyl Vinyl Ether	0.131	0.073		44.6	
(cis) 1,3-Dichloropropene	0.405	0.087		78.4	
Toluene	1.029	0.954		7.4	
(trans) 1,3-Dichloropropene	0.415	0.089		78.7	
1,1,2-Trichloroethane	0.286	0.290		-1.4	
Tetrachloroethene	0.320	0.297		7.1	
1,3-Dichloropropane	0.454	0.455		-0.2	
Methyl Isobutyl Ketone	0.179	0.121		32.5	
Dibromochloromethane	0.395	0.377		4.7	
1,2-Dibromoethane	0.322	0.308		4.2	
Chlorobenzene	0.817	0.818	0.300	-0.1	0.0
1,1,1,2-Tetrachloroethane	0.317	0.312		1.4	
Ethylbenzene	1.245	1.299		-4.3	

All other compounds must meet a minimum RRF of 0.010.

7A

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: OnSite Environmental Contract: GWCC

Lab Code: OSE Case No.: 32-0039 SAS No.: SDG No.: 04-101

Instrument ID: ALBERT Calibration Date: 04/19/00 Time: 11:43

Lab File ID: 0418002.D Init. Calib. Date(s): 04/17/00 04/17/00

Heated Purge: (Y/N) N Init. Calib. Times: 19:04 21:34

GC Column: DB-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF50	MIN RRF	% D	MAX % D
m,p-Xylene	0.939	0.949		-1.0	
o-Xylene	0.974	0.993		-1.9	
Styrene	0.810	0.740		8.6	
Bromoform	0.507	0.457	0.250	10.0	0.0
Isopropylbenzene	2.707	2.838		-4.8	
Bromobenzene	0.731	0.740		-1.2	
1,1,2,2-Tetrachloroethane	0.646	0.604	0.300	6.5	0.0
1,2,3-Trichloropropane	0.498	0.447		10.2	
n-Propylbenzene	2.970	3.052		-2.8	
2-Chlorotoluene	0.639	0.650		-1.8	
4-Chlorotoluene	0.613	0.634		-3.5	
1,3,5-Trimethylbenzene	2.060	2.178		-5.7	
tert-Butylbenzene	1.729	1.795		-3.9	
1,2,4-Trimethylbenzene	2.093	2.168		-3.6	
sec-Butylbenzene	2.476	2.390		3.5	
1,3-Dichlorobenzene	1.197	1.227		-2.5	
p-Isopropyltoluene	2.027	2.039		-0.6	
1,4-Dichlorobenzene	1.240	1.199		3.3	
1,2-Dichlorobenzene	1.160	1.170		-0.9	
n-Butylbenzene	1.789	1.703		4.8	
1,2-Dibromo-3-chloropropane	0.116	0.097		16.9	
1,2,4-Trichlorobenzene	0.648	0.554		14.5	
Hexachlorobutadiene	0.341	0.234		31.3	
Naphthalene	1.295	0.894		31.0	
1,2,3-Trichlorobenzene	0.531	0.392		26.2	
Dibromofluoromethane	0.538				
Toluene-d8	0.726	0.001		99.9	
4-Bromofluorobenzene	0.880				

All other compounds must meet a minimum RRF of 0.010.

7A

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: OnSite Environmental Contract: GWCC

Lab Code: OSE Case No.: 32-0039 SAS No.: SDG No.: 04-101

Instrument ID: ALBERT Calibration Date: 04/24/00 Time: 12:52

Lab File ID: 0418002.D Init. Calib. Date(s): 04/17/00 04/17/00

Heated Purge: (Y/N) N Init. Calib. Times: 19:04 21:34

GC Column: DB-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF50	MIN RRF	% D	MAX % D
Dichlorodifluoromethane	0.245	0.039		83.9	
Chloromethane	0.285	0.200	0.200	29.7	0.0
Vinyl Chloride	0.245	0.186		24.4	
Bromomethane	0.213	0.200		6.0	
Chloroethane	0.119	0.131		-10.0	
Trichlorofluoromethane	0.391	0.327		16.3	
1,1-Dichloroethene	0.330	0.320		3.0	
Acetone	0.122	0.120		1.2	
Carbon Disulfide	0.659	0.614		6.8	
Methylene Chloride	0.392	0.301		23.2	
(trans) 1,2-Dichloroethene	0.307	0.491		-59.7	
1,1-Dichloroethane	0.665	0.723	0.300	-8.8	0.0
Vinyl Acetate	0.327	0.482		-47.6	
2,2-Dichloropropane	0.510	0.619		-21.4	
(cis) 1,2-Dichloroethene	0.645	0.678		-5.1	
2-Butanone	0.192	0.145		24.7	
Chloroform	0.837	0.837		0.0	
1,1,1-Trichloroethane	0.662	0.668		-0.9	
Carbon Tetrachloride	0.601	0.560		6.8	
1,1-Dichloropropene	0.580	0.548		5.5	
Benzene	1.722	1.590		7.7	
1,2-Dichloroethane	0.559	0.535		4.3	
Trichloroethene	0.300	0.296		1.6	
1,2-Dichloropropane	0.247	0.260		-5.2	
Dibromomethane	0.200	0.187		6.2	
Bromodichloromethane	0.374	0.374		0.0	
2-Chloroethyl Vinyl Ether	0.131	0.115		12.4	
(cis) 1,3-Dichloropropene	0.405	0.412		-1.7	
Toluene	1.029	1.091		-6.0	
(trans) 1,3-Dichloropropene	0.415	0.409		1.5	
1,1,2-Trichloroethane	0.286	0.257		10.0	
Tetrachloroethene	0.320	0.319		0.4	
1,3-Dichloropropane	0.454	0.420		7.4	
Methyl Isobutyl Ketone	0.179	0.171		4.7	
Dibromochloromethane	0.395	0.338		14.4	
1,2-Dibromoethane	0.322	0.291		9.6	
Chlorobenzene	0.817	0.855	0.300	-4.6	0.0
1,1,1,2-Tetrachloroethane	0.317	0.298		5.7	
Ethylbenzene	1.245	1.372		-10.2	

All other compounds must meet a minimum RRF of 0.010.

7A
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: OnSite Environmental Contract: GWCC

Lab Code: OSE Case No.: 32-0039 SAS No.: SDG No.: 04-101

Instrument ID: ALBERT Calibration Date: 04/24/00 Time: 12:52

Lab File ID: 0418002.D Init. Calib. Date(s): 04/17/00 04/17/00

Heated Purge: (Y/N) N Init. Calib. Times: 19:04 21:34

GC Column: DB-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF50	MIN RRF	% D	MAX % D
m,p-Xylene	0.939	1.063		-13.1	
o-Xylene	0.974	1.100		-12.9	
Styrene	0.810	0.935		-15.4	
Bromoform	0.507	0.441	0.250	13.2	0.0
Isopropylbenzene	2.707	2.701		0.2	
Bromobenzene	0.731	0.764		-4.5	
1,1,2,2-Tetrachloroethane	0.646	0.677	0.300	-4.9	0.0
1,2,3-Trichloropropane	0.498	0.478		4.1	
n-Propylbenzene	2.970	3.306		-11.3	
2-Chlorotoluene	0.639	0.687		-7.6	
4-Chlorotoluene	0.613	0.686		-12.0	
1,3,5-Trimethylbenzene	2.060	2.295		-11.4	
tert-Butylbenzene	1.729	1.892		-9.5	
1,2,4-Trimethylbenzene	2.093	2.360		-12.8	
sec-Butylbenzene	2.476	2.765		-11.6	
1,3-Dichlorobenzene	1.197	1.334		-11.4	
p-Isopropyltoluene	2.027	2.367		-16.8	
1,4-Dichlorobenzene	1.240	1.321		-6.5	
1,2-Dichlorobenzene	1.160	1.198		-3.3	
n-Butylbenzene	1.789	2.205		-23.3	
1,2-Dibromo-3-chloropropane	0.116	0.099		14.9	
1,2,4-Trichlorobenzene	0.648	0.675		-4.2	
Hexachlorobutadiene	0.341	0.313		8.1	
Naphthalene	1.295	1.178		9.0	
1,2,3-Trichlorobenzene	0.531	0.504		5.1	
Dibromofluoromethane	0.538	0.002		99.7	
Toluene-d8	0.726	0.001		99.9	
4-Bromofluorobenzene	0.880				

All other compounds must meet a minimum RRF of 0.010.

8A

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: OnSite Environmental Contract: GWCC

Lab Code: OSE Case No.: 32-0039 SAS No.: SDG No.: 04-101

Lab File ID (Standard): 0418002.D Date Analyzed: 04/19/00

Instrument ID: ALBERT Time Analyzed: 11:43

GC Column: DB-624 ID: 0.25 (mm) Heated Purge (Y/N): N

		IS1 PENT		IS2 14DF		IS3CBD5	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
	12 HOUR STD	397891	4.57	688310	5.69	566288	10.45
	UPPER LIMIT	795782	5.07	1376620	6.19	1132576	10.95
	LOWER LIMIT	198946	4.07	344155	5.19	283144	9.95
	EPA SAMPLE NO.						
01	M.BLANK	372031	4.57	590943	5.69	505207	10.45
02	B-10A	391240	4.57	658113	5.70	518175	10.45
03	B-11	375327	4.58	645829	5.70	541536	10.46
04	B-44	400257	4.58	685389	5.69	531385	10.45
05	B-52	348441	4.58	575808	5.70	526840	10.45
06	B-58	325637	4.58	529707	5.70	489653	10.47
07	MW-13	328389	4.58	531642	5.70	491097	10.45

IS1 PENT = Pentafluorobenzene
IS2 14DF = 1,4-Difluorobenzene
IS3 CBD5 = Chlorobenzene-d5
IS4 14DC = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column to be used to flag values outside QC limit with an asterisk.
* Values outside of contract required QC limits

8A

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: OnSite Environmental Contract: GWCC

Lab Code: OSE Case No.: 32-0039 SAS No.: SDG No.: 04-101

Lab File ID (Standard): 0418002.D Date Analyzed: 04/19/00

Instrument ID: ALBERT Time Analyzed: 11:43

GC Column: DB-624 ID: 0.25 (mm) Heated Purge (Y/N): Y

		IS414DC AREA	#	RT	#	AREA	#	RT	#	AREA	#	RT	#
	12 HOUR STD	227133		14.53									
	UPPER LIMIT	454266		14.03									
	LOWER LIMIT	113567		15.03									
	EPA SAMPLE NO.												
01	M.BLANK	227656		14.53									
02	B-10A	221438		14.53									
03	B-11	220656		14.54									
04	B-44	218670		14.54									
05	B-52	214603		14.53									
06	B-58	214029		14.55									
07	MW-13	211042		14.53									

IS1 PENT = Pentafluorobenzene
IS2 14DF = 1,4-Difluorobenzene
IS3 CBD5 = Chlorobenzene-d5
IS4 14DC = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column to be used to flag values outside QC limit with an asterisk.
* Values outside of contract required QC limits

8A

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: OnSite Environmental Contract: GWCC

Lab Code: OSE Case No.: 32-0039 SAS No.: SDG No.: 04-101

Lab File ID (Standard): 0418002.D Date Analyzed: 04/24/00

Instrument ID: ALBERT Time Analyzed: 12:52

GC Column: DB-624 ID: 0.25 (mm) Heated Purge (Y/N): N

		IS1 PENT		IS2 14DF		IS3CBD5	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
	12 HOUR STD	333767	4.57	534761	5.69	473296	10.45
	UPPER LIMIT	667534	5.07	1069522	6.19	946592	10.95
	LOWER LIMIT	166884	4.07	267381	5.19	236648	9.95
	EPA SAMPLE NO.						
01	M.BLANK2	350972	4.58	587905	5.70	461089	10.46
02	M.BLANKMS	360059	4.58	585401	5.70	458683	10.45
03	M.BLANKMSD	365183	4.58	602832	5.70	469736	10.46
04	MW-12	315106	4.58	486656	5.70	358051	10.45

IS1 PENT = Pentafluorobenzene
IS2 14DF = 1,4-Difluorobenzene
IS3 CBD5 = Chlorobenzene-d5
IS4 14DC = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column to be used to flag values outside QC limit with an asterisk.
* Values outside of contract required QC limits

8A

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: OnSite Environmental Contract: GWCC

Lab Code: OSE Case No.: 32-0039 SAS No.: SDG No.: 04-101

Lab File ID (Standard): 0418002.D Date Analyzed: 04/24/00

Instrument ID: ALBERT Time Analyzed: 12:52

GC Column: DB-624 ID: 0.25 (mm) Heated Purge (Y/N): Y

		IS414DC AREA	#	RT	#	AREA	#	RT	#	AREA	#	RT	#
	12 HOUR STD	227865		14.53									
	UPPER LIMIT	455730		14.03									
	LOWER LIMIT	113933		15.03									
	EPA SAMPLE NO.												
01	M.BLANK2	217046		14.53									
02	M.BLANKMS	217447		14.53									
03	M.BLANKMS	216136		14.53									
04	MW-12	126420		14.54									

IS1 PENT = Pentafluorobenzene
IS2 14DF = 1,4-Difluorobenzene
IS3 CBD5 = Chlorobenzene-d5
IS4 14DC = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column to be used to flag values outside QC limit with an asterisk.
* Values outside of contract required QC limits

VOLATILES DATA PACKAGE

VOLATILES QC SUMMARY

VOLATILES SAMPLE DATA

VOLATILES STANDARDS DATA

VOLATILES RAW QC DATA

VOLATILES MISCELLANEOUS DATA

VOLATILES QC SUMMARY

FORM II:	SURROGATE RECOVERY
FORM III:	MATRIX SPIKE RECOVERY
FORM IV:	METHOD BLANK SUMMARY
FORM V:	INSTRUMENT PERFORMANCE CHECK
FORM VIII:	INTERNAL STANDARD SUMMARY

2A

WATER VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: OnSite Environmental Contract: GWCC

Lab Code: OSE Case No.: 32-0039 SAS No.: SDG No.: 04-101

	EPA SAMPLE NO.	SMC1 #	SMC2 #	SMC3 #	TOT OUT
01	M.BLANK	101	109	119	0
02	B-10A	108	106	118	0
03	B-11	108	107	120	0
04	B-44	103	105	111	0
05	B-52	101	112	123	0
06	B-58	105	112	127	0
07	MW-13	105	113	126	0
08	M.BLANK2	106	105	113	0
09	M.BLANKMS	107	105	114	0
10	M.BLANKMSD	105	105	117	0
11	MW-12	76	115	126	0

			QC LIMITS
SMC1	=	Dibromofluoromethane	(71-133)
SMC2	=	Toluene-d8	(80-151)
SMC3	=	4-Bromofluorobenzene	(75-139)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D System Monitoring Compound diluted out

3A

WATER VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: OnSite Environmental Contract: GWCC

Lab Code: OSE Case No.: 32-0039 SAS No.: _____ SDG No.: 04-101

Matrix Spike - EPA Sample No M.BLANK

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC #	QC LIMITS REC.
1,1-Dichloroethene	50	0.0	44	88	69 - 113
Benzene	50	0.0	45	90	72 - 128
Trichloroethene	50	0.0	47	94	82 - 122
Toluene	50	0.0	46	92	54 - 118
Chlorobenzene	50	0.0	48	96	86 - 103

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
1,1-Dichloroethene	50	42	84	5	15.4	69 - 113
Benzene	50	44	88	2	9.6	72 - 128
Trichloroethene	50	47	94	0	12	82 - 122
Toluene	50	45	90	2	15	54 - 118
Chlorobenzene	50	48	96	0	5.8	86 - 103

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 5 outside limits

Spike Recovery: 0 out of 10 outside limits

COMMENTS: _____

4A

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

M.BLANK

Lab Name: OnSite Environmental Contract: GWCC

Lab Code: OSE Case No.: 32-0039 SAS No.: _____ SDG No.: 04-101

Lab File ID: 0418004.D Lab Sample ID: MB0419W1

Date Analyzed: 04/19/00 Time Analyzed: 14:26

GC Column: DB-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

Instrument ID: ALBERT

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	B-10A	04-101-01 1:100	0418011.D	18:54
02	B-11	04-101-02 1:100	0418012.D	19:26
03	B-44	04-101-03 1:100	0418013.D	19:59
04	B-52	04-101-04 1:100	0418014.D	20:32
05	B-58	04-101-05 1:100	0418015.D	21:05
06	MW-13	04-101-06 1:100	0418016.D	21:37

COMMENTS

4A

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

M.BLANK2

Lab Name: OnSite Environmental Contract: GWCC

Lab Code: OSE Case No.: 32-0039 SAS No.: SDG No.: 04-101

Lab File ID: 0418004.D Lab Sample ID: MB0424W1

Date Analyzed: 04/24/00 Time Analyzed: 14:06

GC Column: DB-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

Instrument ID: ALBERT

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	M.BLANKMS	SB0424W1	0418005.D	14:36
02	M.BLANKMSD	SBD0424W1	0418006.D	15:06
03	MW-12	04-101-07	0418009.D	17:50

COMMENTS

5A

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: OnSite Environmental Contract: GWCC

Lab Code: OSE Case No.: 32-0039 SAS No.: _____ SDG No.: 04-101

Lab File ID: 0417001.D BFB Injection Date: 04/17/00

Instrument ID: ALBERT BFB Injection Time: 09:09

GC Column: DB-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	8.0 - 40.0% of mass 95	15.4
75	30.0 - 66.0% of mass 95	41.7
95	Base peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.5
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	50.0 - 120.0% of mass 95	83.6
175	4.0 - 9.0% of mass 174	6.3 (7.6)1
176	93.0 - 101.0% of mass 174	80.6 (96.5)1
177	5.0 - 9.0% of mass 176	5.4 (6.7)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	VSTD001	1.0 PPB STD	0417011.D	04/17/00	19:04
02	VSTD005	5.0 PPB STD	0417012.D	04/17/00	19:34
03	VSTD020	20 PPB STD	0417013.D	04/17/00	20:04
04	VSTD050	50 PPB STD	0417014.D	04/17/00	20:34
05	VSTD100	100 PPB STD	0417015.D	04/17/00	21:04
06	VSTD200	200 PPB STD	0417016.D	04/17/00	21:34
07	VSTD050	CC0419V1	0418002.D	04/19/00	11:43
08	M.BLANK	MB0419W1	0418004.D	04/19/00	14:26

5A

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: OnSite Environmental Contract: GWCC

Lab Code: OSE Case No.: 32-0039 SAS No.: _____ SDG No.: 04-101

Lab File ID: 0418003.D BFB Injection Date: 04/19/00

Instrument ID: ALBERT BFB Injection Time: 17:31

GC Column: DB-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	8.0 - 40.0% of mass 95	15.2
75	30.0 - 66.0% of mass 95	57.5
95	Base peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.4
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	50.0 - 120.0% of mass 95	84.7
175	4.0 - 9.0% of mass 174	6.2 (7.3)1
176	93.0 - 101.0% of mass 174	81.5 (96.2)1
177	5.0 - 9.0% of mass 176	4.7 (5.7)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	B-10A	04-101-01 1:100	0418011.D	04/19/00	18:54
02	B-11	04-101-02 1:100	0418012.D	04/19/00	19:26
03	B-44	04-101-03 1:100	0418013.D	04/19/00	19:59
04	B-52	04-101-04 1:100	0418014.D	04/19/00	20:32
05	B-58	04-101-05 1:100	0418015.D	04/19/00	21:05
06	MW-13	04-101-06 1:100	0418016.D	04/19/00	21:37

5A

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

BROMOFLUOROBENZENE (BFB)

Lab Name: OnSite Environmental Contract: GWCC

Lab Code: OSE Case No.: 32-0039 SAS No.: SDG No.: 04-101

Lab File ID: 0418001.D BFB Injection Date: 04/24/00

Instrument ID: ALBERT BFB Injection Time: 09:41

GC Column: DB-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	8.0 - 40.0% of mass 95	16.3
75	30.0 - 66.0% of mass 95	44.9
95	Base peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.3
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	50.0 - 120.0% of mass 95	74.9
175	4.0 - 9.0% of mass 174	4.1 (5.4)1
176	93.0 - 101.0% of mass 174	73.7 (98.4)1
177	5.0 - 9.0% of mass 176	4.8 (6.5)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	VSTD	CC0424V1	0418002.D	04/24/00	12:52
02	M.BLANK2	MB0424W1	0418004.D	04/24/00	14:06
03	M.BLANKMS	SB0424W1	0418005.D	04/24/00	14:36
04	M.BLANKMSD	SBD0424W1	0418006.D	04/24/00	15:06
05	MW-12	04-101-07	0418009.D	04/24/00	17:50

8A

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: OnSite Environmental Contract: GWCC

Lab Code: OSE Case No.: 32-0039 SAS No.: SDG No.: 04-101

Lab File ID (Standard): 0418002.D Date Analyzed: 04/19/00

Instrument ID: ALBERT Time Analyzed: 11:43

GC Column: DB-624 ID: 0.25 (mm) Heated Purge (Y/N): N

		IS1 PENT AREA #	RT #	IS2 14DF AREA #	RT #	IS3CBD5 AREA #	RT #
	12 HOUR STD	397891	4.57	688310	5.69	566288	10.45
	UPPER LIMIT	795782	5.07	1376620	6.19	1132576	10.95
	LOWER LIMIT	198946	4.07	344155	5.19	283144	9.95
	EPA SAMPLE NO.						
01	M.BLANK	372031	4.57	590943	5.69	505207	10.45
02	B-10A	391240	4.57	658113	5.70	518175	10.45
03	B-11	375327	4.58	645829	5.70	541536	10.46
04	B-44	400257	4.58	685389	5.69	531385	10.45
05	B-52	348441	4.58	575808	5.70	526840	10.45
06	B-58	325637	4.58	529707	5.70	489653	10.47
07	MW-13	328389	4.58	531642	5.70	491097	10.45

IS1 PENT = Pentafluorobenzene
IS2 14DF = 1,4-Difluorobenzene
IS3 CBD5 = Chlorobenzene-d5
IS4 14DC = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column to be used to flag values outside QC limit with an asterisk.
* Values outside of contract required QC limits

8A

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: OnSite Environmental Contract: GWCC

Lab Code: OSE Case No.: 32-0039 SAS No.: SDG No.: 04-101

Lab File ID (Standard): 0418002.D Date Analyzed: 04/19/00

Instrument ID: ALBERT Time Analyzed: 11:43

GC Column: DB-624 ID: 0.25 (mm) Heated Purge (Y/N): Y

		IS414DC AREA #	RT #	AREA #	RT #	AREA #	RT #
	12 HOUR STD	227133	14.53				
	UPPER LIMIT	454266	14.03				
	LOWER LIMIT	113567	15.03				
	EPA SAMPLE NO.						
01	M.BLANK	227656	14.53				
02	B-10A	221438	14.53				
03	B-11	220656	14.54				
04	B-44	218670	14.54				
05	B-52	214603	14.53				
06	B-58	214029	14.55				
07	MW-13	211042	14.53				

IS1 PENT = Pentafluorobenzene
IS2 14DF = 1,4-Difluorobenzene
IS3 CBD5 = Chlorobenzene-d5
IS4 14DC = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column to be used to flag values outside QC limit with an asterisk.
* Values outside of contract required QC limits

8A

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: OnSite Environmental Contract: GWCC

Lab Code: OSE Case No.: 32-0039 SAS No.: SDG No.: 04-101

Lab File ID (Standard): 0418002.D Date Analyzed: 04/24/00

Instrument ID: ALBERT Time Analyzed: 12:52

GC Column: DB-624 ID: 0.25 (mm) Heated Purge (Y/N): N

	IS1 PENT AREA #	RT #	IS2 14DF AREA #	RT #	IS3CBD5 AREA #	RT #
12 HOUR STD	333767	4.57	534761	5.69	473296	10.45
UPPER LIMIT	667534	5.07	1069522	6.19	946592	10.95
LOWER LIMIT	166884	4.07	267381	5.19	236648	9.95
EPA SAMPLE NO.						
01 M.BLANK2	350972	4.58	587905	5.70	461089	10.46
02 M.BLANKMS	360059	4.58	585401	5.70	458683	10.45
03 M.BLANKMSD	365183	4.58	602832	5.70	469736	10.46
04 MW-12	315106	4.58	486656	5.70	358051	10.45

IS1 PENT = Pentafluorobenzene
IS2 14DF = 1,4-Difluorobenzene
IS3 CBD5 = Chlorobenzene-d5
IS4 14DC = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column to be used to flag values outside QC limit with an asterisk.
* Values outside of contract required QC limits

8A

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: OnSite Environmental Contract: GWCC

Lab Code: OSE Case No.: 32-0039 SAS No.: _____ SDG No.: 04-101

Lab File ID (Standard): 0418002.D Date Analyzed: 04/24/00

Instrument ID: ALBERT Time Analyzed: 12:52

GC Column: DB-624 ID: 0.25 (mm) Heated Purge (Y/N): Y

		IS414DC AREA #	RT #	AREA #	RT #	AREA #	RT #
	12 HOUR STD	227865	14.53				
	UPPER LIMIT	455730	14.03				
	LOWER LIMIT	113933	15.03				
	EPA SAMPLE NO.						
01	M.BLANK2	217046	14.53				
02	M.BLANKMS	217447	14.53				
03	M.BLANKMS	216136	14.53				
04	MW-12	126420	14.54				

IS1 PENT = Pentafluorobenzene
IS2 14DF = 1,4-Difluorobenzene
IS3 CBD5 = Chlorobenzene-d5
IS4 14DC = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column to be used to flag values outside QC limit with an asterisk.
* Values outside of contract required QC limits

VOLATILES SAMPLE DATA

FORM I: ANALYSIS SAMPLE DATA
RAW SAMPLE DATA

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B-10A

Lab Name: OnSite Environmental Contract: GWCC

Lab Code: OSE Case No.: 32-0039 SAS No.: SDG No.: 04-101

Matrix: (soil/water) WATER Lab Sample ID: 04-101-01 1:100

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: 0418011.D

Level: (low/med) LOW Date Received: 04/18/00

% Moisture: not dec. Date Analyzed: 04/19/00

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 100.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/L	Q
	Dichlorodifluoromethane	100	U
	Chloromethane	100	U
	Vinyl Chloride	430	D
	Bromomethane	100	U
	Chloroethane	100	U
	Trichlorofluoromethane	100	U
	1,1-Dichloroethene	100	U
	Acetone	500	U
	Carbon Disulfide	100	U
	Methylene Chloride	500	U
	(trans) 1,2-Dichloroethene	100	U
	1,1-Dichloroethane	100	U
	Vinyl Acetate	500	U
	2,2-Dichloropropane	100	U
	(cis) 1,2-Dichloroethene	4100	D
	2-Butanone	500	U
	Chloroform	100	U
	1,1,1-Trichloroethane	100	U
	Carbon Tetrachloride	100	U
	1,1-Dichloropropene	100	U
	Benzene	100	U
	1,2-Dichloroethane	100	U
	Trichloroethene	100	U
	1,2-Dichloropropane	100	U
	Dibromomethane	100	U
	Bromodichloromethane	100	U
	2-Chloroethyl Vinyl Ether	100	U
	(cis) 1,3-Dichloropropene	100	U
	Toluene	100	U
	(trans) 1,3-Dichloropropene	100	U
	1,1,2-Trichloroethane	100	U
	Tetrachloroethene	120	D
	1,3-Dichloropropane	100	U
	Methyl Isobutyl Ketone	500	U
	Dibromochloromethane	100	U
	1,2-Dibromoethane	100	U
	Chlorobenzene	100	U
	1,1,1,2-Tetrachloroethane	100	U
	Ethylbenzene	300	D

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B-10A

Lab Name: OnSite Environmental Contract: GWCC

Lab Code: OSE Case No.: 32-0039 SAS No.: SDG No.: 04-101

Matrix: (soil/water) WATER Lab Sample ID: 04-101-01 1:100

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: 0418011.D

Level: (low/med) LOW Date Received: 04/18/00

% Moisture: not dec. Date Analyzed: 04/19/00

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 100.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/L	Q
	m,p-Xylene	590	D
	o-Xylene	100	U
	Styrene	100	U
	Bromoform	100	U
	Isopropylbenzene	100	U
	Bromobenzene	100	U
	1,1,2,2-Tetrachloroethane	100	U
	1,2,3-Trichloropropane	100	U
	n-Propylbenzene	100	U
	2-Chlorotoluene	100	U
	4-Chlorotoluene	100	U
	1,3,5-Trimethylbenzene	200	D
	tert-Butylbenzene	100	U
	1,2,4-Trimethylbenzene	370	D
	sec-Butylbenzene	100	U
	1,3-Dichlorobenzene	100	U
	p-Isopropyltoluene	100	U
	1,4-Dichlorobenzene	100	U
	1,2-Dichlorobenzene	100	U
	n-Butylbenzene	100	U
	1,2-Dibromo-3-chloropropane	100	U
	1,2,4-Trichlorobenzene	100	U
	Hexachlorobutadiene	100	U
	Naphthalene	100	U
	1,2,3-Trichlorobenzene	100	U

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\APRIL00\A000419\0418011.D Vial: 11
Acq On : 19 Apr 2000 6:54 pm Operator:
Sample : 04-101-01 1:100 Inst : GC/MS Ins
Misc : B-10A Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 27 14:30 2000 Quant Results File: 0417HIGH.RES

Quant Method : C:\HPCHEM\1\METHODS\0417HIGH.M (RTE Integrator)
Title : 8260 Calibration
Last Update : Tue Apr 18 11:21:09 2000
Response via : Initial Calibration
DataAcq Meth : 0417HIGH

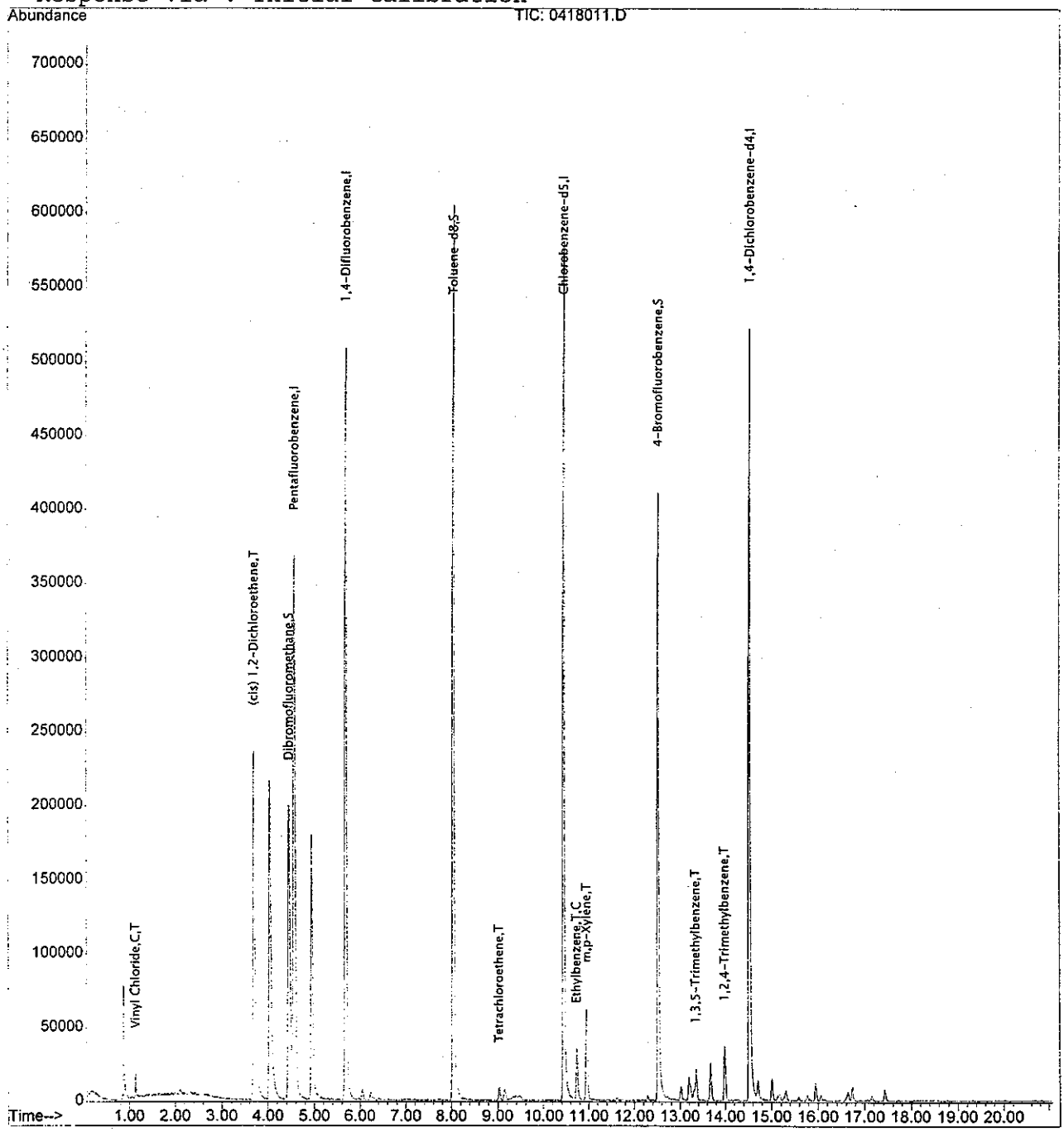
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.57	168	391240	50.00	ppb	-0.02
25) 1,4-Difluorobenzene	5.70	114	658113	50.00	ppb	-0.02
34) Chlorobenzene-d5	10.45	117	518175	50.00	ppb	-0.02
48) 1,4-Dichlorobenzene-d4	14.53	152	221438	50.00	ppb	-0.02
System Monitoring Compounds						
20) Dibromofluoromethane	4.46	111	227663	54.09	ppb	-0.02
Spiked Amount 50.000			Recovery =	108.18%		
32) Toluene-d8	8.05	98	609948	53.18	ppb	-0.02
Spiked Amount 50.000			Recovery =	106.36%		
51) 4-Bromofluorobenzene	12.53	95	229357	58.84	ppb	-0.01
Spiked Amount 50.000			Recovery =	117.68%		
Target Compounds						Qvalue
4) Vinyl Chloride	1.14	62	8329	4.34	ppb	95
16) (cis) 1,2-Dichloroethene	3.70	61	204746	40.56	ppb	98
37) Tetrachloroethene	9.04	166	4012	1.21	ppb	91
44) Ethylbenzene	10.74	91	38206	2.96	ppb	99
45) m,p-Xylene	10.95	91	57732	5.93	ppb	100
58) 1,3,5-Trimethylbenzene	13.36	105	18165	1.99	ppb	98
60) 1,2,4-Trimethylbenzene	13.99	105	34018	3.67	ppb	100

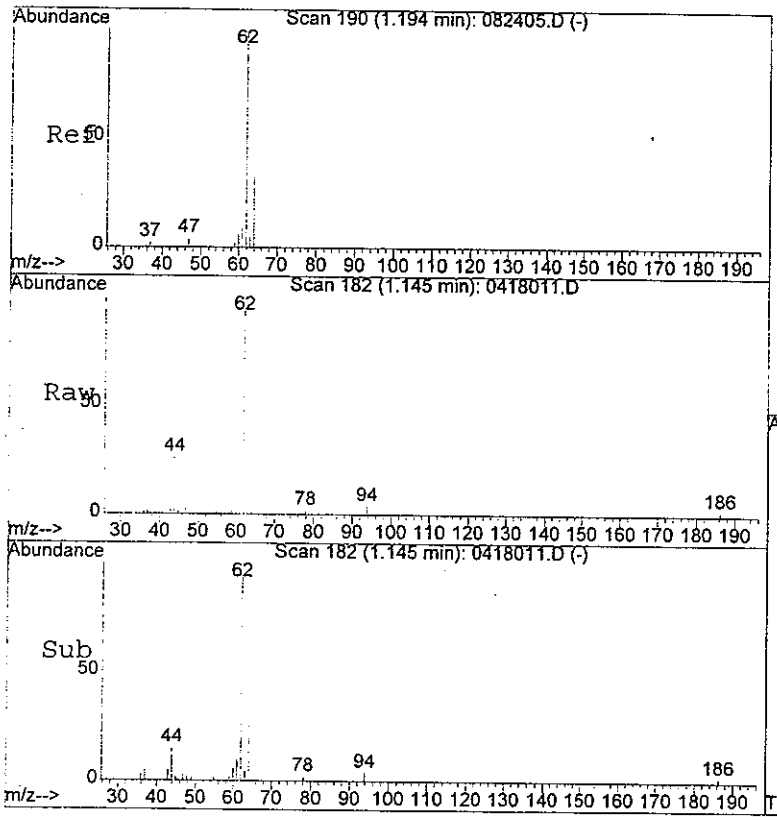
(#) = qualifier out of range (m) = manual integration
0418011.D 0417HIGH.M Fri May 12 09:59:21 2000

Quantitation Report

Data File : C:\HPCHEM\1\APRIL00\A000419\0418011.D Vial: 11
Acq On : 19 Apr 2000 6:54 pm Operator:
Sample : 04-101-01 1:100 Inst : GC/MS Ins
Misc : B-10A Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 27 14:30 2000 Quant Results File: 0417HIGH.RES

Method : C:\HPCHEM\1\METHODS\0417HIGH.M (RTE Integrator)
Title : 8260 Calibration
Last Update : Tue Apr 18 11:21:09 2000
Response via : Initial Calibration

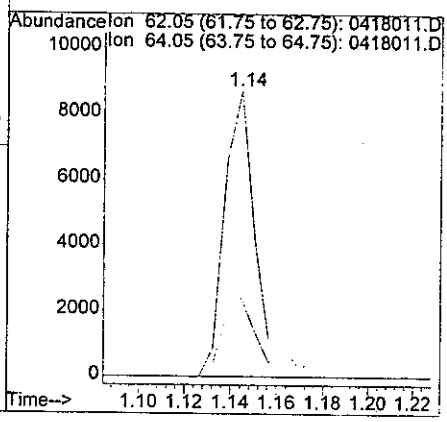


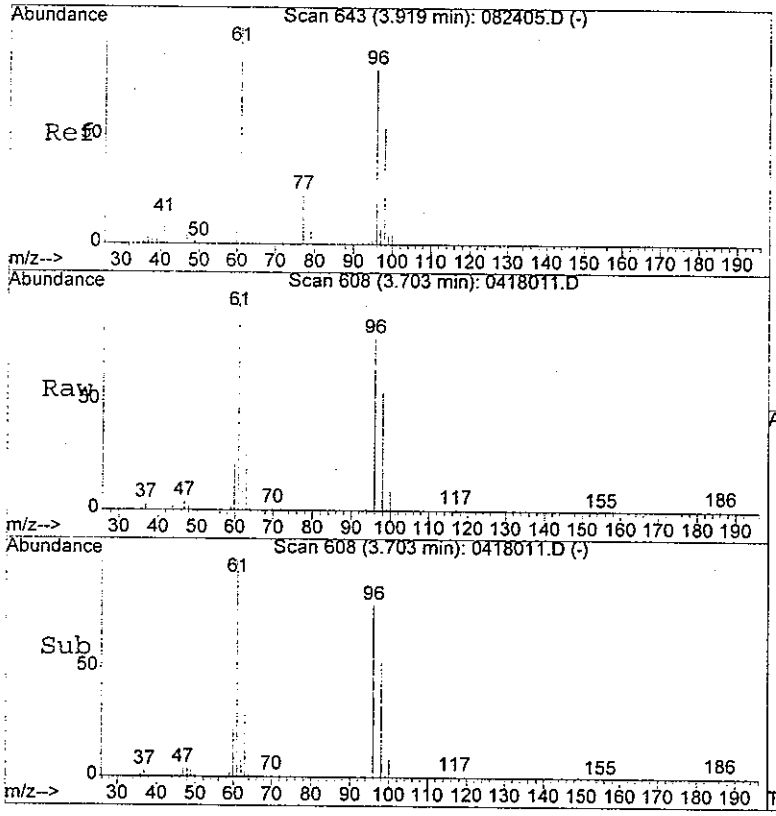


#4
Vinyl Chloride
Concen: 4.34 ppb
RT: 1.14 min Scan# 182
Delta R.T. -0.00 min
Lab File: 0418011.D
Acq: 19 Apr 2000 6:54 pm

Tgt Ion: 62 Resp: 8329

Ion	Ratio	Lower	Upper
62	100		
64	29.3	25.8	38.6

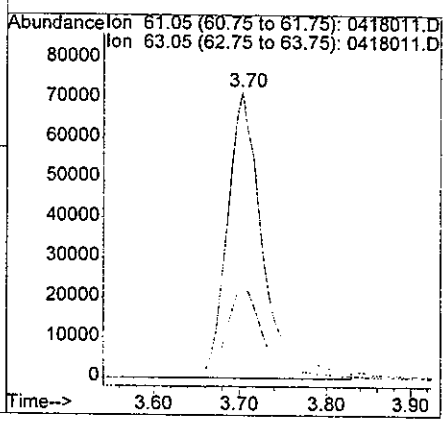


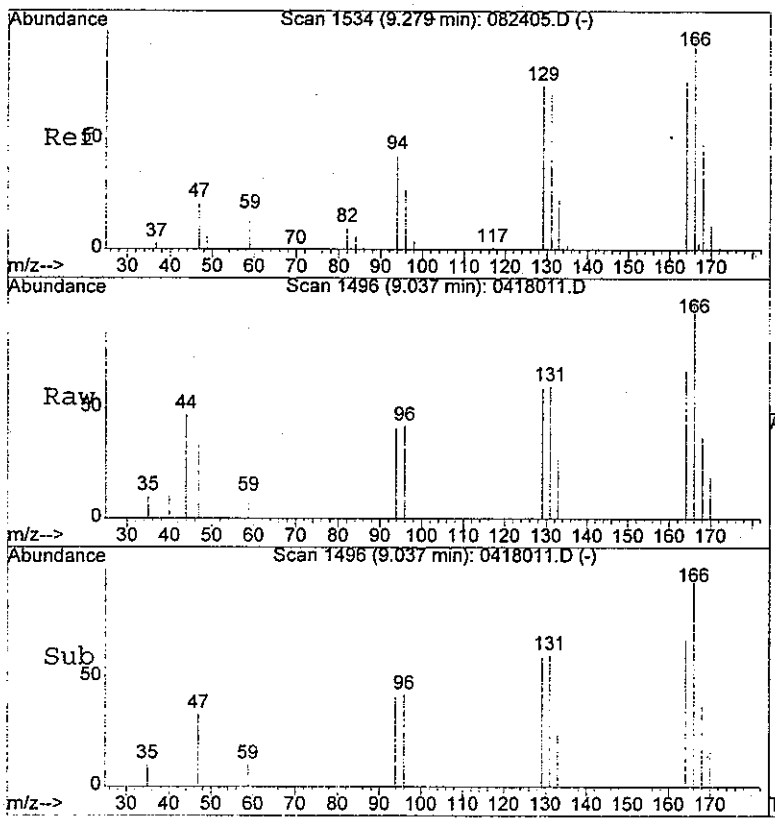


#16
(cis) 1,2-Dichloroethene
Concen: 40.56 ppb
RT: 3.70 min Scan# 608
Delta R.T. -0.02 min
Lab File: 0418011.D
Acq: 19 Apr 2000 6:54 pm

Tgt Ion: 61 Resp: 204746

Ion	Ratio	Lower	Upper
61	100		
63	33.3	25.8	38.8

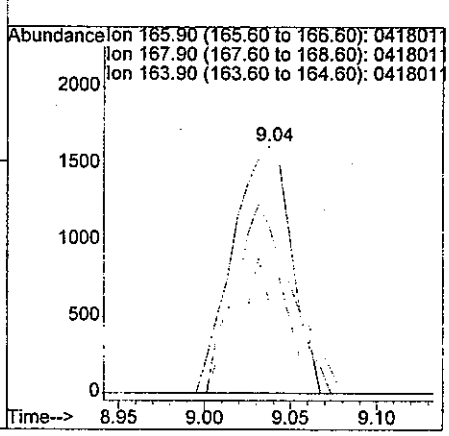


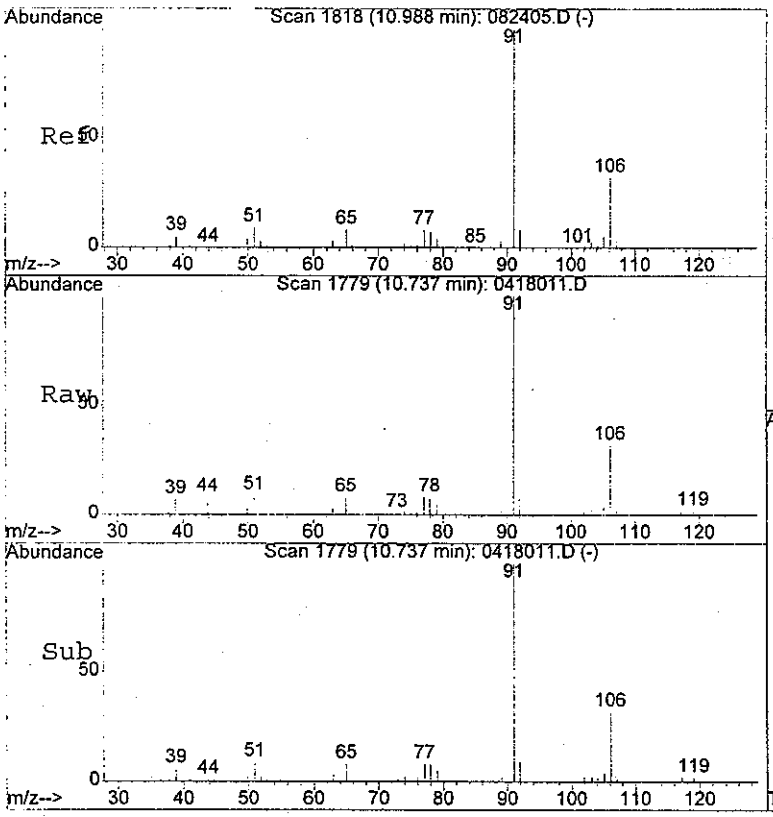


#37
Tetrachloroethene
Concen: 1.21 ppb
RT: 9.04 min Scan# 1496
Delta R.T. -0.02 min
Lab File: 0418011.D
Acq: 19 Apr 2000 6:54 pm

Tgt Ion:166 Resp: 4012

Ion	Ratio	Lower	Upper
166	100		
168	45.1	38.6	58.0
164	68.2	62.1	93.1

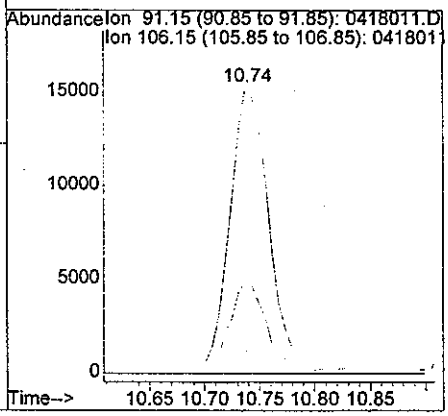


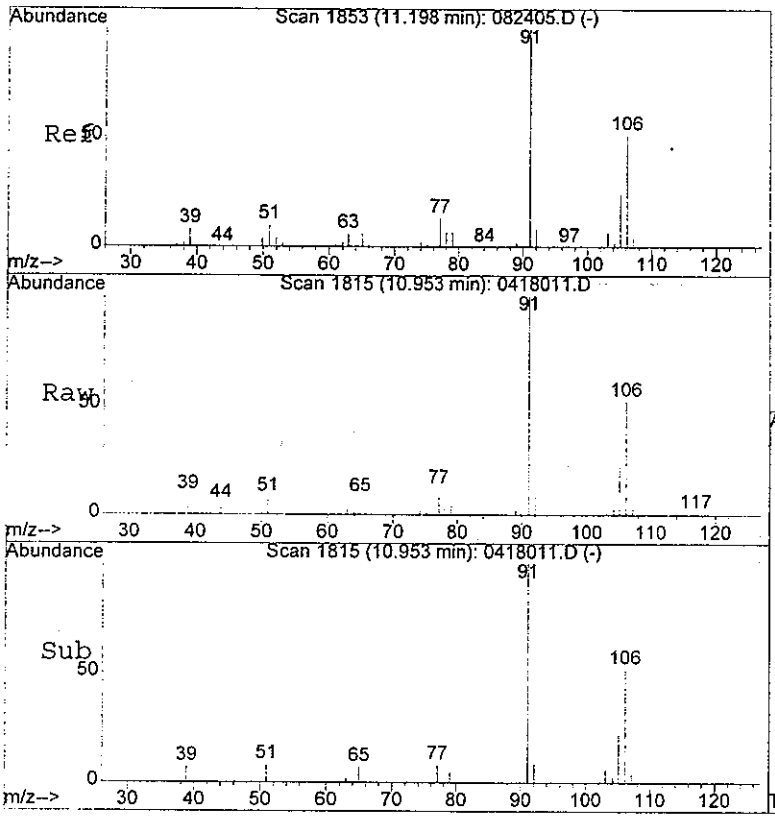


#44
Ethylbenzene
Concen: 2.96 ppb
RT: 10.74 min Scan# 1779
Delta R.T. -0.02 min
Lab File: 0418011.D
Acq: 19 Apr 2000 6:54 pm

Tgt Ion: 91 Resp: 38206

Ion	Ratio	Lower	Upper
91	100		
106	31.4	24.6	36.8

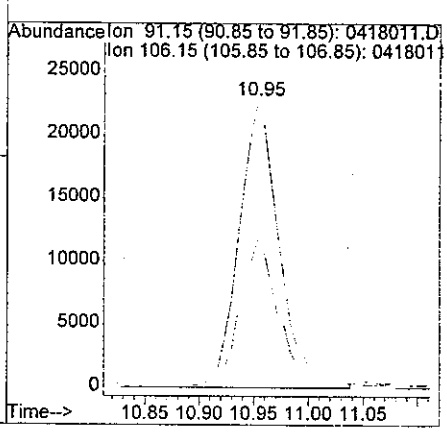


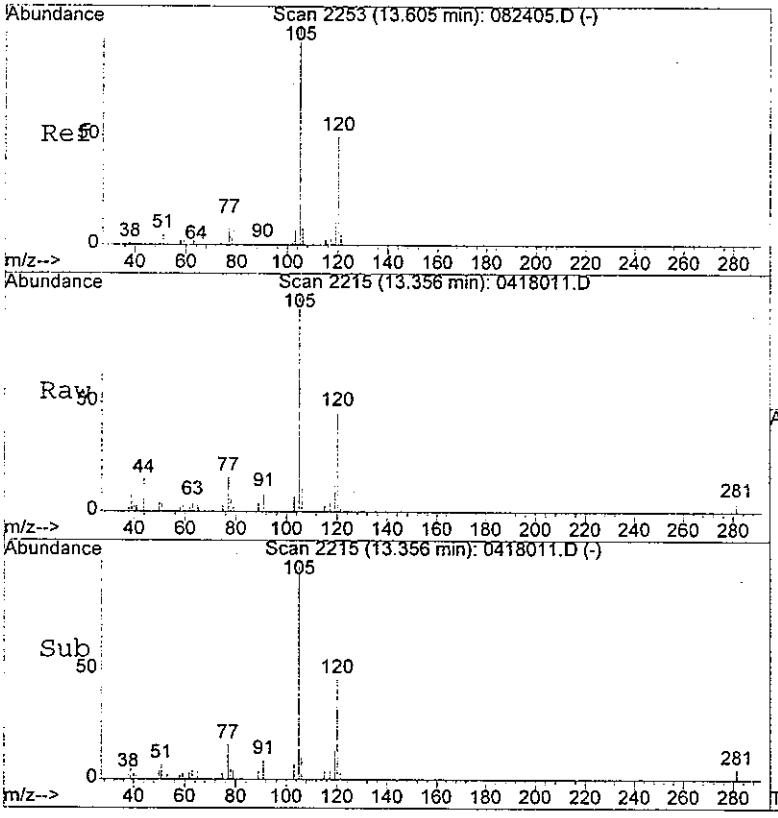


#45
m,p-Xylene
Concen: 5.93 ppb
RT: 10.95 min Scan# 1815
Delta R.T. -0.02 min
Lab File: 0418011.D
Acq: 19 Apr 2000 6:54 pm

Tgt Ion: 91 Resp: 57732

Ion	Ratio	Lower	Upper
91	100		
106	50.1	39.9	59.9

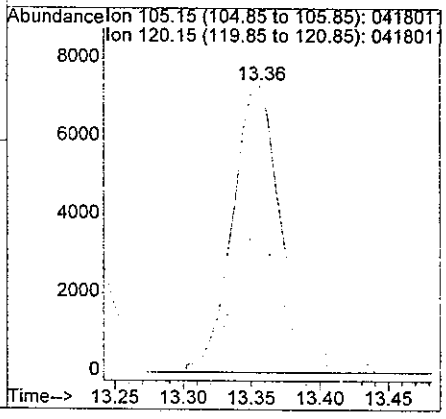


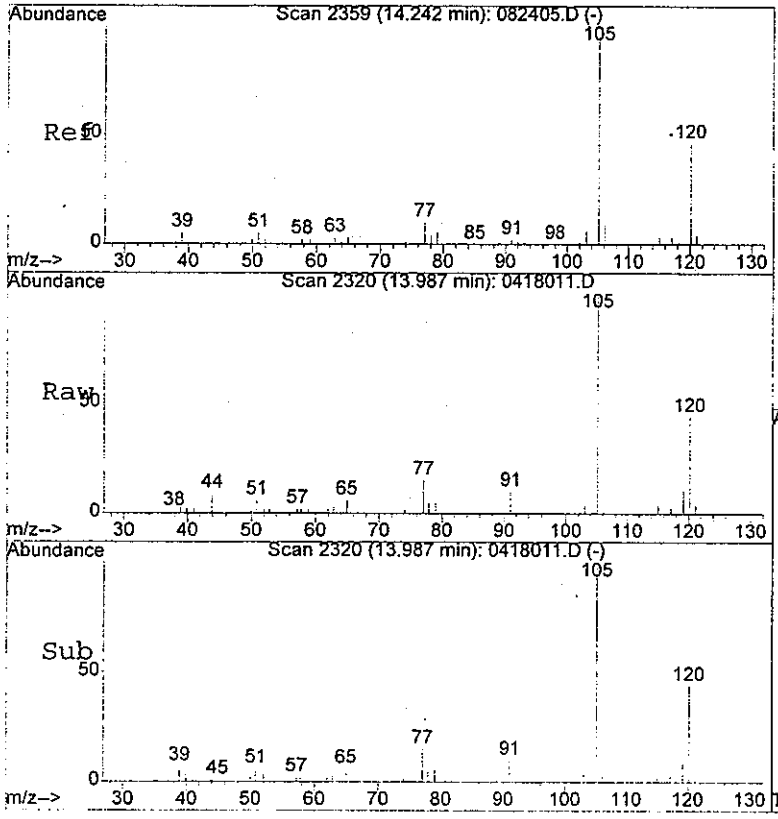


#58
1,3,5-Trimethylbenzene
Concen: 1.99 ppb
RT: 13.36 min Scan# 2215
Delta R.T. -0.01 min
Lab File: 0418011.D
Acq: 19 Apr 2000 6:54 pm

Tgt Ion:105 Resp: 18165

Ion	Ratio	Lower	Upper
105	100		
120	48.1	39.4	59.0

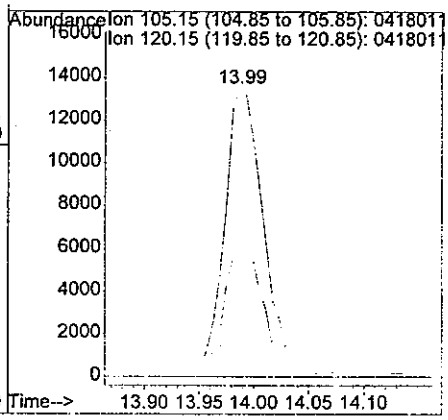




#60
1,2,4-Trimethylbenzene
Concen: 3.67 ppb
RT: 13.99 min Scan# 2320
Delta R.T. -0.02 min
Lab File: 0418011.D
Acq: 19 Apr 2000 6:54 pm

Tgt Ion:105 Resp: 34018

Ion	Ratio	Lower	Upper
105	100		
120	45.9	36.8	55.2



1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B-11

Lab Name: OnSite Environmental Contract: .GWCC

Lab Code: OSE Case No.: 32-0039 SAS No.: SDG No.: 04-101

Matrix: (soil/water) WATER Lab Sample ID: 04-101-02 1:100

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: 0418012.D

Level: (low/med) LOW Date Received: 04/18/00

% Moisture: not dec. Date Analyzed: 04/19/00

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 100.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/L	Q
	Dichlorodifluoromethane	100	U
	Chloromethane	100	U
	Vinyl Chloride	100	U
	Bromomethane	100	U
	Chloroethane	100	U
	Trichlorofluoromethane	100	U
	1,1-Dichloroethene	100	U
	Acetone	500	U
	Carbon Disulfide	100	U
	Methylene Chloride	500	U
	(trans) 1,2-Dichloroethene	100	U
	1,1-Dichloroethane	100	U
	Vinyl Acetate	500	U
	2,2-Dichloropropane	100	U
	(cis) 1,2-Dichloroethene	2800	D
	2-Butanone	500	U
	Chloroform	100	U
	1,1,1-Trichloroethane	400	D
	Carbon Tetrachloride	100	U
	1,1-Dichloropropene	100	U
	Benzene	100	U
	1,2-Dichloroethane	100	U
	Trichloroethene	6200	D
	1,2-Dichloropropane	100	U
	Dibromomethane	100	U
	Bromodichloromethane	100	U
	2-Chloroethyl Vinyl Ether	100	U
	(cis) 1,3-Dichloropropene	100	U
	Toluene	100	U
	(trans) 1,3-Dichloropropene	100	U
	1,1,2-Trichloroethane	100	U
	Tetrachloroethene	26000	ED
	1,3-Dichloropropane	100	U
	Methyl Isobutyl Ketone	500	U
	Dibromochloromethane	100	U
	1,2-Dibromoethane	100	U
	Chlorobenzene	100	U
	1,1,1,2-Tetrachloroethane	100	U
	Ethylbenzene	100	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B-11

Lab Name: OnSite Environmental Contract: GWCC

Lab Code: OSE Case No.: 32-0039 SAS No.: SDG No.: 04-101

Matrix: (soil/water) WATER Lab Sample ID: 04-101-02 1:100

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: 0418012.D

Level: (low/med) LOW Date Received: 04/18/00

% Moisture: not dec. Date Analyzed: 04/19/00

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 100.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
	m,p-Xylene	200	U
	o-Xylene	100	U
	Styrene	100	U
	Bromoform	100	U
	Isopropylbenzene	100	U
	Bromobenzene	100	U
	1,1,2,2-Tetrachloroethane	100	U
	1,2,3-Trichloropropane	100	U
	n-Propylbenzene	100	U
	2-Chlorotoluene	100	U
	4-Chlorotoluene	100	U
	1,3,5-Trimethylbenzene	100	U
	tert-Butylbenzene	100	U
	1,2,4-Trimethylbenzene	100	U
	sec-Butylbenzene	100	U
	1,3-Dichlorobenzene	100	U
	p-Isopropyltoluene	100	U
	1,4-Dichlorobenzene	100	U
	1,2-Dichlorobenzene	100	U
	n-Butylbenzene	100	U
	1,2-Dibromo-3-chloropropane	100	U
	1,2,4-Trichlorobenzene	100	U
	Hexachlorobutadiene	100	U
	Naphthalene	100	U
	1,2,3-Trichlorobenzene	100	U

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\APRIL00\A000419\0418012.D Vial: 12
Acq On : 19 Apr 2000 7:26 pm Operator:
Sample : 04-101-02 1:100 Inst : GC/MS Ins
Misc : B-11 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 27 14:32 2000 Quant Results File: 0417HIGH.RES

Quant Method : C:\HPCHEM\1\METHODS\0417HIGH.M (RTE Integrator)
Title : 8260 Calibration
Last Update : Tue Apr 18 11:21:09 2000
Response via : Initial Calibration
DataAcq Meth : 0417HIGH

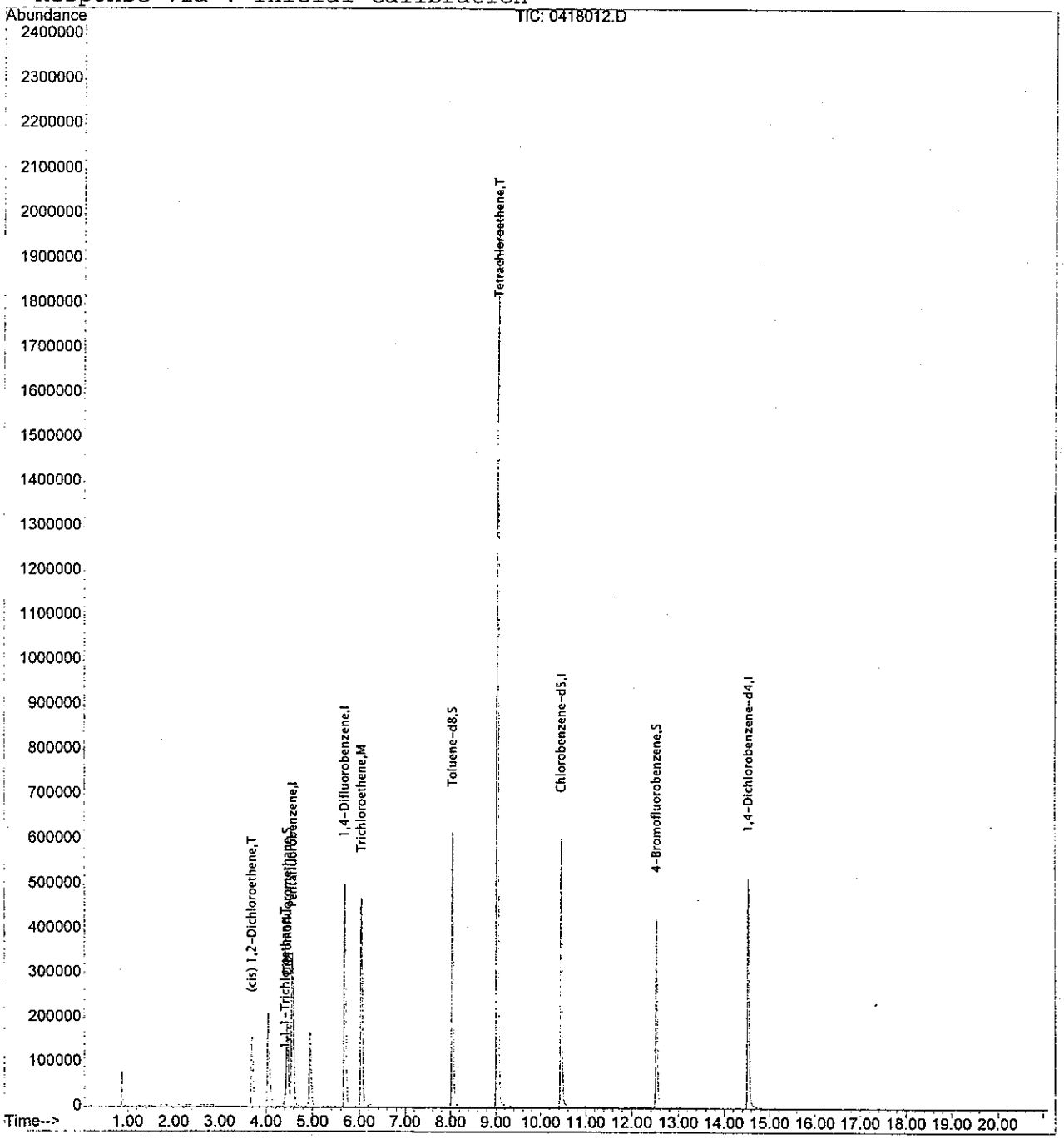
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Pentafluorobenzene	4.58	168	375327	50.00 ppb	-0.02
25) 1,4-Difluorobenzene	5.70	114	645829	50.00 ppb	-0.03
34) Chlorobenzene-d5	10.46	117	541536	50.00 ppb	-0.01
48) 1,4-Dichlorobenzene-d4	14.54	152	220656	50.00 ppb	-0.01
System Monitoring Compounds					
20) Dibromofluoromethane	4.46	111	217130	53.77 ppb	-0.02
Spiked Amount 50.000			Recovery =	107.54%	
32) Toluene-d8	8.05	98	600631	53.37 ppb	-0.02
Spiked Amount 50.000			Recovery =	106.74%	
51) 4-Bromofluorobenzene	12.52	95	233165	60.03 ppb	-0.01
Spiked Amount 50.000			Recovery =	120.06%	
Target Compounds					Qvalue
16) (cis) 1,2-Dichloroethene	3.71	61	136463	28.18 ppb	98
19) 1,1,1-Trichloroethane	4.41	97	19992	4.02 ppb	90
26) Trichloroethene	6.06	130	240433	61.97 ppb	98
37) Tetrachloroethene	9.03	166	896062	258.55 ppb	99

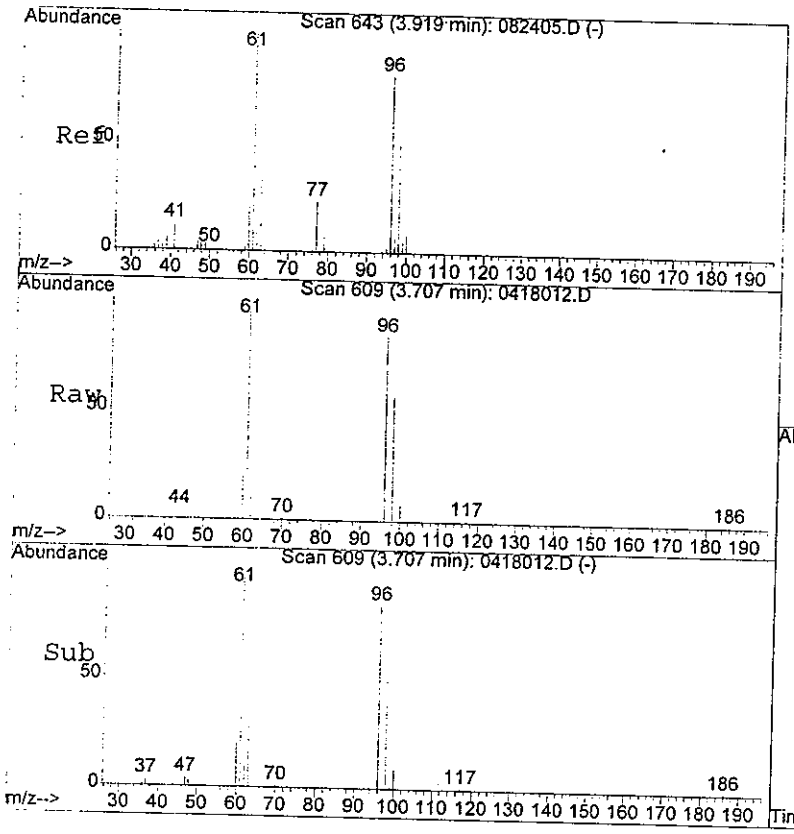
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\APRIL00\A000419\0418012.D Vial: 12
Acq On : 19 Apr 2000 7:26 pm Operator:
Sample : 04-101-02 1:100 Inst : GC/MS Ins
Misc : B-11 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 27 14:32 2000 Quant Results File: 0417HIGH.RES

Method : C:\HPCHEM\1\METHODS\0417HIGH.M (RTE Integrator)
Title : 8260 Calibration
Last Update : Tue Apr 18 11:21:09 2000
Response via : Initial Calibration

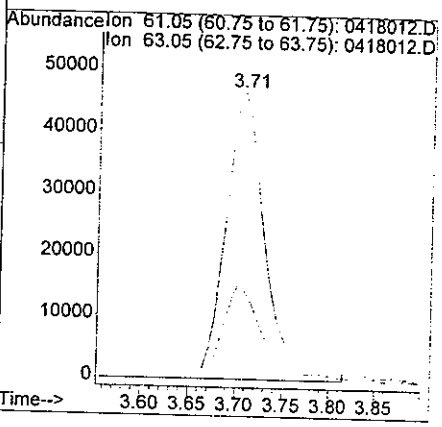


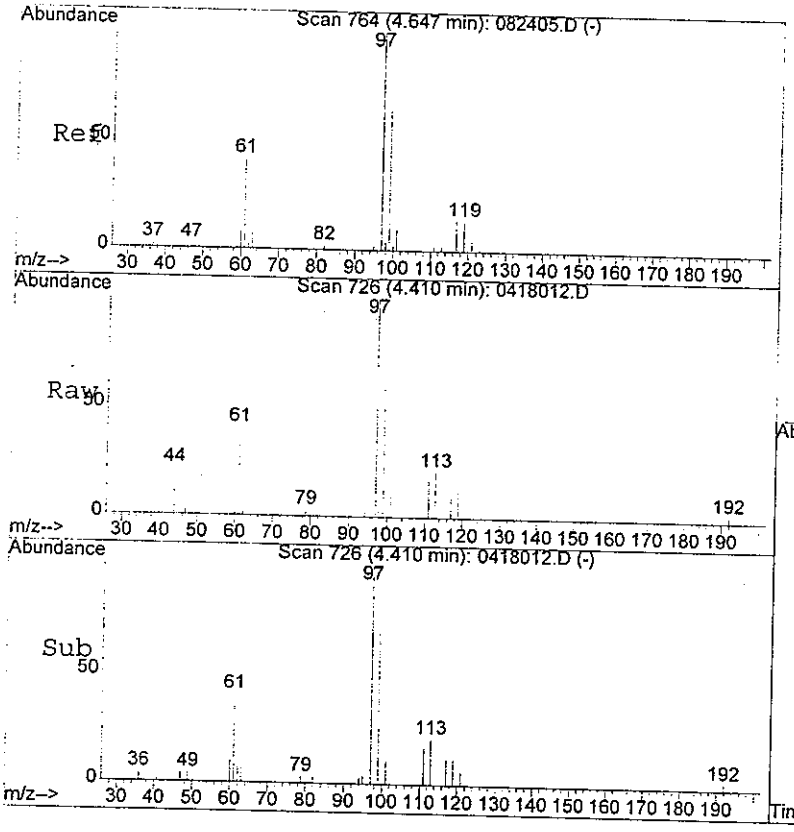


#16
(cis) 1,2-Dichloroethene
Concen: 28.18 ppb
RT: 3.71 min Scan# 609
Delta R.T. -0.02 min
Lab File: 0418012.D
Acq: 19 Apr 2000 7:26 pm

Tgt Ion: 61 Resp: 136463

Ion	Ratio	Lower	Upper
61	100		
63	33.5	25.8	38.8

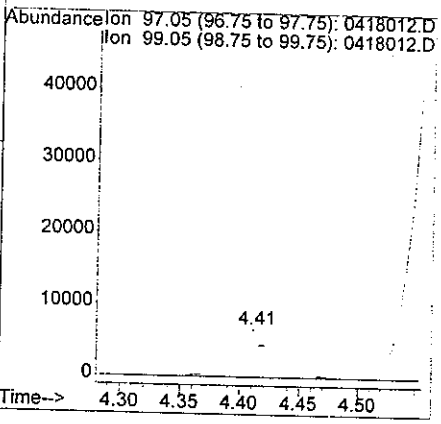


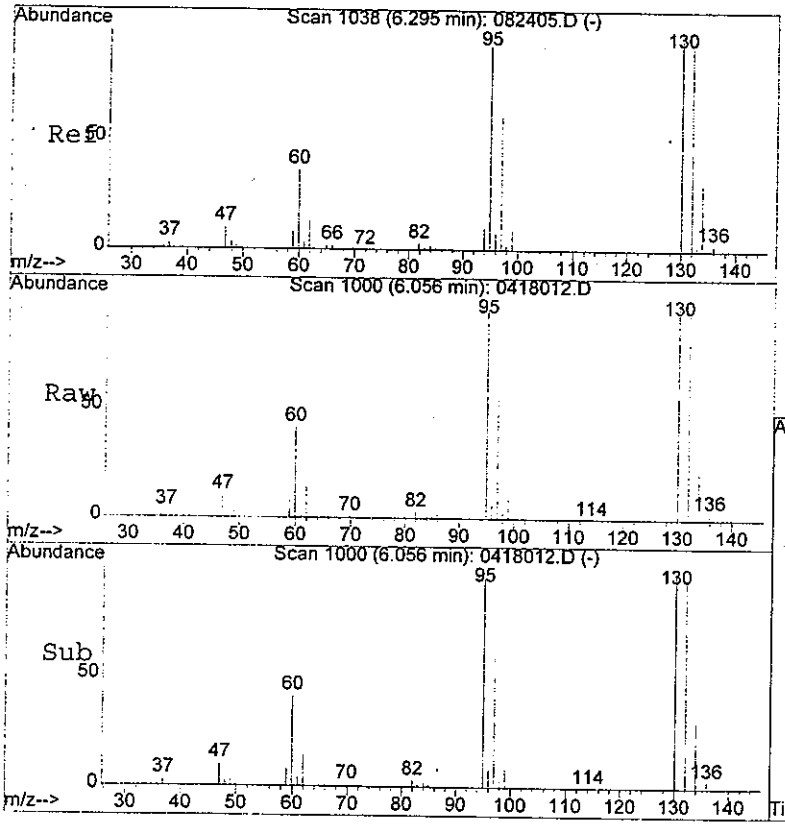


#19
1,1,1-Trichloroethane
Concen: 4.02 ppb
RT: 4.41 min Scan# 726
Delta R.T. -0.03 min
Lab File: 0418012.D
Acq: 19 Apr 2000 7:26 pm

Tgt Ion: 97 Resp: 19992

Ion	Ratio	Lower	Upper
97	100		
99	72.6	51.5	77.3

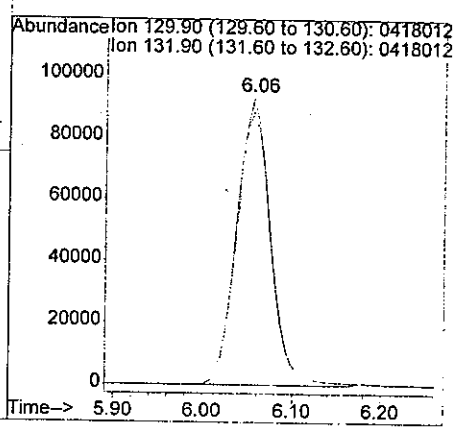


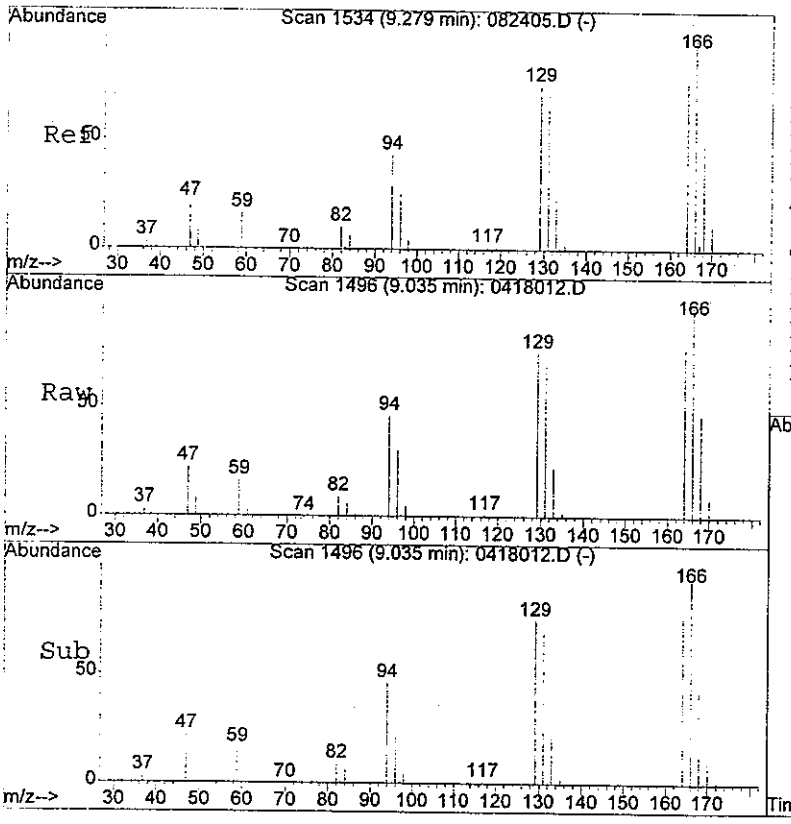


#26
Trichloroethene
Concen: 61.97 ppb
RT: 6.06 min Scan# 1000
Delta R.T. -0.02 min
Lab File: 0418012.D
Acq: 19 Apr 2000 7:26 pm

Tgt Ion:130 Resp: 240433

Ion	Ratio	Lower	Upper
130	100		
132	96.6	75.9	113.9

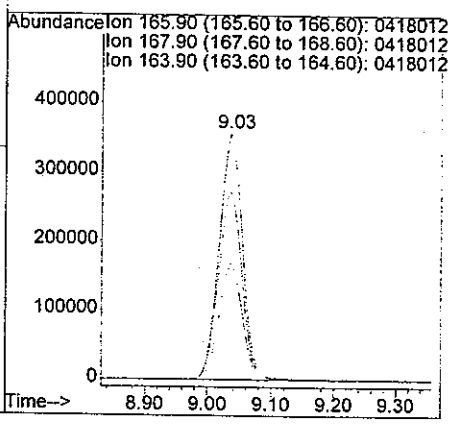




#37
Tetrachloroethene
Concen: 258.55 ppb
RT: 9.03 min Scan# 1496
Delta R.T. -0.02 min
Lab File: 0418012.D
Acq: 19 Apr 2000 7:26 pm

Tgt Ion:166 Resp: 896062

Ion	Ratio	Lower	Upper
166	100		
168	47.4	38.6	58.0
164	77.5	62.1	93.1



1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B-44

Lab Name: OnSite Environmental Contract: GWCC

Lab Code: OSE Case No.: 32-0039 SAS No.: SDG No.: 04-101

Matrix: (soil/water) WATER Lab Sample ID: 04-101-03 1:100

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: 0418013.D

Level: (low/med) LOW Date Received: 04/18/00

% Moisture: not dec. Date Analyzed: 04/19/00

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 100.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/L	Q
	Dichlorodifluoromethane	100	U
	Chloromethane	100	U
	Vinyl Chloride	780	D
	Bromomethane	100	U
	Chloroethane	100	U
	Trichlorofluoromethane	100	U
	1,1-Dichloroethene	100	U
	Acetone	500	U
	Carbon Disulfide	100	U
	Methylene Chloride	500	U
	(trans) 1,2-Dichloroethene	190	D
	1,1-Dichloroethane	100	U
	Vinyl Acetate	500	U
	2,2-Dichloropropane	100	U
	(cis) 1,2-Dichloroethene	17000	D
	2-Butanone	500	U
	Chloroform	100	U
	1,1,1-Trichloroethane	850	D
	Carbon Tetrachloride	100	U
	1,1-Dichloropropene	100	U
	Benzene	100	U
	1,2-Dichloroethane	100	U
	Trichloroethene	11000	D
	1,2-Dichloropropane	100	U
	Dibromomethane	100	U
	Bromodichloromethane	100	U
	2-Chloroethyl Vinyl Ether	100	U
	(cis) 1,3-Dichloropropene	100	U
	Toluene	3100	D
	(trans) 1,3-Dichloropropene	100	U
	1,1,2-Trichloroethane	100	U
	Tetrachloroethene	63000	ED
	1,3-Dichloropropane	100	U
	Methyl Isobutyl Ketone	500	U
	Dibromochloromethane	100	U
	1,2-Dibromoethane	100	U
	Chlorobenzene	100	U
	1,1,1,2-Tetrachloroethane	100	U
	Ethylbenzene	500	D

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B-44

Lab Name: OnSite Environmental Contract: GWCC

Lab Code: OSE Case No.: 32-0039 SAS No.: SDG No.: 04-101

Matrix: (soil/water) WATER Lab Sample ID: 04-101-03 1:100

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: 0418013.D

Level: (low/med) LOW Date Received: 04/18/00

% Moisture: not dec. Date Analyzed: 04/19/00

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 100.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
	m,p-Xylene	720	D
	o-Xylene	460	D
	Styrene	100	U
	Bromoform	100	U
	Isopropylbenzene	100	U
	Bromobenzene	100	U
	1,1,2,2-Tetrachloroethane	100	U
	1,2,3-Trichloropropane	100	U
	n-Propylbenzene	100	U
	2-Chlorotoluene	100	U
	4-Chlorotoluene	100	U
	1,3,5-Trimethylbenzene	100	U
	tert-Butylbenzene	100	U
	1,2,4-Trimethylbenzene	150	D
	sec-Butylbenzene	100	U
	1,3-Dichlorobenzene	100	U
	p-Isopropyltoluene	100	U
	1,4-Dichlorobenzene	100	U
	1,2-Dichlorobenzene	250	D
	n-Butylbenzene	100	U
	1,2-Dibromo-3-chloropropane	100	U
	1,2,4-Trichlorobenzene	100	U
	Hexachlorobutadiene	100	U
	Naphthalene	100	U
	1,2,3-Trichlorobenzene	100	U

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\APRIL00\A000419\0418013.D Vial: 13
Acq On : 19 Apr 2000 7:59 pm Operator:
Sample : 04-101-03 1:100 Inst : GC/MS Ins
Misc : B-44 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 27 14:35 2000 Quant Results File: 0417HIGH.RES

Quant Method : C:\HPCHEM\1\METHODS\0417HIGH.M (RTE Integrator)
Title : 8260 Calibration
Last Update : Tue Apr 18 11:21:09 2000
Response via : Initial Calibration
DataAcq Meth : 0417HIGH

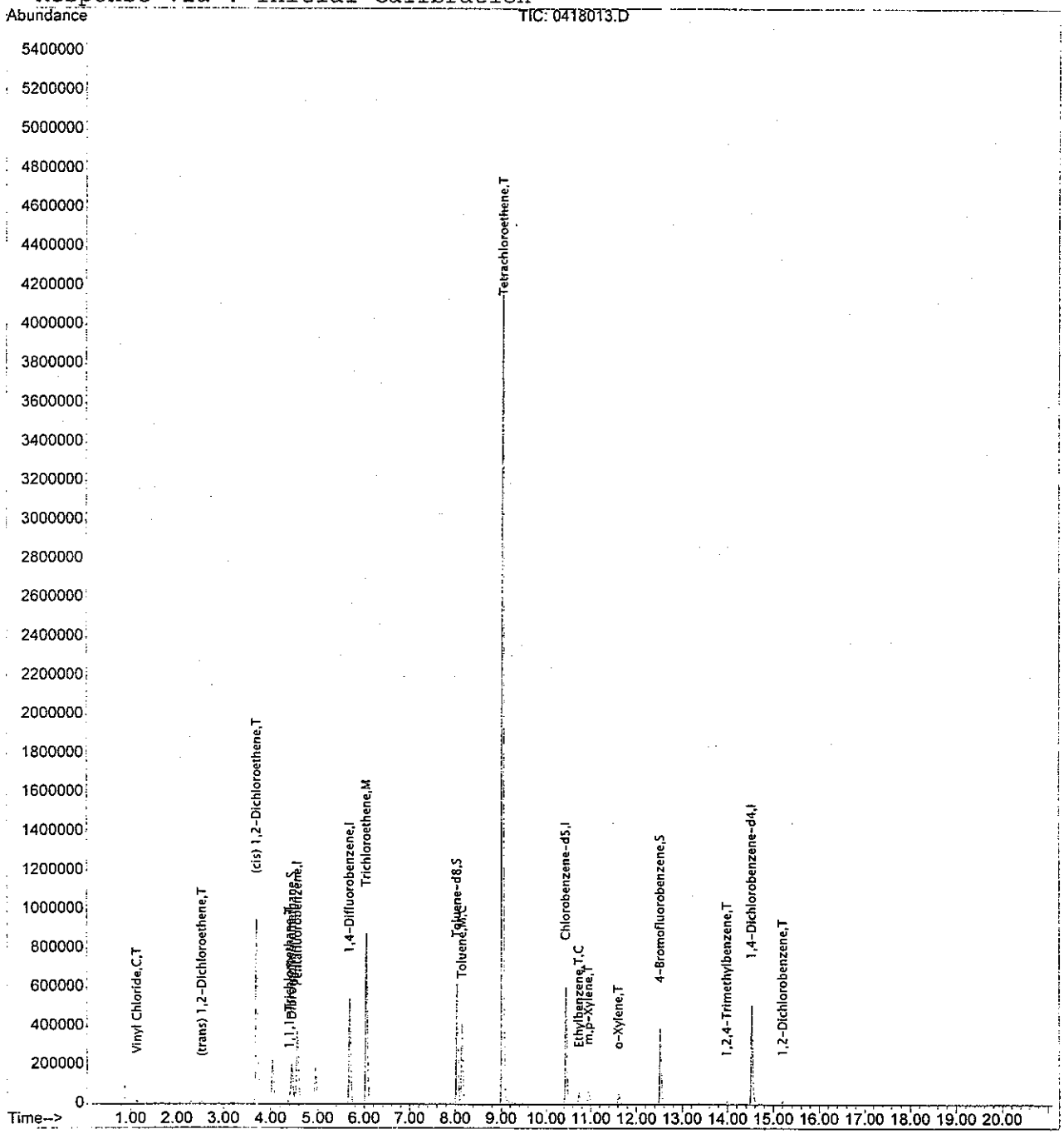
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Pentafluorobenzene	4.58	168	400257	50.00 ppb	-0.02
25) 1,4-Difluorobenzene	5.69	114	685389	50.00 ppb	-0.03
34) Chlorobenzene-d5	10.45	117	531385	50.00 ppb	-0.02
48) 1,4-Dichlorobenzene-d4	14.54	152	218670	50.00 ppb	-0.02
System Monitoring Compounds					
20) Dibromofluoromethane	4.46	111	222121	51.58 ppb	-0.02
Spiked Amount 50.000			Recovery =	103.16%	
32) Toluene-d8	8.05	98	628483	52.62 ppb	-0.02
Spiked Amount 50.000			Recovery =	105.24%	
51) 4-Bromofluorobenzene	12.52	95	214467	55.72 ppb	-0.02
Spiked Amount 50.000			Recovery =	111.44%	
Target Compounds					Qvalue
4) Vinyl Chloride	1.14	62	15396	7.84 ppb	99
12) (trans) 1,2-Dichloroethene	2.54	61	4740	1.93 ppb	94
16) (cis) 1,2-Dichloroethene	3.71	61	864087	167.31 ppb	99
19) 1,1,1-Trichloroethane	4.41	97	45177	8.52 ppb	100
26) Trichloroethene	6.06	130	438106	106.40 ppb	98
33) Toluene	8.16	91	437433	31.00 ppb	99
37) Tetrachloroethene	9.04	166	2149813	632.15 ppb	100
44) Ethylbenzene	10.74	91	66773	5.05 ppb	100
45) m,p-Xylene	10.96	91	72113	7.22 ppb	99
46) o-Xylene	11.62	91	47608	4.60 ppb	97
60) 1,2,4-Trimethylbenzene	13.99	105	13936	1.52 ppb	96
65) 1,2-Dichlorobenzene	15.21	146	12793	2.52 ppb	98

(#) = qualifier out of range (m) = manual integration

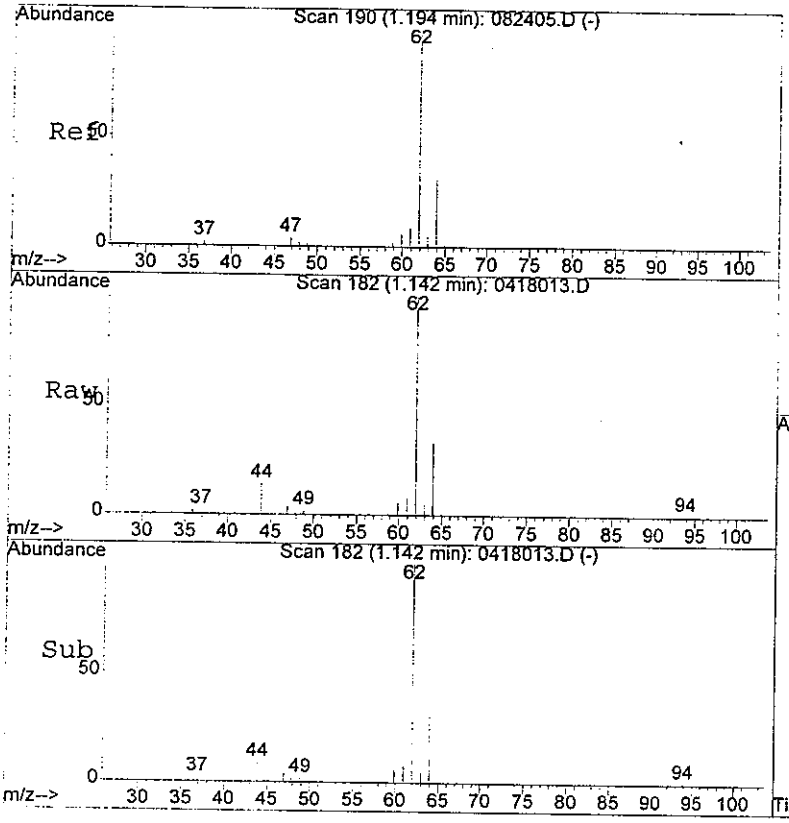
Quantitation Report

Data File : C:\HPCHEM\1\APRIL00\A000419\0418013.D Vial: 13
Acq On : 19 Apr 2000 7:59 pm Operator:
Sample : 04-101-03 1:100 Inst : GC/MS Ins
Misc : B-44 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 27 14:35 2000 Quant Results File: 0417HIGH.RES

Method : C:\HPCHEM\1\METHODS\0417HIGH.M (RTE Integrator)
Title : 8260 Calibration
Last Update : Tue Apr 18 11:21:09 2000
Response via : Initial Calibration



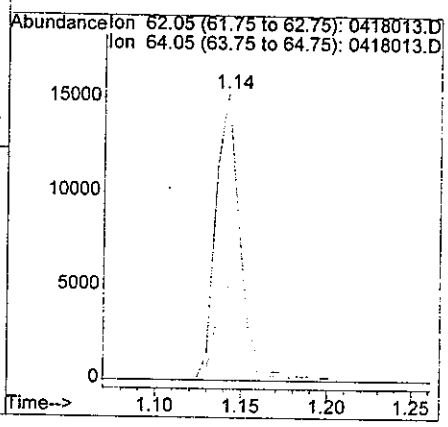
80

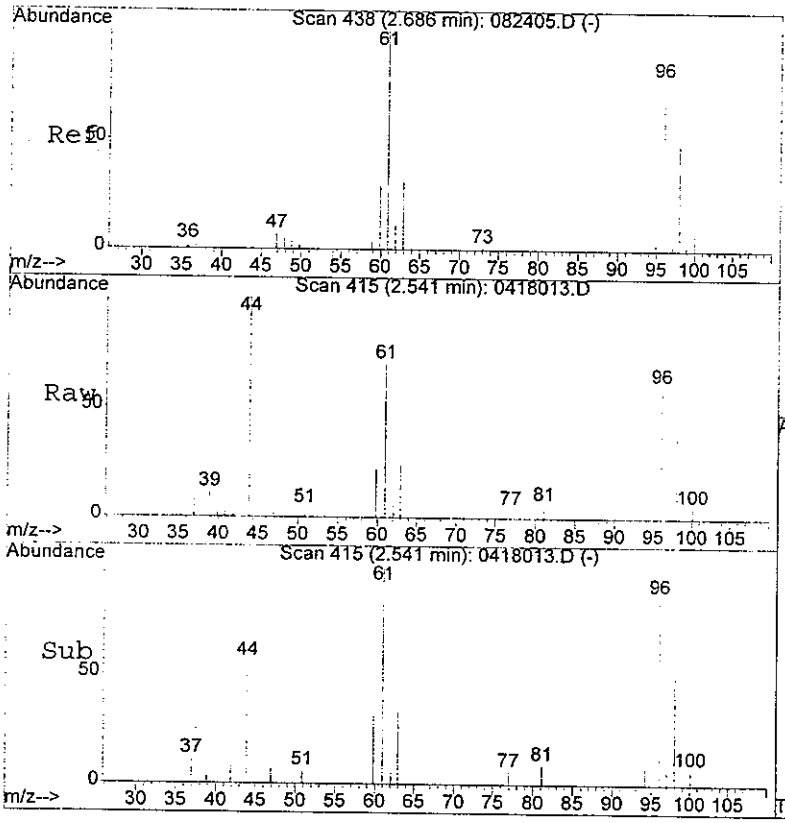


#4
Vinyl Chloride
Concen: 7.84 ppb
RT: 1.14 min Scan# 182
Delta R.T. -0.00 min
Lab File: 0418013.D
Acq: 19 Apr 2000 7:59 pm

Tgt Ion: 62 Resp: 15396

Ion	Ratio	Lower	Upper
62	100		
64	32.6	25.8	38.6

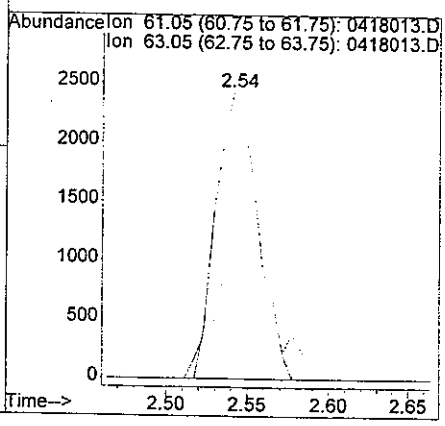


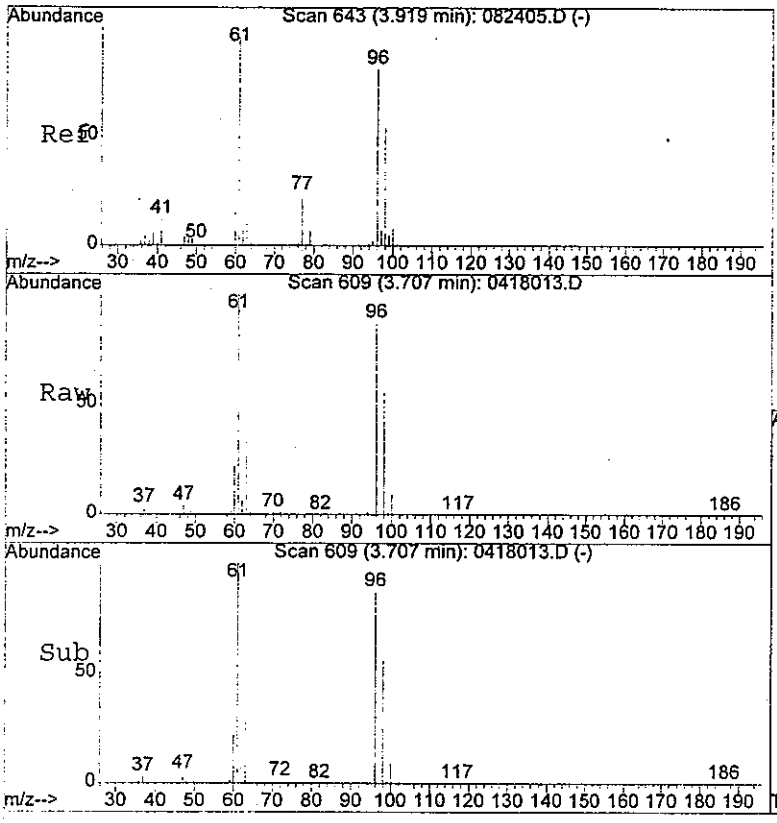


#12
(trans) 1,2-Dichloroethene
Concen: 1.93 ppb
RT: 2.54 min Scan# 415
Delta R.T. -0.02 min
Lab File: 0418013.D
Acq: 19 Apr 2000 7:59 pm

Tgt Ion: 61 Resp: 4740

Ion	Ratio	Lower	Upper
61	100		
63	34.7	25.3	37.9

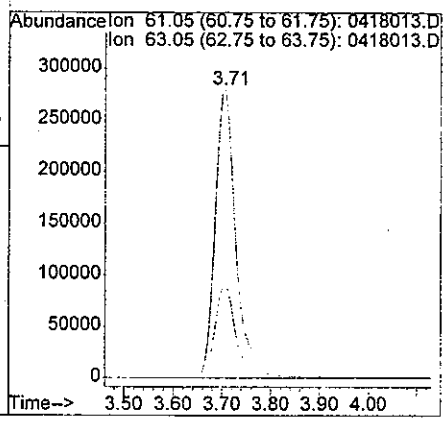


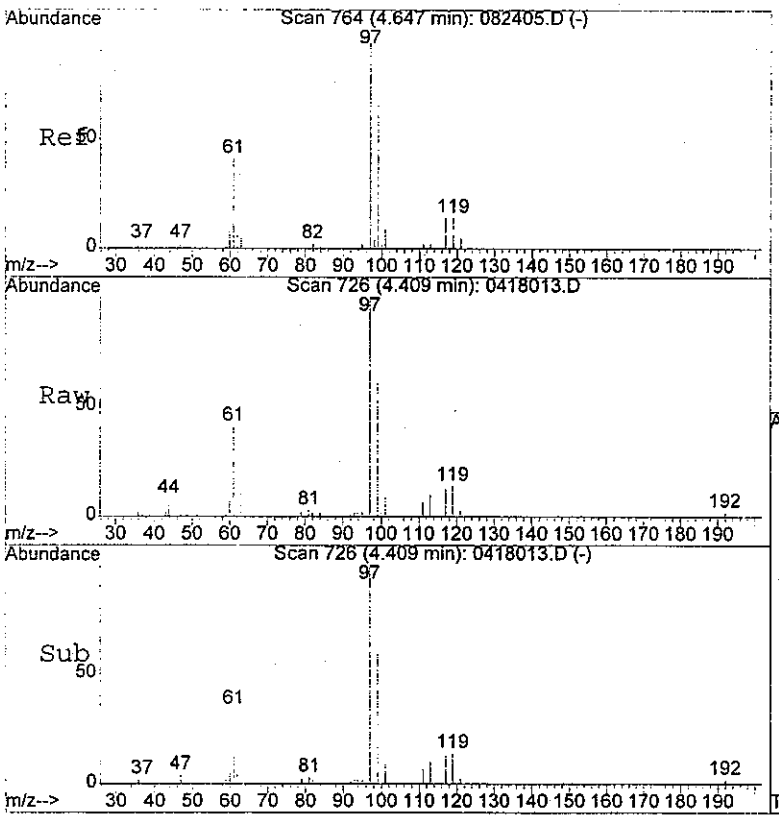


#16
(cis) 1,2-Dichloroethene
Concen: 167.31 ppb
RT: 3.71 min Scan# 609
Delta R.T. -0.02 min
Lab File: 0418013.D
Acq: 19 Apr 2000 7:59 pm

Tgt Ion: 61 Resp: 864087

Ion	Ratio	Lower	Upper
61	100		
63	32.8	25.8	38.8

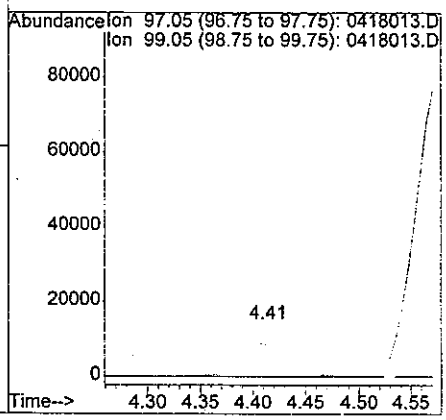


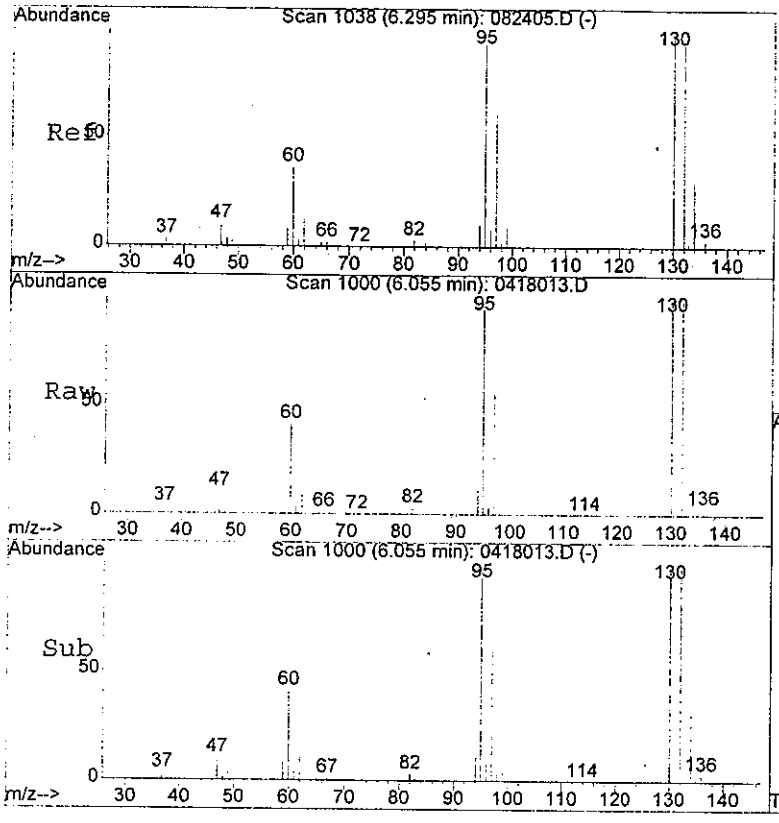


#19
1,1,1-Trichloroethane
Concen: 8.52 ppb
RT: 4.41 min Scan# 726
Delta R.T. -0.03 min
Lab File: 0418013.D
Acq: 19 Apr 2000 7:59 pm

Tgt Ion: 97 Resp: 45177

Ion	Ratio	Lower	Upper
97	100		
99	64.7	51.5	77.3

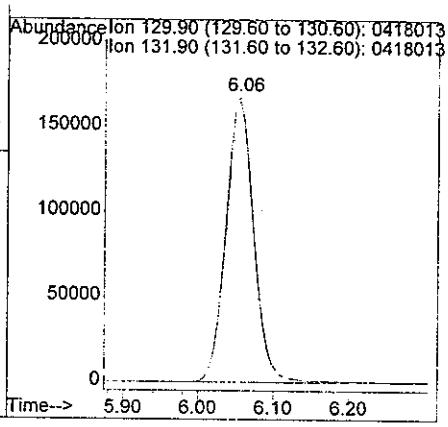


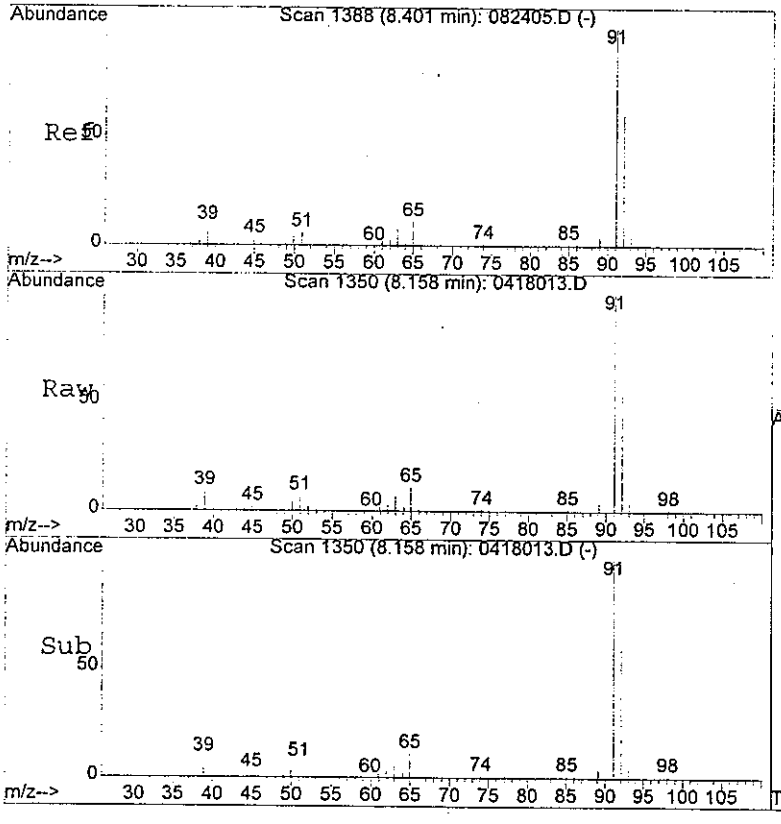


#26
Trichloroethene
Concen: 106.40 ppb
RT: 6.06 min Scan# 1000
Delta R.T. -0.02 min
Lab File: 0418013.D
Acq: 19 Apr 2000 7:59 pm

Tgt Ion:130 Resp: 438106

Ion	Ratio	Lower	Upper
130	100		
132	96.5	75.9	113.9

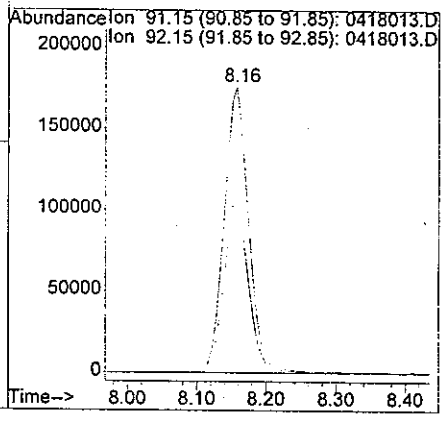


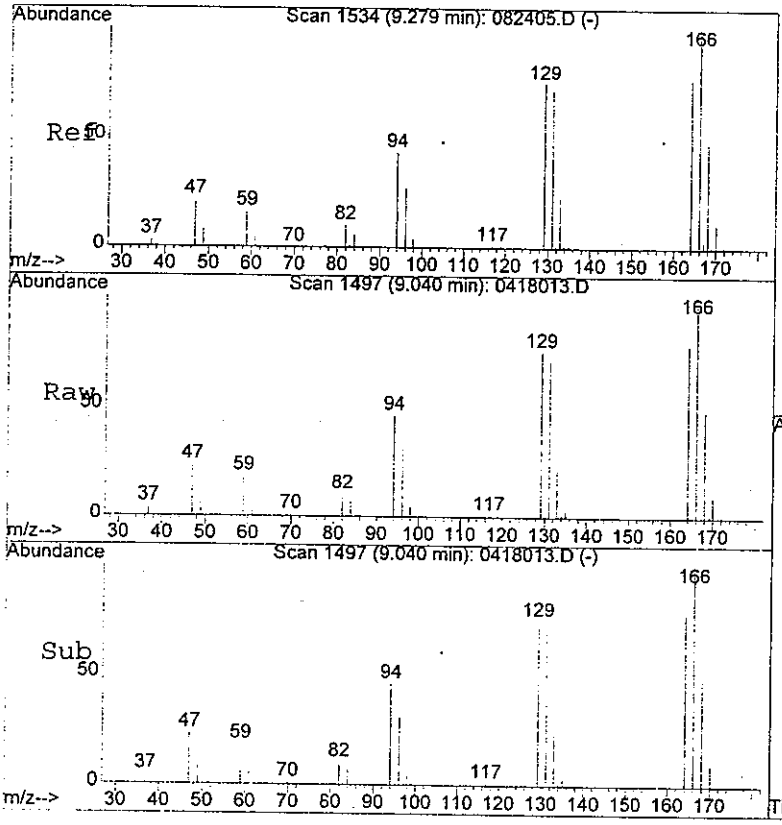


#33
Toluene
Concen: 31.00 ppb
RT: 8.16 min Scan# 1350
Delta R.T. -0.02 min
Lab File: 0418013.D
Acq: 19 Apr 2000 7:59 pm

Tgt Ion: 91 Resp: 437433

Ion	Ratio	Lower	Upper
91	100		
92	60.8	48.2	72.2

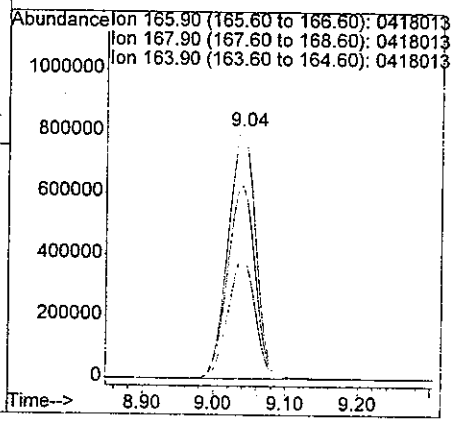


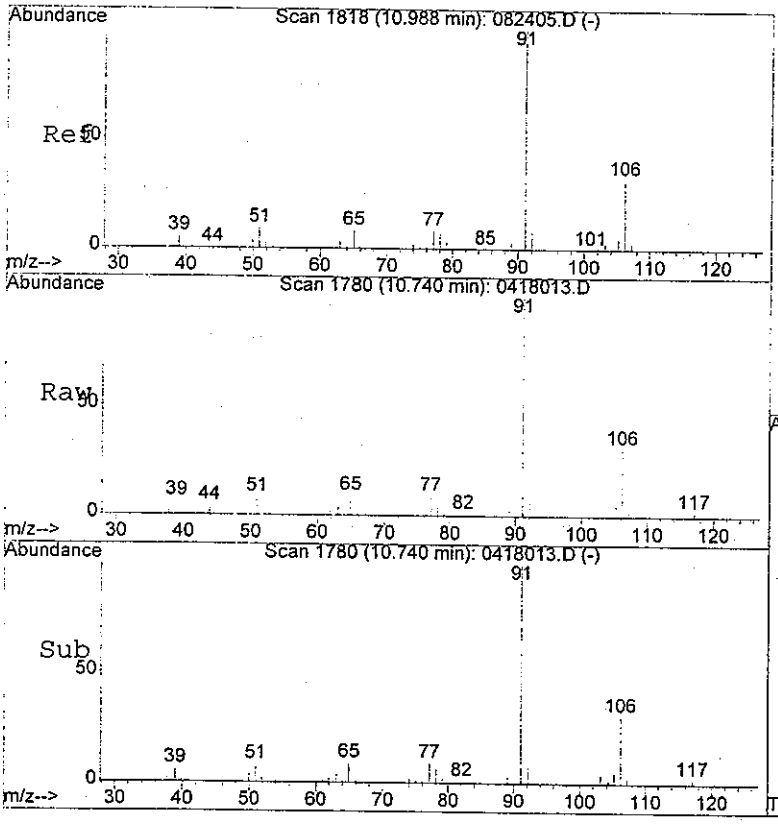


#37
Tetrachloroethene
Concen: 632.15 ppb
RT: 9.04 min Scan# 1497
Delta R.T. -0.02 min
Lab File: 0418013.D
Acq: 19 Apr 2000 7:59 pm

Tgt Ion:166 Resp: 2149813

Ion	Ratio	Lower	Upper
166	100		
168	47.8	38.6	58.0
164	77.7	62.1	93.1

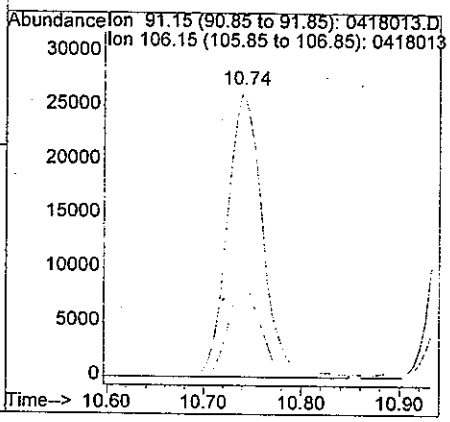


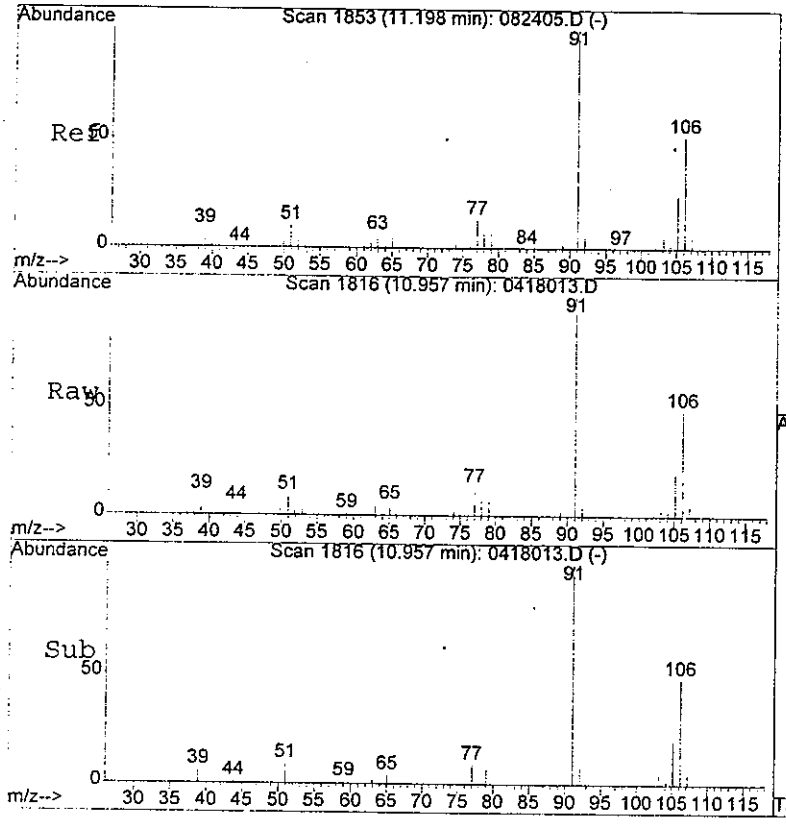


#44
Ethylbenzene
Concen: 5.05 ppb
RT: 10.74 min Scan# 1780
Delta R.T. -0.02 min
Lab File: 0418013.D
Acq: 19 Apr 2000 7:59 pm

Tgt Ion: 91 Resp: 66773

Ion	Ratio	Lower	Upper
91	100		
106	30.8	24.6	36.8

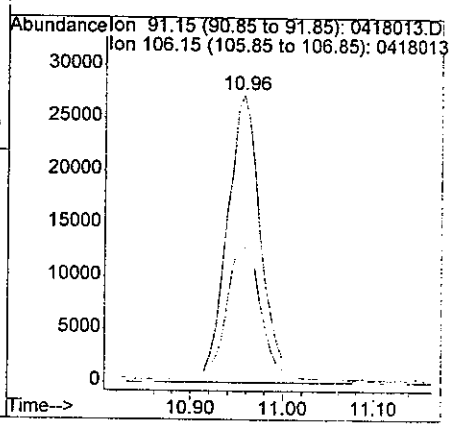


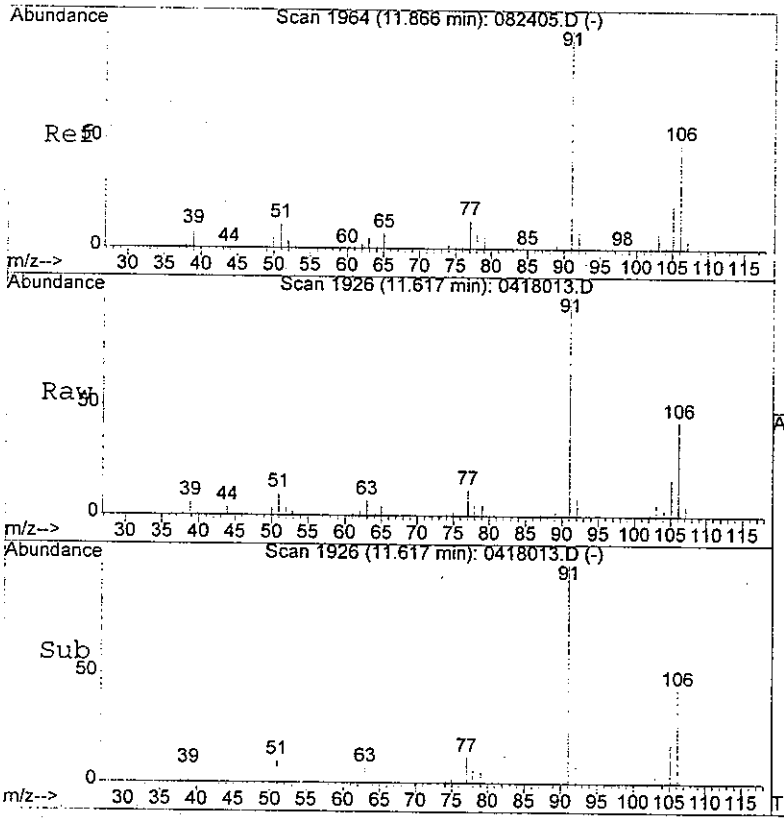


#45
m,p-Xylene
Concen: 7.22 ppb
RT: 10.96 min Scan# 1816
Delta R.T. -0.02 min
Lab File: 0418013.D
Acq: 19 Apr 2000 7:59 pm

Tgt Ion: 91 Resp: 72113

Ion	Ratio	Lower	Upper
91	100		
106	49.5	39.9	59.9

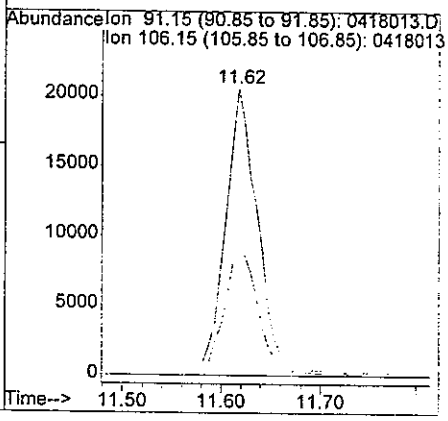


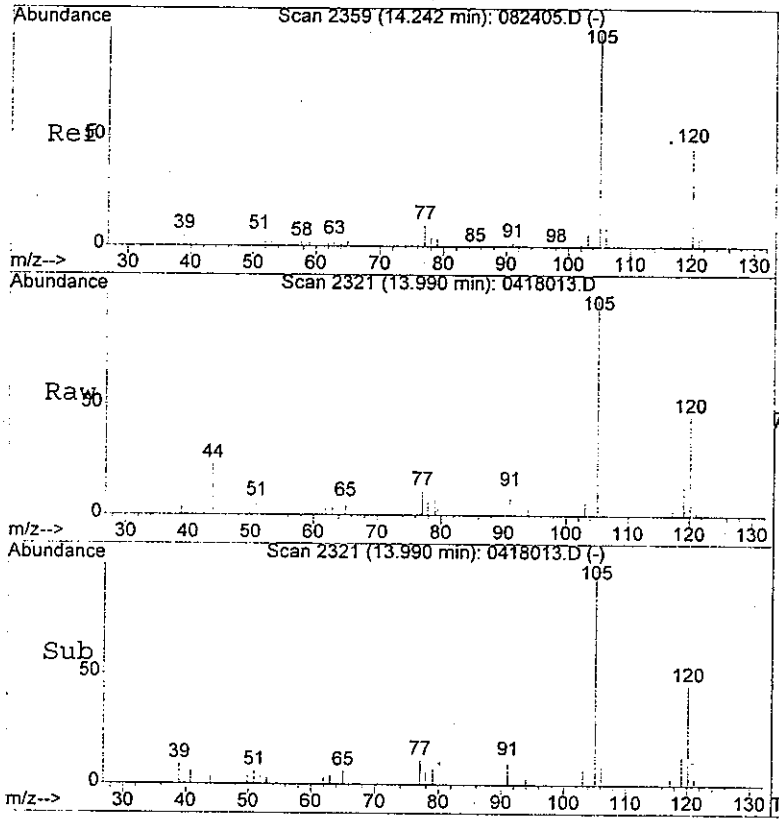


#46
o-Xylene
Concen: 4.60 ppb
RT: 11.62 min Scan# 1926
Delta R.T. -0.02 min
Lab File: 0418013.D
Acq: 19 Apr 2000 7:59 pm

Tgt Ion: 91 Resp: 47608

Ion	Ratio	Lower	Upper
91	100		
106	46.3	38.6	57.8

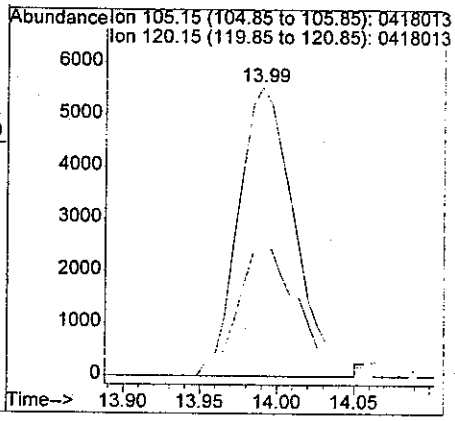


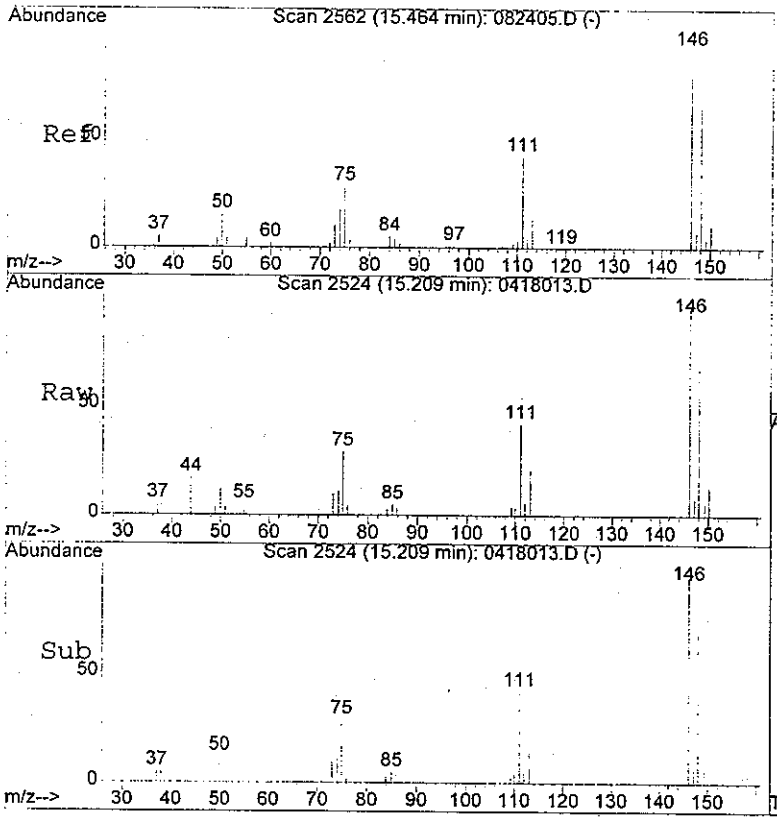


#60
1,2,4-Trimethylbenzene
Concen: 1.52 ppb
RT: 13.99 min Scan# 2321
Delta R.T. -0.02 min
Lab File: 0418013.D
Acq: 19 Apr 2000 7:59 pm

Tgt Ion:105 Resp: 13936

Ion	Ratio	Lower	Upper
105	100		
120	48.9	36.8	55.2

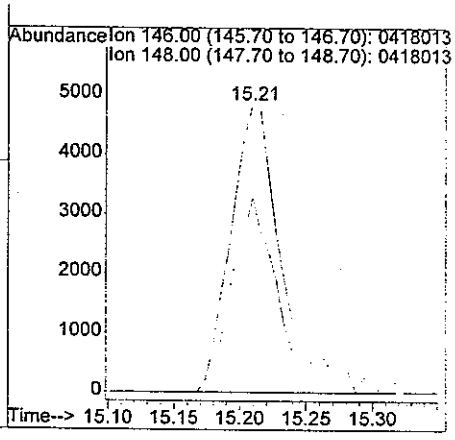




#65
1,2-Dichlorobenzene
Concen: 2.52 ppb
RT: 15.21 min Scan# 2524
Delta R.T. -0.01 min
Lab File: 0418013.D
Acq: 19 Apr 2000 7:59 pm

Tgt Ion:146 Resp: 12793

Ion	Ratio	Lower	Upper
146	100		
148	63.6	51.9	77.9



1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B-52

Lab Name: OnSite Environmental Contract: GWCC

Lab Code: OSE Case No.: 32-0039 SAS No.: SDG No.: 04-101

Matrix: (soil/water) WATER Lab Sample ID: 04-101-04 1:100

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: 0418014.D

Level: (low/med) LOW Date Received: 04/18/00

% Moisture: not dec. Date Analyzed: 04/19/00

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 100.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
	Dichlorodifluoromethane	100	U
	Chloromethane	100	U
	Vinyl Chloride	1500	D
	Bromomethane	100	U
	Chloroethane	100	U
	Trichlorofluoromethane	100	U
	1,1-Dichloroethene	100	U
	Acetone	500	U
	Carbon Disulfide	100	U
	Methylene Chloride	500	U
	(trans) 1,2-Dichloroethene	100	U
	1,1-Dichloroethane	100	U
	Vinyl Acetate	500	U
	2,2-Dichloropropane	100	U
	(cis) 1,2-Dichloroethene	7100	D
	2-Butanone	500	U
	Chloroform	100	U
	1,1,1-Trichloroethane	100	U
	Carbon Tetrachloride	100	U
	1,1-Dichloropropene	100	U
	Benzene	100	U
	1,2-Dichloroethane	100	U
	Trichloroethene	1500	D
	1,2-Dichloropropane	100	U
	Dibromomethane	100	U
	Bromodichloromethane	100	U
	2-Chloroethyl Vinyl Ether	100	U
	(cis) 1,3-Dichloropropene	100	U
	Toluene	100	U
	(trans) 1,3-Dichloropropene	100	U
	1,1,2-Trichloroethane	100	U
	Tetrachloroethene	25000	ED
	1,3-Dichloropropane	100	U
	Methyl Isobutyl Ketone	500	U
	Dibromochloromethane	100	U
	1,2-Dibromoethane	100	U
	Chlorobenzene	100	U
	1,1,1,2-Tetrachloroethane	100	U
	Ethylbenzene	100	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B-52

Lab Name: OnSite Environmental Contract: GWCC

Lab Code: OSE Case No.: 32-0039 SAS No.: SDG No.: 04-101

Matrix: (soil/water) WATER Lab Sample ID: 04-101-04 1:100

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: 0418014.D

Level: (low/med) LOW Date Received: 04/18/00

% Moisture: not dec. Date Analyzed: 04/19/00

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 100.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/L	Q
	m,p-Xylene	200	U
	o-Xylene	100	U
	Styrene	100	U
	Bromoform	100	U
	Isopropylbenzene	100	U
	Bromobenzene	100	U
	1,1,2,2-Tetrachloroethane	100	U
	1,2,3-Trichloropropane	100	U
	n-Propylbenzene	100	U
	2-Chlorotoluene	100	U
	4-Chlorotoluene	100	U
	1,3,5-Trimethylbenzene	100	U
	tert-Butylbenzene	100	U
	1,2,4-Trimethylbenzene	100	U
	sec-Butylbenzene	100	U
	1,3-Dichlorobenzene	100	U
	p-Isopropyltoluene	100	U
	1,4-Dichlorobenzene	100	U
	1,2-Dichlorobenzene	100	U
	n-Butylbenzene	100	U
	1,2-Dibromo-3-chloropropane	100	U
	1,2,4-Trichlorobenzene	100	U
	Hexachlorobutadiene	100	U
	Naphthalene	100	U
	1,2,3-Trichlorobenzene	100	U

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\APRIL00\A000419\0418014.D Vial: 14
Acq On : 19 Apr 2000 8:32 pm Operator:
Sample : 04-101-04 1:100 Inst : GC/MS Ins
Misc : B-52 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 27 14:36 2000 Quant Results File: 0417HIGH.RES

Quant Method : C:\HPCHEM\1\METHODS\0417HIGH.M (RTE Integrator)
Title : 8260 Calibration
Last Update : Tue Apr 18 11:21:09 2000
Response via : Initial Calibration
DataAcq Meth : 0417HIGH

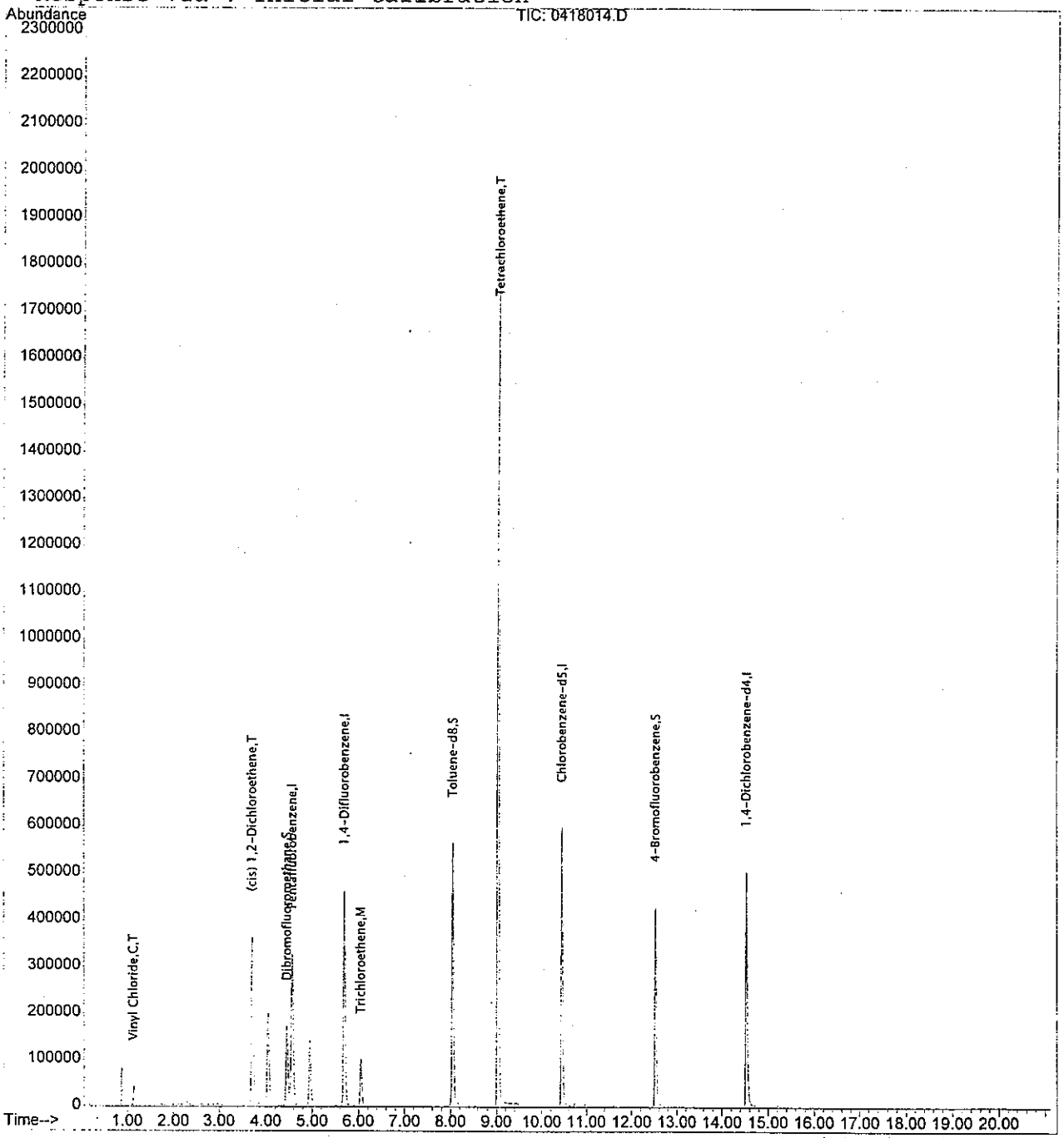
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.58	168	348441	50.00	ppb	-0.02
25) 1,4-Difluorobenzene	5.70	114	575808	50.00	ppb	-0.02
34) Chlorobenzene-d5	10.45	117	526840	•50.00	ppb	-0.02
48) 1,4-Dichlorobenzene-d4	14.53	152	214603	50.00	ppb	-0.02
System Monitoring Compounds						
20) Dibromofluoromethane	4.46	111	189258	50.49	ppb	-0.02
Spiked Amount 50.000			Recovery = 100.98%			
32) Toluene-d8	8.05	98	560647	55.87	ppb	-0.02
Spiked Amount 50.000			Recovery = 111.74%			
51) 4-Bromofluorobenzene	12.53	95	232983	61.67	ppb	-0.01
Spiked Amount 50.000			Recovery = 123.34%			
Target Compounds						Qvalue
4) Vinyl Chloride	1.14	62	24799	14.51	ppb	99
16) (cis) 1,2-Dichloroethene	3.70	61	320537	71.29	ppb	100
26) Trichloroethene	6.06	130	50862	14.70	ppb	99
37) Tetrachloroethene	9.04	166	859099	254.80	ppb	99

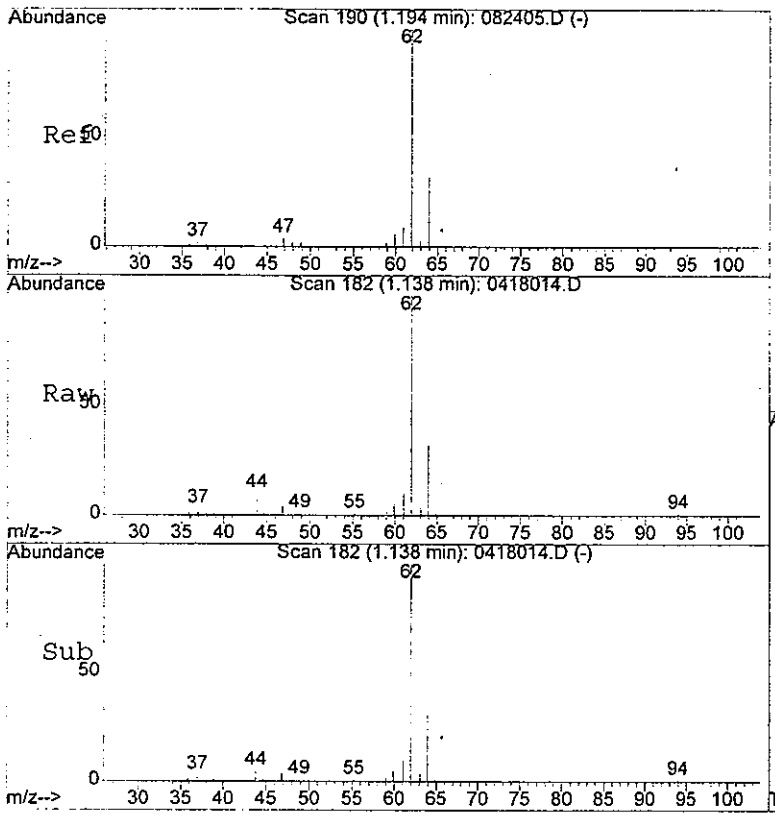
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\APRIL00\A000419\0418014.D Vial: 14
Acq On : 19 Apr 2000 8:32 pm Operator:
Sample : 04-101-04 1:100 Inst : GC/MS Ins
Misc : B-52 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 27 14:36 2000 Quant Results File: 0417HIGH.RES

Method : C:\HPCHEM\1\METHODS\0417HIGH.M (RTE Integrator)
Title : 8260 Calibration
Last Update : Tue Apr 18 11:21:09 2000
Response via : Initial Calibration

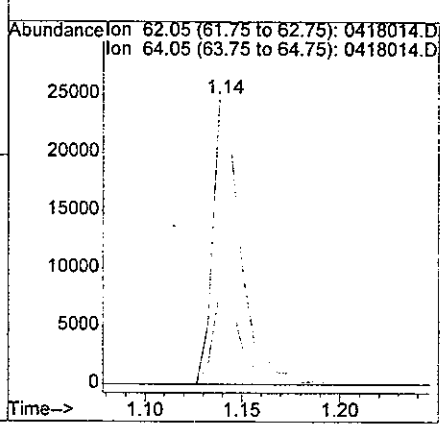


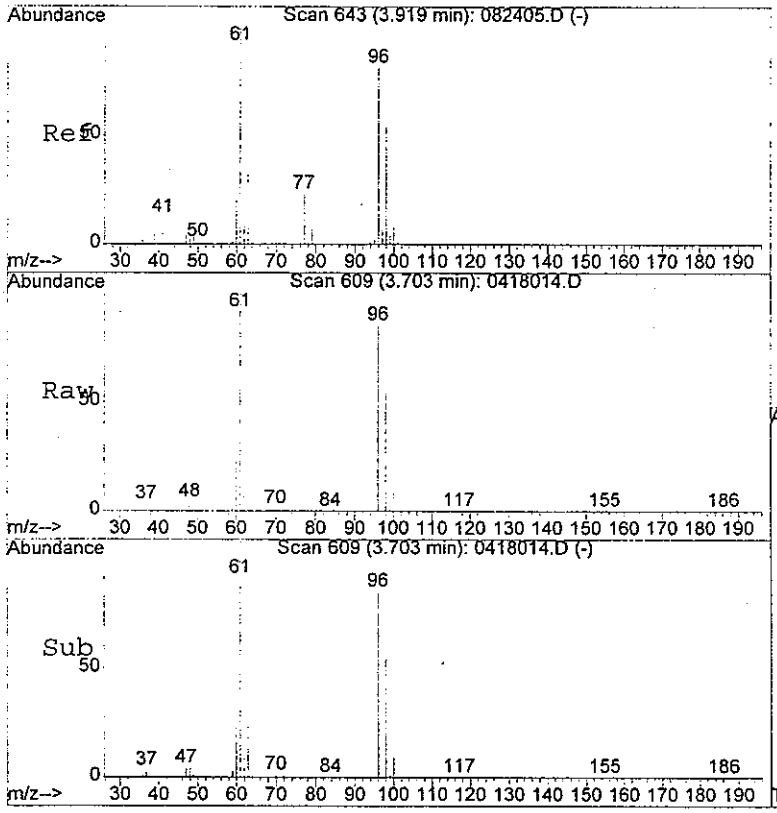


#4
Vinyl Chloride
Concen: 14.51 ppb
RT: 1.14 min Scan# 182
Delta R.T. -0.01 min
Lab File: 0418014.D
Acq: 19 Apr 2000 8:32 pm

Tgt Ion: 62 Resp: 24799

Ion	Ratio	Lower	Upper
62	100		
64	32.6	25.8	38.6

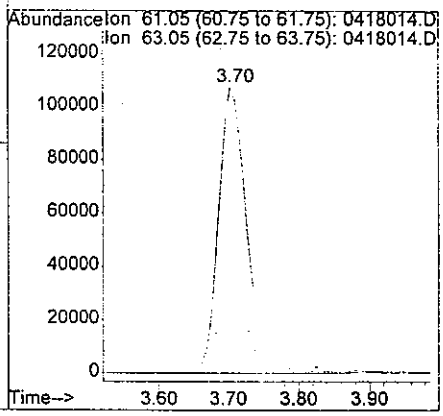


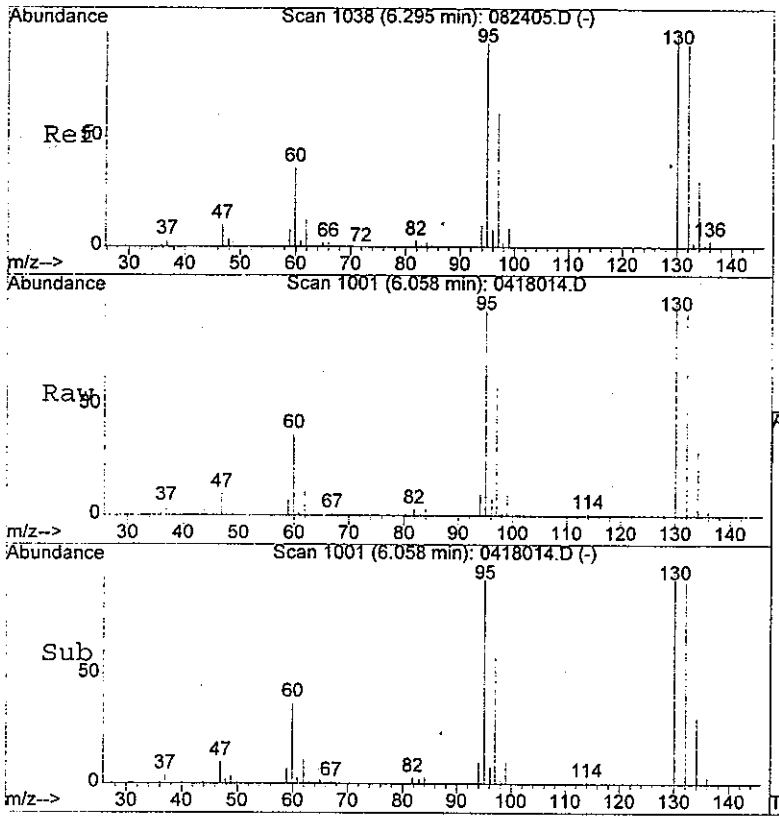


#16
(cis) 1,2-Dichloroethene
Concen: 71.29 ppb
RT: 3.70 min Scan# 609
Delta R.T. -0.02 min
Lab File: 0418014.D
Acq: 19 Apr 2000 8:32 pm

Tgt Ion: 61 Resp: 320537

Ion	Ratio	Lower	Upper
61	100		
63	32.5	25.8	38.8

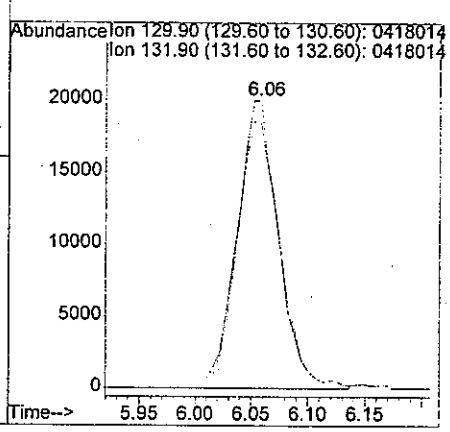


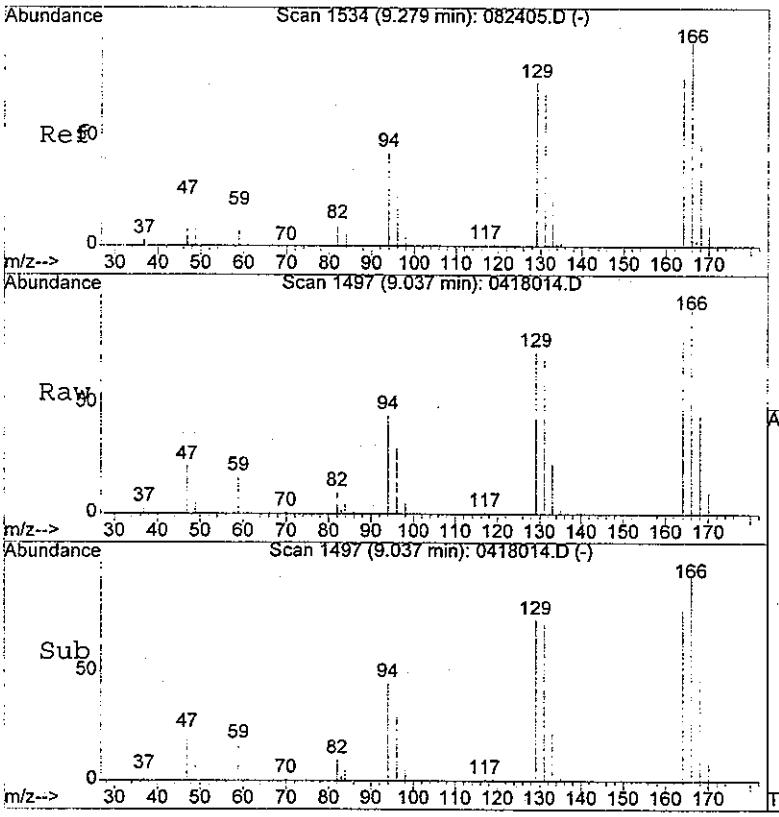


#26
Trichloroethene
Concen: 14.70 ppb
RT: 6.06 min Scan# 1001
Delta R.T. -0.02 min
Lab File: 0418014.D
Acq: 19 Apr 2000 8:32 pm

Tgt Ion:130 Resp: 50862

Ion	Ratio	Lower	Upper
130	100		
132	95.9	75.9	113.9

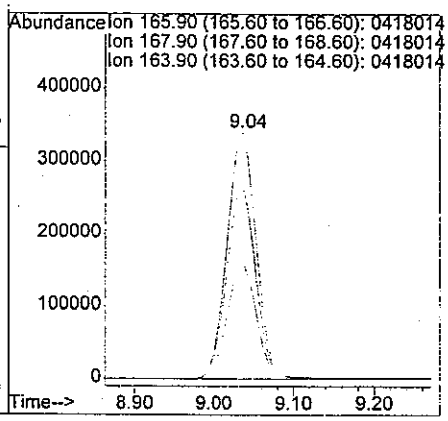




#37
Tetrachloroethene
Concen: 254.80 ppb
RT: 9.04 min Scan# 1497
Delta R.T. -0.02 min
Lab File: 0418014.D
Acq: 19 Apr 2000 8:32 pm

Tgt Ion:166 Resp: 859099

Ion	Ratio	Lower	Upper
166	100		
168	47.7	38.6	58.0
164	78.0	62.1	93.1



1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B-58

Lab Name: OnSite Environmental Contract: GWCC

Lab Code: OSE Case No.: 32-0039 SAS No.: SDG No.: 04-101

Matrix: (soil/water) WATER Lab Sample ID: 04-101-05 1:100

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: 0418015.D

Level: (low/med) LOW Date Received: 04/18/00

% Moisture: not dec. Date Analyzed: 04/19/00

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 100.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
	Dichlorodifluoromethane	100	U
	Chloromethane	100	U
	Vinyl Chloride	2300	D
	Bromomethane	100	U
	Chloroethane	100	U
	Trichlorofluoromethane	100	U
	1,1-Dichloroethene	100	U
	Acetone	500	U
	Carbon Disulfide	100	U
	Methylene Chloride	140	JD
	(trans) 1,2-Dichloroethene	220	D
	1,1-Dichloroethane	100	U
	Vinyl Acetate	500	U
	2,2-Dichloropropane	100	U
	(cis) 1,2-Dichloroethene	13000	D
	2-Butanone	500	U
	Chloroform	100	U
	1,1,1-Trichloroethane	100	U
	Carbon Tetrachloride	100	U
	1,1-Dichloropropene	100	U
	Benzene	100	U
	1,2-Dichloroethane	100	U
	Trichloroethene	6200	D
	1,2-Dichloropropane	100	U
	Dibromomethane	100	U
	Bromodichloromethane	100	U
	2-Chloroethyl Vinyl Ether	100	U
	(cis) 1,3-Dichloropropene	100	U
	Toluene	100	U
	(trans) 1,3-Dichloropropene	100	U
	1,1,2-Trichloroethane	100	U
	Tetrachloroethene	7800	D
	1,3-Dichloropropane	100	U
	Methyl Isobutyl Ketone	500	U
	Dibromochloromethane	100	U
	1,2-Dibromoethane	100	U
	Chlorobenzene	100	U
	1,1,1,2-Tetrachloroethane	100	U
	Ethylbenzene	100	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B-58

Lab Name: OnSite Environmental Contract: GWCC

Lab Code: OSE Case No.: 32-0039 SAS No.: SDG No.: 04-101

Matrix: (soil/water) WATER Lab Sample ID: 04-101-05 1:100

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: 0418015.D

Level: (low/med) LOW Date Received: 04/18/00

% Moisture: not dec. Date Analyzed: 04/19/00

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 100.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
	m,p-Xylene	200	U
	o-Xylene	100	U
	Styrene	100	U
	Bromoform	100	U
	Isopropylbenzene	100	U
	Bromobenzene	100	U
	1,1,2,2-Tetrachloroethane	100	U
	1,2,3-Trichloropropane	100	U
	n-Propylbenzene	100	U
	2-Chlorotoluene	100	U
	4-Chlorotoluene	100	U
	1,3,5-Trimethylbenzene	100	U
	tert-Butylbenzene	100	U
	1,2,4-Trimethylbenzene	100	U
	sec-Butylbenzene	100	U
	1,3-Dichlorobenzene	100	U
	p-Isopropyltoluene	100	U
	1,4-Dichlorobenzene	100	U
	1,2-Dichlorobenzene	100	U
	n-Butylbenzene	100	U
	1,2-Dibromo-3-chloropropane	100	U
	1,2,4-Trichlorobenzene	100	U
	Hexachlorobutadiene	100	U
	Naphthalene	100	U
	1,2,3-Trichlorobenzene	100	U

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\APRIL00\A000419\0418015.D Vial: 15
Acq On : 19 Apr 2000 9:05 pm Operator:
Sample : 04-101-05 1:100 Inst : GC/MS Ins
Misc : B-58 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 20 16:33 2000 Quant Results File: 0417HIGH.RES

Quant Method : C:\HPCHEM\1\METHODS\0417HIGH.M (RTE Integrator)
Title : 8260 Calibration
Last Update : Tue Apr 18 11:21:09 2000
Response via : Initial Calibration
DataAcq Meth : 0417HIGH

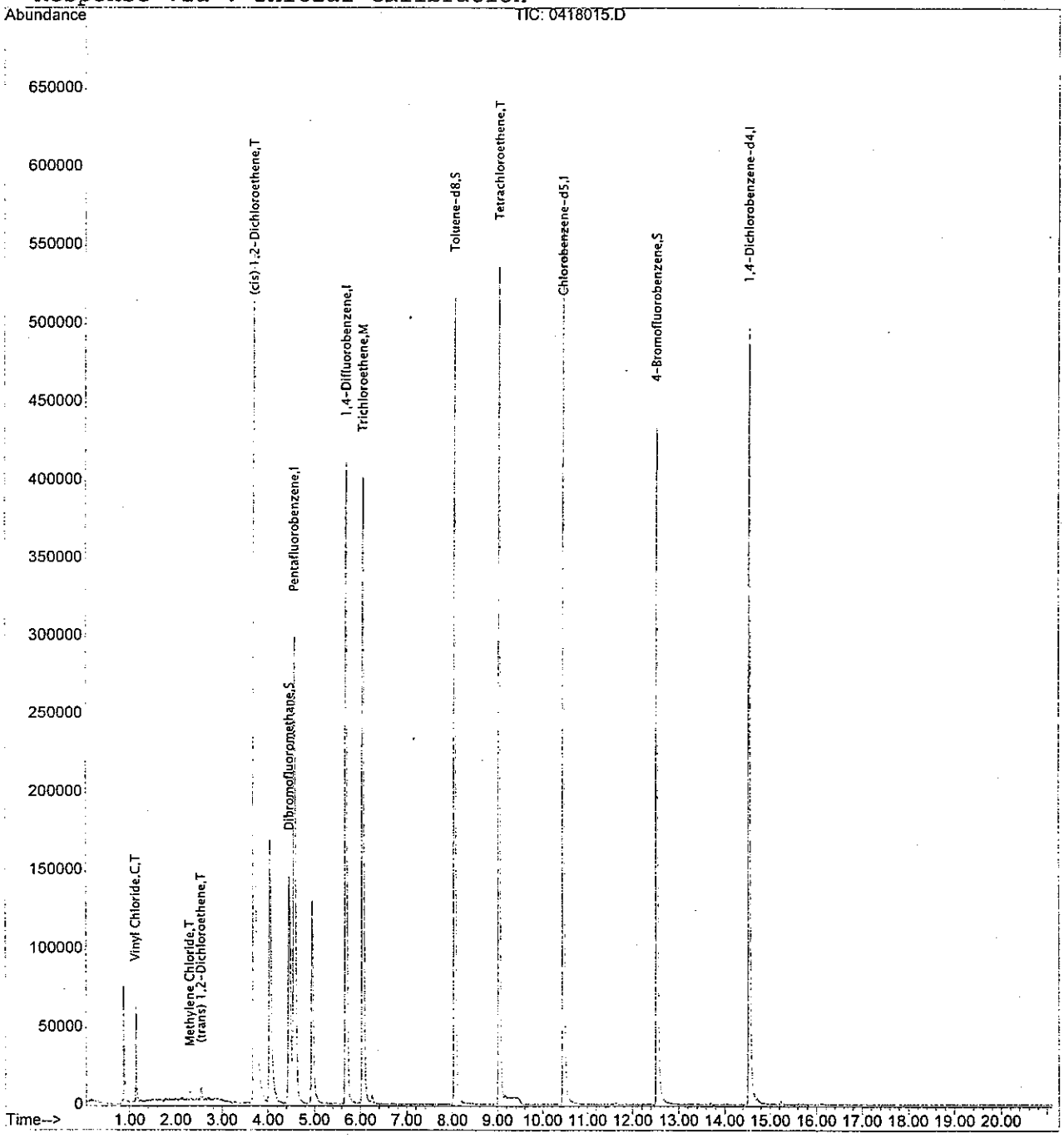
Internal Standards	R.T.	QIon	Response	Conc Units		Dev(Min)
1) Pentafluorobenzene	4.58	168	325637	50.00 ppb		-0.02
25) 1,4-Difluorobenzene	5.70	114	529707	50.00 ppb		-0.02
34) Chlorobenzene-d5	10.47	117	489653	50.00 ppb		0.00
48) 1,4-Dichlorobenzene-d4	14.55	152	214029	50.00 ppb		0.00
System Monitoring Compounds						
20) Dibromofluoromethane	4.47	111	184456	52.65 ppb		-0.02
Spiked Amount 50.000			Recovery =	105.30%		
32) Toluene-d8	8.06	98	518536	56.17 ppb		0.00
Spiked Amount 50.000			Recovery =	112.34%		
51) 4-Bromofluorobenzene	12.54	95	238533	63.31 ppb		0.00
Spiked Amount 50.000			Recovery =	126.62%		
Target Compounds						Qvalue
4) Vinyl Chloride	1.14	62	36990	23.15 ppb		98
11) Methylene Chloride	2.31	49	2757	1.39 ppb	#	88
12) (trans) 1,2-Dichloroethene	2.54	61	4319	2.16 ppb	#	87
16) (cis) 1,2-Dichloroethene	3.70	61	545139	129.74 ppb		100
26) Trichloroethene	6.06	130	198325	62.32 ppb		97
37) Tetrachloroethene	9.05	166	243686	77.76 ppb		99

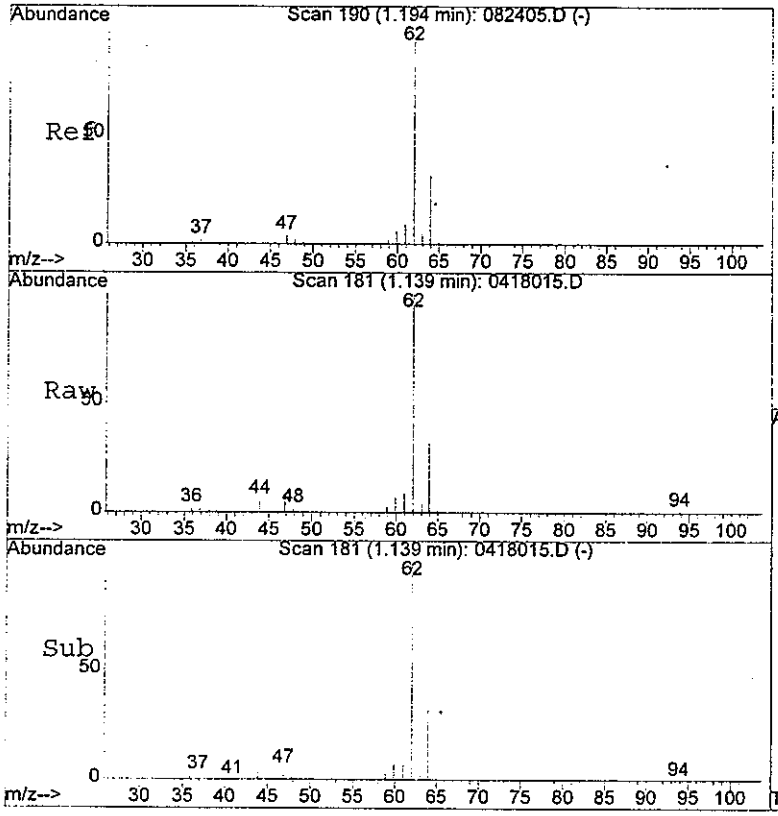
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\APRIL00\A000419\0418015.D Vial: 15
Acq On : 19 Apr 2000 9:05 pm Operator:
Sample : 04-101-05 1:100 Inst : GC/MS Ins
Misc : B-58 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 20 16:33 2000 Quant Results File: 0417HIGH.RES

Method : C:\HPCHEM\1\METHODS\0417HIGH.M (RTE Integrator)
Title : 8260 Calibration
Last Update : Tue Apr 18 11:21:09 2000
Response via : Initial Calibration

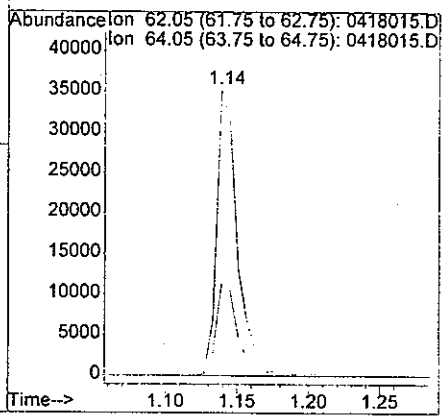


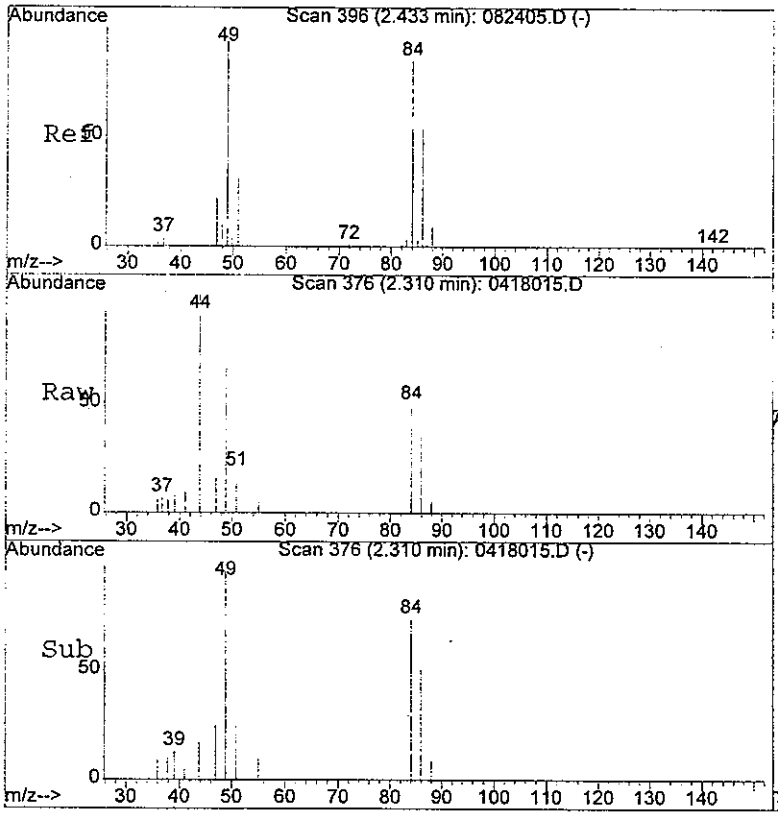


#4
Vinyl Chloride
Concen: 23.15 ppb
RT: 1.14 min Scan# 181
Delta R.T. -0.01 min
Lab File: 0418015.D
Acq: 19 Apr 2000 9:05 pm

Tgt Ion: 62 Resp: 36990

Ion	Ratio	Lower	Upper
62	100		
64	33.3	25.8	38.6

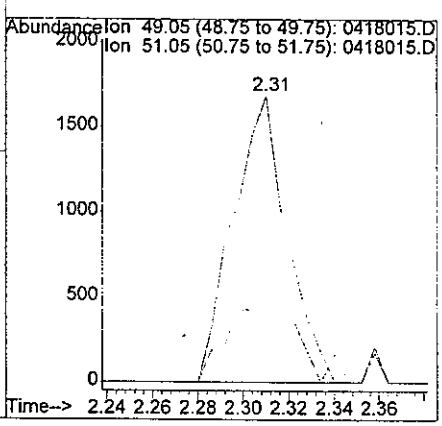


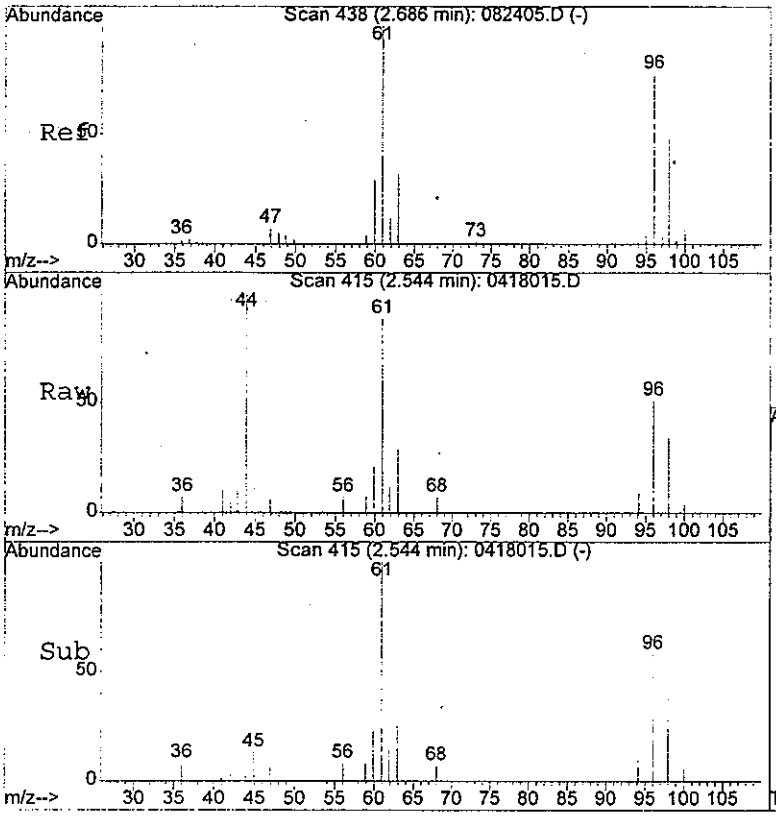


#11
Methylene Chloride
Concen: 1.39 ppb
RT: 2.31 min Scan# 376
Delta R.T. -0.01 min
Lab File: 0418015.D
Acq: 19 Apr 2000 9:05 pm

Tgt Ion: 49 Resp: 2757

Ion	Ratio	Lower	Upper
49	100		
51	37.3	24.5	36.7#

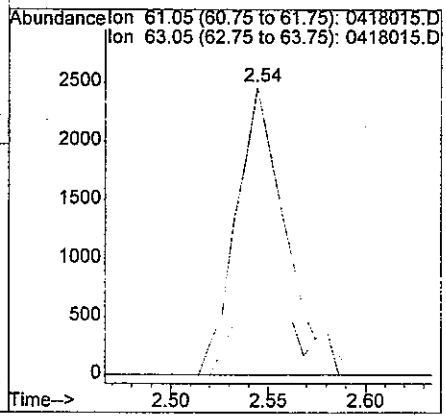


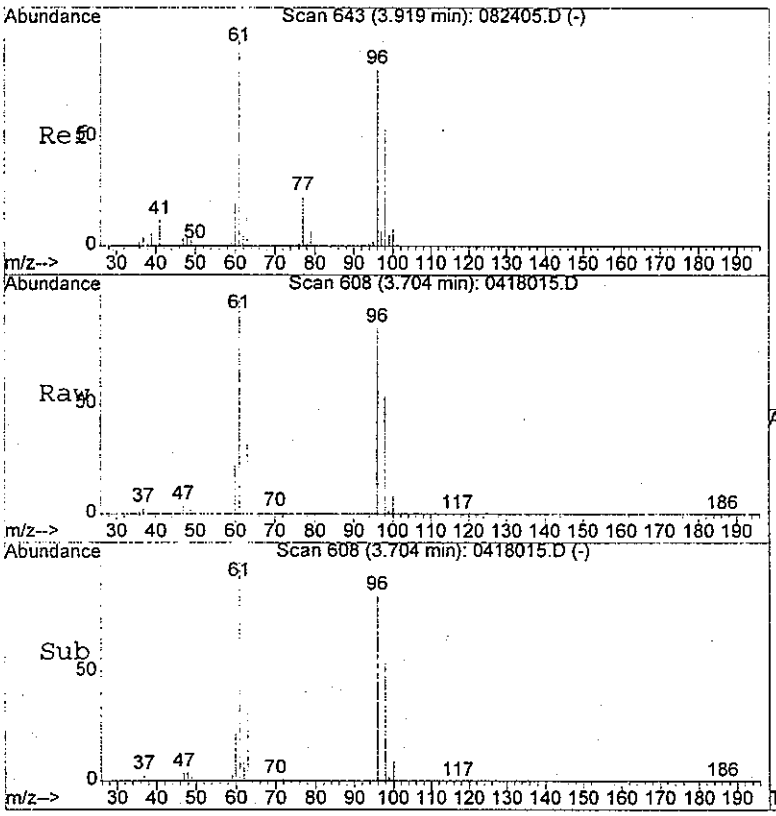


#12
(trans) 1,2-Dichloroethene
Concen: 2.16 ppb
RT: 2.54 min Scan# 415
Delta R.T. -0.01 min
Lab File: 0418015.D
Acq: 19 Apr 2000 9:05 pm

Tgt Ion: 61 Resp: 4319

Ion	Ratio	Lower	Upper
61	100		
63	39.0	25.3	37.9#

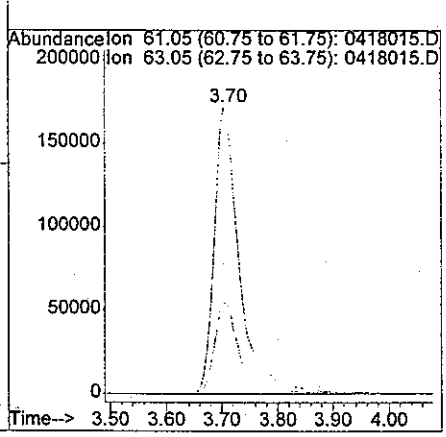


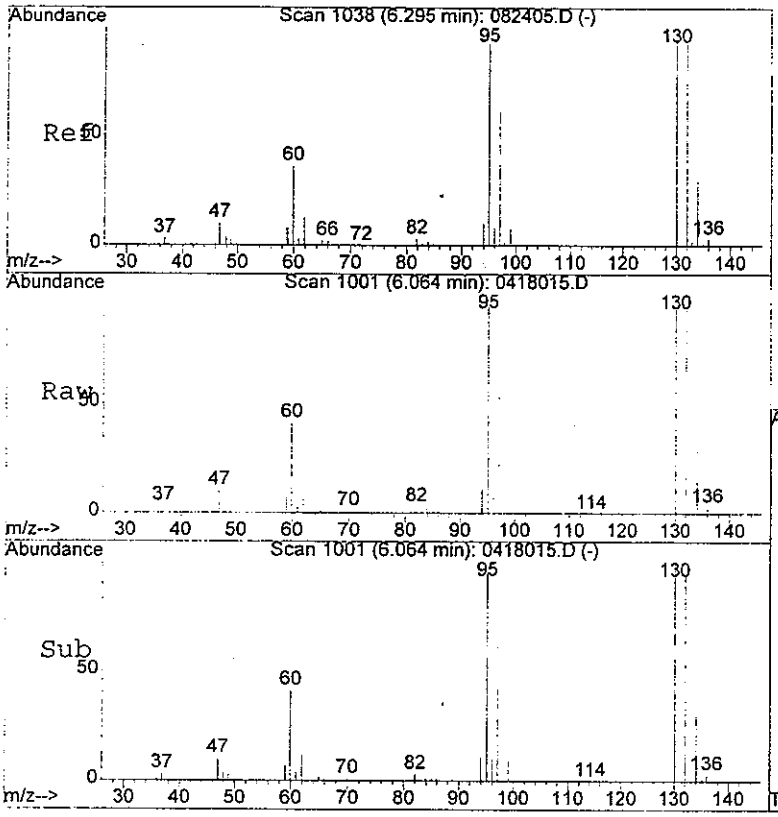


#16
(cis) 1,2-Dichloroethene
Concen: 129.74 ppb
RT: 3.70 min Scan# 608
Delta R.T. -0.02 min
Lab File: 0418015.D
Acq: 19 Apr 2000 9:05 pm

Tgt Ion: 61 Resp: 545139

Ion	Ratio	Lower	Upper
61	100		
63	32.5	25.8	38.8

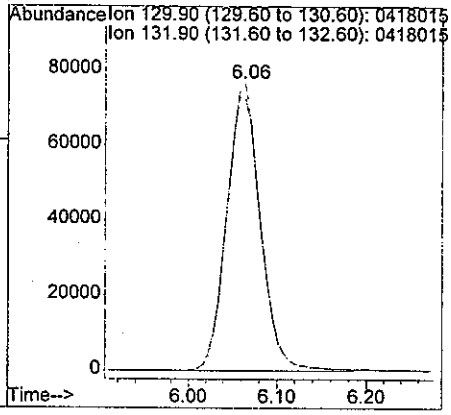


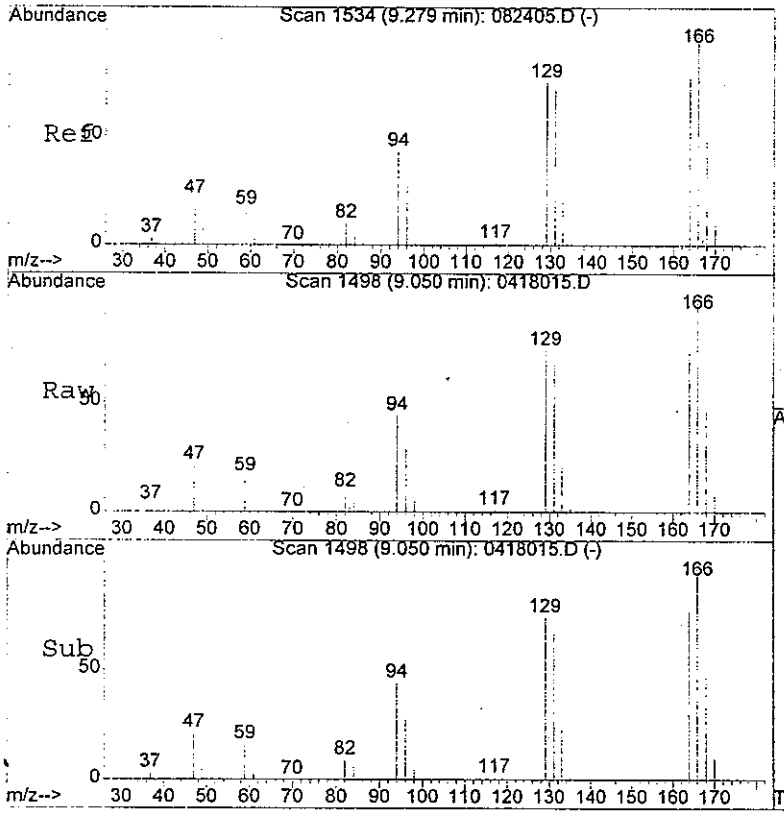


#26
Trichloroethene
Concen: 62.32 ppb
RT: 6.06 min Scan# 1001
Delta R.T. -0.01 min
Lab File: 0418015.D
Acq: 19 Apr 2000 9:05 pm

Tgt Ion:130 Resp: 198325

Ion	Ratio	Lower	Upper
130	100		
132	97.5	75.9	113.9

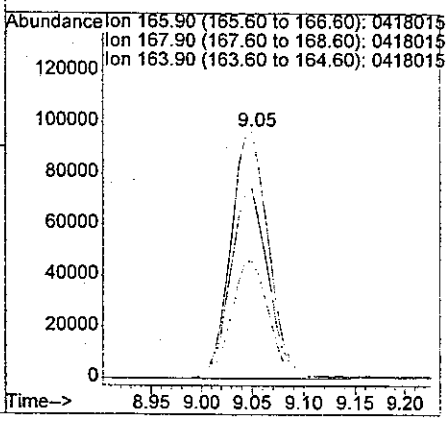




#37
Tetrachloroethene
Concen: 77.76 ppb
RT: 9.05 min Scan# 1498
Delta R.T. -0.01 min
Lab File: 0418015.D
Acq: 19 Apr 2000 9:05 pm

Tgt Ion:166 Resp: 243686

Ion	Ratio	Lower	Upper
166	100		
168	47.7	38.6	58.0
164	76.9	62.1	93.1



1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

MW-13

Lab Name: OnSite Environmental Contract: GWCC

Lab Code: OSE Case No.: 32-0039 SAS No.: SDG No.: 04-101

Matrix: (soil/water) WATER Lab Sample ID: 04-101-06 1:100

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: 0418016.D

Level: (low/med) LOW Date Received: 04/18/00

% Moisture: not dec. Date Analyzed: 04/19/00

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 100.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/L	Q
	Dichlorodifluoromethane	100	U
	Chloromethane	100	U
	Vinyl Chloride	2600	D
	Bromomethane	100	U
	Chloroethane	100	U
	Trichlorofluoromethane	100	U
	1,1-Dichloroethene	100	U
	Acetone	500	U
	Carbon Disulfide	100	U
	Methylene Chloride	500	U
	(trans) 1,2-Dichloroethene	260	D
	1,1-Dichloroethane	100	U
	Vinyl Acetate	500	U
	2,2-Dichloropropane	100	U
	(cis) 1,2-Dichloroethene	14000	D
	2-Butanone	500	U
	Chloroform	100	U
	1,1,1-Trichloroethane	100	U
	Carbon Tetrachloride	100	U
	1,1-Dichloropropene	100	U
	Benzene	100	U
	1,2-Dichloroethane	100	U
	Trichloroethene	7000	D
	1,2-Dichloropropane	100	U
	Dibromomethane	100	U
	Bromodichloromethane	100	U
	2-Chloroethyl Vinyl Ether	100	U
	(cis) 1,3-Dichloropropene	100	U
	Toluene	100	U
	(trans) 1,3-Dichloropropene	100	U
	1,1,2-Trichloroethane	100	U
	Tetrachloroethene	8100	D
	1,3-Dichloropropane	100	U
	Methyl Isobutyl Ketone	500	U
	Dibromochloromethane	100	U
	1,2-Dibromoethane	100	U
	Chlorobenzene	100	U
	1,1,1,2-Tetrachloroethane	100	U
	Ethylbenzene	100	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-13

Lab Name: OnSite Environmental Contract: GWCC

Lab Code: OSE Case No.: 32-0039 SAS No.: SDG No.: 04-101

Matrix: (soil/water) WATER Lab Sample ID: 04-101-06 1:100

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: 0418016.D

Level: (low/med) LOW Date Received: 04/18/00

% Moisture: not dec. Date Analyzed: 04/19/00

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 100.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/L	Q
	m,p-Xylene	200	U
	o-Xylene	100	U
	Styrene	100	U
	Bromoform	100	U
	Isopropylbenzene	100	U
	Bromobenzene	100	U
	1,1,2,2-Tetrachloroethane	100	U
	1,2,3-Trichloropropane	100	U
	n-Propylbenzene	100	U
	2-Chlorotoluene	100	U
	4-Chlorotoluene	100	U
	1,3,5-Trimethylbenzene	100	U
	tert-Butylbenzene	100	U
	1,2,4-Trimethylbenzene	100	U
	sec-Butylbenzene	100	U
	1,3-Dichlorobenzene	100	U
	p-Isopropyltoluene	100	U
	1,4-Dichlorobenzene	100	U
	1,2-Dichlorobenzene	100	U
	n-Butylbenzene	100	U
	1,2-Dibromo-3-chloropropane	100	U
	1,2,4-Trichlorobenzene	100	U
	Hexachlorobutadiene	100	U
	Naphthalene	100	U
	1,2,3-Trichlorobenzene	100	U

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\APRIL00\A000419\0418016.D Vial: 16
Acq On : 19 Apr 2000 9:37 pm Operator:
Sample : 04-101-06 1:100 Inst : GC/MS Ins
Misc : MW-13 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 27 14:38 2000 Quant Results File: 0417HIGH.RES

Quant Method : C:\HPCHEM\1\METHODS\0417HIGH.M (RTE Integrator)
Title : 8260 Calibration
Last Update : Tue Apr 18 11:21:09 2000
Response via : Initial Calibration
DataAcq Meth : 0417HIGH

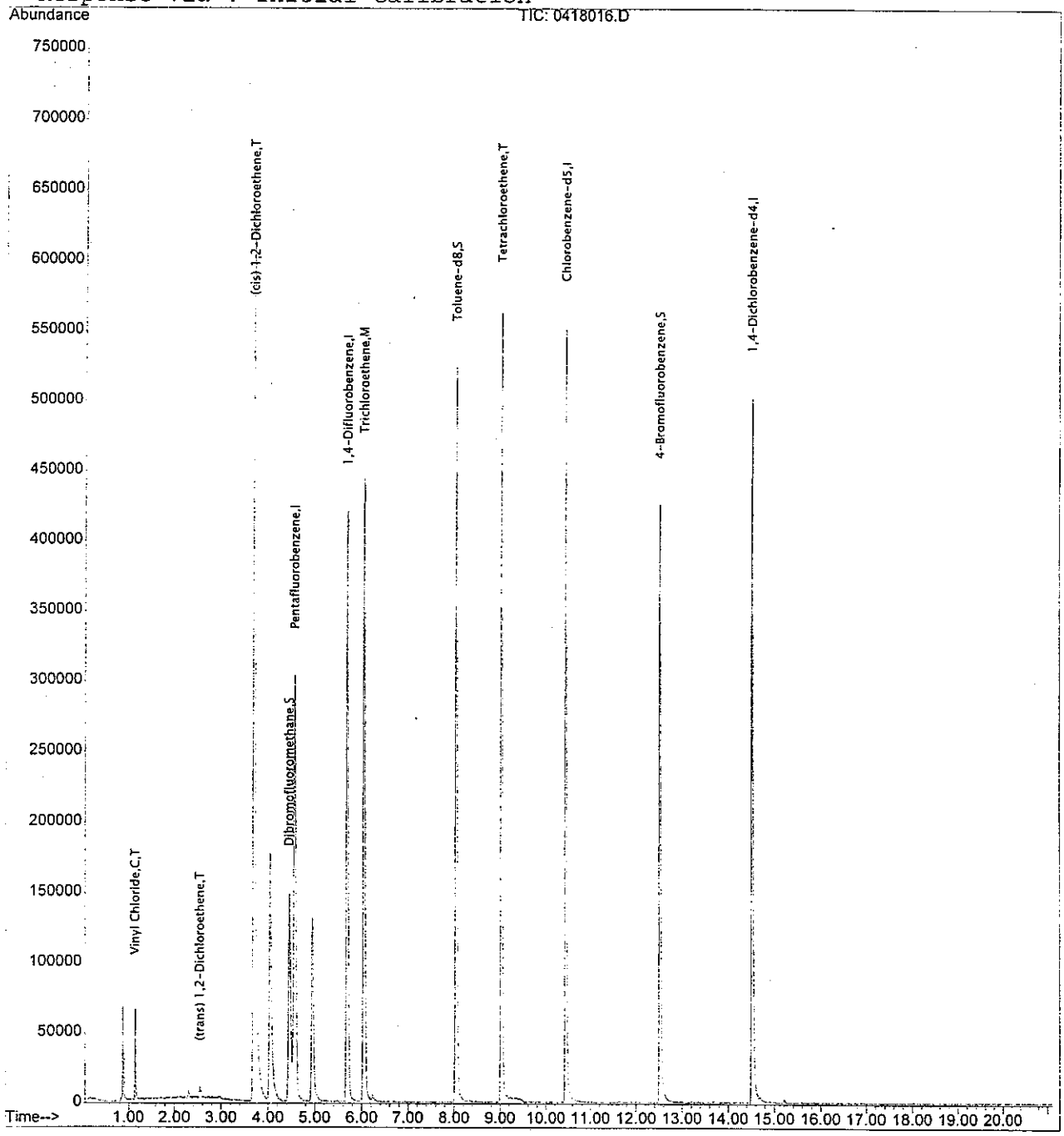
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Pentafluorobenzene	4.58	168	328389	50.00 ppb	-0.02
25) 1,4-Difluorobenzene	5.70	114	531642	50.00 ppb	-0.02
34) Chlorobenzene-d5	10.45	117	491097	50.00 ppb	-0.02
48) 1,4-Dichlorobenzene-d4	14.53	152	211042	50.00 ppb	-0.02
System Monitoring Compounds					
20) Dibromofluoromethane	4.46	111	184926	52.34 ppb	-0.02
Spiked Amount 50.000			Recovery =	104.68%	
32) Toluene-d8	8.05	98	521771	56.32 ppb	-0.02
Spiked Amount 50.000			Recovery =	112.64%	
51) 4-Bromofluorobenzene	12.52	95	233827	62.94 ppb	-0.02
Spiked Amount 50.000			Recovery =	125.88%	
Target Compounds					Qvalue
4) Vinyl Chloride	1.14	62	41175	25.56 ppb	97
12) (trans) 1,2-Dichloroethene	2.54	61	5197	2.58 ppb #	85
16) (cis) 1,2-Dichloroethene	3.70	61	611687	144.36 ppb	100
26) Trichloroethene	6.05	130	223176	69.87 ppb	98
37) Tetrachloroethene	9.04	166	253121	80.54 ppb	99

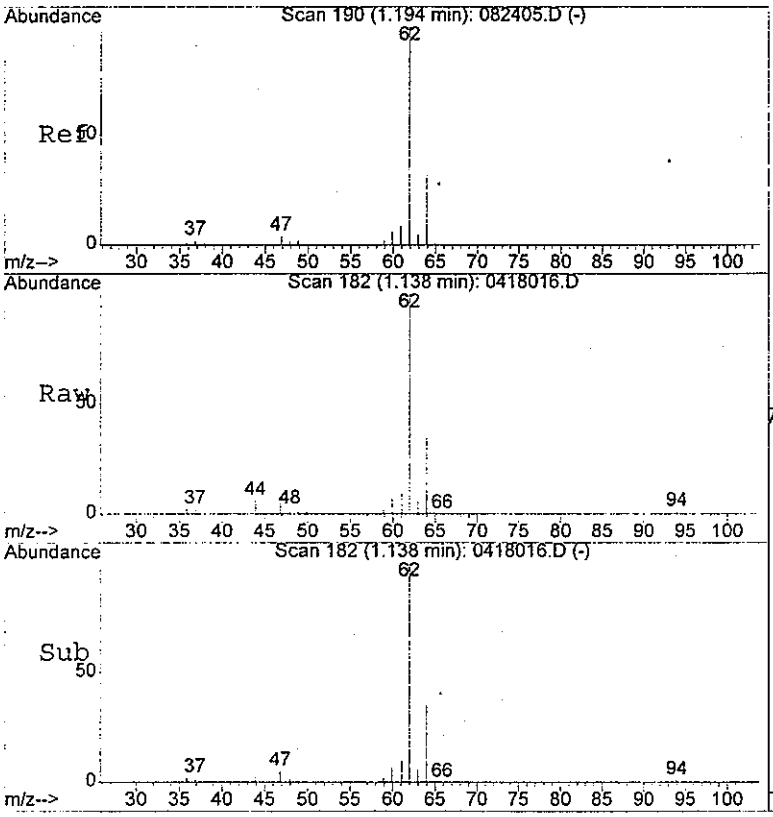
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\APRIL00\A000419\0418016.D Vial: 16
Acq On : 19 Apr 2000 9:37 pm Operator:
Sample : 04-101-06 1:100 Inst : GC/MS Ins
Misc : MW-13 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 27 14:38 2000 Quant Results File: 0417HIGH.RES

Method : C:\HPCHEM\1\METHODS\0417HIGH.M (RTE Integrator)
Title : 8260 Calibration
Last Update : Tue Apr 18 11:21:09 2000
Response via : Initial Calibration

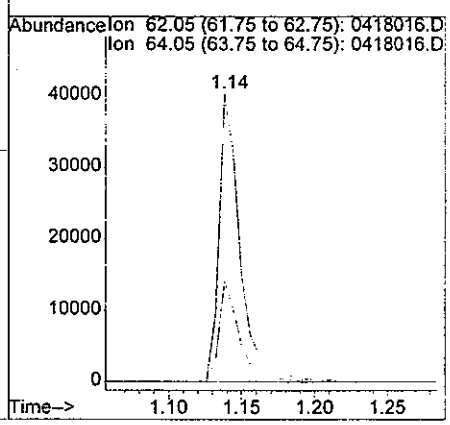


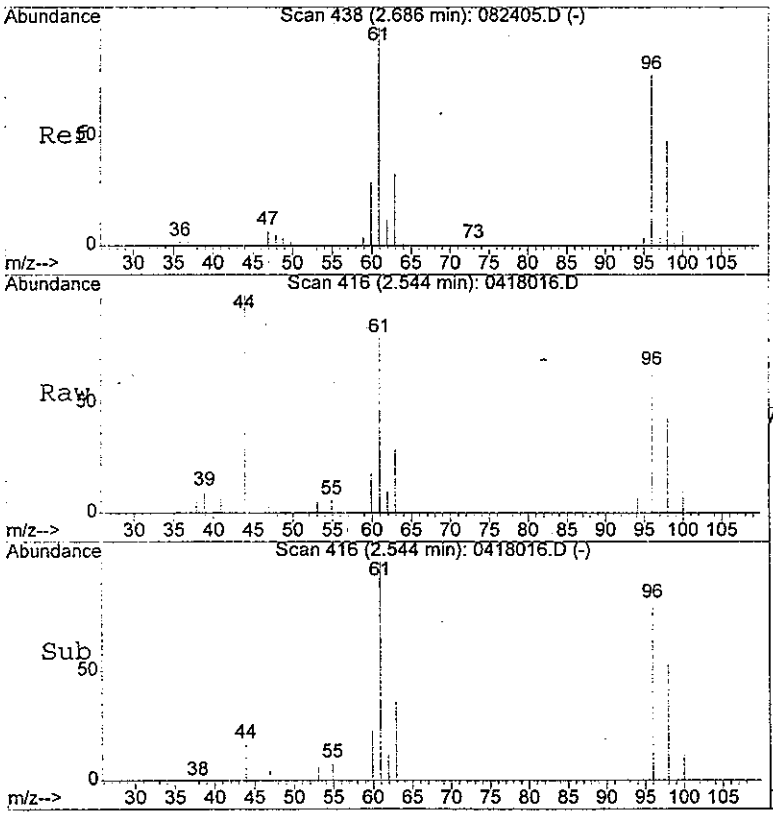


#4
Vinyl Chloride
Concen: 25.56 ppb
RT: 1.14 min Scan# 182
Delta R.T. -0.01 min
Lab File: 0418016.D
Acq: 19 Apr 2000 9:37 pm

Tgt Ion: 62 Resp: 41175

Ion	Ratio	Lower	Upper
62	100		
64	33.6	25.8	38.6

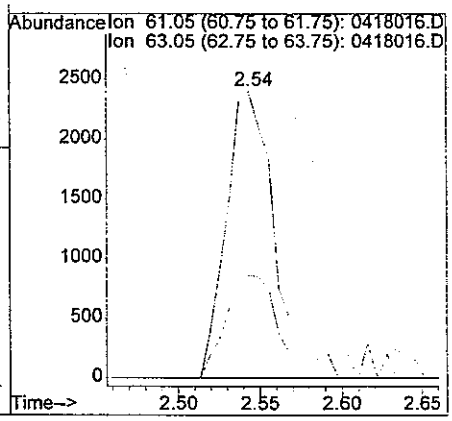


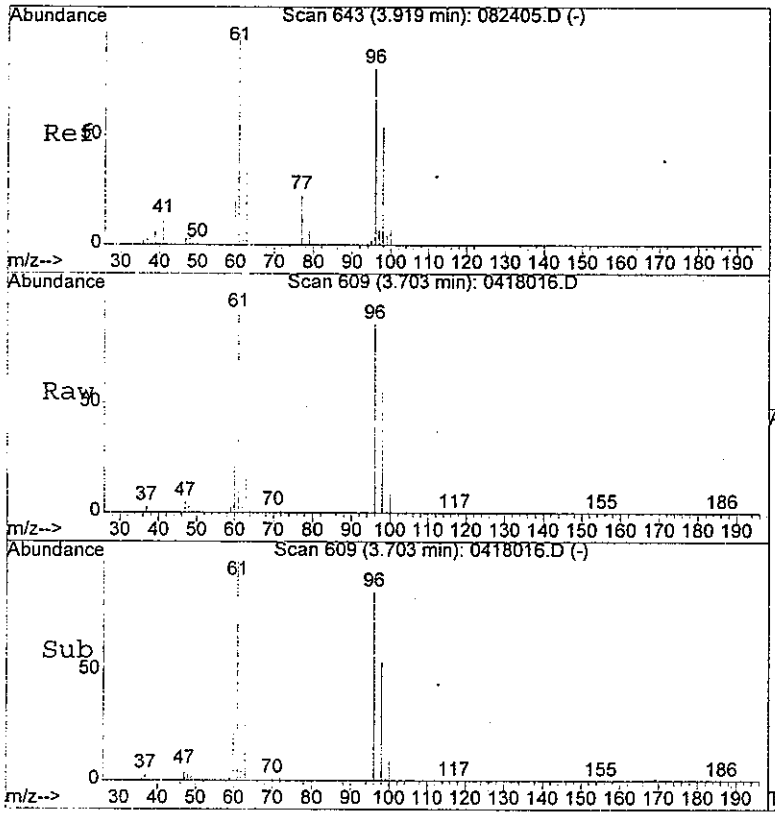


#12
(trans) 1,2-Dichloroethene
Concen: 2.58 ppb
RT: 2.54 min Scan# 416
Delta R.T. -0.01 min
Lab File: 0418016.D
Acq: 19 Apr 2000 9:37 pm

Tgt Ion: 61 Resp: 5197

Ion	Ratio	Lower	Upper
61	100		
63	40.1	25.3	37.9#

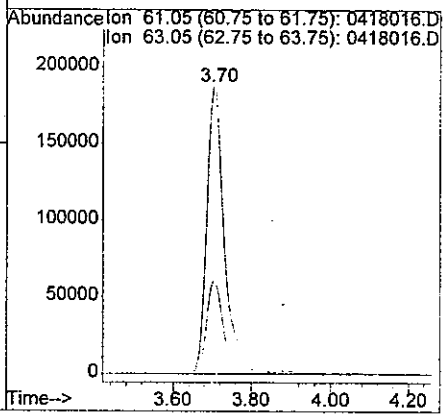


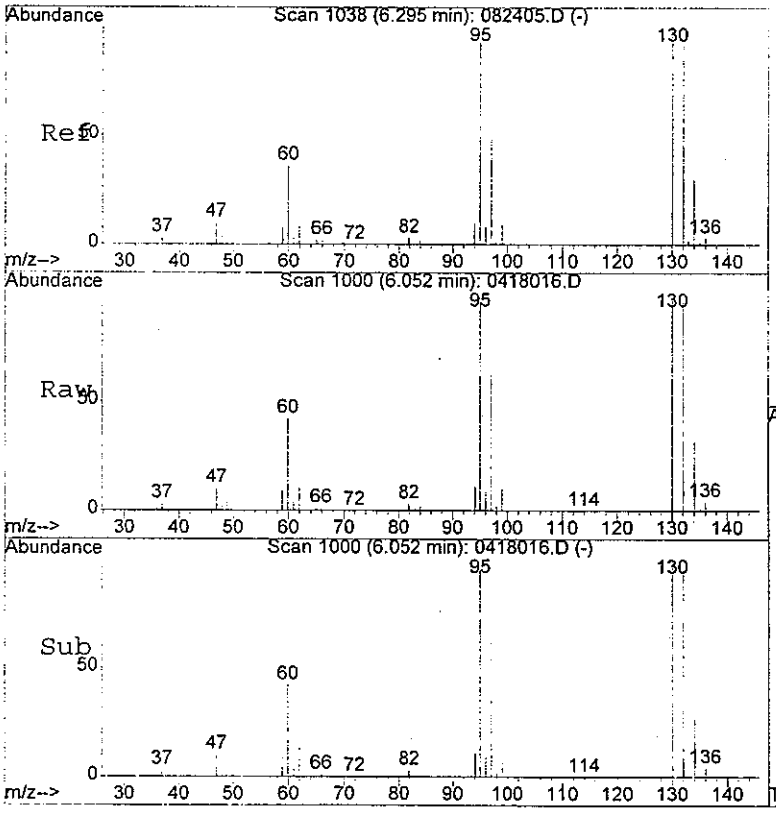


#16
(cis) 1,2-Dichloroethene
Concen: 144.36 ppb
RT: 3.70 min Scan# 609
Delta R.T. -0.02 min
Lab File: 0418016.D
Acq: 19 Apr 2000 9:37 pm

Tgt Ion: 61 Resp: 611687

Ion	Ratio	Lower	Upper
61	100		
63	32.6	25.8	38.8

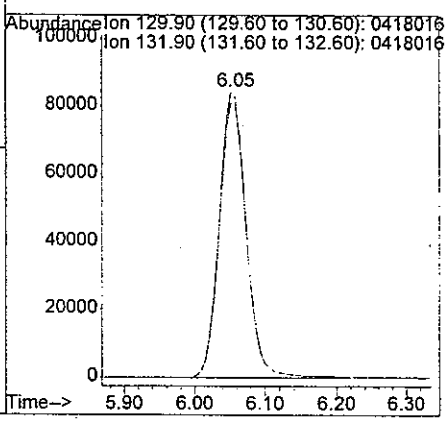


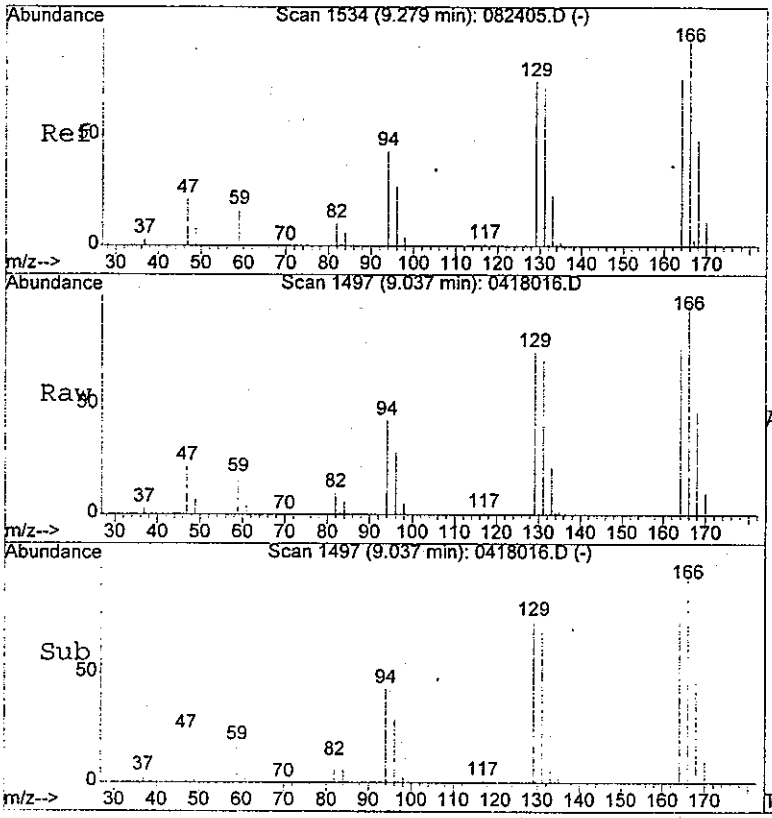


#26
Trichloroethene
Concen: 69.87 ppb
RT: 6.05 min Scan# 1000
Delta R.T. -0.02 min
Lab File: 0418016.D
Acq: 19 Apr 2000 9:37 pm

Tgt Ion:130 Resp: 223176

Ion	Ratio	Lower	Upper
130	100		
132	96.8	75.9	113.9

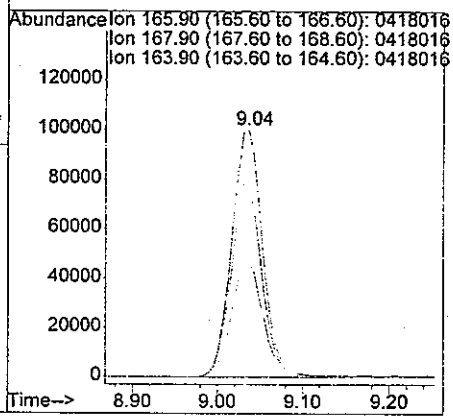




#37
Tetrachloroethene
Concen: 80.54 ppb
RT: 9.04 min Scan# 1497
Delta R.T. -0.02 min
Lab File: 0418016.D
Acq: 19 Apr 2000 9:37 pm

Tgt Ion:166 Resp: 253121

Ion	Ratio	Lower	Upper
166	100		
168	48.0	38.6	58.0
164	78.6	62.1	93.1



1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

MW-12

Lab Name: OnSite Environmental Contract: GWCC

Lab Code: OSE Case No.: 32-0039 SAS No.: SDG No.: 04-101

Matrix: (soil/water) WATER Lab Sample ID: 04-101-07

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: 0418009.D

Level: (low/med) LOW Date Received: 04/18/00

% Moisture: not dec. Date Analyzed: 04/24/00

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/L	Q
	Dichlorodifluoromethane	1	U
	Chloromethane	1	U
	Vinyl Chloride	1	U
	Bromomethane	1	U
	Chloroethane	1	U
	Trichlorofluoromethane	1	U
	1,1-Dichloroethene	1	U
	Acetone	6	
	Carbon Disulfide	1	U
	Methylene Chloride	5	U
	(trans) 1,2-Dichloroethene	1	U
	1,1-Dichloroethane	1	U
	Vinyl Acetate	5	U
	2,2-Dichloropropane	1	U
	(cis) 1,2-Dichloroethene	1	U
	2-Butanone	5	U
	Chloroform	1	U
	1,1,1-Trichloroethane	1	U
	Carbon Tetrachloride	1	U
	1,1-Dichloropropene	1	U
	Benzene	1	U
	1,2-Dichloroethane	1	U
	Trichloroethene	1	U
	1,2-Dichloropropane	1	U
	Dibromomethane	1	U
	Bromodichloromethane	1	U
	2-Chloroethyl Vinyl Ether	1	U
	(cis) 1,3-Dichloropropene	1	U
	Toluene	1	U
	(trans) 1,3-Dichloropropene	1	U
	1,1,2-Trichloroethane	1	U
	Tetrachloroethene	1	U
	1,3-Dichloropropane	1	U
	Methyl Isobutyl Ketone	5	U
	Dibromochloromethane	1	U
	1,2-Dibromoethane	1	U
	Chlorobenzene	1	U
	1,1,1,2-Tetrachloroethane	1	U
	Ethylbenzene	1	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-12

Lab Name: OnSite Environmental Contract: GWCC

Lab Code: OSE Case No.: 32-0039 SAS No.: SDG No.: 04-101

Matrix: (soil/water) WATER Lab Sample ID: 04-101-07

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: 0418009.D

Level: (low/med) LOW Date Received: 04/18/00

% Moisture: not dec. Date Analyzed: 04/24/00

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/L	Q
	m,p-Xylene	2	U
	o-Xylene	1	U
	Styrene	1	U
	Bromoform	1	U
	Isopropylbenzene	1	U
	Bromobenzene	1	U
	1,1,2,2-Tetrachloroethane	1	U
	1,2,3-Trichloropropane	1	U
	n-Propylbenzene	1	U
	2-Chlorotoluene	1	U
	4-Chlorotoluene	1	U
	1,3,5-Trimethylbenzene	1	U
	tert-Butylbenzene	1	U
	1,2,4-Trimethylbenzene	1	U
	sec-Butylbenzene	1	U
	1,3-Dichlorobenzene	1	U
	p-Isopropyltoluene	1	U
	1,4-Dichlorobenzene	1	U
	1,2-Dichlorobenzene	1	U
	n-Butylbenzene	1	U
	1,2-Dibromo-3-chloropropane	1	U
	1,2,4-Trichlorobenzene	1	U
	Hexachlorobutadiene	1	U
	Naphthalene	1	U
	1,2,3-Trichlorobenzene	1	U

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\APRIL00\A000424\0418009.D Vial: 9
Acq On : 24 Apr 2000 5:50 pm Operator:
Sample : 04-101-07 25UL Inst : GC/MS Ins
Misc : MW-12 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 28 9:12 2000 Quant Results File: 0417HIGH.RES

Quant Method : C:\HPCHEM\1\METHODS\0417HIGH.M (RTE Integrator)
Title : 8260 Calibration
Last Update : Tue Apr 18 11:21:09 2000
Response via : Initial Calibration
DataAcq Meth : 0317HIGH

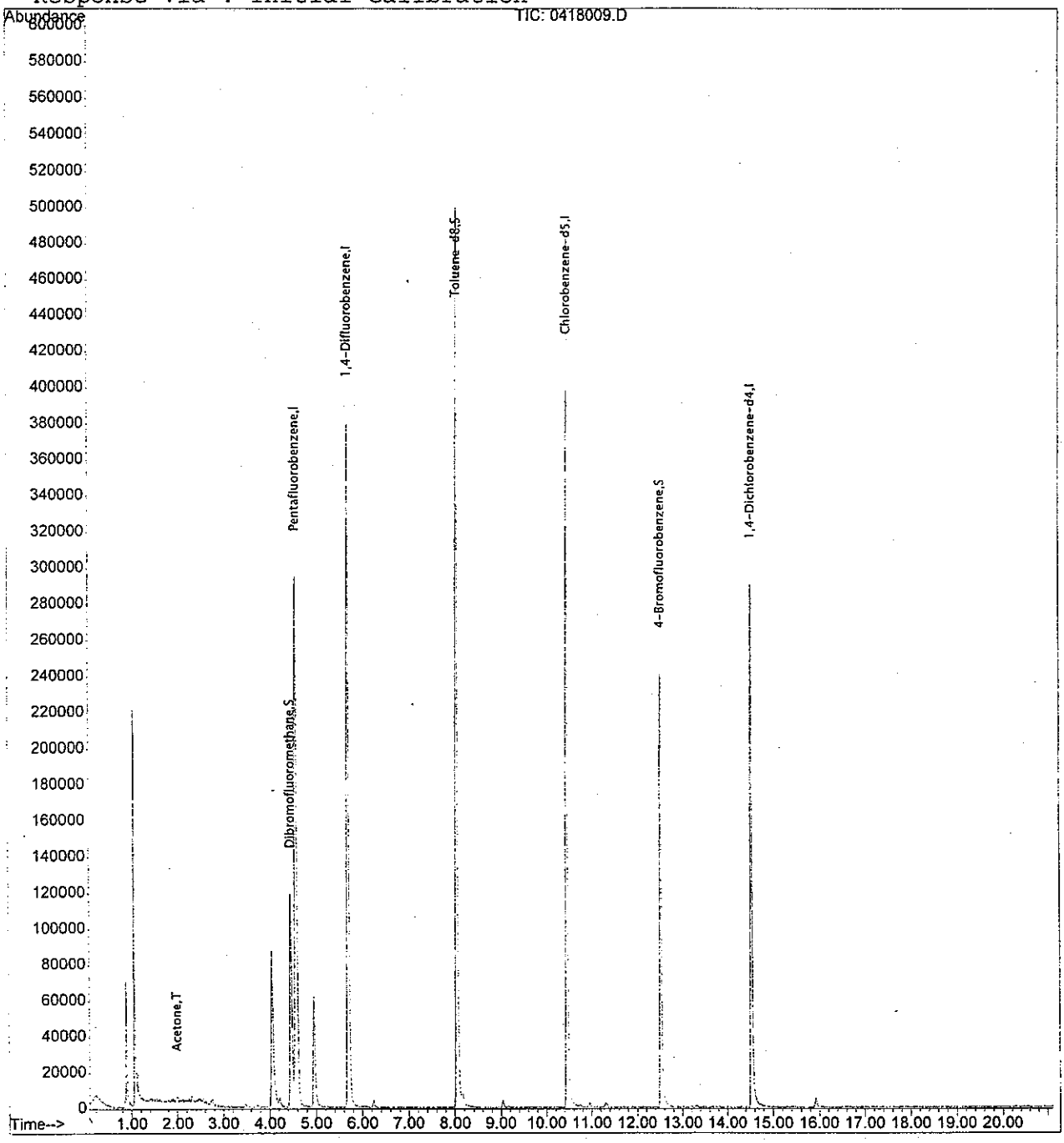
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Pentafluorobenzene	4.58	168	315106	50.00 ppb	-0.02
25) 1,4-Difluorobenzene	5.70	114	486656	50.00 ppb	-0.02
34) Chlorobenzene-d5	10.45	117	358051	50.00 ppb	-0.02
48) 1,4-Dichlorobenzene-d4	14.54	152	126420	50.00 ppb	-0.01
System Monitoring Compounds					
20) Dibromofluoromethane	4.47	111	128671	37.96 ppb	-0.02
Spiked Amount 50.000			Recovery =	75.92%	
32) Toluene-d8	8.05	98	489354	57.70 ppb	-0.02
Spiked Amount 50.000			Recovery =	115.40%	
51) 4-Bromofluorobenzene	12.53	95	140425	63.10 ppb	-0.01
Spiked Amount 50.000			Recovery =	126.20%	
Target Compounds					Qvalue
9) Acetone	2.00	43	4213	5.49 ppb	# 88

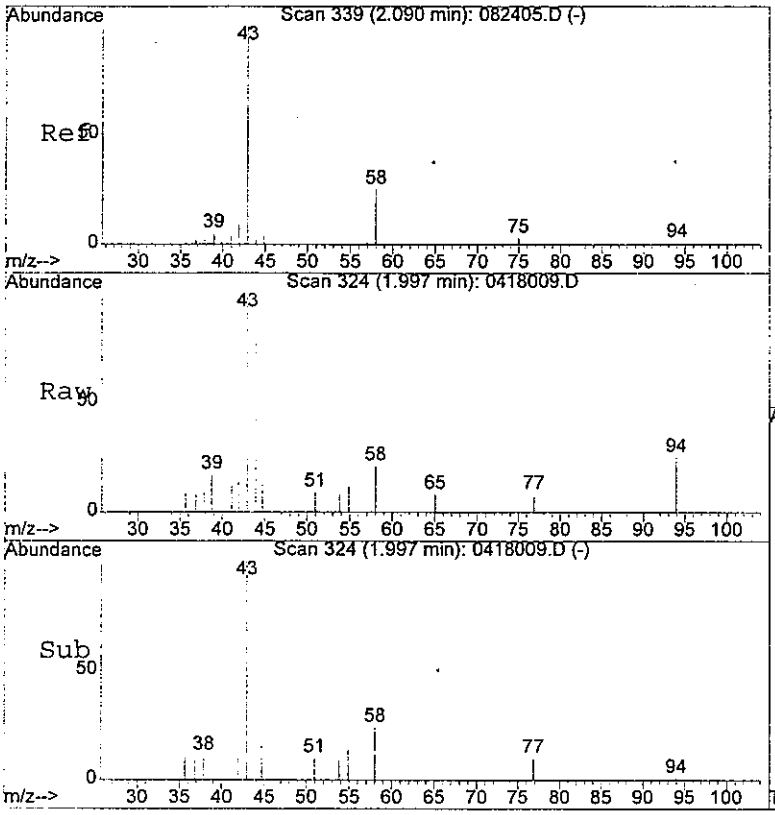
(#) = qualifier out of range (m) = manual integration
0418009.D 0417HIGH.M Fri May 12 10:02:17 2000

Quantitation Report

Data File : C:\HPCHEM\1\APRIL00\A000424\0418009.D Vial: 9
Acq On : 24 Apr 2000 5:50 pm Operator:
Sample : 04-101-07 25UL Inst : GC/MS Ins
Misc : MW-12 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 28 9:12 2000 Quant Results File: 0417HIGH.RES

Method : C:\HPCHEM\1\METHODS\0417HIGH.M (RTE Integrator)
Title : 8260 Calibration
Last Update : Tue Apr 18 11:21:09 2000
Response via : Initial Calibration

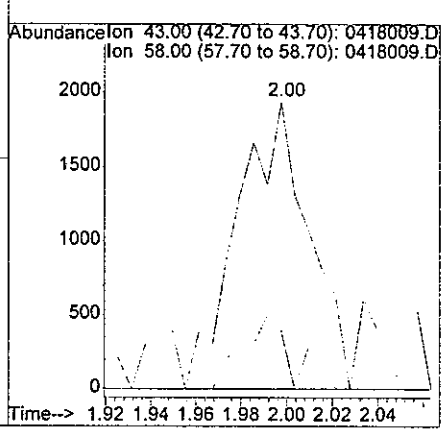




#9
Acetone
Concen: 5.49 ppb
RT: 2.00 min Scan# 324
Delta R.T. 0.01 min
Lab File: 0418009.D
Acq: 24 Apr 2000 5:50 pm

Tgt Ion: 43 Resp: 4213

Ion	Ratio	Lower	Upper
43	100		
58	18.5	19.7	29.5#



VOLATILES STANDARDS DATA

FORM VI: INITIAL CALIBRATION SUMMARY
RAW INITIAL CALIBRATION DATA
FORM VII: CONTINUING CALIBRATION CHECK
RAW CONTINUING CALIBRATION DATA

6A

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: OnSite Environmental Contract: GWCC

Lab Code: OSE Case No.: 32-0039 SAS No.: SDG No.: 04-101

Instrument ID: ALBERT Calibration Date(s): 04/17/00 04/17/00

Heated Purge (Y/N): N Calibration Times: 19:04 21:34

GC Column: DB-624 ID: 0.25 (mm)

LAB FILE ID: RRF1 = 0417011.D RRF5 = 0417012.D RRF200 = 0417016.D

RRF20 = 0417013.D RRF50 = 0417014.D RRF100 = 0417015.D

COMPOUND	RRF1	RRF5	RRF20	RRF50	RRF100	RRF200	$\overline{RRF}$	% RSD	
Dichlorodifluoromethane	0.266	0.213	0.255	0.250	0.248	0.234	0.245	7.6	
Chloromethane *	0.352	0.298	0.289	0.243	0.285	0.243	0.285	14.3	*
Vinyl Chloride	0.274	0.251	0.233	0.239	0.242	0.233	0.245	6.4	
Bromomethane	0.329	0.267	0.195	0.196	0.176	0.116	0.213	35.0	
Chloroethane	0.105	0.134	0.120	0.122	0.120	0.113	0.119	8.2	
Trichlorofluoromethane	0.346	0.401	0.369	0.400	0.434	0.395	0.391	7.7	
1,1-Dichloroethene	0.316	0.352	0.303	0.331	0.342	0.333	0.330	5.4	
Acetone		0.207	0.130	0.087	0.116	0.068	0.122	43.9	
Carbon Disulfide	0.699	0.668	0.597	0.658	0.662	0.668	0.659	5.1	
Methylene Chloride	0.828	0.418	0.284	0.283	0.272	0.269	0.392	56.3	
(trans) 1,2-Dichloroethene	0.290	0.316	0.277	0.316	0.332	0.312	0.307	6.6	
1,1-Dichloroethane *	0.694	0.737	0.564	0.636	0.756	0.601	0.665	11.5	*
Vinyl Acetate		0.165	0.230	0.442	0.267	0.530	0.327	46.9	
2,2-Dichloropropane	0.576	0.565	0.437	0.523	0.465	0.492	0.510	10.8	
(cis) 1,2-Dichloroethene	0.600	0.696	0.599	0.660	0.682	0.635	0.645	6.4	
2-Butanone		0.323	0.175	0.146	0.170	0.148	0.192	38.4	
Chloroform	0.832	0.859	0.766	0.836	0.894	0.838	0.837	5.0	
1,1,1-Trichloroethane	0.622	0.713	0.578	0.721	0.644	0.695	0.662	8.6	
Carbon Tetrachloride	0.605	0.617	0.518	0.643	0.584	0.638	0.601	7.7	
1,1-Dichloropropene	0.596	0.616	0.488	0.619	0.564	0.597	0.580	8.4	
Benzene	1.841	1.782	1.473	1.813	1.688	1.736	1.722	7.8	
1,2-Dichloroethane	0.536	0.593	0.501	0.588	0.542	0.592	0.559	6.8	
Trichloroethene	0.283	0.321	0.274	0.316	0.304	0.305	0.300	6.2	
1,2-Dichloropropane	0.245	0.260	0.224	0.263	0.236	0.252	0.247	6.0	
Dibromomethane	0.194	0.206	0.199	0.204	0.197	0.197	0.200	2.3	
Bromodichloromethane	0.387	0.367	0.344	0.392	0.359	0.394	0.374	5.4	
2-Chloroethyl Vinyl Ether	0.091	0.106	0.130	0.149	0.149	0.164	0.131	21.3	
(cis) 1,3-Dichloropropene	0.409	0.394	0.367	0.427	0.404	0.427	0.405	5.6	
Toluene	1.076	1.079	0.993	0.980	1.076	0.973	1.029	5.1	
(trans) 1,3-Dichloropropene	0.339	0.388	0.367	0.478	0.424	0.492	0.415	14.8	
1,1,2-Trichloroethane	0.258	0.285	0.251	0.319	0.282	0.319	0.286	10.2	
Tetrachloroethene	0.324	0.339	0.275	0.326	0.326	0.331	0.320	7.1	
1,3-Dichloropropane	0.407	0.438	0.402	0.505	0.459	0.513	0.454	10.5	
Methyl Isobutyl Ketone		0.149	0.217	0.166	0.193	0.171	0.179	14.8	
Dibromochloromethane	0.345	0.376	0.347	0.435	0.419	0.449	0.395	11.4	
1,2-Dibromoethane	0.252	0.305	0.303	0.358	0.350	0.362	0.322	13.4	
Chlorobenzene *	0.842	0.821	0.758	0.825	0.849	0.808	0.817	4.0	*
1,1,1,2-Tetrachloroethane	0.290	0.323	0.291	0.329	0.344	0.322	0.317	6.8	
Ethylbenzene	1.163	1.311	1.147	1.286	1.307	1.255	1.245	5.8	

* Compounds with required minimum RRF and maximum %RSD values.
All other compounds must meet a minimum RRF of 0.010.

6A

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: OnSite Environmental Contract: GWCC

Lab Code: OSE Case No.: 32-0039 SAS No.: SDG No.: 04-101

Instrument ID: ALBERT Calibration Date(s): 04/17/00 04/17/00

Heated Purge (Y/N): N Calibration Times: 19:04 21:34

GC Column: DB-624 ID: 0.25 (mm)

LAB FILE ID: RRF1 = 0417011.D RRF5 = 0417012.D RRF200 = 0417016.D

RRF20 = 0417013.D RRF50 = 0417014.D RRF100 = 0417015.D

COMPOUND		RRF1	RRF5	RRF20	RRF50	RRF100	RRF200	$\overline{RRF}$	% RSD	
m,p-Xylene		0.969	0.979	0.882	0.959	0.967	0.881	0.939	4.8	
o-Xylene		0.943	1.020	0.948	0.979	1.018	0.936	0.974	3.9	
Styrene		0.741	0.802	0.815	0.832	0.887	0.784	0.810	6.1	
Bromoform	*	0.476	0.500	0.514	0.501	0.571	0.482	0.507	6.7	*
Isopropylbenzene		2.857	2.920	2.424	2.710	2.854	2.478	2.707	7.8	
Bromobenzene		0.723	0.766	0.703	0.725	0.783	0.687	0.731	5.0	
1,1,2,2-Tetrachloroethane	*	0.669	0.609	0.646	0.650	0.658	0.642	0.646	3.2	*
1,2,3-Trichloropropane		0.491	0.499	0.528	0.488	0.524	0.460	0.498	5.1	
n-Propylbenzene		2.824	3.163	2.774	2.993	3.238	2.830	2.970	6.6	
2-Chlorotoluene		0.656	0.684	0.601	0.621	0.677	0.593	0.639	6.1	
4-Chlorotoluene		0.566	0.646	0.597	0.611	0.665	0.590	0.613	6.0	
1,3,5-Trimethylbenzene		2.028	2.197	1.960	2.028	2.165	1.981	2.060	4.8	
tert-Butylbenzene		1.762	1.853	1.621	1.683	1.813	1.640	1.729	5.5	
1,2,4-Trimethylbenzene		2.167	2.141	1.991	2.056	2.175	2.027	2.093	3.7	
sec-Butylbenzene		2.636	2.635	2.261	2.394	2.559	2.373	2.476	6.3	
1,3-Dichlorobenzene		1.134	1.234	1.124	1.216	1.260	1.214	1.197	4.6	
p-Isopropyltoluene		2.048	2.144	1.846	2.037	2.122	1.967	2.027	5.4	
1,4-Dichlorobenzene		1.325	1.335	1.150	1.232	1.249	1.152	1.240	6.5	
1,2-Dichlorobenzene		1.115	1.200	1.116	1.182	1.210	1.136	1.160	3.7	
n-Butylbenzene		1.606	1.829	1.584	1.882	1.969	1.861	1.789	8.8	
1,2-Dibromo-3-chloropropane		0.090	0.095	0.116	0.132	0.133	0.131	0.116	16.8	
1,2,4-Trichlorobenzene		0.455	0.601	0.633	0.717	0.755	0.727	0.648	17.2	
Hexachlorobutadiene		0.564	0.319	0.259	0.296	0.314	0.296	0.341	32.6	
Naphthalene		0.933	1.061	1.305	1.465	1.523	1.483	1.295	19.0	
1,2,3-Trichlorobenzene		0.437	0.459	0.519	0.584	0.603	0.586	0.531	13.4	
Dibromofluoromethane		0.506	0.555	0.534	0.536	0.559		0.538	3.9	
Toluene-d8		0.873	0.879	0.869	0.834	0.902	0.002	0.726	48.9	
4-Bromofluorobenzene		0.915	0.849	0.863	0.850	0.924		0.880	4.1	

* Compounds with required minimum RRF and maximum %RSD values.
All other compounds must meet a minimum RRF of 0.010.

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\APRIL00\A000417\0417011.D Vial: 11
Acq On : 17 Apr 2000 7:04 pm Operator:
Sample : 1.0 PPB STD Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 18 10:33 2000 Quant Results File: 0317HIGH.RES

Quant Method : C:\HPCHEM\1\METHODS\0317HIGH.M (RTE Integrator)
Title : 8260 Calibration
Last Update : Fri Apr 07 11:09:46 2000
Response via : Initial Calibration
DataAcq Meth : 0317HIGH

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Pentafluorobenzene	4.60	168	358203	50.00	ppb		-0.06
25) 1,4-Difluorobenzene	5.72	114	616867	50.00	ppb		-0.06
34) Chlorobenzene-d5	10.47	117	594401	50.00	ppb		-0.07
48) 1,4-Dichlorobenzene-d4	14.55	152	249485	50.00	ppb		-0.07
System Monitoring Compounds							
20) Dibromofluoromethane	4.48	111	3625m	1.19	ppb		-0.06
Spiked Amount 50.000			Recovery =	2.38%			
32) Toluene-d8	8.08	98	10771	1.12	ppb		-0.05
Spiked Amount 50.000			Recovery =	2.24%			
51) 4-Bromofluorobenzene	12.55	95	4565m	1.16	ppb		-0.06
Spiked Amount 50.000			Recovery =	2.32%			
Target Compounds							Qvalue
2) Dichlorodifluoromethane	0.98	85	1907	1.06	ppb	#	87
3) Chloromethane	1.09	50	2523	1.86	ppb		96
4) Vinyl Chloride	1.15	62	1964	1.53	ppb		96
5) Bromomethane	1.34	94	2359	1.79	ppb		86
6) Chloroethane	1.41	64	753	1.06	ppb		94
7) Trichlorofluoromethane	1.57	101	2477	0.73	ppb		97
8) 1,1-Dichloroethene	1.93	61	2264	0.95	ppb		95
10) Carbon Disulfide	2.08	76	5007	1.38	ppb		96
11) Methylene Chloride	2.32	49	5931	2.64	ppb	#	79
12) (trans) 1,2-Dichloroethene	2.56	61	2076	0.87	ppb	#	81
13) 1,1-Dichloroethane	2.99	63	4972m	1.44	ppb		
15) 2,2-Dichloropropane	3.70	77	4123m	0.96	ppb		
16) (cis) 1,2-Dichloroethene	3.72	61	4297	1.21	ppb	#	86
18) Chloroform	4.24	83	5958	1.24	ppb		100
19) 1,1,1-Trichloroethane	4.45	97	4459	0.92	ppb	#	17
21) Carbon Tetrachloride	4.68	117	4331m	0.97	ppb		
22) 1,1-Dichloropropene	4.71	75	4266	1.35	ppb	#	88
23) Benzene	5.02	78	13191	1.65	ppb		98
24) 1,2-Dichloroethane	5.10	62	3843	0.93	ppb	#	78
26) Trichloroethene	6.08	130	3490	0.98	ppb		98
27) 1,2-Dichloropropane	6.44	63	3020	1.15	ppb		96
28) Dibromomethane	6.65	174	2394	0.99	ppb		95
29) Bromodichloromethane	6.95	83	4774	0.94	ppb		92
30) 2-Chloroethyl Vinyl Ether	7.54	63	1122m	0.80	ppb		
31) (cis) 1,3-Dichloropropene	7.69	75	5042	1.10	ppb		99
33) Toluene	8.18	91	13271	1.17	ppb		98
35) (trans) 1,3-Dichloropropen	8.66	75	4024m	0.75	ppb		

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\APRIL00\A000417\0417011.D Vial: 11
Acq On : 17 Apr 2000 7:04 pm Operator:
Sample : 1.0 PPB STD Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 18 10:33 2000 Quant Results File: 0317HIGH.RES

Quant Method : C:\HPCHEM\1\METHODS\0317HIGH.M (RTE Integrator)
Title : 8260 Calibration
Last Update : Fri Apr 07 11:09:46 2000
Response via : Initial Calibration
DataAcq Meth : 0317HIGH

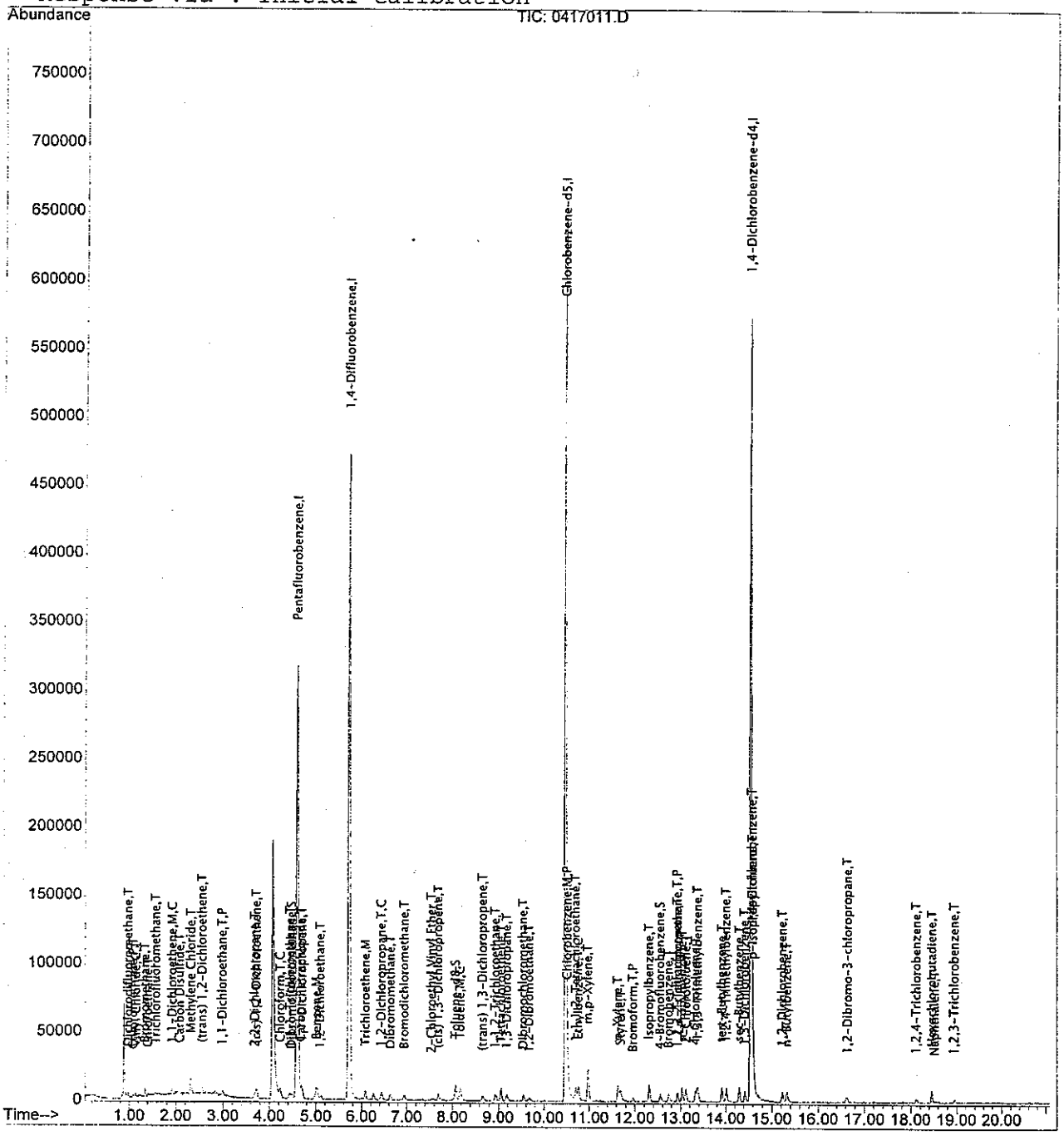
Compound	R.T.	QIon	Response	Conc Unit		Qvalue
36) 1,1,2-Trichloroethane	8.94	97	3071	1.00 ppb		88
37) Tetrachloroethene	9.06	166	3847	0.91 ppb		94
38) 1,3-Dichloropropane	9.19	76	4836	0.97 ppb		96
40) Dibromochloromethane	9.55	129	4102	0.85 ppb		90
41) 1,2-Dibromoethane	9.67	107	2990	0.88 ppb		95
42) Chlorobenzene	10.52	112	10011	1.05 ppb		95
43) 1,1,1,2-Tetrachloroethane	10.71	133	3450	0.82 ppb		90
44) Ethylbenzene	10.76	91	13830	0.91 ppb		98
45) m,p-Xylene	10.98	91	23032	1.94 ppb		99
46) o-Xylene	11.64	91	11214	0.91 ppb		98
47) Styrene	11.69	104	8804m	0.92 ppb		
49) Bromoform	11.96	173	2377	1.12 ppb	#	90
50) Isopropylbenzene	12.31	105	14253	1.18 ppb		97
52) Bromobenzene	12.74	156	3608m	1.06 ppb		
53) 1,1,2,2-Tetrachloroethane	12.93	83	3338	1.33 ppb		92
54) 1,2,3-Trichloropropane	12.94	75	2448	1.26 ppb		91
55) n-Propylbenzene	13.04	91	14089	1.10 ppb		99
56) 2-Chlorotoluene	13.12	126	3273	1.13 ppb		98
57) 4-Chlorotoluene	13.33	126	2825	1.02 ppb	#	84
58) 1,3,5-Trimethylbenzene	13.37	105	10119	1.03 ppb		100
59) tert-Butylbenzene	13.91	119	8790	1.01 ppb		99
60) 1,2,4-Trimethylbenzene	14.00	105	10812	1.07 ppb		98
61) sec-Butylbenzene	14.30	105	13151	1.13 ppb	#	90
62) 1,3-Dichlorobenzene	14.43	146	5658	0.89 ppb		95
63) p-Isopropyltoluene	14.60	119	10220	0.94 ppb	#	90
64) 1,4-Dichlorobenzene	14.59	146	6609	1.03 ppb		90
65) 1,2-Dichlorobenzene	15.23	146	5564	0.94 ppb		93
66) n-Butylbenzene	15.32	91	8012	0.86 ppb		90
67) 1,2-Dibromo-3-chloropropan	16.65	157	447m	0.79 ppb		
68) 1,2,4-Trichlorobenzene	18.12	180	2270	0.54 ppb		95
69) Hexachlorobutadiene	18.47	225	2815	1.49 ppb		96
70) Naphthalene	18.52	128	4656m	0.62 ppb		
71) 1,2,3-Trichlorobenzene	18.95	180	2178	0.64 ppb	#	78

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\APRIL00\A000417\0417011.D Vial: 11
Acq On : 17 Apr 2000 7:04 pm Operator:
Sample : 1.0 PPB STD Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 18 10:33 2000 Quant Results File: 0317HIGH.RES

Method : C:\HPCHEM\1\METHODS\0417HIGH.M (RTE Integrator)
Title : 8260 Calibration
Last Update : Tue Apr 18 11:21:09 2000
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\APRIL00\A000417\0417012.D Vial: 12
Acq On : 17 Apr 2000 7:34 pm Operator:
Sample : 5.0 PPB STD Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 18 10:35 2000 Quant Results File: 0317HIGH.RES

Quant Method : C:\HPCHEM\1\METHODS\0317HIGH.M (RTE Integrator)
Title : 8260 Calibration
Last Update : Fri Apr 07 11:09:46 2000
Response via : Initial Calibration
DataAcq Meth : 0317HIGH

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Pentafluorobenzene	4.61	168	369138	50.00	ppb		-0.05
25) 1,4-Difluorobenzene	5.72	114	641575	50.00	ppb		-0.05
34) Chlorobenzene-d5	10.47	117	597693	50.00	ppb		-0.06
48) 1,4-Dichlorobenzene-d4	14.55	152	250549	50.00	ppb		-0.07
System Monitoring Compounds							
20) Dibromofluoromethane	4.49	111	20488	6.53	ppb		-0.05
Spiked Amount 50.000			Recovery = 13.06%				
32) Toluene-d8	8.08	98	56406	5.63	ppb		-0.05
Spiked Amount 50.000			Recovery = 11.26%				
51) 4-Bromofluorobenzene	12.55	95	21274	5.39	ppb		-0.06
Spiked Amount 50.000			Recovery = 10.78%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	0.98	85	7868	4.24	ppb		95
3) Chloromethane	1.10	50	10988	7.86	ppb		100
4) Vinyl Chloride	1.15	62	9268	7.00	ppb		96
5) Bromomethane	1.34	94	9841	7.27	ppb		91
6) Chloroethane	1.41	64	4953	6.78	ppb	#	87
7) Trichlorofluoromethane	1.57	101	14791	4.22	ppb		90
8) 1,1-Dichloroethene	1.93	61	12995	5.27	ppb		92
9) Acetone	2.00	43	7642	13.01	ppb		94
10) Carbon Disulfide	2.08	76	24667	6.62	ppb		95
11) Methylene Chloride	2.32	49	15426	6.66	ppb		95
12) (trans) 1,2-Dichloroethene	2.56	61	11652	4.71	ppb		95
13) 1,1-Dichloroethane	3.00	63	27194	7.66	ppb		91
14) Vinyl Acetate	3.09	43	6076	2.22	ppb		99
15) 2,2-Dichloropropane	3.70	77	20856	4.71	ppb		96
16) (cis) 1,2-Dichloroethene	3.73	61	25693	7.03	ppb		99
17) 2-Butanone	3.88	43	11913m	17.25	ppb		
18) Chloroform	4.25	83	31694	6.39	ppb		94
19) 1,1,1-Trichloroethane	4.44	97	26314	5.28	ppb		96
21) Carbon Tetrachloride	4.68	117	22771	4.95	ppb		99
22) 1,1-Dichloropropene	4.71	75	22755	6.98	ppb		99
23) Benzene	5.03	78	65781	7.97	ppb		95
24) 1,2-Dichloroethane	5.10	62	21885	5.15	ppb		99
26) Trichloroethene	6.08	130	20612	5.59	ppb		99
27) 1,2-Dichloropropane	6.44	63	16685	6.12	ppb		99
28) Dibromomethane	6.64	174	13212	5.25	ppb		97
29) Bromodichloromethane	6.95	83	23554	4.44	ppb		99
30) 2-Chloroethyl Vinyl Ether	7.54	63	6820	4.67	ppb	#	69

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\APRIL00\A000417\0417012.D Vial: 12
Acq On : 17 Apr 2000 7:34 pm Operator:
Sample : 5.0 PPB STD Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 18 10:35 2000 Quant Results File: 0317HIGH.RES

Quant Method : C:\HPCHEM\1\METHODS\0317HIGH.M (RTE Integrator)
Title : 8260 Calibration
Last Update : Fri Apr 07 11:09:46 2000
Response via : Initial Calibration
DataAcq Meth : 0317HIGH

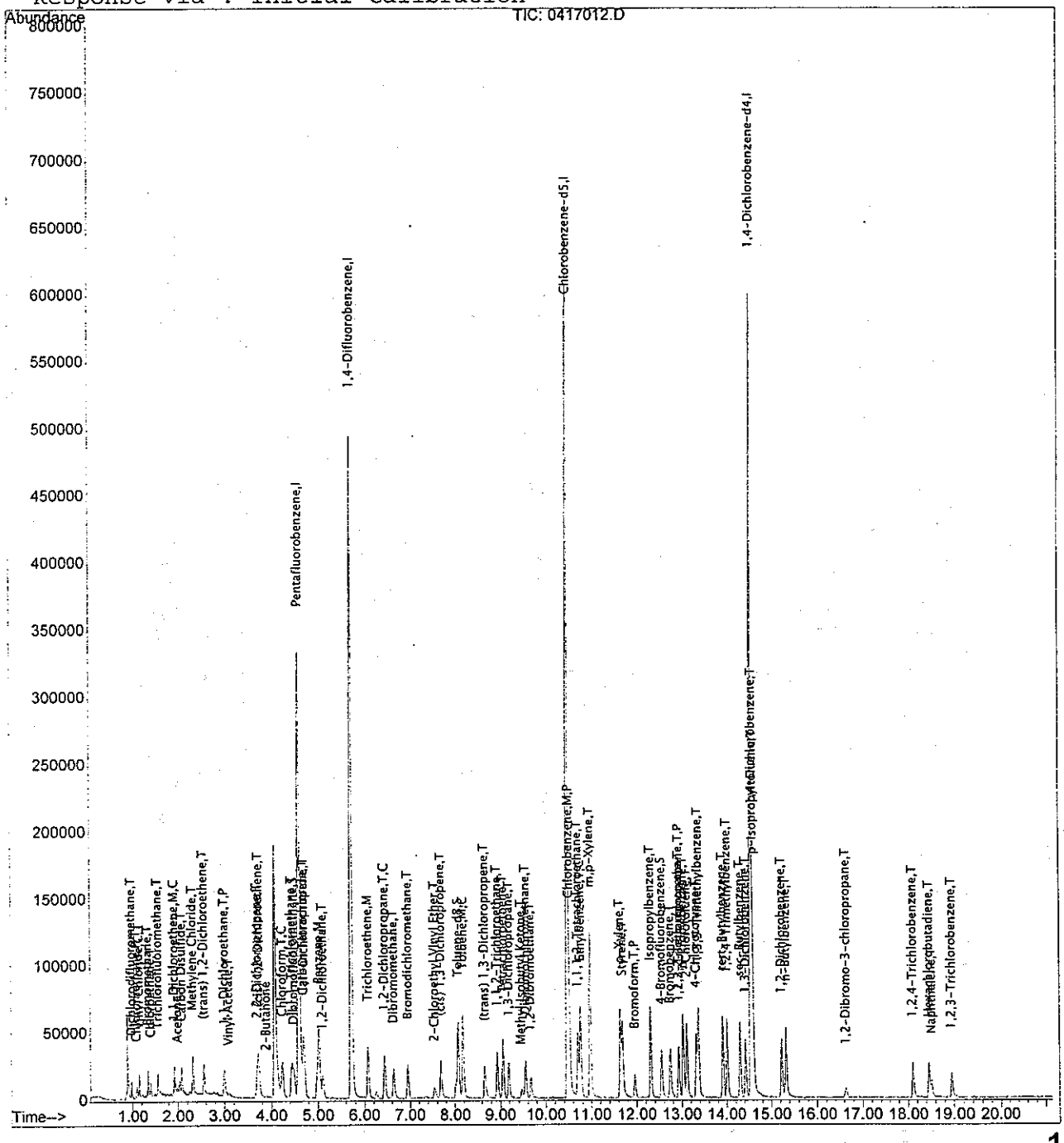
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
31)	(cis) 1,3-Dichloropropene	7.69	75	25260	5.29	ppb		94
33)	Toluene	8.17	91	69202	5.86	ppb		99
35)	(trans) 1,3-Dichloropropen	8.66	75	23176	4.28	ppb		98
36)	1,1,2-Trichloroethane	8.94	97	17011	5.50	ppb		94
37)	Tetrachloroethene	9.06	166	20232	4.74	ppb		98
38)	1,3-Dichloropropane	9.18	76	26181	5.24	ppb		100
39)	Methyl Isobutyl Ketone	9.45	43	8874	5.48	ppb	#	80
40)	Dibromochloromethane	9.54	129	22490	4.66	ppb		95
41)	1,2-Dibromoethane	9.66	107	18245	5.36	ppb		99
42)	Chlorobenzene	10.52	112	49077	5.14	ppb		98
43)	1,1,1,2-Tetrachloroethane	10.70	133	19309	4.58	ppb		100
44)	Ethylbenzene	10.76	91	78354	5.11	ppb		99
45)	m,p-Xylene	10.97	91	116966	9.81	ppb		97
46)	o-Xylene	11.63	91	60964	4.90	ppb		97
47)	Styrene	11.69	104	47937	4.96	ppb		100
49)	Bromoform	11.96	173	12527	5.87	ppb		97
50)	Isopropylbenzene	12.31	105	73167	6.03	ppb		99
52)	Bromobenzene	12.74	156	19194	5.60	ppb		98
53)	1,1,2,2-Tetrachloroethane	12.93	83	15252	6.07	ppb		95
54)	1,2,3-Trichloropropane	12.94	75	12513	6.39	ppb		92
55)	n-Propylbenzene	13.03	91	79243	6.13	ppb		98
56)	2-Chlorotoluene	13.11	126	17142	5.90	ppb		100
57)	4-Chlorotoluene	13.32	126	16177	5.81	ppb		95
58)	1,3,5-Trimethylbenzene	13.38	105	55055	5.56	ppb		99
59)	tert-Butylbenzene	13.91	119	46430	5.30	ppb		99
60)	1,2,4-Trimethylbenzene	14.01	105	53636	5.27	ppb		96
61)	sec-Butylbenzene	14.31	105	66012	5.65	ppb		94
62)	1,3-Dichlorobenzene	14.43	146	30916	4.82	ppb		98
63)	p-Isopropyltoluene	14.60	119	53715	4.91	ppb		99
64)	1,4-Dichlorobenzene	14.59	146	33451	5.20	ppb		95
65)	1,2-Dichlorobenzene	15.23	146	30068	5.04	ppb		95
66)	n-Butylbenzene	15.32	91	45836	4.92	ppb		95
67)	1,2-Dibromo-3-chloropropan	16.65	157	2386	4.23	ppb	#	91
68)	1,2,4-Trichlorobenzene	18.10	180	15069	3.58	ppb		96
69)	Hexachlorobutadiene	18.46	225	7990	4.20	ppb		97
70)	Naphthalene	18.52	128	26585m	3.54	ppb		
71)	1,2,3-Trichlorobenzene	18.96	180	11510m	3.39	ppb		

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\APRIL00\A000417\0417012.D Vial: 12
Acq On : 17 Apr 2000 7:34 pm Operator:
Sample : 5.0 PPB STD Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 18 10:35 2000 Quant Results File: 0317HIGH.RES

Method : C:\HPCHEM\1\METHODS\0417HIGH.M (RTE Integrator)
Title : 8260 Calibration
Last Update : Tue Apr 18 11:21:09 2000
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\APRIL00\A000417\0417013.D Vial: 13
Acq On : 17 Apr 2000 8:04 pm Operator:
Sample : 20 PPB STD Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 18 10:36 2000 Quant Results File: 0317HIGH.RES

Quant Method : C:\HPCHEM\1\METHODS\0317HIGH.M (RTE Integrator)
Title : 8260 Calibration
Last Update : Fri Apr 07 11:09:46 2000
Response via : Initial Calibration
DataAcq Meth : 0317HIGH

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Pentafluorobenzene	4.61	168	338233	50.00	ppb		-0.05
25) 1,4-Difluorobenzene	5.72	114	564568	50.00	ppb		-0.06
34) Chlorobenzene-d5	10.47	117	560845	50.00	ppb		-0.06
48) 1,4-Dichlorobenzene-d4	14.55	152	257925	50.00	ppb		-0.07
System Monitoring Compounds							
20) Dibromofluoromethane	4.49	111	72189m	25.12	ppb		-0.06
Spiked Amount 50.000			Recovery =	50.24%			
32) Toluene-d8	8.07	98	196264	22.25	ppb		-0.06
Spiked Amount 50.000			Recovery =	44.50%			
51) 4-Bromofluorobenzene	12.55	95	89056	21.91	ppb		-0.06
Spiked Amount 50.000			Recovery =	43.82%			
Target Compounds							Qvalue
2) Dichlorodifluoromethane	0.98	85	34557	20.33	ppb		98
3) Chloromethane	1.10	50	39092	30.54	ppb		99
4) Vinyl Chloride	1.15	62	31499	25.97	ppb		100
5) Bromomethane	1.34	94	26439	21.30	ppb		99
6) Chloroethane	1.40	64	16221	24.24	ppb		99
7) Trichlorofluoromethane	1.57	101	49887	15.55	ppb		93
8) 1,1-Dichloroethene	1.92	61	41009	18.17	ppb		98
9) Acetone	1.99	43	17637	32.77	ppb	#	68
10) Carbon Disulfide	2.08	76	80819	23.66	ppb		99
11) Methylene Chloride	2.32	49	38351	18.08	ppb		96
12) (trans) 1,2-Dichloroethene	2.56	61	37435	16.53	ppb		97
13) 1,1-Dichloroethane	3.00	63	76298	23.45	ppb		96
14) Vinyl Acetate	3.09	43	31082	12.40	ppb		98
15) 2,2-Dichloropropane	3.69	77	59183	14.58	ppb		100
16) (cis) 1,2-Dichloroethene	3.73	61	81017	24.20	ppb		98
17) 2-Butanone	3.83	43	23718	37.48	ppb		96
18) Chloroform	4.23	83	103675	22.81	ppb		97
19) 1,1,1-Trichloroethane	4.44	97	78170	17.12	ppb		98
21) Carbon Tetrachloride	4.67	117	70093	16.63	ppb		98
22) 1,1-Dichloropropene	4.71	75	66074	22.10	ppb		100
23) Benzene	5.02	78	199289	26.36	ppb		97
24) 1,2-Dichloroethane	5.10	62	67786	17.40	ppb		94
26) Trichloroethene	6.08	130	61812	19.04	ppb		100
27) 1,2-Dichloropropane	6.44	63	50567	21.08	ppb		96
28) Dibromomethane	6.63	174	44949	20.31	ppb		97
29) Bromodichloromethane	6.94	83	77628	16.62	ppb		100
30) 2-Chloroethyl Vinyl Ether	7.53	63	29397	22.87	ppb		95

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\APRIL00\A000417\0417013.D Vial: 13
Acq On : 17 Apr 2000 8:04 pm Operator:
Sample : 20 PPB STD Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 18 10:36 2000 Quant Results File: 0317HIGH.RES

Quant Method : C:\HPCHEM\1\METHODS\0317HIGH.M (RTE Integrator)
Title : 8260 Calibration
Last Update : Fri Apr 07 11:09:46 2000
Response via : Initial Calibration
DataAcq Meth : 0317HIGH

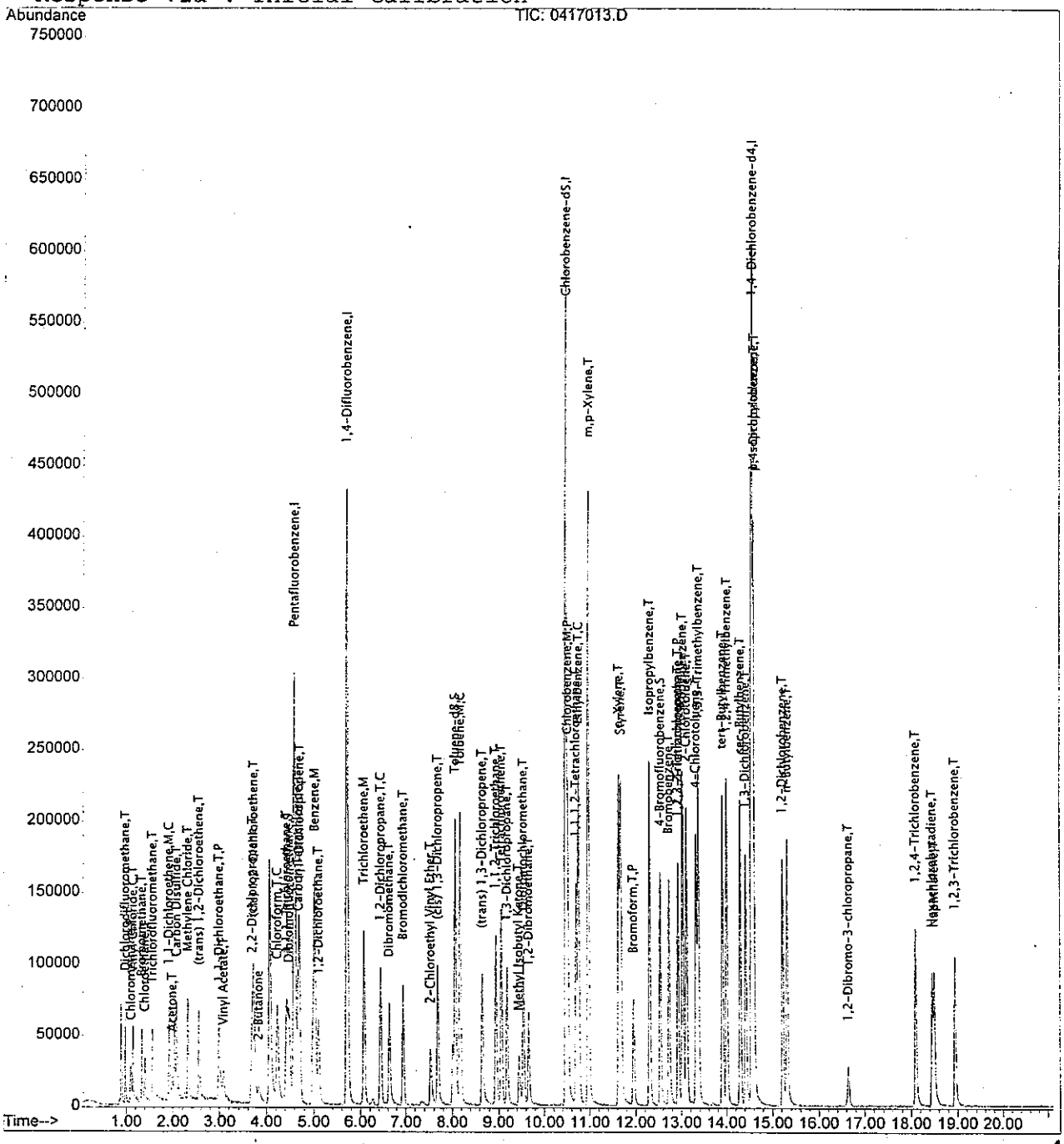
Compound	R.T.	QIon	Response	Conc Unit	Qvalue
31) (cis) 1,3-Dichloropropene	7.68	75	82901	19.73 ppb	98
33) Toluene	8.18	91	224282	21.59 ppb	100
35) (trans) 1,3-Dichloropropen	8.65	75	82396	16.23 ppb	99
36) 1,1,2-Trichloroethane	8.93	97	56284	19.41 ppb	98
37) Tetrachloroethene	9.05	166	61669	15.38 ppb	99
38) 1,3-Dichloropropane	9.18	76	90169	19.25 ppb	99
39) Methyl Isobutyl Ketone	9.45	43	48656m	32.02 ppb	
40) Dibromochloromethane	9.54	129	77808	17.18 ppb	99
41) 1,2-Dibromoethane	9.66	107	67997	21.31 ppb	97
42) Chlorobenzene	10.52	112	170016	18.96 ppb	99
43) 1,1,1,2-Tetrachloroethane	10.71	133	65370	16.51 ppb	99
44) Ethylbenzene	10.76	91	257288	17.90 ppb	100
45) m,p-Xylene	10.97	91	395774	35.37 ppb	99
46) o-Xylene	11.64	91	212622	18.20 ppb	99
47) Styrene	11.68	104	182777	20.14 ppb	100
49) Bromoform	11.95	173	52983	24.11 ppb	99
50) Isopropylbenzene	12.31	105	250075	20.00 ppb	99
52) Bromobenzene	12.73	156	72565	20.57 ppb	99
53) 1,1,2,2-Tetrachloroethane	12.92	83	66601	25.75 ppb	98
54) 1,2,3-Trichloropropane	12.93	75	54459	27.02 ppb	94
55) n-Propylbenzene	13.03	91	286138	21.52 ppb	97
56) 2-Chlorotoluene	13.10	126	62033	20.73 ppb	99
57) 4-Chlorotoluene	13.32	126	61614	21.50 ppb	94
58) 1,3,5-Trimethylbenzene	13.37	105	202259	19.84 ppb	99
59) tert-Butylbenzene	13.91	119	167263	18.55 ppb	98
60) 1,2,4-Trimethylbenzene	14.01	105	205385	19.61 ppb	99
61) sec-Butylbenzene	14.30	105	233262	19.40 ppb	95
62) 1,3-Dichlorobenzene	14.42	146	115979	17.57 ppb	96
63) p-Isopropyltoluene	14.59	119	190428	16.89 ppb	99
64) 1,4-Dichlorobenzene	14.59	146	118678	17.91 ppb	98
65) 1,2-Dichlorobenzene	15.22	146	115151	18.76 ppb	99
66) n-Butylbenzene	15.32	91	163438	17.04 ppb	93
67) 1,2-Dibromo-3-chloropropan	16.65	157	11995	20.63 ppb	97
68) 1,2,4-Trichlorobenzene	18.10	180	65317	15.09 ppb	96
69) Hexachlorobutadiene	18.46	225	26675	13.62 ppb	99
70) Naphthalene	18.50	128	134658	17.42 ppb	98
71) 1,2,3-Trichlorobenzene	18.95	180	53549	15.33 ppb	98

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\APRIL00\A000417\0417013.D Vial: 13
Acq On : 17 Apr 2000 8:04 pm Operator:
Sample : 20 PPB STD Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 18 10:36 2000 Quant Results File: 0317HIGH.RES

Method : C:\HPCHEM\1\METHODS\0417HIGH.M (RTE Integrator)
Title : 8260 Calibration
Last Update : Tue Apr 18 11:21:09 2000
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\APRIL00\A000417\0417014.D Vial: 14
Acq On : 17 Apr 2000 8:34 pm Operator:
Sample : 50 PPB STD Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 17 20:55 2000 Quant Results File: 0317HIGH.RES

Quant Method : C:\HPCHEM\1\METHODS\0317HIGH.M (RTE Integrator)
Title : 8260 Calibration
Last Update : Fri Apr 07 11:09:46 2000
Response via : Initial Calibration
DataAcq Meth : 0317HIGH

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Pentafluorobenzene	4.60	168	390056	50.00	ppb		-0.06
25) 1,4-Difluorobenzene	5.72	114	698714	50.00	ppb		-0.06
34) Chlorobenzene-d5	10.47	117	599967	50.00	ppb		-0.06
48) 1,4-Dichlorobenzene-d4	14.55	152	258151	50.00	ppb		-0.07
System Monitoring Compounds							
20) Dibromofluoromethane	4.48	111	209153	63.10	ppb		-0.06
Spiked Amount 50.000			Recovery = 126.20%				
32) Toluene-d8	8.07	98	582437	53.36	ppb		-0.06
Spiked Amount 50.000			Recovery = 106.72%				
51) 4-Bromofluorobenzene	12.54	95	219382	53.93	ppb		-0.07
Spiked Amount 50.000			Recovery = 107.86%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	0.98	85	97452	49.71	ppb		99
3) Chloromethane	1.10	50	94591	64.07	ppb		99
4) Vinyl Chloride	1.14	62	93352	66.74	ppb		100
5) Bromomethane	1.34	94	76253	53.28	ppb		99
6) Chloroethane	1.40	64	47502	61.56	ppb		99
7) Trichlorofluoromethane	1.57	101	156142	42.20	ppb		98
8) 1,1-Dichloroethene	1.92	61	128957	49.53	ppb		99
9) Acetone	1.99	43	34047	54.86	ppb	#	77
10) Carbon Disulfide	2.08	76	256758	65.19	ppb		99
11) Methylene Chloride	2.32	49	110323	45.10	ppb		97
12) (trans) 1,2-Dichloroethene	2.56	61	123360	47.22	ppb		100
13) 1,1-Dichloroethane	2.99	63	248068	66.12	ppb		96
14) Vinyl Acetate	3.09	43	172295	59.61	ppb		97
15) 2,2-Dichloropropane	3.69	77	203992	43.59	ppb		99
16) (cis) 1,2-Dichloroethene	3.73	61	257290	66.65	ppb		100
17) 2-Butanone	3.82	43	57064	78.19	ppb	#	91
18) Chloroform	4.24	83	325992	62.20	ppb		99
19) 1,1,1-Trichloroethane	4.44	97	281134	53.38	ppb		98
21) Carbon Tetrachloride	4.68	117	250913	51.61	ppb		99
22) 1,1-Dichloropropene	4.70	75	241278	69.99	ppb		100
23) Benzene	5.02	78	707131	81.11	ppb		98
24) 1,2-Dichloroethane	5.10	62	229293	51.04	ppb		97
26) Trichloroethene	6.08	130	220614	54.90	ppb		97
27) 1,2-Dichloropropane	6.44	63	183570	61.84	ppb		99
28) Dibromomethane	6.63	174	142712	52.12	ppb		96
29) Bromodichloromethane	6.94	83	273835	47.38	ppb		98
30) 2-Chloroethyl Vinyl Ether	7.52	63	103740	65.22	ppb		97

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\APRIL00\A000417\0417014.D Vial: 14
Acq On : 17 Apr 2000 8:34 pm Operator:
Sample : 50 PPB STD Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 17 20:55 2000 Quant Results File: 0317HIGH.RES

Quant Method : C:\HPCHEM\1\METHODS\0317HIGH.M (RTE Integrator)
Title : 8260 Calibration
Last Update : Fri Apr 07 11:09:46 2000
Response via : Initial Calibration
DataAcq Meth : 0317HIGH

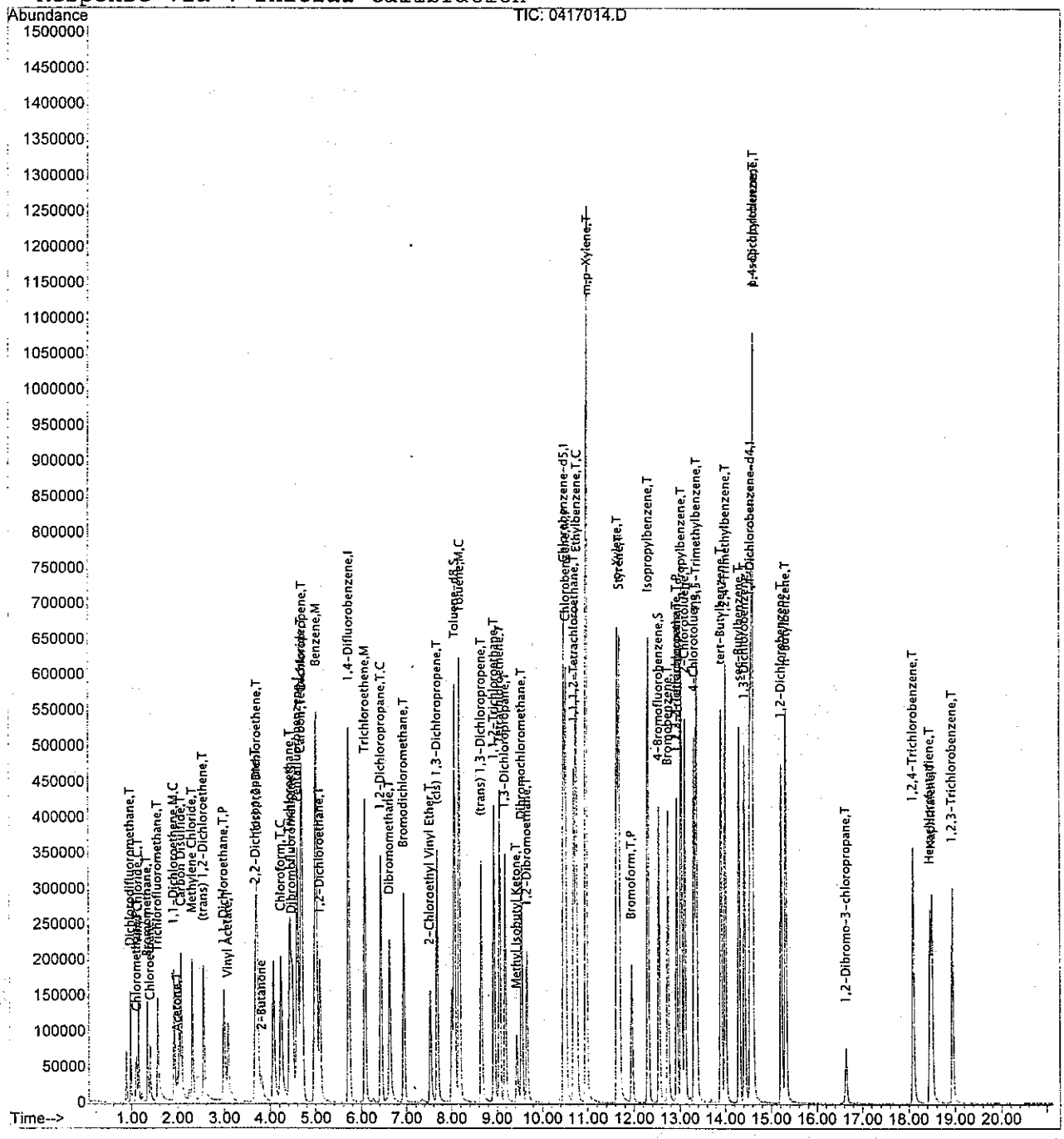
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
31)	(cis) 1,3-Dichloropropene	7.68	75	298567	57.41	ppb		100
33)	Toluene	8.18	91	684790	53.27	ppb		100
35)	(trans) 1,3-Dichloropropen	8.65	75	286846	52.81	ppb		100
36)	1,1,2-Trichloroethane	8.93	97	191619	61.76	ppb		97
37)	Tetrachloroethene	9.06	166	195459	45.58	ppb		99
38)	1,3-Dichloropropane	9.18	76	302948	60.46	ppb		99
39)	Methyl Isobutyl Ketone	9.43	43	99390	61.15	ppb	#	84
40)	Dibromochloromethane	9.54	129	261028	53.88	ppb		99
41)	1,2-Dibromoethane	9.66	107	214571	62.85	ppb		98
42)	Chlorobenzene	10.52	112	495010	51.60	ppb		99
43)	1,1,1,2-Tetrachloroethane	10.71	133	197239	46.58	ppb		99
44)	Ethylbenzene	10.76	91	771368	50.16	ppb		100
45)	m,p-Xylene	10.97	91	1150430	96.11	ppb		98
46)	o-Xylene	11.64	91	587053	46.98	ppb		97
47)	Styrene	11.68	104	499133	51.42	ppb		100
49)	Bromoform	11.95	173	129388	58.82	ppb		99
50)	Isopropylbenzene	12.31	105	699685	55.92	ppb		99
52)	Bromobenzene	12.74	156	187261	53.03	ppb		97
53)	1,1,2,2-Tetrachloroethane	12.93	83	167911	64.87	ppb		99
54)	1,2,3-Trichloropropane	12.93	75	125983	62.45	ppb		99
55)	n-Propylbenzene	13.03	91	772653	58.05	ppb		97
56)	2-Chlorotoluene	13.11	126	160186	53.50	ppb		98
57)	4-Chlorotoluene	13.32	126	157732	54.98	ppb		96
58)	1,3,5-Trimethylbenzene	13.37	105	523514	51.32	ppb		98
59)	tert-Butylbenzene	13.92	119	434381	48.13	ppb		100
60)	1,2,4-Trimethylbenzene	14.01	105	530851	50.65	ppb		98
61)	sec-Butylbenzene	14.30	105	618073	51.36	ppb		95
62)	1,3-Dichlorobenzene	14.42	146	313849	47.52	ppb		97
63)	p-Isopropyltoluene	14.60	119	525731	46.59	ppb		98
64)	1,4-Dichlorobenzene	14.59	146	318131	47.98	ppb		96
65)	1,2-Dichlorobenzene	15.22	146	305116	49.67	ppb		96
66)	n-Butylbenzene	15.32	91	485898	50.63	ppb		92
67)	1,2-Dibromo-3-chloropropan	16.65	157	34097	58.60	ppb		99
68)	1,2,4-Trichlorobenzene	18.10	180	185005	42.70	ppb		98
69)	Hexachlorobutadiene	18.46	225	76309	38.93	ppb		100
70)	Naphthalene	18.50	128	378135	48.87	ppb		98
71)	1,2,3-Trichlorobenzene	18.94	180	150839	43.14	ppb		98

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\APRIL00\A000417\0417014.D Vial: 14
Acq On : 17 Apr 2000 8:34 pm Operator:
Sample : 50 PPB STD Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 17 20:55 2000 Quant Results File: 0317HIGH.RES

Method : C:\HPCHEM\1\METHODS\0417HIGH.M (RTE Integrator)
Title : 8260 Calibration
Last Update : Tue Apr 18 11:21:09 2000
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\APRIL00\A000417\0417015.D Vial: 15
Acq On : 17 Apr 2000 9:04 pm Operator:
Sample : 100 PPB STD Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 17 21:25 2000 Quant Results File: 0317HIGH.RES

Quant Method : C:\HPCHEM\1\METHODS\0317HIGH.M (RTE Integrator)
Title : 8260 Calibration
Last Update : Fri Apr 07 11:09:46 2000
Response via : Initial Calibration
DataAcq Meth : 0317HIGH

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Pentafluorobenzene	4.60	168	338427	50.00	ppb		-0.06
25) 1,4-Difluorobenzene	5.72	114	601566	50.00	ppb		-0.06
34) Chlorobenzene-d5	10.47	117	579729	50.00	ppb		-0.06
48) 1,4-Dichlorobenzene-d4	14.55	152	254242	50.00	ppb		-0.07
System Monitoring Compounds							
20) Dibromofluoromethane	4.49	111	378221	131.52	ppb		-0.06
Spiked Amount 50.000			Recovery = 263.04%				
32) Toluene-d8	8.07	98	1084876	115.44	ppb		-0.06
Spiked Amount 50.000			Recovery = 230.88%				
51) 4-Bromofluorobenzene	12.54	95	469731	117.24	ppb		-0.07
Spiked Amount 50.000			Recovery = 234.48%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	0.98	85	168101	98.83	ppb		100
3) Chloromethane	1.10	50	193094	150.75	ppb		99
4) Vinyl Chloride	1.15	62	163534	134.74	ppb		99
5) Bromomethane	1.34	94	118810	95.68	ppb		100
6) Chloroethane	1.40	64	80891	120.82	ppb		99
7) Trichlorofluoromethane	1.57	101	293445	91.40	ppb		98
8) 1,1-Dichloroethene	1.92	61	231644	102.55	ppb		99
9) Acetone	1.99	43	78812	146.36	ppb	#	75
10) Carbon Disulfide	2.08	76	448034	131.11	ppb		99
11) Methylene Chloride	2.32	49	183794	86.59	ppb		97
12) (trans) 1,2-Dichloroethene	2.56	61	224901	99.22	ppb		100
13) 1,1-Dichloroethane	3.00	63	511820	157.22	ppb		96
14) Vinyl Acetate	3.09	43	180354	71.91	ppb		96
15) 2,2-Dichloropropane	3.69	77	314774	77.52	ppb		99
16) (cis) 1,2-Dichloroethene	3.72	61	461423	137.77	ppb		100
17) 2-Butanone	3.81	43	114757	181.24	ppb	#	84
18) Chloroform	4.24	83	605149	133.08	ppb		98
19) 1,1,1-Trichloroethane	4.43	97	435753	95.36	ppb		99
21) Carbon Tetrachloride	4.68	117	394937	93.63	ppb		99
22) 1,1-Dichloropropene	4.70	75	381675	127.61	ppb		100
23) Benzene	5.02	78	1142802	151.07	ppb		98
24) 1,2-Dichloroethane	5.10	62	366781	94.10	ppb		97
26) Trichloroethene	6.08	130	366013	105.79	ppb		98
27) 1,2-Dichloropropane	6.43	63	284217	111.21	ppb		99
28) Dibromomethane	6.63	174	237492	100.73	ppb		97
29) Bromodichloromethane	6.94	83	432247	86.87	ppb		99
30) 2-Chloroethyl Vinyl Ether	7.52	63	179109	130.80	ppb		98

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\APRIL00\A000417\0417015.D Vial: 15
Acq On : 17 Apr 2000 9:04 pm Operator:
Sample : 100 PPB STD Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 17 21:25 2000 Quant Results File: 0317HIGH.RES

Quant Method : C:\HPCHEM\1\METHODS\0317HIGH.M (RTE Integrator)
Title : 8260 Calibration
Last Update : Fri Apr 07 11:09:46 2000
Response via : Initial Calibration
DataAcq Meth : 0317HIGH

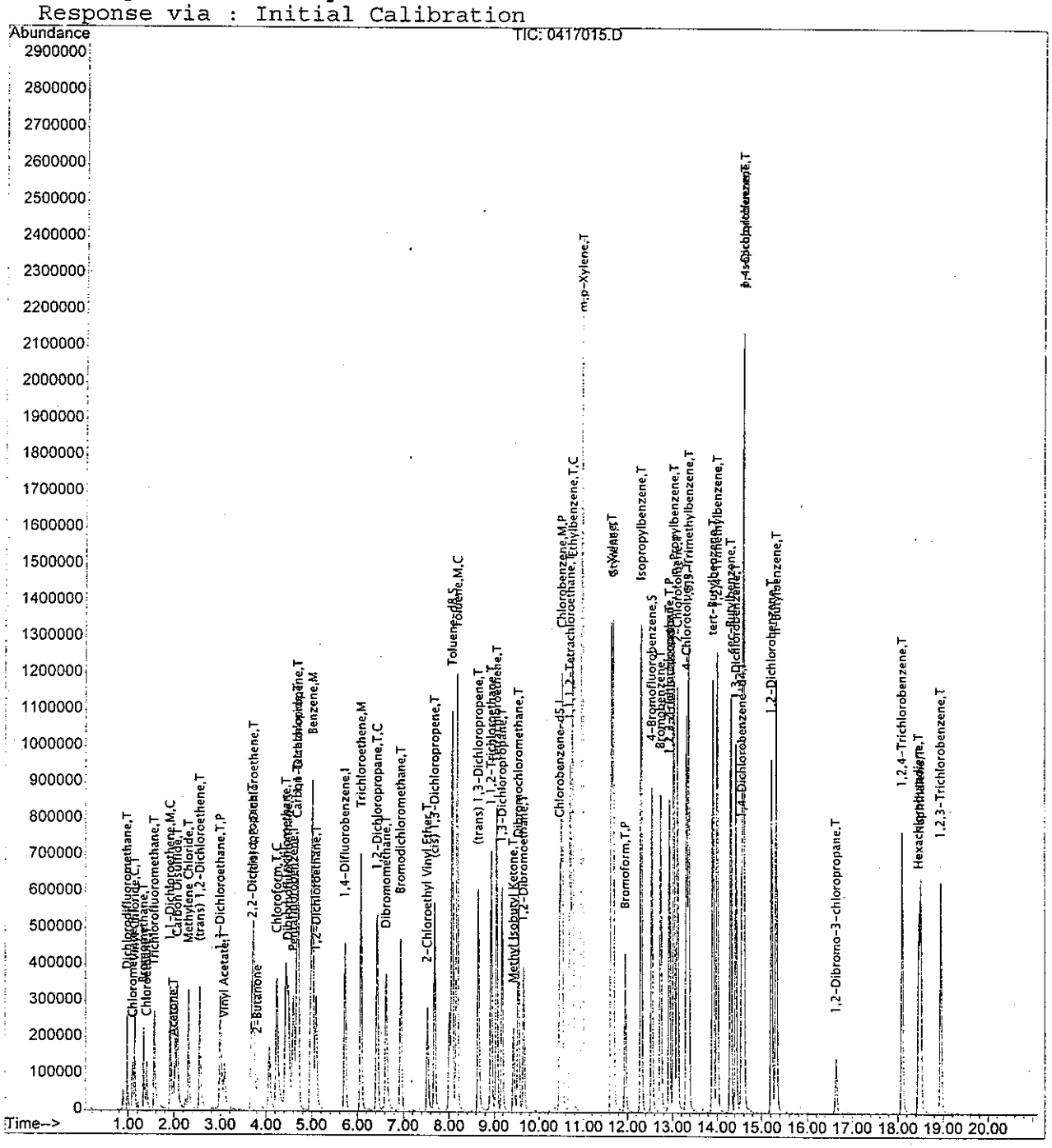
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
31)	(cis) 1,3-Dichloropropene	7.68	75	485826	108.50	ppb		99
33)	Toluene	8.18	91	1293949	116.92	ppb		100
35)	(trans) 1,3-Dichloropropen	8.65	75	491358	93.62	ppb		98
36)	1,1,2-Trichloroethane	8.93	97	327106	109.11	ppb		98
37)	Tetrachloroethene	9.05	166	377772	91.16	ppb		99
38)	1,3-Dichloropropane	9.18	76	531959	109.87	ppb		100
39)	Methyl Isobutyl Ketone	9.43	43	224172	142.73	ppb	#	83
40)	Dibromochloromethane	9.54	129	485491	103.71	ppb		99
41)	1,2-Dibromoethane	9.66	107	405235	122.85	ppb		99
42)	Chlorobenzene	10.52	112	983838	106.15	ppb		99
43)	1,1,1,2-Tetrachloroethane	10.71	133	398627	97.42	ppb		99
44)	Ethylbenzene	10.76	91	1515732	102.00	ppb		100
45)	m,p-Xylene	10.97	91	2241562	193.79	ppb		99
46)	o-Xylene	11.64	91	1180528	97.77	ppb		98
47)	Styrene	11.68	104	1028942	109.70	ppb		100
49)	Bromoform	11.95	173	290550	134.11	ppb		99
50)	Isopropylbenzene	12.31	105	1451020	117.75	ppb		100
52)	Bromobenzene	12.74	156	398059	114.46	ppb		99
53)	1,1,2,2-Tetrachloroethane	12.93	83	334762	131.32	ppb		100
54)	1,2,3-Trichloropropane	12.93	75	266545	134.15	ppb		98
55)	n-Propylbenzene	13.03	91	1646673	125.61	ppb		97
56)	2-Chlorotoluene	13.11	126	344266	116.74	ppb		98
57)	4-Chlorotoluene	13.32	126	338328	119.75	ppb		96
58)	1,3,5-Trimethylbenzene	13.37	105	1101004	109.59	ppb		99
59)	tert-Butylbenzene	13.91	119	922060	103.75	ppb		99
60)	1,2,4-Trimethylbenzene	14.01	105	1105733	107.12	ppb		99
61)	sec-Butylbenzene	14.30	105	1301093	109.77	ppb		95
62)	1,3-Dichlorobenzene	14.42	146	640447	98.45	ppb		98
63)	p-Isopropyltoluene	14.59	119	1078958	97.10	ppb		98
64)	1,4-Dichlorobenzene	14.59	146	634962	97.24	ppb		97
65)	1,2-Dichlorobenzene	15.22	146	615452	101.74	ppb		95
66)	n-Butylbenzene	15.32	91	1001206	105.92	ppb		93
67)	1,2-Dibromo-3-chloropropan	16.64	157	67662	118.08	ppb		99
68)	1,2,4-Trichlorobenzene	18.10	180	384018	89.99	ppb		98
69)	Hexachlorobutadiene	18.46	225	159498	82.62	ppb		99
70)	Naphthalene	18.50	128	774621	101.65	ppb		98
71)	1,2,3-Trichlorobenzene	18.94	180	306642	89.06	ppb		100

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\APRIL00\A000417\0417015.D Vial: 15
Acq On : 17 Apr 2000 9:04 pm Operator:
Sample : 100 PPB STD Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 17 21:25 2000 Quant Results File: 0317HIGH.RES

Method : C:\HPCHEM\1\METHODS\0417HIGH.M (RTE Integrator)
Title : 8260 Calibration
Last Update : Tue Apr 18 11:21:09 2000
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\APRIL00\A000417\0417016.D Vial: 16
Acq On : 17 Apr 2000 9:34 pm Operator:
Sample : 200 PPB STD Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 19 11:24 2000 Quant Results File: 0417HIGH.RES

Quant Method : C:\HPCHEM\1\METHODS\0417HIGH.M (RTE Integrator)
Title : 8260 Calibration
Last Update : Tue Apr 18 11:21:09 2000
Response via : Initial Calibration
DataAcq Meth : 0317HIGH

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.60	168	383840	50.00	ppb	0.00
25) 1,4-Difluorobenzene	5.72	114	690525	50.00	ppb	0.00
34) Chlorobenzene-d5	10.48	117	581629	50.00	ppb	0.00
48) 1,4-Dichlorobenzene-d4	14.55	152	257795	50.00	ppb	0.00
System Monitoring Compounds						
20) Dibromofluoromethane	0.00	111	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
32) Toluene-d8	8.07	98	5845	0.49	ppb	0.00
Spiked Amount 50.000			Recovery =	0.98%		
51) 4-Bromofluorobenzene	0.00	95	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.98	85	359424	191.48	ppb	99
3) Chloromethane	1.11	50	372479	170.33	ppb	99
4) Vinyl Chloride	1.15	62	357600	189.89	ppb	100
5) Bromomethane	1.34	94	178494	109.11	ppb	99
6) Chloroethane	1.40	64	173001	189.60	ppb	97
7) Trichlorofluoromethane	1.57	101	606397	202.20	ppb	100
8) 1,1-Dichloroethene	1.92	61	511462	202.18	ppb	99
9) Acetone	1.99	43	104555	111.78	ppb	99
10) Carbon Disulfide	2.07	76	1025018	202.70	ppb	100
11) Methylene Chloride	2.32	49	413673	176.66	ppb	100
12) (trans) 1,2-Dichloroethene	2.56	61	478710	203.07	ppb	98
13) 1,1-Dichloroethane	3.00	63	923018	180.90	ppb	100
14) Vinyl Acetate	3.09	43	813898	324.69	ppb	99
15) 2,2-Dichloropropane	3.69	77	755452	193.08	ppb	99
16) (cis) 1,2-Dichloroethene	3.72	61	974872	196.83	ppb	99
17) 2-Butanone	3.80	43	227765	154.17	ppb	97
18) Chloroform	4.24	83	1286053	200.07	ppb	99
19) 1,1,1-Trichloroethane	4.43	97	1067298	209.97	ppb	99
21) Carbon Tetrachloride	4.68	117	978827	212.28	ppb	99
22) 1,1-Dichloropropene	4.70	75	916859	205.92	ppb	100
23) Benzene	5.02	78	2664987	201.57	ppb	100
24) 1,2-Dichloroethane	5.09	62	908528	211.85	ppb	98
26) Trichloroethene	6.08	130	841100	202.75	ppb	99
27) 1,2-Dichloropropane	6.43	63	695821	204.31	ppb	99
28) Dibromomethane	6.63	174	544611	197.53	ppb	99
29) Bromodichloromethane	6.94	83	1088417	210.81	ppb	99
30) 2-Chloroethyl Vinyl Ether	7.53	63	452574	249.33	ppb	99

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\APRIL00\A000417\0417016.D Vial: 16
Acq On : 17 Apr 2000 9:34 pm Operator:
Sample : 200 PPB STD Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 19 11:24 2000 Quant Results File: 0417HIGH.RES

Quant Method : C:\HPCHEM\1\METHODS\0417HIGH.M (RTE Integrator)
Title : 8260 Calibration
Last Update : Tue Apr 18 11:21:09 2000
Response via : Initial Calibration
DataAcq Meth : 0317HIGH

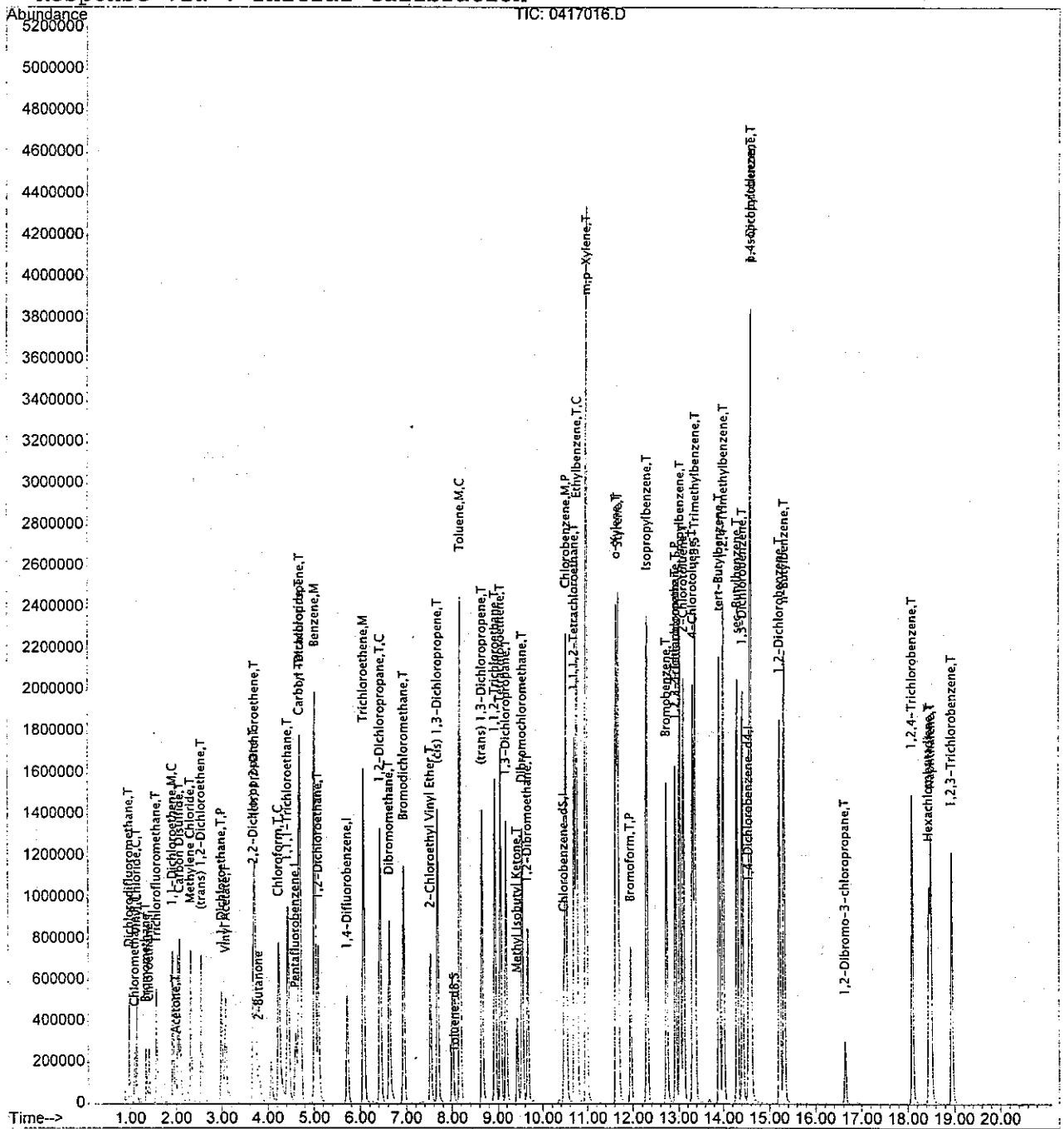
Compound	R.T.	QIon	Response	Conc Unit	Qvalue
31) (cis) 1,3-Dichloropropene	7.68	75	1178884	210.99 ppb	99
33) Toluene	8.18	91	2687239	189.04 ppb	100
35) (trans) 1,3-Dichloropropen	8.65	75	1145194	237.45 ppb	99
36) 1,1,2-Trichloroethane	8.93	97	741728	223.19 ppb	100
37) Tetrachloroethene	9.05	166	770910	207.10 ppb	100
38) 1,3-Dichloropropane	9.18	76	1193322	226.00 ppb	100
39) Methyl Isobutyl Ketone	9.43	43	398433	191.22 ppb	98
40) Dibromochloromethane	9.55	129	1043771	227.10 ppb	100
41) 1,2-Dibromoethane	9.66	107	842863	225.34 ppb	99
42) Chlorobenzene	10.52	112	1880691	197.85 ppb	100
43) 1,1,1,2-Tetrachloroethane	10.70	133	749280	203.48 ppb	100
44) Ethylbenzene	10.76	91	2919983	201.64 ppb	100
45) m,p-Xylene	10.97	91	4099900	375.23 ppb	98
46) o-Xylene	11.64	91	2177933	192.23 ppb	98
47) Styrene	11.68	104	1824672	193.61 ppb	100
49) Bromoform	11.95	173	496512	189.81 ppb	100
50) Isopropylbenzene	12.31	105	2555484	183.09 ppb	100
52) Bromobenzene	12.73	156	708183	187.83 ppb	99
53) 1,1,2,2-Tetrachloroethane	12.93	83	662359	198.95 ppb	99
54) 1,2,3-Trichloropropane	12.93	75	473801	184.43 ppb	98
55) n-Propylbenzene	13.04	91	2918215	190.56 ppb	100
56) 2-Chlorotoluene	13.11	126	611947	185.82 ppb	100
57) 4-Chlorotoluene	13.32	126	608504	192.66 ppb	100
58) 1,3,5-Trimethylbenzene	13.37	105	2042719	192.33 ppb	99
59) tert-Butylbenzene	13.92	119	1690889	189.72 ppb	99
60) 1,2,4-Trimethylbenzene	14.01	105	2090409	193.74 ppb	98
61) sec-Butylbenzene	14.31	105	2447274	191.68 ppb	100
62) 1,3-Dichlorobenzene	14.42	146	1251763	202.85 ppb	100
63) p-Isopropyltoluene	14.60	119	2027958	194.03 ppb	99
64) 1,4-Dichlorobenzene	14.59	146	1187766	185.71 ppb	100
65) 1,2-Dichlorobenzene	15.22	146	1170984	195.81 ppb	100
66) n-Butylbenzene	15.32	91	1918584	208.06 ppb	100
67) 1,2-Dibromo-3-chloropropan	16.65	157	135236	225.67 ppb	99
68) 1,2,4-Trichlorobenzene	18.10	180	749522	224.33 ppb	99
69) Hexachlorobutadiene	18.46	225	304945	173.39 ppb	98
70) Naphthalene	18.50	128	1529694	229.07 ppb	99
71) 1,2,3-Trichlorobenzene	18.95	180	604321	220.57 ppb	98

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\APRIL00\A000417\0417016.D Vial: 16
Acq On : 17 Apr 2000 9:34 pm Operator:
Sample : 200 PPB STD Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 19 11:24 2000 Quant Results File: 0417HIGH.RES

Method : C:\HPCHEM\1\METHODS\0417HIGH.M (RTE Integrator)
Title : 8260 Calibration
Last Update : Tue Apr 18 11:21:09 2000
Response via : Initial Calibration



7A
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: OnSite Environmental Contract: GWCC

Lab Code: OSE Case No.: 32-0039 SAS No.: SDG No.: 04-101

Instrument ID: ALBERT Calibration Date: 04/17/00 Time: 20:34

Lab File ID: 0417014.D Init. Calib. Date(s): 04/17/00 04/17/00

Heated Purge: (Y/N) N Init. Calib. Times: 19:04 21:34

GC Column: DB-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF50	MIN RRF	% D	MAX % D
Dichlorodifluoromethane	0.245	0.250		-2.2	
Chloromethane	0.285	0.243	0.200	14.9	0.0
Vinyl Chloride	0.245	0.239		2.4	
Bromomethane	0.213	0.196		8.3	
Chloroethane	0.119	0.122		-2.5	
Trichlorofluoromethane	0.391	0.400		-2.5	
1,1-Dichloroethene	0.330	0.331		-0.3	
Acetone	0.122	0.087		28.3	
Carbon Disulfide	0.659	0.658		0.1	
Methylene Chloride	0.392	0.283		27.9	
(trans) 1,2-Dichloroethene	0.307	0.316		-3.0	
1,1-Dichloroethane	0.665	0.636	0.300	4.3	0.0
Vinyl Acetate	0.327	0.442		-35.3	
2,2-Dichloropropane	0.510	0.523		-2.6	
(cis) 1,2-Dichloroethene	0.645	0.660		-2.2	
2-Butanone	0.192	0.146		24.0	
Chloroform	0.837	0.836		0.2	
1,1,1-Trichloroethane	0.662	0.721		-8.9	
Carbon Tetrachloride	0.601	0.643		-7.1	
1,1-Dichloropropene	0.580	0.619		-6.7	
Benzene	1.722	1.813		-5.3	
1,2-Dichloroethane	0.559	0.588		-5.2	
Trichloroethene	0.300	0.316		-5.1	
1,2-Dichloropropane	0.247	0.263		-6.5	
Dibromomethane	0.200	0.204		-2.3	
Bromodichloromethane	0.374	0.392		-4.8	
2-Chloroethyl Vinyl Ether	0.131	0.149		-13.0	
(cis) 1,3-Dichloropropene	0.405	0.427		-5.6	
Toluene	1.029	0.980		4.8	
(trans) 1,3-Dichloropropene	0.415	0.478		-15.3	
1,1,2-Trichloroethane	0.286	0.319		-11.8	
Tetrachloroethene	0.320	0.326		-1.8	
1,3-Dichloropropane	0.454	0.505		-11.2	
Methyl Isobutyl Ketone	0.179	0.166		7.5	
Dibromochloromethane	0.395	0.435		-10.1	
1,2-Dibromoethane	0.322	0.358		-11.2	
Chlorobenzene	0.817	0.825	0.300	-1.0	0.0
1,1,1,2-Tetrachloroethane	0.317	0.329		-3.8	
Ethylbenzene	1.245	1.286		-3.3	

All other compounds must meet a minimum RRF of 0.010.

7A
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: OnSite Environmental Contract: GWCC

Lab Code: OSE Case No.: 32-0039 SAS No.: SDG No.: 04-101

Instrument ID: ALBERT Calibration Date: 04/17/00 Time: 20:34

Lab File ID: 0417014.D Init. Calib. Date(s): 04/17/00 04/17/00

Heated Purge: (Y/N) N Init. Calib. Times: 19:04 21:34

GC Column: DB-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF50	MIN RRF	% D	MAX % D
m,p-Xylene	0.939	0.959		-2.1	
o-Xylene	0.974	0.979		-0.5	
Styrene	0.810	0.832		-2.7	
Bromoform	0.507	0.501	0.250	1.2	0.0
Isopropylbenzene	2.707	2.710		-0.1	
Bromobenzene	0.731	0.725		0.8	
1,1,2,2-Tetrachloroethane	0.646	0.650	0.300	-0.7	0.0
1,2,3-Trichloropropane	0.498	0.488		2.1	
n-Propylbenzene	2.970	2.993		-0.8	
2-Chlorotoluene	0.639	0.621		2.9	
4-Chlorotoluene	0.613	0.611		0.3	
1,3,5-Trimethylbenzene	2.060	2.028		1.6	
tert-Butylbenzene	1.729	1.683		2.7	
1,2,4-Trimethylbenzene	2.093	2.056		1.7	
sec-Butylbenzene	2.476	2.394		3.3	
1,3-Dichlorobenzene	1.197	1.216		-1.6	
p-Isopropyltoluene	2.027	2.037		-0.5	
1,4-Dichlorobenzene	1.240	1.232		0.7	
1,2-Dichlorobenzene	1.160	1.182		-1.9	
n-Butylbenzene	1.789	1.882		-5.2	
1,2-Dibromo-3-chloropropane	0.116	0.132		-13.7	
1,2,4-Trichlorobenzene	0.648	0.717		-10.6	
Hexachlorobutadiene	0.341	0.296		13.3	
Naphthalene	1.295	1.465		-13.1	
1,2,3-Trichlorobenzene	0.531	0.584		-10.0	
Dibromofluoromethane	0.538	0.536		0.3	
Toluene-d8	0.726	0.834		-14.7	
4-Bromofluorobenzene	0.880	0.850		3.4	

All other compounds must meet a minimum RRF of 0.010.

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\APRIL00\A000417\0417014.D Vial: 14
Acq On : 17 Apr 2000 8:34 pm Operator:
Sample : 50 PPB STD Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 17 20:55 2000 Quant Results File: 0317HIGH.RES

Quant Method : C:\HPCHEM\1\METHODS\0317HIGH.M (RTE Integrator)
Title : 8260 Calibration
Last Update : Fri Apr 07 11:09:46 2000
Response via : Initial Calibration
DataAcq Meth : 0317HIGH

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Pentafluorobenzene	4.60	168	390056	50.00	ppb		-0.06
25) 1,4-Difluorobenzene	5.72	114	698714	50.00	ppb		-0.06
34) Chlorobenzene-d5	10.47	117	599967	50.00	ppb		-0.06
48) 1,4-Dichlorobenzene-d4	14.55	152	258151	50.00	ppb		-0.07
System Monitoring Compounds							
20) Dibromofluoromethane	4.48	111	209153	63.10	ppb		-0.06
Spiked Amount 50.000			Recovery = 126.20%				
32) Toluene-d8	8.07	98	582437	53.36	ppb		-0.06
Spiked Amount 50.000			Recovery = 106.72%				
51) 4-Bromofluorobenzene	12.54	95	219382	53.93	ppb		-0.07
Spiked Amount 50.000			Recovery = 107.86%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	0.98	85	97452	49.71	ppb		99
3) Chloromethane	1.10	50	94591	64.07	ppb		99
4) Vinyl Chloride	1.14	62	93352	66.74	ppb		100
5) Bromomethane	1.34	94	76253	53.28	ppb		99
6) Chloroethane	1.40	64	47502	61.56	ppb		99
7) Trichlorofluoromethane	1.57	101	156142	42.20	ppb		98
8) 1,1-Dichloroethene	1.92	61	128957	49.53	ppb		99
9) Acetone	1.99	43	34047	54.86	ppb	#	77
10) Carbon Disulfide	2.08	76	256758	65.19	ppb		99
11) Methylene Chloride	2.32	49	110323	45.10	ppb		97
12) (trans) 1,2-Dichloroethene	2.56	61	123360	47.22	ppb		100
13) 1,1-Dichloroethane	2.99	63	248068	66.12	ppb		96
14) Vinyl Acetate	3.09	43	172295	59.61	ppb		97
15) 2,2-Dichloropropane	3.69	77	203992	43.59	ppb		99
16) (cis) 1,2-Dichloroethene	3.73	61	257290	66.65	ppb		100
17) 2-Butanone	3.82	43	57064	78.19	ppb	#	91
18) Chloroform	4.24	83	325992	62.20	ppb		99
19) 1,1,1-Trichloroethane	4.44	97	281134	53.38	ppb		98
21) Carbon Tetrachloride	4.68	117	250913	51.61	ppb		99
22) 1,1-Dichloropropene	4.70	75	241278	69.99	ppb		100
23) Benzene	5.02	78	707131	81.11	ppb		98
24) 1,2-Dichloroethane	5.10	62	229293	51.04	ppb		97
26) Trichloroethene	6.08	130	220614	54.90	ppb		97
27) 1,2-Dichloropropane	6.44	63	183570	61.84	ppb		99
28) Dibromomethane	6.63	174	142712	52.12	ppb		96
29) Bromodichloromethane	6.94	83	273835	47.38	ppb		98
30) 2-Chloroethyl Vinyl Ether	7.52	63	103740	65.22	ppb		97

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\APRIL00\A000417\0417014.D Vial: 14
Acq On : 17 Apr 2000 8:34 pm Operator:
Sample : 50 PPB STD Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 17 20:55 2000 Quant Results File: 0317HIGH.RES

Quant Method : C:\HPCHEM\1\METHODS\0317HIGH.M (RTE Integrator)
Title : 8260 Calibration
Last Update : Fri Apr 07 11:09:46 2000
Response via : Initial Calibration
DataAcq Meth : 0317HIGH

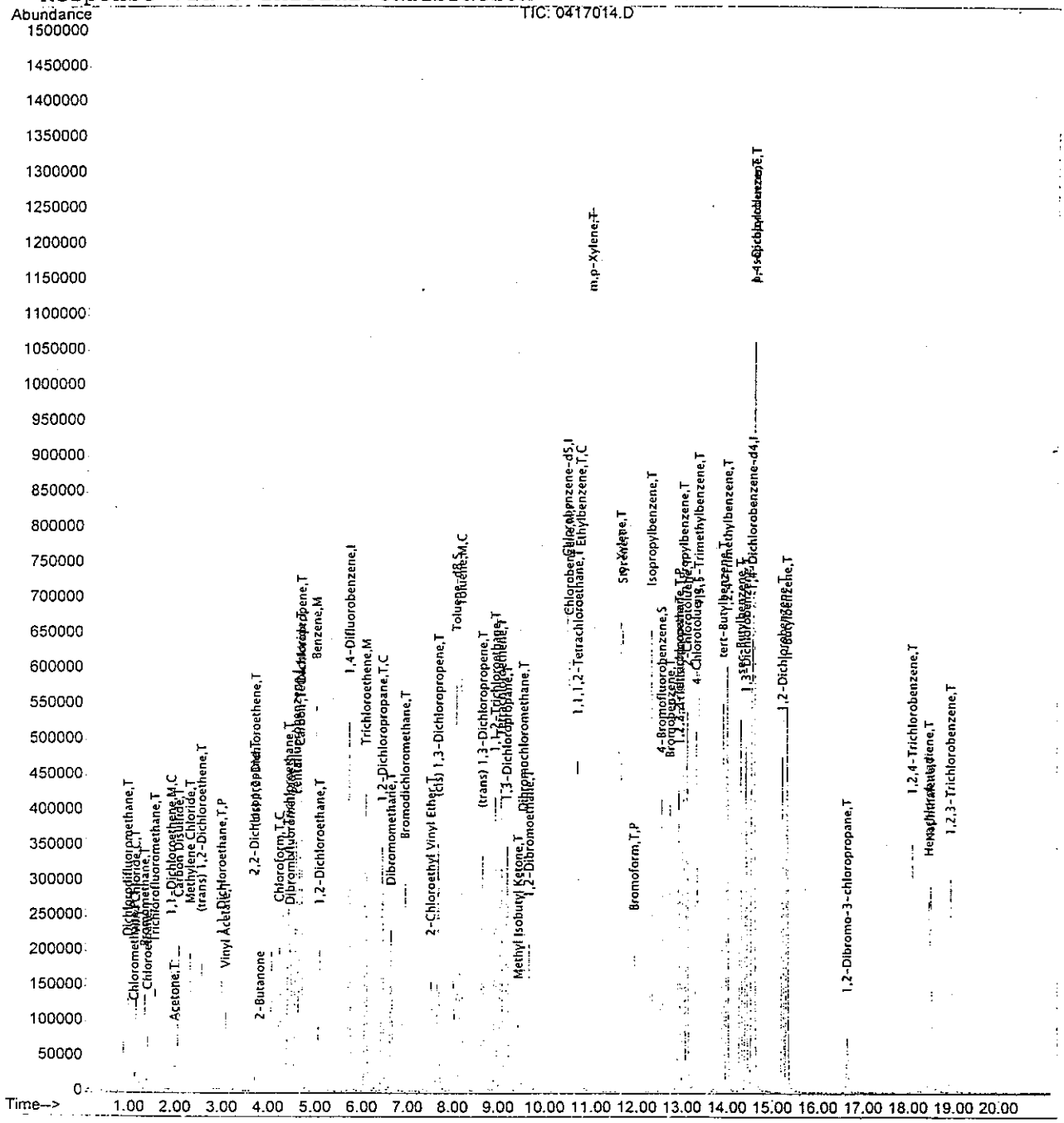
	Compound	R.T.	QIon	Response	Conc Unit		Qvalue
31)	(cis) 1,3-Dichloropropene	7.68	75	298567	57.41 ppb		100
33)	Toluene	8.18	91	684790	53.27 ppb		100
35)	(trans) 1,3-Dichloropropen	8.65	75	286846	52.81 ppb		100
36)	1,1,2-Trichloroethane	8.93	97	191619	61.76 ppb		97
37)	Tetrachloroethene	9.06	166	195459	45.58 ppb		99
38)	1,3-Dichloropropane	9.18	76	302948	60.46 ppb		99
39)	Methyl Isobutyl Ketone	9.43	43	99390	61.15 ppb	#	84
40)	Dibromochloromethane	9.54	129	261028	53.88 ppb		99
41)	1,2-Dibromoethane	9.66	107	214571	62.85 ppb		98
42)	Chlorobenzene	10.52	112	495010	51.60 ppb		99
43)	1,1,1,2-Tetrachloroethane	10.71	133	197239	46.58 ppb		99
44)	Ethylbenzene	10.76	91	771368	50.16 ppb		100
45)	m,p-Xylene	10.97	91	1150430	96.11 ppb		98
46)	o-Xylene	11.64	91	587053	46.98 ppb		97
47)	Styrene	11.68	104	499133	51.42 ppb		100
49)	Bromoform	11.95	173	129388	58.82 ppb		99
50)	Isopropylbenzene	12.31	105	699685	55.92 ppb		99
52)	Bromobenzene	12.74	156	187261	53.03 ppb		97
53)	1,1,2,2-Tetrachloroethane	12.93	83	167911	64.87 ppb		99
54)	1,2,3-Trichloropropane	12.93	75	125983	62.45 ppb		99
55)	n-Propylbenzene	13.03	91	772653	58.05 ppb		97
56)	2-Chlorotoluene	13.11	126	160186	53.50 ppb		98
57)	4-Chlorotoluene	13.32	126	157732	54.98 ppb		96
58)	1,3,5-Trimethylbenzene	13.37	105	523514	51.32 ppb		98
59)	tert-Butylbenzene	13.92	119	434381	48.13 ppb		100
60)	1,2,4-Trimethylbenzene	14.01	105	530851	50.65 ppb		98
61)	sec-Butylbenzene	14.30	105	618073	51.36 ppb		95
62)	1,3-Dichlorobenzene	14.42	146	313849	47.52 ppb		97
63)	p-Isopropyltoluene	14.60	119	525731	46.59 ppb		98
64)	1,4-Dichlorobenzene	14.59	146	318131	47.98 ppb		96
65)	1,2-Dichlorobenzene	15.22	146	305116	49.67 ppb		96
66)	n-Butylbenzene	15.32	91	485898	50.63 ppb		92
67)	1,2-Dibromo-3-chloropropan	16.65	157	34097	58.60 ppb		99
68)	1,2,4-Trichlorobenzene	18.10	180	185005	42.70 ppb		98
69)	Hexachlorobutadiene	18.46	225	76309	38.93 ppb		100
70)	Naphthalene	18.50	128	378135	48.87 ppb		98
71)	1,2,3-Trichlorobenzene	18.94	180	150839	43.14 ppb		98

(#) = qualifier out of range (m) = manual integration
0417014.D 0417HIGH.M Fri May 12 10:32:38 2000 Page 136

Quantitation Report

Data File : C:\HPCHEM\1\APRIL00\A000417\0417014.D Vial: 14
Acq On : 17 Apr 2000 8:34 pm Operator:
Sample : 50 PPB STD Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 17 20:55 2000 Quant Results File: 0317HIGH.RES

Method : C:\HPCHEM\1\METHODS\0417HIGH.M (RTE Integrator)
Title : 8260 Calibration
Last Update : Tue Apr 18 11:21:09 2000
Response via : Initial Calibration



7A
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: OnSite Environmental Contract: GWCC

Lab Code: OSE Case No.: 32-0039 SAS No.: SDG No.: 04-101

Instrument ID: ALBERT Calibration Date: 04/19/00 Time: 11:43

Lab File ID: 0418002.D Init. Calib. Date(s): 04/17/00 04/17/00

Heated Purge: (Y/N) N Init. Calib. Times: 19:04 21:34

GC Column: DB-624 ID: 0.25 (mm)

COMPOUND	$\overline{RRF}$	RRF50	MIN RRF	% D	MAX % D
Dichlorodifluoromethane	0.245	0.083		66.0	
Chloromethane	0.285	0.211	0.200	26.0	0.0
Vinyl Chloride	0.245	0.209		14.7	
Bromomethane	0.213	0.129		39.7	
Chloroethane	0.119	0.125		-5.2	
Trichlorofluoromethane	0.391	0.373		4.6	
1,1-Dichloroethene	0.330	0.326		1.0	
Acetone	0.122	0.078		35.8	
Carbon Disulfide	0.659	0.569		13.6	
Methylene Chloride	0.392	0.290		26.1	
(trans) 1,2-Dichloroethene	0.307	0.549		-78.9	
1,1-Dichloroethane	0.665	0.700	0.300	-5.3	0.0
Vinyl Acetate	0.327	0.000		99.9	
2,2-Dichloropropane	0.510				
(cis) 1,2-Dichloroethene	0.645	0.588		8.9	
2-Butanone	0.192	0.097		49.5	
Chloroform	0.837	0.851		-1.6	
1,1,1-Trichloroethane	0.662	0.717		-8.2	
Carbon Tetrachloride	0.601	0.611		-1.7	
1,1-Dichloropropene	0.580	0.590		-1.7	
Benzene	1.722	1.713		0.5	
1,2-Dichloroethane	0.559	0.579		-3.6	
Trichloroethene	0.300	0.299		0.4	
1,2-Dichloropropane	0.247	0.255		-3.3	
Dibromomethane	0.200	0.184		8.0	
Bromodichloromethane	0.374	0.383		-2.5	
2-Chloroethyl Vinyl Ether	0.131	0.073		44.6	
(cis) 1,3-Dichloropropene	0.405	0.087		78.4	
Toluene	1.029	0.954		7.4	
(trans) 1,3-Dichloropropene	0.415	0.089		78.7	
1,1,2-Trichloroethane	0.286	0.290		-1.4	
Tetrachloroethene	0.320	0.297		7.1	
1,3-Dichloropropane	0.454	0.455		-0.2	
Methyl Isobutyl Ketone	0.179	0.121		32.5	
Dibromochloromethane	0.395	0.377		4.7	
1,2-Dibromoethane	0.322	0.308		4.2	
Chlorobenzene	0.817	0.818	0.300	-0.1	0.0
1,1,1,2-Tetrachloroethane	0.317	0.312		1.4	
Ethylbenzene	1.245	1.299		-4.3	

All other compounds must meet a minimum RRF of 0.010.

7A
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: OnSite Environmental Contract: GWCC

Lab Code: OSE Case No.: 32-0039 SAS No.: SDG No.: 04-101

Instrument ID: ALBERT Calibration Date: 04/19/00 Time: 11:43

Lab File ID: 0418002.D Init. Calib. Date(s): 04/17/00 04/17/00

Heated Purge: (Y/N) N Init. Calib. Times: 19:04 21:34

GC Column: DB-624 ID: 0.25 (mm)

COMPOUND	$\overline{RRF}$	RRF50	MIN RRF	% D	MAX % D
m,p-Xylene	0.939	0.949		-1.0	
o-Xylene	0.974	0.993		-1.9	
Styrene	0.810	0.740		8.6	
Bromoform	0.507	0.457	0.250	10.0	0.0
Isopropylbenzene	2.707	2.838		-4.8	
Bromobenzene	0.731	0.740		-1.2	
1,1,2,2-Tetrachloroethane	0.646	0.604	0.300	6.5	0.0
1,2,3-Trichloropropane	0.498	0.447		10.2	
n-Propylbenzene	2.970	3.052		-2.8	
2-Chlorotoluene	0.639	0.650		-1.8	
4-Chlorotoluene	0.613	0.634		-3.5	
1,3,5-Trimethylbenzene	2.060	2.178		-5.7	
tert-Butylbenzene	1.729	1.795		-3.9	
1,2,4-Trimethylbenzene	2.093	2.168		-3.6	
sec-Butylbenzene	2.476	2.390		3.5	
1,3-Dichlorobenzene	1.197	1.227		-2.5	
p-Isopropyltoluene	2.027	2.039		-0.6	
1,4-Dichlorobenzene	1.240	1.199		3.3	
1,2-Dichlorobenzene	1.160	1.170		-0.9	
n-Butylbenzene	1.789	1.703		4.8	
1,2-Dibromo-3-chloropropane	0.116	0.097		16.9	
1,2,4-Trichlorobenzene	0.648	0.554		14.5	
Hexachlorobutadiene	0.341	0.234		31.3	
Naphthalene	1.295	0.894		31.0	
1,2,3-Trichlorobenzene	0.531	0.392		26.2	
Dibromofluoromethane	0.538				
Toluene-d8	0.726	0.001		99.9	
4-Bromofluorobenzene	0.880				

All other compounds must meet a minimum RRF of 0.010.

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\APRIL00\A000419\0418002.D Vial: 2
Acq On : 19 Apr 2000 11:43 am Operator:
Sample : CC0419V1 Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 19 12:05 2000 Quant Results File: 0417HIGH.RES

Quant Method : C:\HPCHEM\1\METHODS\0417HIGH.M (RTE Integrator)
Title : 8260 Calibration
Last Update : Tue Apr 18 11:21:09 2000
Response via : Initial Calibration
DataAcq Meth : 0417HIGH

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.57	168	397891	50.00	ppb	-0.02
25) 1,4-Difluorobenzene	5.69	114	688310	50.00	ppb	-0.03
34) Chlorobenzene-d5	10.45	117	566288	50.00	ppb	-0.02
48) 1,4-Dichlorobenzene-d4	14.53	152	227133	50.00	ppb	-0.02
System Monitoring Compounds						
20) Dibromofluoromethane	0.00	111	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
32) Toluene-d8	8.04	98	633	0.05	ppb	-0.03
Spiked Amount 50.000			Recovery =	0.10%		
51) 4-Bromofluorobenzene	0.00	95	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.98	85	33078	17.00	ppb	98
3) Chloromethane	1.09	50	83886	37.01	ppb	99
4) Vinyl Chloride	1.14	62	83244	42.64	ppb	99
5) Bromomethane	1.34	94	51122	30.15	ppb	98
6) Chloroethane	1.40	64	49740	52.59	ppb	97
7) Trichlorofluoromethane	1.56	101	148235	47.68	ppb	98
8) 1,1-Dichloroethene	1.91	61	129802	49.50	ppb	99
9) Acetone	1.98	43	31112	32.09	ppb	100
10) Carbon Disulfide	2.06	76	226444	43.20	ppb	100
11) Methylene Chloride	2.30	49	115356	47.52	ppb	99
12) (trans) 1,2-Dichloroethene	2.54	61	218607	89.46	ppb	98
13) 1,1-Dichloroethane	2.98	63	278447	52.64	ppb	100
16) (cis) 1,2-Dichloroethene	3.70	61	233832	45.55	ppb	99
17) 2-Butanone	3.80	43	38616	25.22	ppb	92
18) Chloroform	4.21	83	338578	50.81	ppb	99
19) 1,1,1-Trichloroethane	4.41	97	285135	54.12	ppb	99
21) Carbon Tetrachloride	4.65	117	243034	50.85	ppb	100
22) 1,1-Dichloropropene	4.68	75	234704	50.85	ppb	99
23) Benzene	4.99	78	681543	49.73	ppb	99
24) 1,2-Dichloroethane	5.07	62	230263	51.80	ppb	97
26) Trichloroethene	6.05	130	205868	49.78	ppb	99
27) 1,2-Dichloropropane	6.41	63	175321	51.64	ppb	99
28) Dibromomethane	6.60	174	126466	46.02	ppb	98
29) Bromodichloromethane	6.91	83	263783	51.26	ppb	99
30) 2-Chloroethyl Vinyl Ether	7.51	63	50140	27.71	ppb	99
31) (cis) 1,3-Dichloropropene	7.66	75	59996	10.77	ppb	99
33) Toluene	8.15	91	656320	46.32	ppb	99

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\APRIL00\A000419\0418002.D Vial: 2
Acq On : 19 Apr 2000 11:43 am Operator:
Sample : CC0419V1 Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 19 12:05 2000 Quant Results File: 0417HIGH.RES

Quant Method : C:\HPCHEM\1\METHODS\0417HIGH.M (RTE Integrator)
Title : 8260 Calibration
Last Update : Tue Apr 18 11:21:09 2000
Response via : Initial Calibration
DataAcq Meth : 0417HIGH

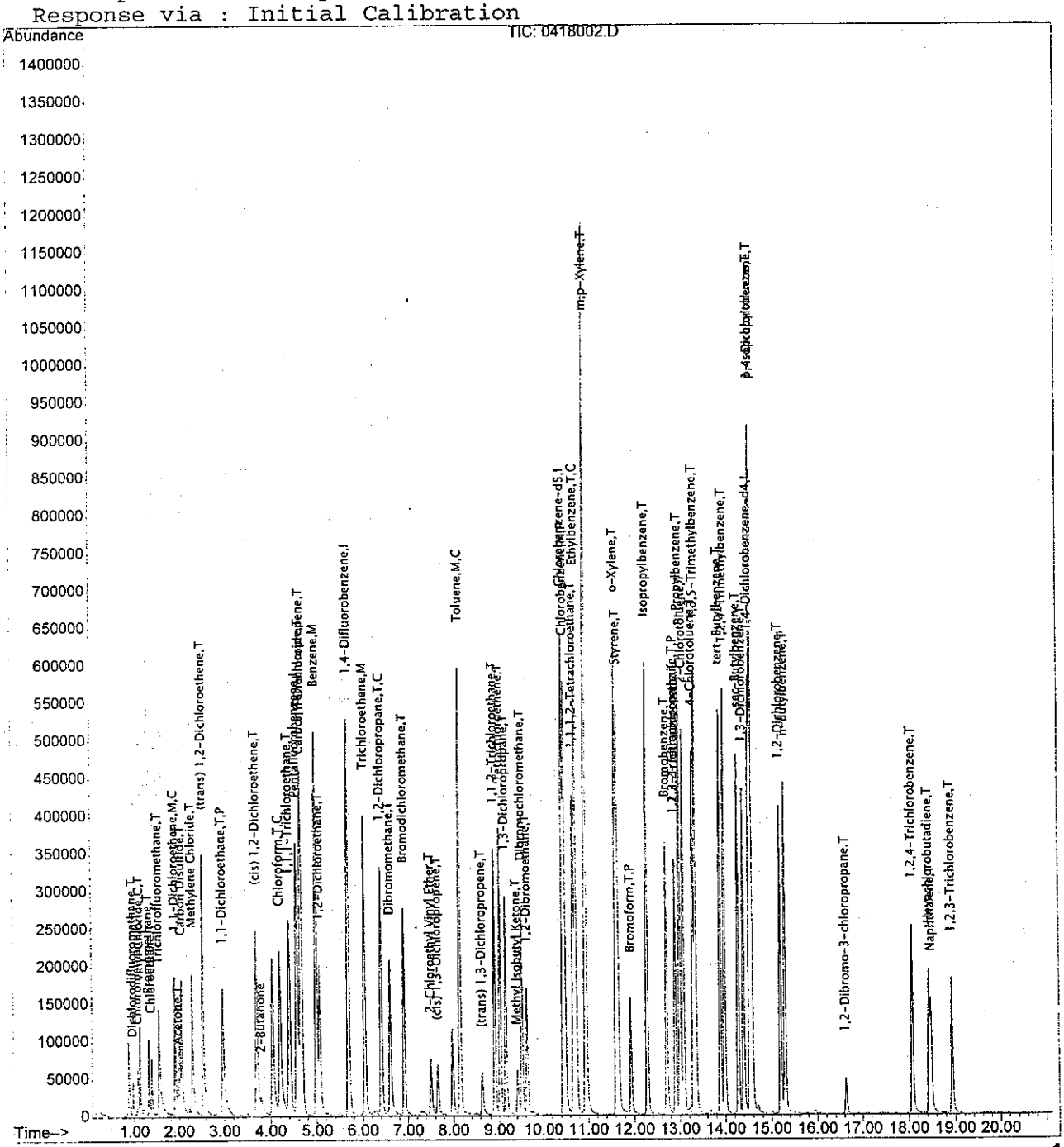
Compound	R.T.	QIon	Response	Conc Unit	Qvalue
35) (trans) 1,3-Dichloropropen	8.63	75	50132	10.68 ppb	99
36) 1,1,2-Trichloroethane	8.91	97	163996	50.68 ppb	99
37) Tetrachloroethene	9.03	166	168343	46.45 ppb	100
38) 1,3-Dichloropropane	9.16	76	257488	50.09 ppb	98
39) Methyl Isobutyl Ketone	9.41	43	68494	33.76 ppb	97
40) Dibromochloromethane	9.52	129	213193	47.64 ppb	99
41) 1,2-Dibromoethane	9.64	107	174335	47.87 ppb	97
42) Chlorobenzene	10.50	112	463393	50.07 ppb	100
43) 1,1,1,2-Tetrachloroethane	10.68	133	176657	49.28 ppb	99
44) Ethylbenzene	10.73	91	735489	52.17 ppb	100
45) m,p-Xylene	10.95	91	1074959	101.05 ppb	99
46) o-Xylene	11.61	91	562081	50.95 ppb	99
47) Styrene	11.66	104	419294	45.70 ppb	100
49) Bromoform	11.93	173	103693	44.99 ppb	99
50) Isopropylbenzene	12.29	105	644611	52.42 ppb	100
52) Bromobenzene	12.71	156	168059	50.59 ppb	96
53) 1,1,2,2-Tetrachloroethane	12.91	83	137138	46.75 ppb	99
54) 1,2,3-Trichloropropane	12.91	75	101590	44.88 ppb	96
55) n-Propylbenzene	13.01	91	693265	51.38 ppb	100
56) 2-Chlorotoluene	13.09	126	147714	50.91 ppb	100
57) 4-Chlorotoluene	13.30	126	144017	51.75 ppb	99
58) 1,3,5-Trimethylbenzene	13.35	105	494603	52.85 ppb	100
59) tert-Butylbenzene	13.89	119	407763	51.93 ppb	99
60) 1,2,4-Trimethylbenzene	13.99	105	492515	51.81 ppb	99
61) sec-Butylbenzene	14.28	105	542726	48.25 ppb	100
62) 1,3-Dichlorobenzene	14.40	146	278633	51.25 ppb	99
63) p-Isopropyltoluene	14.58	119	463210	50.30 ppb	98
64) 1,4-Dichlorobenzene	14.57	146	272361	48.33 ppb	99
65) 1,2-Dichlorobenzene	15.20	146	265743	50.44 ppb	97
66) n-Butylbenzene	15.30	91	386893	47.62 ppb	99
67) 1,2-Dibromo-3-chloropropan	16.62	157	21936	41.55 ppb	99
68) 1,2,4-Trichlorobenzene	18.08	180	125867	42.76 ppb	98
69) Hexachlorobutadiene	18.44	225	53194	34.33 ppb	97
70) Naphthalene	18.49	128	202995	34.50 ppb	100
71) 1,2,3-Trichlorobenzene	18.92	180	89122	36.92 ppb	96

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\APRIL00\A000419\0418002.D Vial: 2
Acq On : 19 Apr 2000 11:43 am Operator:
Sample : CC0419V1 Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 19 12:05 2000 Quant Results File: 0417HIGH.RES

Method : C:\HPCHEM\1\METHODS\0417HIGH.M (RTE Integrator)
Title : 8260 Calibration
Last Update : Tue Apr 18 11:21:09 2000
Response via : Initial Calibration



7A
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: OnSite Environmental Contract: GWCC

Lab Code: OSE Case No.: 32-0039 SAS No.: SDG No.: 04-101

Instrument ID: ALBERT Calibration Date: 04/24/00 Time: 12:52

Lab File ID: 0418002.D Init. Calib. Date(s): 04/17/00 04/17/00

Heated Purge: (Y/N) N Init. Calib. Times: 19:04 21:34

GC Column: DB-624 ID: 0.25 (mm)

COMPOUND	$\overline{RRF}$	RRF50	MIN RRF	% D	MAX % D
Dichlorodifluoromethane	0.245	0.039		83.9	
Chloromethane	0.285	0.200	0.200	29.7	0.0
Vinyl Chloride	0.245	0.186		24.4	
Bromomethane	0.213	0.200		6.0	
Chloroethane	0.119	0.131		-10.0	
Trichlorofluoromethane	0.391	0.327		16.3	
1,1-Dichloroethene	0.330	0.320		3.0	
Acetone	0.122	0.120		1.2	
Carbon Disulfide	0.659	0.614		6.8	
Methylene Chloride	0.392	0.301		23.2	
(trans) 1,2-Dichloroethene	0.307	0.491		-59.7	
1,1-Dichloroethane	0.665	0.723	0.300	-8.8	0.0
Vinyl Acetate	0.327	0.482		-47.6	
2,2-Dichloropropane	0.510	0.619		-21.4	
(cis) 1,2-Dichloroethene	0.645	0.678		-5.1	
2-Butanone	0.192	0.145		24.7	
Chloroform	0.837	0.837		0.0	
1,1,1-Trichloroethane	0.662	0.668		-0.9	
Carbon Tetrachloride	0.601	0.560		6.8	
1,1-Dichloropropene	0.580	0.548		5.5	
Benzene	1.722	1.590		7.7	
1,2-Dichloroethane	0.559	0.535		4.3	
Trichloroethene	0.300	0.296		1.6	
1,2-Dichloropropane	0.247	0.260		-5.2	
Dibromomethane	0.200	0.187		6.2	
Bromodichloromethane	0.374	0.374		0.0	
2-Chloroethyl Vinyl Ether	0.131	0.115		12.4	
(cis) 1,3-Dichloropropene	0.405	0.412		-1.7	
Toluene	1.029	1.091		-6.0	
(trans) 1,3-Dichloropropene	0.415	0.409		1.5	
1,1,2-Trichloroethane	0.286	0.257		10.0	
Tetrachloroethene	0.320	0.319		0.4	
1,3-Dichloropropane	0.454	0.420		7.4	
Methyl Isobutyl Ketone	0.179	0.171		4.7	
Dibromochloromethane	0.395	0.338		14.4	
1,2-Dibromoethane	0.322	0.291		9.6	
Chlorobenzene	0.817	0.855	0.300	-4.6	0.0
1,1,1,2-Tetrachloroethane	0.317	0.298		5.7	
Ethylbenzene	1.245	1.372		-10.2	

All other compounds must meet a minimum RRF of 0.010.

7A
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: OnSite Environmental Contract: GWCC

Lab Code: OSE Case No.: 32-0039 SAS No.: SDG No.: 04-101

Instrument ID: ALBERT Calibration Date: 04/24/00 Time: 12:52

Lab File ID: 0418002.D Init. Calib. Date(s): 04/17/00 04/17/00

Heated Purge: (Y/N) N Init. Calib. Times: 19:04 21:34

GC Column: DB-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF50	MIN RRF	% D	MAX % D
m,p-Xylene	0.939	1.063		-13.1	
o-Xylene	0.974	1.100		-12.9	
Styrene	0.810	0.935		-15.4	
Bromoform	0.507	0.441	0.250	13.2	0.0
Isopropylbenzene	2.707	2.701		0.2	
Bromobenzene	0.731	0.764		-4.5	
1,1,2,2-Tetrachloroethane	0.646	0.677	0.300	-4.9	0.0
1,2,3-Trichloropropane	0.498	0.478		4.1	
n-Propylbenzene	2.970	3.306		-11.3	
2-Chlorotoluene	0.639	0.687		-7.6	
4-Chlorotoluene	0.613	0.686		-12.0	
1,3,5-Trimethylbenzene	2.060	2.295		-11.4	
tert-Butylbenzene	1.729	1.892		-9.5	
1,2,4-Trimethylbenzene	2.093	2.360		-12.8	
sec-Butylbenzene	2.476	2.765		-11.6	
1,3-Dichlorobenzene	1.197	1.334		-11.4	
p-Isopropyltoluene	2.027	2.367		-16.8	
1,4-Dichlorobenzene	1.240	1.321		-6.5	
1,2-Dichlorobenzene	1.160	1.198		-3.3	
n-Butylbenzene	1.789	2.205		-23.3	
1,2-Dibromo-3-chloropropane	0.116	0.099		14.9	
1,2,4-Trichlorobenzene	0.648	0.675		-4.2	
Hexachlorobutadiene	0.341	0.313		8.1	
Naphthalene	1.295	1.178		9.0	
1,2,3-Trichlorobenzene	0.531	0.504		5.1	
Dibromofluoromethane	0.538	0.002		99.7	
Toluene-d8	0.726	0.001		99.9	
4-Bromofluorobenzene	0.880				

All other compounds must meet a minimum RRF of 0.010.

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\APRIL00\A000424\0418002.D Vial: 2
Acq On : 24 Apr 2000 12:52 pm Operator:
Sample : CC0424V1 Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 24 13:13 2000 Quant Results File: 0417HIGH.RES

Quant Method : C:\HPCHEM\1\METHODS\0417HIGH.M (RTE Integrator)
Title : 8260 Calibration
Last Update : Tue Apr 18 11:21:09 2000
Response via : Initial Calibration
DataAcq Meth : 0417HIGH

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.57	168	333767	50.00	ppb	-0.02
25) 1,4-Difluorobenzene	5.69	114	534761	50.00	ppb	-0.03
34) Chlorobenzene-d5	10.45	117	473296	50.00	ppb	-0.02
48) 1,4-Dichlorobenzene-d4	14.53	152	227865	50.00	ppb	-0.02
System Monitoring Compounds						
20) Dibromofluoromethane	4.56	111	523	0.15	ppb	0.08
Spiked Amount 50.000			Recovery =	0.30%		
32) Toluene-d8	8.05	98	390	0.04	ppb	-0.02
Spiked Amount 50.000			Recovery =	0.08%		
51) 4-Bromofluorobenzene	0.00	95	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.98	85	13105	8.03	ppb	99
3) Chloromethane	1.10	50	66828	35.14	ppb	100
4) Vinyl Chloride	1.14	62	61901	37.80	ppb	99
5) Bromomethane	1.34	94	66886	47.02	ppb	97
6) Chloroethane	1.40	64	43658	55.03	ppb	94
7) Trichlorofluoromethane	1.57	101	109129	41.85	ppb	97
8) 1,1-Dichloroethene	1.91	61	106708	48.51	ppb	99
9) Acetone	1.98	43	40201	49.43	ppb	97
10) Carbon Disulfide	2.06	76	204849	46.59	ppb	100
11) Methylene Chloride	2.30	49	100453	49.33	ppb	99
12) (trans) 1,2-Dichloroethene	2.54	61	163725	79.87	ppb	98
13) 1,1-Dichloroethane	2.98	63	241315	54.39	ppb	99
14) Vinyl Acetate	3.07	43	160867	73.80	ppb	99
15) 2,2-Dichloropropane	3.67	77	206472	60.69	ppb	100
16) (cis) 1,2-Dichloroethene	3.70	61	226240	52.53	ppb	100
17) 2-Butanone	3.79	43	48322	37.62	ppb	94
18) Chloroform	4.21	83	279404	49.99	ppb	99
19) 1,1,1-Trichloroethane	4.41	97	222881	50.43	ppb	99
21) Carbon Tetrachloride	4.65	117	186877	46.61	ppb	98
22) 1,1-Dichloropropene	4.68	75	182875	47.23	ppb	100
23) Benzene	4.99	78	530700	46.16	ppb	99
24) 1,2-Dichloroethane	5.07	62	178385	47.84	ppb	98
26) Trichloroethene	6.05	130	158075	49.20	ppb	99
27) 1,2-Dichloropropane	6.41	63	138774	52.62	ppb	99
28) Dibromomethane	6.60	174	100086	46.87	ppb	98
29) Bromodichloromethane	6.92	83	200010	50.02	ppb	99
30) 2-Chloroethyl Vinyl Ether	7.50	63	61526	43.77	ppb	98

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\APRIL00\A000424\0418002.D Vial: 2
Acq On : 24 Apr 2000 12:52 pm Operator:
Sample : CC0424V1 Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 24 13:13 2000 Quant Results File: 0417HIGH.RES

Quant Method : C:\HPCHEM\1\METHODS\0417HIGH.M (RTE Integrator)
Title : 8260 Calibration
Last Update : Tue Apr 18 11:21:09 2000
Response via : Initial Calibration
DataAcq Meth : 0417HIGH

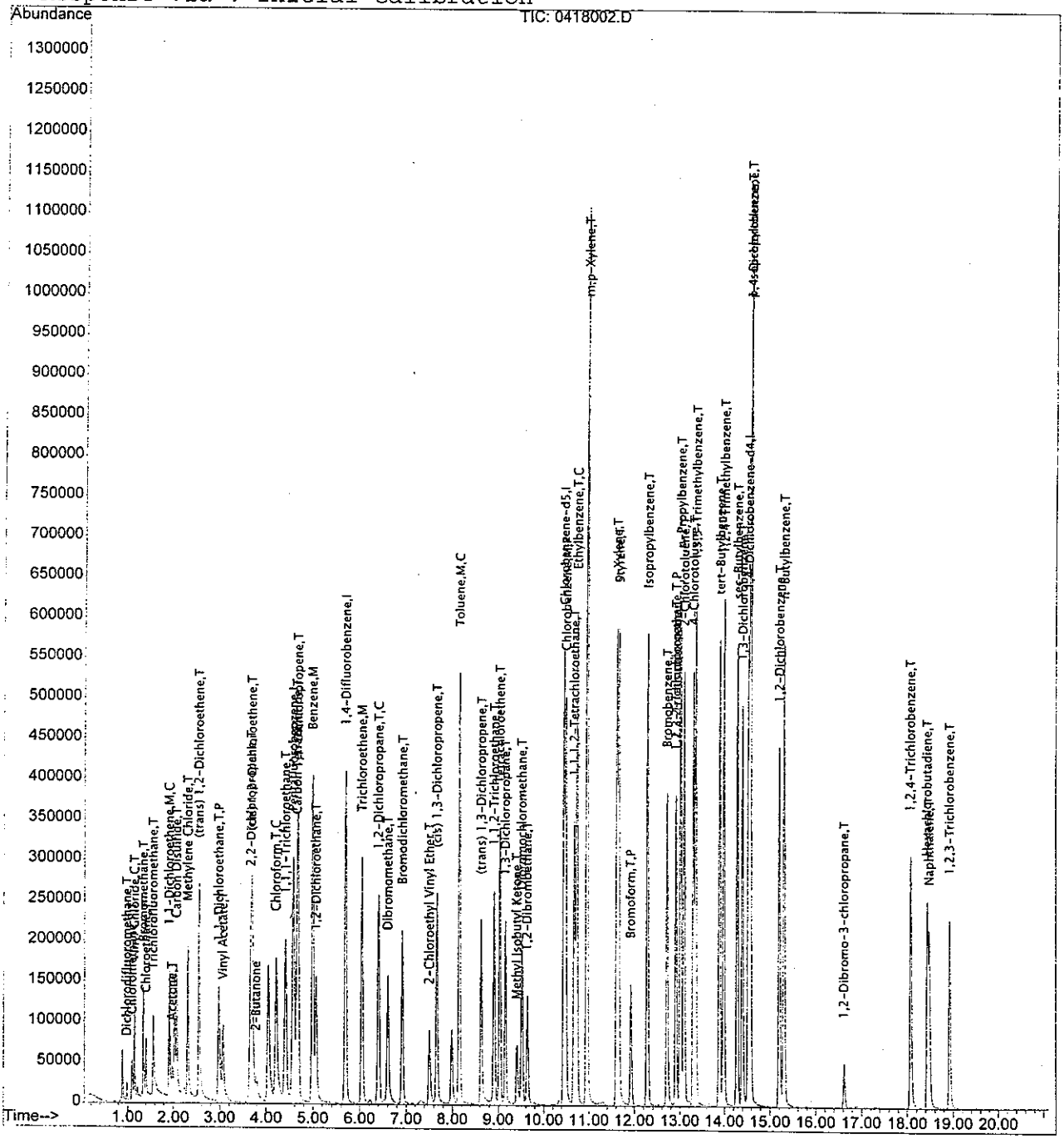
Compound	R.T.	QIon	Response	Conc Unit	Qvalue
31) (cis) 1,3-Dichloropropene	7.66	75	220048	50.86 ppb	98
33) Toluene	8.15	91	583376	52.99 ppb	100
35) (trans) 1,3-Dichloropropen	8.63	75	193352	49.27 ppb	100
36) 1,1,2-Trichloroethane	8.91	97	121685	45.00 ppb	99
37) Tetrachloroethene	9.03	166	150887	49.81 ppb	99
38) 1,3-Dichloropropane	9.16	76	198954	46.30 ppb	98
39) Methyl Isobutyl Ketone	9.41	43	80818	47.66 ppb	100
40) Dibromochloromethane	9.52	129	160038	42.79 ppb	100
41) 1,2-Dibromoethane	9.63	107	137517	45.18 ppb	98
42) Chlorobenzene	10.49	112	404533	52.30 ppb	99
43) 1,1,1,2-Tetrachloroethane	10.68	133	141226	47.13 ppb	99
44) Ethylbenzene	10.73	91	649425	55.11 ppb	100
45) m,p-Xylene	10.95	91	1005919	113.13 ppb	99
46) o-Xylene	11.61	91	520483	56.45 ppb	98
47) Styrene	11.66	104	442393	57.69 ppb	100
49) Bromoform	11.93	173	100395	43.42 ppb	98
50) Isopropylbenzene	12.29	105	615533	49.89 ppb	100
52) Bromobenzene	12.71	156	174065	52.23 ppb	99
53) 1,1,2,2-Tetrachloroethane	12.91	83	154287	52.43 ppb	99
54) 1,2,3-Trichloropropane	12.91	75	108866	47.94 ppb	97
55) n-Propylbenzene	13.01	91	753353	55.65 ppb	99
56) 2-Chlorotoluene	13.09	126	156639	53.81 ppb	99
57) 4-Chlorotoluene	13.30	126	156358	56.01 ppb	99
58) 1,3,5-Trimethylbenzene	13.35	105	523012	55.71 ppb	100
59) tert-Butylbenzene	13.89	119	431155	54.73 ppb	99
60) 1,2,4-Trimethylbenzene	13.98	105	537724	56.38 ppb	99
61) sec-Butylbenzene	14.28	105	629986	55.82 ppb	99
62) 1,3-Dichlorobenzene	14.40	146	303891	55.71 ppb	99
63) p-Isopropyltoluene	14.58	119	539426	58.39 ppb	100
64) 1,4-Dichlorobenzene	14.57	146	301029	53.25 ppb	100
65) 1,2-Dichlorobenzene	15.20	146	272936	51.64 ppb	100
66) n-Butylbenzene	15.30	91	502501	61.65 ppb	99
67) 1,2-Dibromo-3-chloropropan	16.62	157	22546	42.56 ppb	100
68) 1,2,4-Trichlorobenzene	18.07	180	153856	52.10 ppb	98
69) Hexachlorobutadiene	18.44	225	71424	45.95 ppb	97
70) Naphthalene	18.48	128	268440	45.48 ppb	99
71) 1,2,3-Trichlorobenzene	18.92	180	114871	47.43 ppb	98

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\APRIL00\A000424\0418002.D Vial: 2
Acq On : 24 Apr 2000 12:52 pm Operator:
Sample : CC0424V1 Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 24 13:13 2000 Quant Results File: 0417HIGH.RES

Method : C:\HPCHEM\1\METHODS\0417HIGH.M (RTE Integrator)
Title : 8260 Calibration
Last Update : Tue Apr 18 11:21:09 2000
Response via : Initial Calibration



VOLATILES RAW QC DATA

INSTRUMENT PERFORMANCE CHECK
METHOD BLANK DATA
BLANK SPIKE DATA
BLANK SPIKE DUPLICATE DATA

5A

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: OnSite Environmental Contract: GWCC

Lab Code: OSE Case No.: 32-0039 SAS No.: SDG No.: 04-101

Lab File ID: 0417001.D BFB Injection Date: 04/17/00

Instrument ID: ALBERT BFB Injection Time: 09:09

GC Column: DB-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	8.0 - 40.0% of mass 95	15.4
75	30.0 - 66.0% of mass 95	41.7
95	Base peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.5
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	50.0 - 120.0% of mass 95	83.6
175	4.0 - 9.0% of mass 174	6.3 (7.6)1
176	93.0 - 101.0% of mass 174	80.6 (96.5)1
177	5.0 - 9.0% of mass 176	5.4 (6.7)2

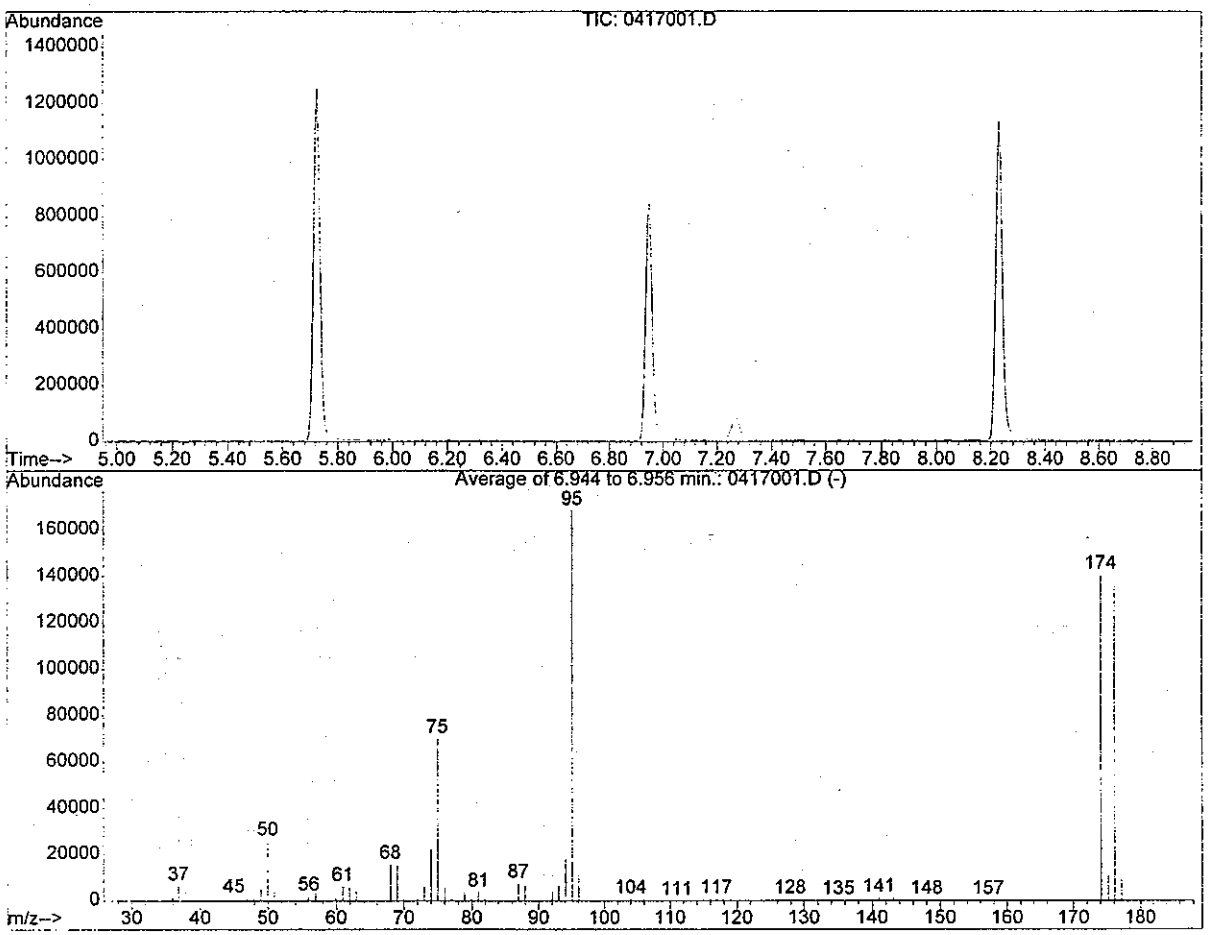
1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	VSTD001	1.0 PPB STD	0417011.D	04/17/00	19:04
02	VSTD005	5.0 PPB STD	0417012.D	04/17/00	19:34
03	VSTD020	20 PPB STD	0417013.D	04/17/00	20:04
04	VSTD050	50 PPB STD	0417014.D	04/17/00	20:34
05	VSTD100	100 PPB STD	0417015.D	04/17/00	21:04
06	VSTD200	200 PPB STD	0417016.D	04/17/00	21:34
07	VSTD050	CC0419V1	0418002.D	04/19/00	11:43
08	M.BLANK	MB0419W1	0418004.D	04/19/00	14:26

BFB

Data File : C:\HPCHEM\1\APRIL00\A000417\0417001.D Vial: 1
Acq On : 17 Apr 2000 9:09 am Operator:
Sample : bfb0417 Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Method : C:\HPCHEM\1\METHODS\0417HIGH.M (RTE Integrator)
Title : 8260 Calibration



Spectrum Information: Average of 6.944 to 6.956 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	15.4	25893	PASS
75	95	30	60	41.7	70219	PASS
95	95	100	100	100.0	168405	PASS
96	95	5	9	6.5	11021	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	83.6	140709	PASS
175	174	5	9	7.6	10637	PASS
176	174	95	101	96.5	135723	PASS
177	176	5	9	6.7	9097	PASS

5A

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: OnSite Environmental Contract: GWCC

Lab Code: OSE Case No.: 32-0039 SAS No.: SDG No.: 04-101

Lab File ID: 0418001.D BFB Injection Date: 04/24/00

Instrument ID: ALBERT BFB Injection Time: 09:41

GC Column: DB-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	8.0 - 40.0% of mass 95	16.3
75	30.0 - 66.0% of mass 95	44.9
95	Base peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.3
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	50.0 - 120.0% of mass 95	74.9
175	4.0 - 9.0% of mass 174	4.1 (5.4)1
176	93.0 - 101.0% of mass 174	73.7 (98.4)1
177	5.0 - 9.0% of mass 176	4.8 (6.5)2

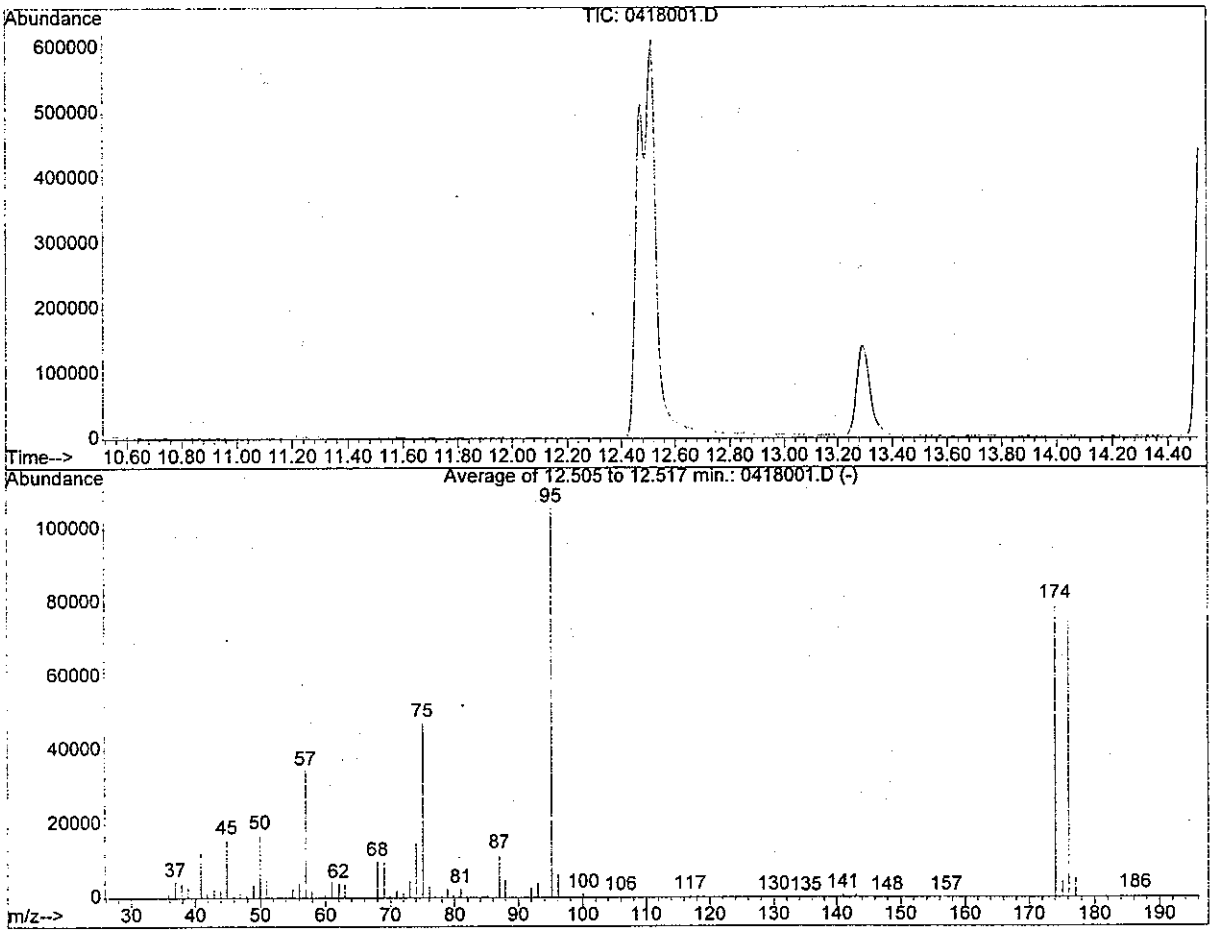
1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	VSTD	CC0424V1	0418002.D	04/24/00	12:52
02	M.BLANK2	MB0424W1	0418004.D	04/24/00	14:06
03	M.BLANKMS	SB0424W1	0418005.D	04/24/00	14:36
04	M.BLANKMSD	SBD0424W1	0418006.D	04/24/00	15:06
05	MW-12	04-101-07	0418009.D	04/24/00	17:50

BFB

Data File : C:\HPCHEM\1\APRIL00\A000424\0418001.D Vial: 1
Acq On : 24 Apr 2000 9:41 am Operator:
Sample : BFB0424V1 Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Method : C:\HPCHEM\1\METHODS\0417HIGH.M (RTE Integrator)
Title : 8260 Calibration



Spectrum Information: Average of 12.505 to 12.517 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	16.3	17267	PASS
75	95	30	60	44.9	47515	PASS
95	95	100	100	100.0	105803	PASS
96	95	5	9	6.3	6700	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	74.9	79248	PASS
175	174	5	9	5.4	4309	PASS
176	174	95	101	98.4	78000	PASS
177	176	5	9	6.5	5101	PASS

5A

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: OnSite Environmental Contract: GWCC

Lab Code: OSE Case No.: 32-0039 SAS No.: SDG No.: 04-101

Lab File ID: 0418003.D BFB Injection Date: 04/19/00

Instrument ID: ALBERT BFB Injection Time: 17:31

GC Column: DB-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	8.0 - 40.0% of mass 95	15.2
75	30.0 - 66.0% of mass 95	57.5
95	Base peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.4
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	50.0 - 120.0% of mass 95	84.7
175	4.0 - 9.0% of mass 174	6.2 (7.3)1
176	93.0 - 101.0% of mass 174	81.5 (96.2)1
177	5.0 - 9.0% of mass 176	4.7 (5.7)2

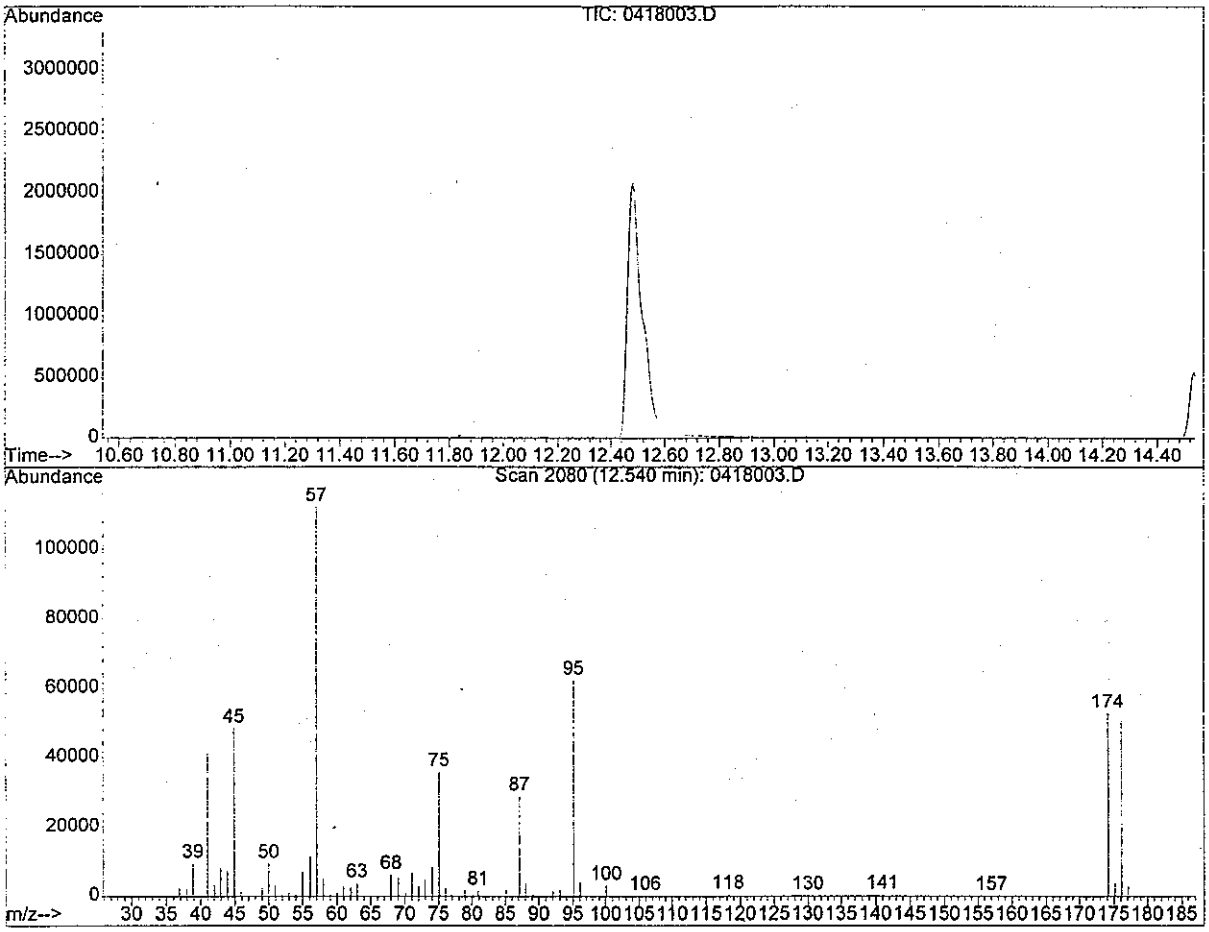
1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	B-10A	04-101-01 1:100	0418011.D	04/19/00	18:54
02	B-11	04-101-02 1:100	0418012.D	04/19/00	19:26
03	B-44	04-101-03 1:100	0418013.D	04/19/00	19:59
04	B-52	04-101-04 1:100	0418014.D	04/19/00	20:32
05	B-58	04-101-05 1:100	0418015.D	04/19/00	21:05
06	MW-13	04-101-06 1:100	0418016.D	04/19/00	21:37

BFB

Data File : C:\HPCHEM\1\APRIL00\A000419\0418003.D Vial: 10
Acq On : 19 Apr 2000 5:31 pm Operator:
Sample : blank Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Method : C:\HPCHEM\1\METHODS\0417HIGH.M (RTE Integrator)
Title : 8260 Calibration



Spectrum Information: Scan 2080

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	15.2	9470	PASS
75	95	30	60	57.5	35816	PASS
95	95	100	100	100.0	62320	PASS
96	95	5	9	6.4	3965	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	84.7	52792	PASS
175	174	5	9	7.3	3864	PASS
176	174	95	101	96.2	50784	PASS
177	176	5	9	5.7	2918	PASS

0418003.D 0417HIGH.M Fri May 12 10:29:36 2000

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

M.BLANK

Lab Name: OnSite Environmental Contract: GWCC

Lab Code: OSE Case No.: 32-0039 SAS No.: SDG No.: 04-101

Matrix: (soil/water) WATER Lab Sample ID: MB0419W1

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: 0418004.D

Level: (low/med) LOW Date Received: 04/18/00

% Moisture: not dec. Date Analyzed: 04/19/00

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
	Dichlorodifluoromethane	1	U
	Chloromethane	1	U
	Vinyl Chloride	1	U
	Bromomethane	1	U
	Chloroethane	1	U
	Trichlorofluoromethane	1	U
	1,1-Dichloroethene	1	U
	Acetone	5	U
	Carbon Disulfide	1	U
	Methylene Chloride	5	U
	(trans) 1,2-Dichloroethene	1	U
	1,1-Dichloroethane	1	U
	Vinyl Acetate	5	U
	2,2-Dichloropropane	1	U
	(cis) 1,2-Dichloroethene	1	U
	2-Butanone	5	U
	Chloroform	1	U
	1,1,1-Trichloroethane	1	U
	Carbon Tetrachloride	1	U
	1,1-Dichloropropene	1	U
	Benzene	1	U
	1,2-Dichloroethane	1	U
	Trichloroethene	1	U
	1,2-Dichloropropane	1	U
	Dibromomethane	1	U
	Bromodichloromethane	1	U
	2-Chloroethyl Vinyl Ether	1	U
	(cis) 1,3-Dichloropropene	1	U
	Toluene	1	U
	(trans) 1,3-Dichloropropene	1	U
	1,1,2-Trichloroethane	1	U
	Tetrachloroethene	1	U
	1,3-Dichloropropane	1	U
	Methyl Isobutyl Ketone	5	U
	Dibromochloromethane	1	U
	1,2-Dibromoethane	1	U
	Chlorobenzene	1	U
	1,1,1,2-Tetrachloroethane	1	U
	Ethylbenzene	1	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

M.BLANK

Lab Name: OnSite Environmental Contract: GWCC

Lab Code: OSE Case No.: 32-0039 SAS No.: SDG No.: 04-101

Matrix: (soil/water) WATER Lab Sample ID: MB0419W1

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: 0418004.D

Level: (low/med) LOW Date Received: 04/18/00

% Moisture: not dec. Date Analyzed: 04/19/00

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/L	Q
	m,p-Xylene	2	U
	o-Xylene	1	U
	Styrene	1	U
	Bromoform	1	U
	Isopropylbenzene	1	U
	Bromobenzene	1	U
	1,1,2,2-Tetrachloroethane	1	U
	1,2,3-Trichloropropane	1	U
	n-Propylbenzene	1	U
	2-Chlorotoluene	1	U
	4-Chlorotoluene	1	U
	1,3,5-Trimethylbenzene	1	U
	tert-Butylbenzene	1	U
	1,2,4-Trimethylbenzene	1	U
	sec-Butylbenzene	1	U
	1,3-Dichlorobenzene	1	U
	p-Isopropyltoluene	1	U
	1,4-Dichlorobenzene	1	U
	1,2-Dichlorobenzene	1	U
	n-Butylbenzene	1	U
	1,2-Dibromo-3-chloropropane	1	U
	1,2,4-Trichlorobenzene	1	U
	Hexachlorobutadiene	1	U
	Naphthalene	1	U
	1,2,3-Trichlorobenzene	1	U

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\APRIL00\A000419\0418004.D Vial: 4
Acq On : 19 Apr 2000 2:26 pm Operator:
Sample : MB0419W1 Inst : GC/MS Ins
Misc : SV-2-1.5 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: May 12 10:03 2000 Quant Results File: 0417HIGH.RES

Quant Method : C:\HPCHEM\1\METHODS\0417HIGH.M (RTE Integrator)
Title : 8260 Calibration
Last Update : Tue Apr 18 11:21:09 2000
Response via : Initial Calibration
DataAcq Meth : 0417HIGH

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.57	168	372031	50.00	ppb	-0.03
25) 1,4-Difluorobenzene	5.69	114	590943	50.00	ppb	-0.03
34) Chlorobenzene-d5	10.45	117	505207	50.00	ppb	-0.02
48) 1,4-Dichlorobenzene-d4	14.53	152	227656	50.00	ppb	-0.02
System Monitoring Compounds						
20) Dibromofluoromethane	4.46	111	203081	50.74	ppb	-0.03
Spiked Amount 50.000			Recovery = 101.48%			
32) Toluene-d8	8.05	98	560383	54.42	ppb	-0.02
Spiked Amount 50.000			Recovery = 108.84%			
51) 4-Bromofluorobenzene	12.52	95	238713	59.57	ppb	-0.02
Spiked Amount 50.000			Recovery = 119.14%			

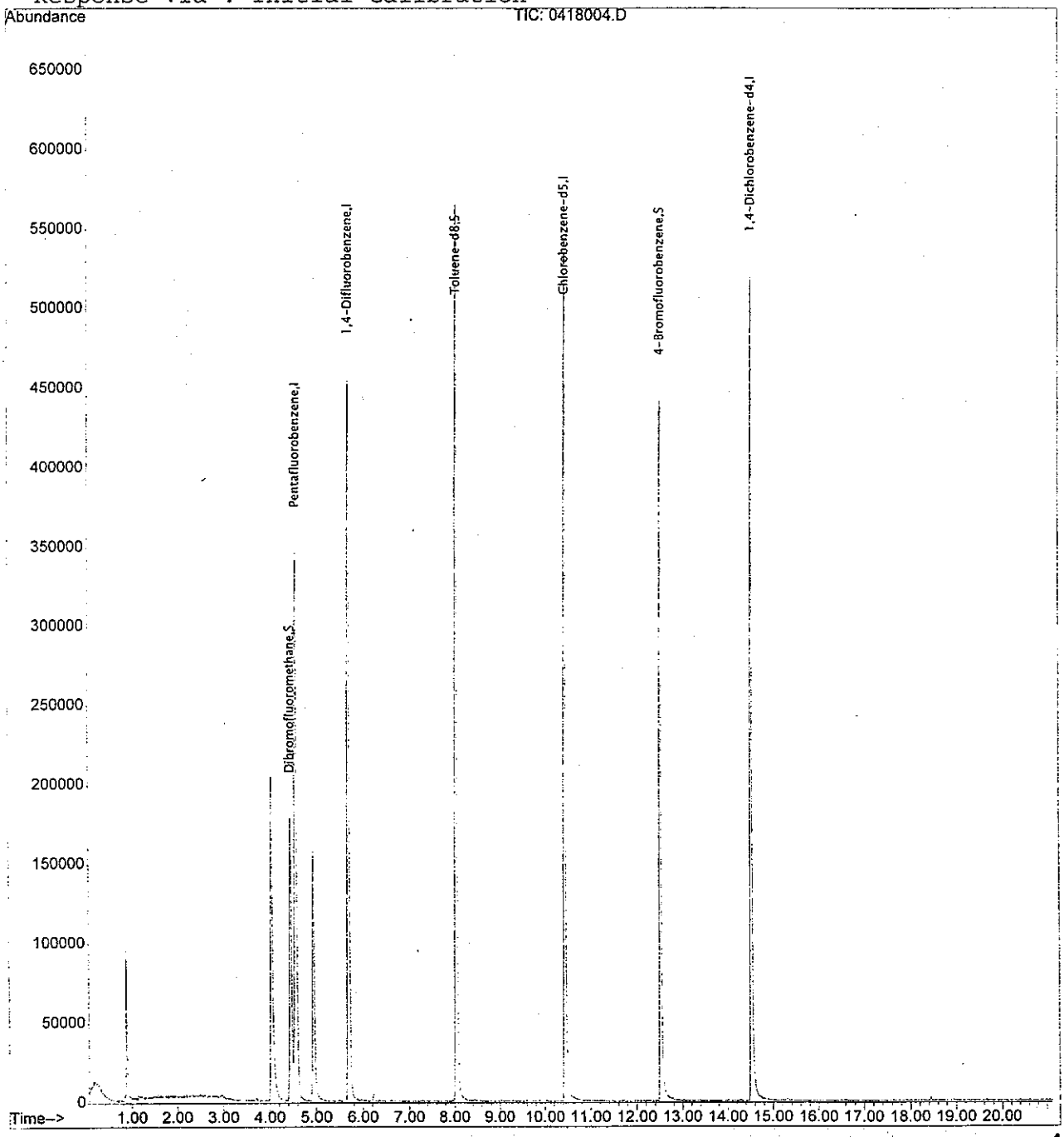
Target Compounds Qvalue

(#) = qualifier out of range (m) = manual integration
0418004.D 0417HIGH.M Fri May 12 10:04:06 2000 Page 1

Quantitation Report

Data File : C:\HPCHEM\1\APRIL00\A000419\0418004.D Vial: 4
Acq On : 19 Apr 2000 2:26 pm Operator:
Sample : MB0419W1 Inst : GC/MS Ins
Misc : SV-2-1.5 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: May 12 10:03 2000 Quant Results File: 0417HIGH.RES

Method : C:\HPCHEM\1\METHODS\0417HIGH.M (RTE Integrator)
Title : 8260 Calibration
Last Update : Tue Apr 18 11:21:09 2000
Response via : Initial Calibration



1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

M.BLANK2

Lab Name: OnSite Environmental Contract: GWCC

Lab Code: OSE Case No.: 32-0039 SAS No.: SDG No.: 04-101

Matrix: (soil/water) WATER Lab Sample ID: MB0424W1

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: 0418004.D

Level: (low/med) LOW Date Received: 04/18/00

% Moisture: not dec. Date Analyzed: 04/24/00

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
	Dichlorodifluoromethane	1	U
	Chloromethane	1	U
	Vinyl Chloride	1	U
	Bromomethane	1	U
	Chloroethane	1	U
	Trichlorofluoromethane	1	U
	1,1-Dichloroethene	1	U
	Acetone	5	U
	Carbon Disulfide	1	U
	Methylene Chloride	5	U
	(trans) 1,2-Dichloroethene	1	U
	1,1-Dichloroethane	1	U
	Vinyl Acetate	5	U
	2,2-Dichloropropane	1	U
	(cis) 1,2-Dichloroethene	1	U
	2-Butanone	5	U
	Chloroform	1	U
	1,1,1-Trichloroethane	1	U
	Carbon Tetrachloride	1	U
	1,1-Dichloropropene	1	U
	Benzene	1	U
	1,2-Dichloroethane	1	U
	Trichloroethene	1	U
	1,2-Dichloropropane	1	U
	Dibromomethane	1	U
	Bromodichloromethane	1	U
	2-Chloroethyl Vinyl Ether	1	U
	(cis) 1,3-Dichloropropene	1	U
	Toluene	1	U
	(trans) 1,3-Dichloropropene	1	U
	1,1,2-Trichloroethane	1	U
	Tetrachloroethene	1	U
	1,3-Dichloropropane	1	U
	Methyl Isobutyl Ketone	5	U
	Dibromochloromethane	1	U
	1,2-Dibromoethane	1	U
	Chlorobenzene	1	U
	1,1,1,2-Tetrachloroethane	1	U
	Ethylbenzene	1	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

M.BLANK2

Lab Name: OnSite Environmental Contract: GWCC

Lab Code: OSE Case No.: 32-0039 SAS No.: SDG No.: 04-101

Matrix: (soil/water) WATER Lab Sample ID: MB0424W1

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: 0418004.D

Level: (low/med) LOW Date Received: 04/18/00

% Moisture: not dec. Date Analyzed: 04/24/00

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
	m,p-Xylene	2	U
	o-Xylene	1	U
	Styrene	1	U
	Bromoform	1	U
	Isopropylbenzene	1	U
	Bromobenzene	1	U
	1,1,2,2-Tetrachloroethane	1	U
	1,2,3-Trichloropropane	1	U
	n-Propylbenzene	1	U
	2-Chlorotoluene	1	U
	4-Chlorotoluene	1	U
	1,3,5-Trimethylbenzene	1	U
	tert-Butylbenzene	1	U
	1,2,4-Trimethylbenzene	1	U
	sec-Butylbenzene	1	U
	1,3-Dichlorobenzene	1	U
	p-Isopropyltoluene	1	U
	1,4-Dichlorobenzene	1	U
	1,2-Dichlorobenzene	1	U
	n-Butylbenzene	1	U
	1,2-Dibromo-3-chloropropane	1	U
	1,2,4-Trichlorobenzene	1	U
	Hexachlorobutadiene	1	U
	Naphthalene	1	U
	1,2,3-Trichlorobenzene	1	U

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\APRIL00\A000424\0418004.D Vial: 4
Acq On : 24 Apr 2000 2:06 pm Operator:
Sample : MB0424W1 Inst : GC/MS Ins
Misc : SV-2-1.5 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: May 12 10:02 2000 Quant Results File: 0417HIGH.RES

Quant Method : C:\HPCHEM\1\METHODS\0417HIGH.M (RTE Integrator)
Title : 8260 Calibration
Last Update : Tue Apr 18 11:21:09 2000
Response via : Initial Calibration
DataAcq Meth : 0417HIGH

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.58	168	350972	50.00	ppb	-0.02
25) 1,4-Difluorobenzene	5.70	114	587905	50.00	ppb	-0.02
34) Chlorobenzene-d5	10.46	117	461089	50.00	ppb	-0.02
48) 1,4-Dichlorobenzene-d4	14.53	152	217046	50.00	ppb	-0.02
System Monitoring Compounds						
20) Dibromofluoromethane	4.46	111	200906	53.21	ppb	-0.02
Spiked Amount 50.000			Recovery = 106.42%			
32) Toluene-d8	8.05	98	535945	52.31	ppb	-0.02
Spiked Amount 50.000			Recovery = 104.62%			
51) 4-Bromofluorobenzene	12.52	95	215359	56.37	ppb	-0.02
Spiked Amount 50.000			Recovery = 112.74%			

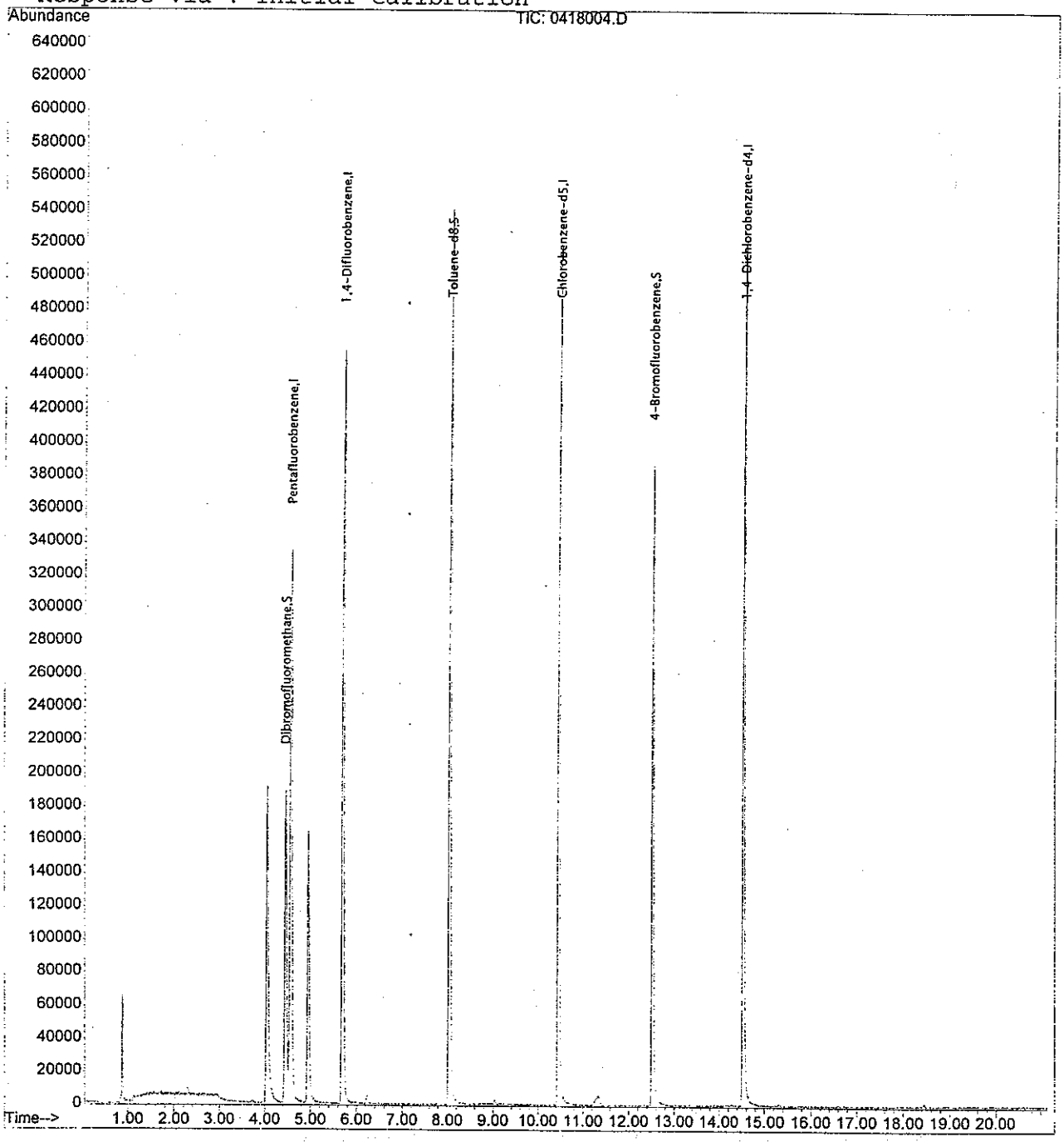
Target Compounds Qvalue

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\APRIL00\A000424\0418004.D Vial: 4
Acq On : 24 Apr 2000 2:06 pm Operator:
Sample : MB0424W1 Inst : GC/MS Ins
Misc : SV-2-1.5 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: May 12 10:02 2000 Quant Results File: 0417HIGH.RES

Method : C:\HPCHEM\1\METHODS\0417HIGH.M (RTE Integrator)
Title : 8260 Calibration
Last Update : Tue Apr 18 11:21:09 2000
Response via : Initial Calibration



1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

M.BLANKMS

Lab Name: OnSite Environmental Contract: GWCC

Lab Code: OSE Case No.: 32-0039 SAS No.: SDG No.: 04-101

Matrix: (soil/water) WATER Lab Sample ID: SB0424W1

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: 0418005.D

Level: (low/med) LOW Date Received: 04/18/00

% Moisture: not dec. Date Analyzed: 04/24/00

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/L	Q
	Dichlorodifluoromethane	1	U
	Chloromethane	1	U
	Vinyl Chloride	0	J
	Bromomethane	1	
	Chloroethane	1	U
	Trichlorofluoromethane	1	U
	1,1-Dichloroethene	44	
	Acetone	5	U
	Carbon Disulfide	0	J
	Methylene Chloride	1	J
	(trans) 1,2-Dichloroethene	0	J
	1,1-Dichloroethane	1	U
	Vinyl Acetate	5	U
	2,2-Dichloropropane	0	J
	(cis) 1,2-Dichloroethene	1	U
	2-Butanone	5	U
	Chloroform	1	U
	1,1,1-Trichloroethane	0	J
	Carbon Tetrachloride	1	U
	1,1-Dichloropropene	1	U
	Benzene	45	
	1,2-Dichloroethane	1	
	Trichloroethene	47	
	1,2-Dichloropropane	1	U
	Dibromomethane	1	U
	Bromodichloromethane	1	U
	2-Chloroethyl Vinyl Ether	1	U
	(cis) 1,3-Dichloropropene	1	U
	Toluene	46	
	(trans) 1,3-Dichloropropene	1	U
	1,1,2-Trichloroethane	1	U
	Tetrachloroethene	0	J
	1,3-Dichloropropane	1	U
	Methyl Isobutyl Ketone	5	U
	Dibromochloromethane	1	U
	1,2-Dibromoethane	1	U
	Chlorobenzene	48	
	1,1,1,2-Tetrachloroethane	1	U
	Ethylbenzene	1	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

M.BLANKMS

Lab Name: OnSite Environmental Contract: GWCC

Lab Code: OSE Case No.: 32-0039 SAS No.: SDG No.: 04-101

Matrix: (soil/water) WATER Lab Sample ID: SB0424W1

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: 0418005.D

Level: (low/med) LOW Date Received: 04/18/00

% Moisture: not dec. Date Analyzed: 04/24/00

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/L	Q
	m,p-Xylene	0	J
	o-Xylene	1	U
	Styrene	1	U
	Bromoform	1	U
	Isopropylbenzene	1	U
	Bromobenzene	1	U
	1,1,2,2-Tetrachloroethane	1	U
	1,2,3-Trichloropropane	1	U
	n-Propylbenzene	1	U
	2-Chlorotoluene	1	U
	4-Chlorotoluene	1	U
	1,3,5-Trimethylbenzene	1	U
	tert-Butylbenzene	1	U
	1,2,4-Trimethylbenzene	1	U
	sec-Butylbenzene	1	U
	1,3-Dichlorobenzene	1	U
	p-Isopropyltoluene	1	U
	1,4-Dichlorobenzene	1	U
	1,2-Dichlorobenzene	1	U
	n-Butylbenzene	1	U
	1,2-Dibromo-3-chloropropane	1	U
	1,2,4-Trichlorobenzene	1	U
	Hexachlorobutadiene	1	U
	Naphthalene	1	U
	1,2,3-Trichlorobenzene	1	U

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\APRIL00\A000424\0418005.D Vial: 5
Acq On : 24 Apr 2000 2:36 pm Operator:
Sample : SB0424W1 Inst : GC/MS Ins
Misc : SV-2-1.5 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 24 14:57 2000 Quant Results File: 0417HIGH.RES

Quant Method : C:\HPCHEM\1\METHODS\0417HIGH.M (RTE Integrator)
Title : 8260 Calibration
Last Update : Tue Apr 18 11:21:09 2000
Response via : Initial Calibration
DataAcq Meth : 0417HIGH

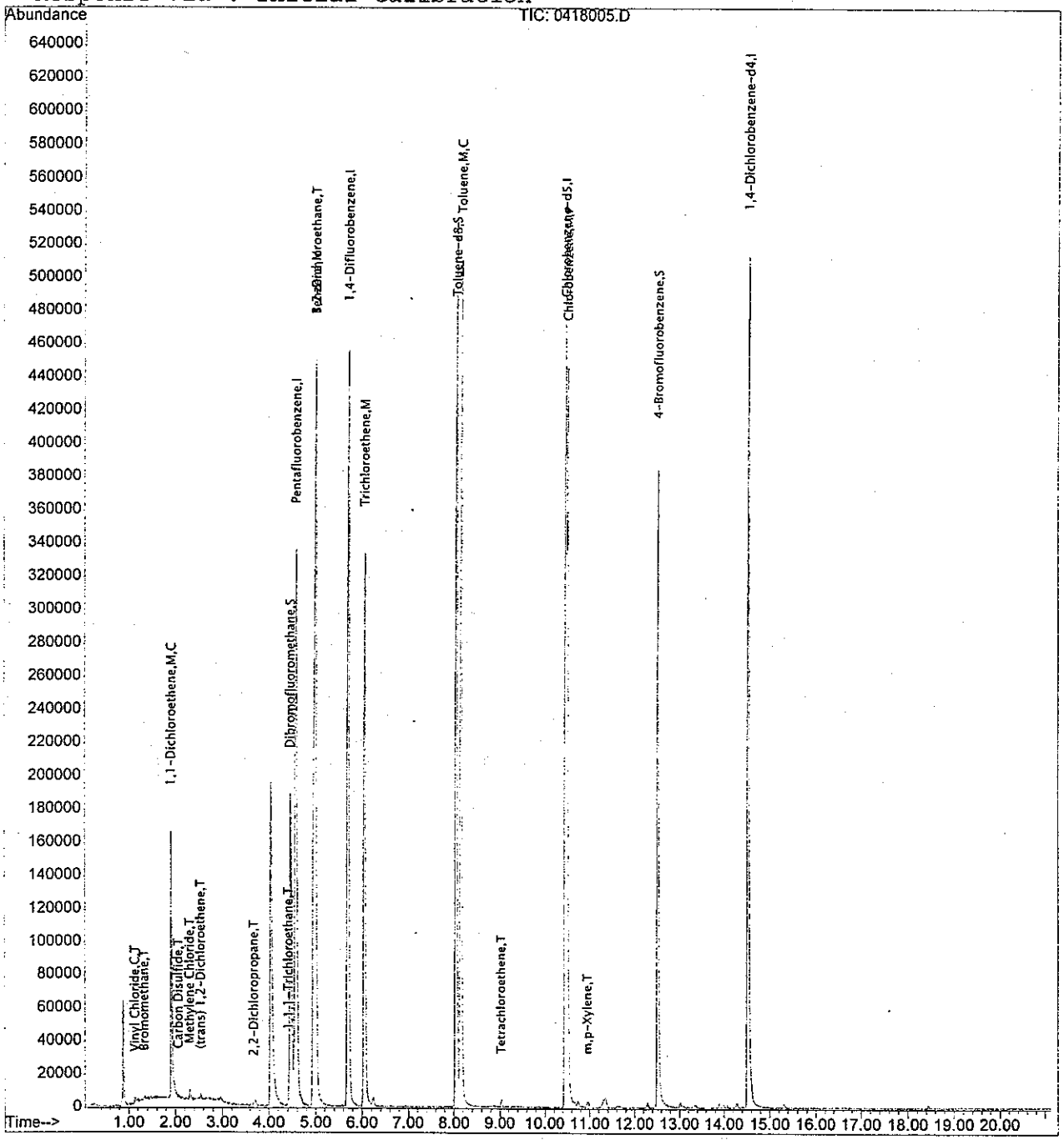
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Pentafluorobenzene	4.58	168	360059	50.00	ppb		-0.02
25) 1,4-Difluorobenzene	5.70	114	585401	50.00	ppb		-0.02
34) Chlorobenzene-d5	10.45	117	458683	50.00	ppb		-0.02
48) 1,4-Dichlorobenzene-d4	14.53	152	217447	50.00	ppb		-0.02
System Monitoring Compounds							
20) Dibromofluoromethane	4.46	111	206401	53.28	ppb		-0.02
Spiked Amount 50.000			Recovery = 106.56%				
32) Toluene-d8	8.05	98	535199	52.46	ppb		-0.02
Spiked Amount 50.000			Recovery = 104.92%				
51) 4-Bromofluorobenzene	12.53	95	218995	57.21	ppb		-0.01
Spiked Amount 50.000			Recovery = 114.42%				
Target Compounds							Qvalue
4) Vinyl Chloride	1.14	62	731	0.41	ppb		100
5) Bromomethane	1.34	94	1984	1.29	ppb	#	29
8) 1,1-Dichloroethene	1.91	61	105157	44.31	ppb		100
10) Carbon Disulfide	2.07	76	2060	0.43	ppb		97
11) Methylene Chloride	2.31	49	2959	1.35	ppb	#	61
12) (trans) 1,2-Dichloroethene	2.55	61	1017	0.46	ppb	#	74
15) 2,2-Dichloropropane	3.68	77	2166	0.59	ppb	#	42
19) 1,1,1-Trichloroethane	4.42	97	1986	0.42	ppb	#	18
23) Benzene	5.00	78	561644	45.29	ppb		100
24) 1,2-Dichloroethane	5.00	62	4666	1.16	ppb	#	48
26) Trichloroethene	6.06	130	165450	47.04	ppb		97
33) Toluene	8.16	91	553415	45.92	ppb		99
37) Tetrachloroethene	9.04	166	2150	0.73	ppb		94
42) Chlorobenzene	10.50	112	356079	47.50	ppb		100
45) m,p-Xylene	10.96	91	5139	0.60	ppb		95

(#) = qualifier out of range. (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\APRIL00\A000424\0418005.D Vial: 5
Acq On : 24 Apr 2000 2:36 pm Operator:
Sample : SB0424W1 Inst : GC/MS Ins
Misc : SV-2-1.5 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 24 14:57 2000 Quant Results File: 0417HIGH.RES

Method : C:\HPCHEM\1\METHODS\0417HIGH.M (RTE Integrator)
Title : 8260 Calibration
Last Update : Tue Apr 18 11:21:09 2000
Response via : Initial Calibration



1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

M.BLANKMSD

Lab Name: OnSite Environmental Contract: GWCC

Lab Code: OSE Case No.: 32-0039 SAS No.: SDG No.: 04-101

Matrix: (soil/water) WATER Lab Sample ID: SBD0424W1

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: 0418006.D

Level: (low/med) LOW Date Received: 04/18/00

% Moisture: not dec. Date Analyzed: 04/24/00

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
	Dichlorodifluoromethane	1	U
	Chloromethane	1	U
	Vinyl Chloride	1	U
	Bromomethane	0	J
	Chloroethane	1	U
	Trichlorofluoromethane	1	U
	1,1-Dichloroethene	42	
	Acetone	0	J
	Carbon Disulfide	1	U
	Methylene Chloride	1	J
	(trans) 1,2-Dichloroethene	1	U
	1,1-Dichloroethane	1	U
	Vinyl Acetate	5	U
	2,2-Dichloropropane	0	J
	(cis) 1,2-Dichloroethene	1	U
	2-Butanone	5	U
	Chloroform	1	U
	1,1,1-Trichloroethane	1	U
	Carbon Tetrachloride	8	
	1,1-Dichloropropene	0	J
	Benzene	44	
	1,2-Dichloroethane	1	
	Trichloroethene	47	
	1,2-Dichloropropane	1	U
	Dibromomethane	1	U
	Bromodichloromethane	1	U
	2-Chloroethyl Vinyl Ether	1	U
	(cis) 1,3-Dichloropropene	1	U
	Toluene	45	
	(trans) 1,3-Dichloropropene	1	U
	1,1,2-Trichloroethane	1	U
	Tetrachloroethene	0	J
	1,3-Dichloropropane	1	U
	Methyl Isobutyl Ketone	5	U
	Dibromochloromethane	1	U
	1,2-Dibromoethane	1	U
	Chlorobenzene	48	
	1,1,1,2-Tetrachloroethane	1	U
	Ethylbenzene	1	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

M.BLANKMSD

Lab Name: OnSite Environmental Contract: GWCC

Lab Code: OSE Case No.: 32-0039 SAS No.: SDG No.: 04-101

Matrix: (soil/water) WATER Lab Sample ID: SBD0424W1

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: 0418006.D

Level: (low/med) LOW Date Received: 04/18/00

% Moisture: not dec. Date Analyzed: 04/24/00

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/L	Q
	m,p-Xylene	0	J
	o-Xylene	1	U
	Styrene	1	U
	Bromoform	1	U
	Isopropylbenzene	1	U
	Bromobenzene	1	U
	1,1,2,2-Tetrachloroethane	1	U
	1,2,3-Trichloropropane	1	U
	n-Propylbenzene	1	U
	2-Chlorotoluene	1	U
	4-Chlorotoluene	1	U
	1,3,5-Trimethylbenzene	1	U
	tert-Butylbenzene	1	U
	1,2,4-Trimethylbenzene	1	U
	sec-Butylbenzene	1	U
	1,3-Dichlorobenzene	1	U
	p-Isopropyltoluene	1	U
	1,4-Dichlorobenzene	1	U
	1,2-Dichlorobenzene	1	U
	n-Butylbenzene	1	U
	1,2-Dibromo-3-chloropropane	1	U
	1,2,4-Trichlorobenzene	1	U
	Hexachlorobutadiene	0	J
	Naphthalene	1	U
	1,2,3-Trichlorobenzene	1	U

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\APRIL00\A000424\0418006.D Vial: 6
Acq On : 24 Apr 2000 3:06 pm Operator:
Sample : SBD0424W1 Inst : GC/MS Ins
Misc : SV-2-1.5 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 24 15:27 2000 Quant Results File: 0417HIGH.RES

Quant Method : C:\HPCHEM\1\METHODS\0417HIGH.M (RTE Integrator)
Title : 8260 Calibration
Last Update : Tue Apr 18 11:21:09 2000
Response via : Initial Calibration
DataAcq Meth : 0417HIGH

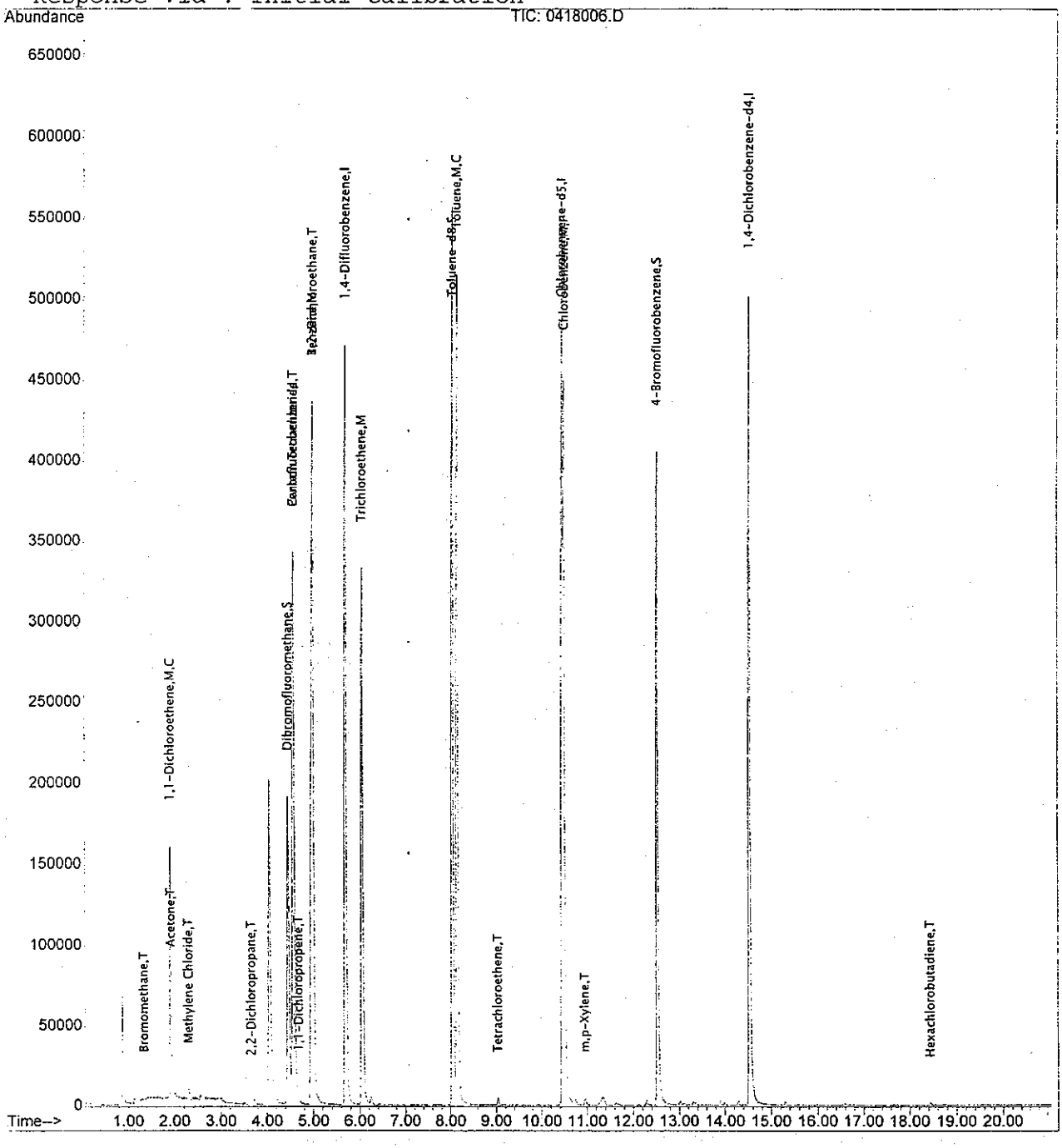
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Pentafluorobenzene	4.58	168	365183	50.00	ppb		-0.02
25) 1,4-Difluorobenzene	5.70	114	602832	50.00	ppb		-0.02
34) Chlorobenzene-d5	10.46	117	469736	50.00	ppb		-0.02
48) 1,4-Dichlorobenzene-d4	14.53	152	216136	50.00	ppb		-0.02
System Monitoring Compounds							
20) Dibromofluoromethane	4.47	111	205542	52.32	ppb		-0.02
Spiked Amount 50.000			Recovery = 104.64%				
32) Toluene-d8	8.05	98	553205	52.66	ppb		-0.02
Spiked Amount 50.000			Recovery = 105.32%				
51) 4-Bromofluorobenzene	12.53	95	222463	58.47	ppb		-0.01
Spiked Amount 50.000			Recovery = 116.94%				
Target Compounds							Qvalue
5) Bromomethane	1.34	94	1481	0.95	ppb	#	31
8) 1,1-Dichloroethene	1.91	61	101424	42.14	ppb		99
9) Acetone	1.94	43	390	0.44	ppb		95
11) Methylene Chloride	2.31	49	2984	1.34	ppb	#	72
15) 2,2-Dichloropropane	3.67	77	2051	0.55	ppb	#	42
21) Carbon Tetrachloride	4.58	117	36101	8.23	ppb	#	6
22) 1,1-Dichloropropene	4.69	75	1857	0.44	ppb	#	43
23) Benzene	5.00	78	552948	43.96	ppb		100
24) 1,2-Dichloroethane	5.01	62	4305	1.06	ppb	#	49
26) Trichloroethene	6.06	130	169370	46.77	ppb		99
33) Toluene	8.16	91	553885	44.63	ppb		99
37) Tetrachloroethene	9.04	166	2071	0.69	ppb	#	93
42) Chlorobenzene	10.50	112	367464	47.86	ppb		100
45) m,p-Xylene	10.97	91	5218	0.59	ppb		97
69) Hexachlorobutadiene	18.44	225	591	0.40	ppb	#	78

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\APRIL00\A000424\0418006.D Vial: 6
Acq On : 24 Apr 2000 3:06 pm Operator:
Sample : SBD0424W1 Inst : GC/MS Ins
Misc : SV-2-1.5 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 24 15:27 2000 Quant Results File: 0417HIGH.RES

Method : C:\HPCHEM\1\METHODS\0417HIGH.M (RTE Integrator)
Title : 8260 Calibration
Last Update : Tue Apr 18 11:21:09 2000
Response via : Initial Calibration



VOLATILES MISCELLANEOUS DATA

SAMPLE RUN LOG

Sequence Name: C:\HPCHEM\1\APRIL00\A000417.S
Comment:
Operator:
Data Path: C:\HPCHEM\1\DATA\A000417\
Pre-Seq Cmd:
Post-Seq Cmd:

Method Sections To Run
(X) Full Method
( ) Reprocessing Only

On A Barcode Mismatch
(X) Inject Anyway
( ) Don't Inject

Line	Type	Vial	DataFile	Method	Sample Name
1	BFB	1	0417001	BFB	bfb0417
2	Sample	2	0417002	0321LOW	WATER BLANK
3	Sample	3	0417003	0321LOW	.20 PPB STD
4	Sample	4	0417004	0321LOW	1.0 PPB STD
5	Sample	5	0417005	0321LOW	4.0 PPB STD
6	Sample	6	0417006	0321LOW	10 PPB STD
7	Sample	7	0417007	0321LOW	20 PPB STD
8	Sample	8	0417008	0321LOW	40 PPB STD
9	Sample	9	0417009	0317HIGH	WATER BLANK
10	Sample	10	0417010	0317HIGH	WATER BLANK
11	Sample	11	0417011	0317HIGH	1.0 PPB STD
12	Sample	12	0417012	0317HIGH	5.0 PPB STD
13	Sample	13	0417013	0317HIGH	20 PPB STD
14	Sample	14	0417014	0317HIGH	50 PPB STD
15	Sample	15	0417015	0317HIGH	100 PPB STD
16	Sample	16	0417016	0317HIGH	200 PPB STD

Sequence Name: C:\HPCHEM\1\APRIL00\A000419.S
Comment:
Operator:
Data Path: C:\HPCHEM\1\DATA\A000419\
Pre-Seq Cmd:
Post-Seq Cmd:

Method Sections To Run
(X) Full Method
( ) Reprocessing Only

On A Barcode Mismatch
(X) Inject Anyway
( ) Don't Inject

Line	Type	Vial	DataFile	Method	Sample Name
1	DailyCal	2	0418002	0417HIGH	CC0419V1
2	Sample	3	0418003	0417HIGH	BLANK
3	Sample	4	0418004	0417HIGH	MB0419W1
4	Sample	5	0418005	0417HIGH	SB0419W1
5	Sample	6	0418006	0417HIGH	SBD0419W1
6	Sample	7	0418007	0417HIGH	04-060-01 1:100
7	Sample	8	0418008	0417HIGH	04-060-02 1:100
8	Sample	9	0418009	0417HIGH	04-060-02 1:1
9	Sample	10	0418003	0417HIGH	blank
10	Sample	10	0418010	0417LOW	04-074-01 25ul
11	Sample	11	0418011	0417HIGH	04-101-01 1:100
12	Sample	12	0418012	0417HIGH	04-101-02 1:100
13	Sample	13	0418013	0417HIGH	04-101-03 1:100
14	Sample	14	0418014	0417HIGH	04-101-04 1:100
15	Sample	15	0418015	0417HIGH	04-101-05 1:100
16	Sample	16	0418016	0417HIGH	04-101-06 1:100
17	Sample	17	0418017	0417HIGH	04-101-07 1:100
18	Sample	18	0418018	0417HIGH	04-098-05 1:100
19	Sample	19	0418019	0417HIGH	04-098-09 1:100
20	Sample	20	0418020	0417HIGH	SB0419W2
21	Sample	21	0418021	0417HIGH	SBD0419W2

Sequence Name: C:\HPCHEM\1\APRIL00\A000424.S
Comment:
Operator:
Data Path: C:\HPCHEM\1\DATA\A000424\
Pre-Seq Cmd:
Post-Seq Cmd:

Method Sections To Run
(X) Full Method
( ) Reprocessing Only

On A Barcode Mismatch
(X) Inject Anyway
( ) Don't Inject

Line	Type	Vial	DataFile	Method	Sample Name
1	BFB	1	0418001	0417HIGH	BFB0424V1
2	DailyCal	2	0418002	0417HIGH	CC0424V1
3	DailyCal	2	0418002	0417HIGH	CC0424V1
4	Sample	3	0418003	0417HIGH	BLANK
5	Sample	4	0418004	0417HIGH	MB0424W1
6	Sample	5	0418005	0417HIGH	SB0424W1
7	Sample	6	0418006	0417HIGH	SBD0424W1
8	Sample	7	0418007	0321LOW	04-098-05 25UL
9	Sample	8	0418008	0321LOW	04-098-09 25UL
10	Sample	9	0418009	0317HIGH	04-101-07 25UL
11	Sample	10	0418010	0417HIGH	04-130-01 1:10000
12	Sample	3	0418003	0417HIGH	BLANK
13	Sample	12	0418011	0417HIGH	04-130-02 1:10000
14	Sample	3	0418003	0417HIGH	BLANK

Summary of Soil Vapor Sampling Results

Attachment B

PARCC Analysis

AGENCY REVIEW DRAFT

Soil Vapor Study
PARCC Analysis

Two laboratories were used for the Soil Vapor Study. On-site vapor sampling was conducted and SUMA canisters were collected. Transglobal Environmental Geosciences Northwest, Inc. (TEG) of Lacey, Washington conducted the on-site soil vapor sampling. OnSite Environmental Inc. of Redmond, Washington analyzed the SUMA canisters.

The SUMA canisters were analyzed for VOCs and Speciated Hydrocarbons by EPA Method TO-14. Selected samples were also analyzed for Methane by ASTM Method 3416. The on-site samples were analyzed by EPA Method 8021B.

INTERNAL DATA REVIEW

A Terra Vac chemist conducted the internal data review. All of the analytical chemistry data was validated by Saylor Data Solutions, a subcontractor to Floyd & Snider. The Saylor Data Solutions data validation report is included in the Northwest Corner PARCC Analysis, presented as Attachment E of Appendix A, Northwest Corner Investigation. Elements covered in the internal data review include precision, accuracy, representativeness, completeness and comparability (PARCC parameters). Analytical holding times, method blanks, laboratory control spikes and laboratory spike duplicates as well as matrix spike and matrix spike duplicates were reviewed. The following is a summary of the data along with any abnormalities and a conclusion as to the usability of the data.

PARCC PARAMETERS

Precision

SUMA Canisters - VOC

Relative percent differences (RPD) in the laboratory control spike and laboratory control spike duplicates were generally within the laboratory control limits for all samples. Chlorobenzene recovery (68%) in the LCSD analyzed on 5/3/00 was below the control limits of 70-130%. However, the recovery is only slightly below the limit and no qualifier is necessary.

SUMA Canisters – SIM Vinyl Chloride Analyses

Relative percent differences (RPD) in the laboratory control spike and laboratory control spike duplicates were within the laboratory control limits for all samples.

SUMA Canisters – Hydrocarbon Speciation C2-C5 Analyses

Relative percent differences (RPD) in the laboratory control spike and laboratory control spike duplicates were within the laboratory control limits for all samples.

SUMA Canisters – Methane Analyses

Relative percent differences (RPD) in the laboratory control spike and laboratory control spike duplicates were within the laboratory control limits for all samples.

On-Site Vapor Analysis

No laboratory control spike and laboratory control spike duplicates were analyzed. Matrix duplicate sample RPDs were within laboratory and method control limits.

Accuracy

SUMA Canisters - VOC

Several of the samples were diluted due to high concentrations of target analytes resulting in higher practical quantitation limits (PQLs). All of the diluted samples were within acceptable PQLs based on the concentrations of the target analytes. Therefore, the raised PQLs are not considered an out-of-control condition. Tetrachloroethene in sample VP58-7 exceeded the calibration range of the instrument. The result was qualified as estimated.

Method blank contamination was found in samples analyzed on 5/2/00 and 5/3/200. Tetrachloroethene was found at 0.24 ppbV on 5/2/00 and at 0.36 ppbV on 5/3/00. All associated sample concentrations were greater than 10 times the blank contamination level, and no qualifiers were assigned.

The percent difference for vinyl chloride in the continuing calibration on 4/28/00 was 30.1%, slightly out of the limit of ∀30%. No qualifiers were assigned.

SUMA Canisters – SIM Vinyl Chloride Analyses

Several of the samples were diluted due to high concentrations of target analytes resulting in higher practical quantitation limits (PQLs). All of the diluted samples were within acceptable PQLs based on the concentrations of the target analytes. Therefore, the raised PQLs are not considered an out-of-control condition.

No method blank contamination was noted.

SUMA Canisters – Hydrocarbon Speciation C2-C5 Analyses

Several of the samples were diluted due to high concentrations of target analytes resulting in higher practical quantitation limits (PQLs). All of the diluted samples were within acceptable PQLs based on the concentrations of the target analytes. Therefore, the raised PQLs are not considered an out-of-control condition.

The method blank analyzed 5/10/00 contained propane at 0.21 ppbV. The method blank analyzed 5/11/00 contained n-hexane at 0.19 ppbV. All associated sample concentrations were greater than 10 times the blank contamination level, and no qualifiers were assigned.

The method blank analyzed 5/11/00 also contained c-2-hexane at 0.14 ppbV. Sample VP52-0.25 Dup contained c-2-hexane at a concentration less than 10 times the blank level. This result should be considered non-detected at the reported concentration and is qualified as "U".

SUMA Canisters – Methane Analyses

No method blank contamination was noted.

On-Site Vapor Analysis

Vapor samples VVP11-4.5 and VVP11-6.5 were originally run at a 1:1 dilution. At this dilution tetrachloroethene (PCE) was above the calibration curve. The samples were re-analyzed at a 1:5 dilution and PCE was within the calibration curve.

The data generally was within the 25% confirmation requirements for the ELCD and the PID. Several of the low-level samples had slightly greater than a 25% correlation. This is possibly due to the daily calibrations used in the field. The ELCD calibration was within the requirements but had slightly lower recoveries than the PID calibration. This difference could account for the greater that 25% comparability.

No method blank contamination was noted.

Representativeness

Representativeness is addressed in the workplan for the site and the design of the sampling location. Samples were collected in the designated sampling locations. Duplicate samples were taken as needed.

Completeness

Completeness is defined in the CERCLA program as the percentage of measurements made which are judged to be valid measurements (EPA, 1987). The potential data gaps were assessed as well as matching the chain of custodies to the samples received and analyzed by the laboratory. During this investigation, no samples were lost during shipment. All samples received by the laboratory were analyzed according to the corresponding chain of custody.

Data qualifier flags were necessary for VOC analysis sample VP58-7 for tetrachloroethene above the calibration curve and for sample VP52-0.25 Dup hydrocarbon analysis due to c-2-hexane contamination in the blank.

Comparability

Field duplicates were within acceptable limits for all parameters tested. Laboratory spike and matrix spike duplicate samples were within laboratory control limits. No laboratory spike and matrix spike duplicate samples were taken during the on-site testing by TEG.

There were significant differences between the data collected by the SUMA canister method and the data collected during the on-site analysis. Concentrations between the two were often greater than an order of magnitude.

ADDITIONAL PARAMETERS

Hold Times

No samples were analyzed out of acceptable hold times.

Blanks

SUMA Canisters - VOC

Method blank contamination was found in samples analyzed on 5/2/00 and 5/3/200. Tetrachloroethene was found at 0.24 ppbV on 5/2/00 and at 0.36 ppbV on 5/3/00. All associated sample concentrations were greater than 10 times the blank contamination level, and no qualifiers were assigned.

SUMA Canisters – SIMS Vinyl Chloride

No method blank contamination was noted.

SUMA Canisters – Hydrocarbon Speciation C2-C5 Analyses

The method blank analyzed 5/10/00 contained propane at 0.21 ppbV. The method blank analyzed 5/11/00 contained n-hexane at 0.19 ppbV. All associated sample concentrations were greater than 10 times the blank contamination level, and no qualifiers were assigned.

The method blank analyzed 5/11/00 also contained c-2-hexane at 0.14 ppbV. Sample VP52-0.25 Dup contained c-2-hexane at a concentration less than 10 times the blank level. This result should be considered non-detected at the reported concentration and is qualified as "U".

SUMA Canisters – Methane Analyses

No method blank contamination was detected.

On-Site Vapor Analysis

No method blank contamination was detected.

CONCLUSIONS

SUMA Canisters – All Parameters

The results of the internal review of the data packages indicate that the data was of high quality. All VOC data was within acceptable parameters for IS/Surrogates, method blanks, matrix spikes and matrix spike duplicates. The data is judged to be valid and usable for the intended purpose.

On-Site Analysis

Chromatographic resolution in the first third of each of the analyses was cluttered resulting in difficulty in distinguishing many of the early eluting peaks. No matrix spike or laboratory spike samples were analyzed.

Duplicate samples were taken in both syringes (on-site) and SUMMA canisters (off-site) during the test. The comparability between the SUMMA canisters and the on-site analyses for other samples had concentration differences as greater than an order of magnitude on several samples. Due to the sampling techniques unique to each of the methods, it is difficult to compare the two methods and each set of results should be evaluated alone. A possible explanation for the differences is in the analytical methods. EPA Method TO-14 is a self-confirming method requiring no second detector. It is often considered a more accurate method and the detection limit is in the ppbV range as opposed to the EPA Method 8015B, which has detection limits in the ppmV range. Method 8015B requires confirmation of the analysis on a second column or detector and only allows a 25% difference between the two results. As the results between the two methods differ greatly, and the TO-14 method allows a lower detection limit for the samples, the results from the TO-14 method should be used as the primary data set and the on-site analyses by TEG be used as primarily a screening tool only.

Summary of Soil Vapor Sampling Results

Attachment C

QA/QC Results

AGENCY REVIEW DRAFT

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Sayler Data Solutions

DATA VALIDATION REPORT

Great Western Chemical Soil Vapor Sampling Round - Groundwater Data

Prepared for:
Floyd & Snider, Inc.
83 S. King Street, Suit 614
Seattle, Washington 98104

July 13, 2000

1.0 Introduction

Groundwater samples were collected on April 17 , 2000. Analyses were performed by OnSite Environmental Inc. in Redmond, Washington. Samples were assigned laboratory batch number 0004-101. Data is presented in a laboratory report dated May 11, 2000.

A summary evaluation was performed on the analytical results. Evaluation was performed by Cari Sayler. Numeric quality control criteria for the requirements listed below are presented in the quality control sections of the laboratory report. Data qualifiers are assigned based only on the criteria reviewed and do not include calibration or instrument performance issues unless noted in the laboratory case narrative. Data qualifiers are summarized in section 3.0 of this report.

In the following report, a checked box (☑) indicates that the data requirement was met; and an empty box (☐) indicates that a discussion of the data requirement follows. The data may or may not be qualified.

2.0 Volatile Organic Analyses

Analyses were performed by EPA Method 8260B. The following data requirements were evaluated:

☑ Sample and quality control analysis frequencies
☑ Analysis holding times
☑ Laboratory blank contamination
☑ Surrogate recoveries

☑ Matrix spike (MS) and MS duplicate (MSD) recoveries

☑ MSD relative percent differences (RPDs)

Adequate laboratory quality control samples were analyzed with this laboratory batch. Each analysis was completed within the required holding times.

No blank contamination was detected. All surrogate recoveries were within acceptable recovery limits. All MS and MSD recoveries were within control limits. The MSD relative percent differences (RPDs) were within applicable limits.

The concentration of trichloroethene in samples B-11, B-44, and B-52 exceeded the calibration range of the instrument. These results have been qualified as estimated.

Volatile data qualifiers are summarized in section 3.0 of this report.

3.0 Qualifier Summary Table

Sample ID	Analyte	DV Qualifier	Reason
B-11	Trichloroethene	J	Calibration Range Exceeded
B-44	Trichloroethene	J	Calibration Range Exceeded
B-52	Trichloroethene	J	Calibration Range Exceeded

4.0 Abbreviations and Definitions

DV Qualifier	Definition
J	The analyte was positively identified. The associated numerical value is the approximate concentration of the analyte in the sample.

Abbreviation	Definition
DV	Data Validation
LCS	Laboratory control sample
LCSD	Laboratory control sample duplicate
MS	Matrix spike
MSD	Matrix spike duplicate
RPD	Relative percent difference
Surr	Surrogate

5.0 References

USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review, Office of Emergency and Remedial Response, U.S. Environmental Protection Agency, February 1994, EPA540/R-94/012.

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Sayler Data Solutions

DATA VALIDATION REPORT

Great Western Chemical Soil Vapor Sampling Round - TO-14 Vapor Data

Prepared for:
Floyd & Snider, Inc.
83 S. King Street, Suit 614
Seattle, Washington 98104

July 13, 2000

1.0 Introduction

Soil Vapor samples were collected on April 17 , 2000. Analyses were performed by Environmental Analytical Services, Inc., in San Luis Obispo, California. Samples were assigned laboratory batch number 200171. Data is presented in a laboratory report dated June 5, 2000.

A summary evaluation was performed on the analytical results. Evaluation was performed by Cari Sayler. Numeric quality control criteria for the requirements listed below are presented in the quality control sections of the laboratory report. Data qualifiers are assigned based only on the criteria reviewed and do not include calibration or instrument performance issues unless noted in the laboratory case narrative. Data qualifiers are summarized in section 3.0 of this report.

In the following report, a checked box (☑) indicates that the data requirement was met; and an empty box (☐) indicates that a discussion of the data requirement follows. The data may or may not be qualified.

2.0 Volatile Organic Analyses

Analyses were performed by EPA Method TO-14. The following data requirements were evaluated:

☑ Sample and quality control analysis frequencies
☑ Analysis holding times
☐ Laboratory blank contamination
☑ Surrogate recoveries

☐ Laboratory control sample (LCS) and LCS duplicate (LCD) recoveries

☑ LCS/LCSD relative percent differences (RPDs)

Adequate laboratory quality control samples were analyzed with this laboratory batch. Each analysis was completed within the required holding times.

The method blank analyzed 5/2/00 contained Tetrachloroethene at 0.24 ppbV, and the method blank analyzed 5/3/00 contained Tetrachloroethene at 0.36 ppbV. All associated sample concentrations were greater than 10 times this level, and no qualifiers are assigned.

No other blank contamination was detected. All surrogate recoveries were within acceptable recovery limits.

Chlorobenzene recovery (68%) in the LCSD analyzed 5/3/00 was below the control limit of 70-130%. However, the recovery is only slightly out, and no qualifeirs are assigned.

All other LCS and LCSD recoveries were within control limits. The LCS/LCSD relative percent differences (RPDs) were within applicable limits.

As noted in the case narrative, the percent difference for vinyl chloride (30.1%) in the continuing calibration analyzed 4/28/00 was slightly outside the control limit of +/- 30.0%. No qualifiers are assigned.

The concentration of tetrachloroethene in sample VP58-7 exceeded the calibration range of the instrument. This result has been qualified as estimated.

Volatile data qualifiers are summarized in section 6.0 of this report.

3.0 SIM Vinyl Chloride Analyses

Analyses were performed by EPA Method TO-14/GCMS SIM. The following data requirements were evaluated:

☑ Sample and quality control analysis frequencies

☑ Analysis holding times

☑ Laboratory blank contamination

☑ Laboratory control sample (LCS) and LCS duplicate (LCD) recoveries

☑ LCS/LCSD relative percent differences (RPDs)

Adequate laboratory quality control samples were analyzed with this laboratory batch. Each analysis was completed within the required holding times. No blank contamination was detected. All LCS and LCSD recoveries were within control limits. The LCS/LCSD relative percent differences (RPDs) were within applicable limits.

SIM Vinyl Chloride data are acceptable as reported, and no qualifiers are assigned.

4.0 Hydrocarbon Speciation C2-C5Analyses

Analyses were performed by EPA Method TO-14. The following data requirements were evaluated:

☑ Sample and quality control analysis frequencies
☑ Analysis holding times
☐ Laboratory blank contamination
☑ Laboratory control sample (LCS) and LCS duplicate (LCD) recoveries
☑ LCS/LCSD relative percent differences (RPDs)

Adequate laboratory quality control samples were analyzed with this laboratory batch. Each analysis was completed within the required holding times.

The method blank analyzed 5/10/00 contained Propane at 0.21 ppbV, and the method blank analyzed 5/113/00 contained n-Hexane at 0.19 ppbV. All associated sample concentrations were greater than 10 times these levels, and no qualifiers are assigned.

The method blank analyzed 5/11/00 contained c-2-hexene at 0.14 ppbV. C-2-hexene was also detected in sample VP52-0.25 Dup at an on-column concentration below 10 times the blank level. This result should be considered not detected at the reported concentration and is qualified "U".

No other blank contamination was detected. All LCS and LCSD recoveries were within control limits. The LCS/LCSD relative percent differences (RPDs) were within applicable limits.

Hydrocarbon Speciation data qualifiers are summarized in section 6.0 of this report.

5.0 Methane Analyses

Analyses were performed by ASTM Method 3416. The following data requirements were evaluated:

☑ Sample and quality control analysis frequencies
☑ Analysis holding times
☑ Laboratory blank contamination
☑ Laboratory control sample (LCS) and LCS duplicate (LCD) recoveries
☑ LCS/LCSD relative percent differences (RPDs)

Adequate laboratory quality control samples were analyzed with this laboratory batch. Each analysis was completed within the required holding times. No blank contamination was detected. All LCS and LCSD recoveries were within control limits. The LCS/LCSD relative percent differences (RPDs) were within applicable limits.

Methane data are acceptable as reported, and no qualifiers are assigned.

6.0 Qualifier Summary Table

Sample ID	Analyte	DV Qualifier	Reason
Volatile Organic Analyses			
VP58-7	Tetrachloroethene	J	Calibration Range Exceeded
Hydrocarbon Speciation Analyses			
VP52-0.25 Dup	c-2-Hexene	U	Blank Contamination

7.0 Abbreviations and Definitions

DV Qualifier	Definition
J	The analyte was positively identified. The associated numerical value is the approximate concentration of the analyte in the sample.
U	The material was analyzed for, but was not detected above the level of the associated value. The associated value is either the sample reporting limit or the amount of contaminant detected in the sample.

Abbreviation	Definition
DV	Data Validation
LCS	Laboratory control sample
LCSD	Laboratory control sample duplicate
MS	Matrix spike
MSD	Matrix spike duplicate
RPD	Relative percent difference
Surr	Surrogate

8.0 References

USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review, Office of Emergency and Remedial Response, U.S. Environmental Protection Agency, February 1994, EPA540/R-94/012.

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Sayler Data Solutions

DATA INVESTIGATION REPORT

Great Western Chemical Soil Vapor Sampling Round - 8021B Vapor Vinyl Chloride Results

Prepared for:
Floyd & Snider, Inc.
83 S. King Street, Suit 614
Seattle, Washington 98104

July 13, 2000

1.0 Introduction

StrataProbe and mobile laboratory analyses were performed by Transglobal, Environmental Geosciences Northwest, Inc. of Lacey Washington. Vapor samples were analysed for volatile organic compounds by EPA method 8021B. Results are presented in a laboratory report dated April 20, 2000.

An investigation of vinyl chloride results was performed by Cari Sayler.

2.0 Investigation

Sample chromatograms and quantitation reports were evaluated with respect to sample quantitation, identification, and confirmation. Reported quantitations were based on photoionization detector (PID) results.

Review revealed the following:

- The reported vinyl chloride concentrations were slightly higher than those listed on the quantitation reports.
- Vinyl chloride retention times in some samples differed from the daily standard by more than a typical retention time window and are likely false positives.
- The ending VOC standard (a standard spiked with all target analytes except vinyl chloride) contained a peak in the vinyl chloride retention time window that quantitated to 3.9 ppbV. This peak indicates the presence of either contamination or interferences.
- Reported concentrations in some samples were below the method detection limit and are in the range of instrument background or matrix interferences.

- Vinyl chloride concentrations on the ELCD do not correspond well to the concentrations calculated on the PID.

Discussions and correspondance with the laboratory indicated the following:

- Vinyl chloride concentrations included an incorrect calculation, and were high by 15%.
- Some peaks computer-identified as vinyl chloride do not meet retention time criteria for identification, and vinyl chloride should be considered not detected.
- There is occasional contamination in the VOC standard from Freon, which elutes near vinyl chloride. This type of contamination does not typically affect field samples.
- Concentrations below the method detection limit are often included in field screeing results as a tool for identifying vapor plumes. If confirming higher concentrations are not found, these results are often changed to not detected.
- Closer evaluation of the ELCD chromatograms by the laboratory indicates no significant vinyl chloride. With possibly a few exceptions, PID peaks can be considered not confirmed and the result changed to not detected.

3.0 Conclusions

This data set includes a high number of false positives for vinyl chloride, as well as incorrect quantitations. Data should either be re-evaluated and re-reported by the laboratory, or rejected and not used for any purpose.

Supplemental Remedial Investigation and Feasibility Study

Appendix I

Ambient Air Sampling Analysis Report

AGENCY REVIEW DRAFT

MFG, Inc.
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consulting
scientists and
engineers

August 7, 2000

Mr. Dan McCarthy
Floyd & Snider, Inc.
83 South King Street, Suite 614
Seattle, WA 98104

Dear Mr. McCarthy:

The purpose of this letter is to report the findings of our air sampling effort at the Great Western Chemical Company facility on June 9, 2000 and a subsequent sampling event on July 12, 2000. The June 9 sampling was performed by Sean Williams of our office and the July 12 sampling was performed by Kris Hansen. Performance Analytical, an EPA-certified laboratory, analyzed the samples for both sampling events.

The sampling followed the "Great Western Chemical Company Ambient Air Sampling Event Work Plan", prepared by Floyd and Snider on May 25, 2000 and subsequently amended on the day of the first sampling event, June 9. The Work Plan showing the amendments of June 9 is attached. The main revision was the reduction of the sample height to 6-12 inches above ground, per the request of the Department of Ecology.

On June 9, a total of seven air samples were collected in evacuated stainless-steel canisters. An additional 4 samples were collected on July 12. The canisters were provided to MFG by Performance Analytical prior to the sampling. The laboratory had cleaned, evacuated and certified the canisters to be free of contamination. Although not required by any EPA protocols, Performance Analytical routinely separates canisters used for source sampling and those used for ambient sampling. Even though all canisters are cleaned and certified to be free of contamination, this additional step helps to ensure that ambient samples are not contaminated by the higher concentrations source canisters are exposed to. The canisters used in the current sampling were all ambient canisters.

In addition to providing the canisters themselves, Performance Analytical also provided flow controllers for each of the eleven samples. Flow controllers were set to sample for one hour.

June 9 Sampling Event

The seven samples on June 9 were collected as follows:

Sample No.	Location
1	Upwind of the Great Western Chemical Facility on Fox Avenue near Railroad tracks. Location of this sample 205 inches from well B-20A and 220 inches to railroad tracks, perpendicular to line with B-20A
2	Upwind of the Great Western Chemical Facility on Fox Avenue near Railroad Tracks. Location of this sample 158 inches to Railroad tracks on Fox, perpendicular to tracks, 176" from well B-63
3	At well B58.
4	Duplicate at well B-58
5	Inside warehouse in office.
6	Inside warehouse in change room.
7	Downwind sample. 174 inches from fencepost at north end of Emerson property. 132 inches from Railroad tracks, perpendicular.

Upwind and downwind were determined by the temporary installation of an R.M. Young, Model 5305, wind monitor at the site. The wind monitor was not electrically connected. Rather it was installed as a visual indicator of the wind direction. The MFG sampler noted the direction of the wind as indicated by the direction of the wind monitor throughout the sampling event. For the vast majority of the June 9 sampling event winds were from the southeast. Samples 1 and 2 were south and east of the main warehouse entrance, and were thus classified as upwind samples. Sample 7 was collected at the northwestern corner of the property and was thus termed the downwind sample.

Sampling on June 9 was performed from approximately 8:45 AM to 9:45 AM Pacific Daylight Time. This time was selected to be approximately 8 hours after the highest tide of the day. The highest tide occurred at around midnight the previous night (11:54 PM). A low tide occurred at 6:25 the morning of the 9th and tide was coming in during the sampling with the next high tide occurring at 11:27 AM. Other meteorological conditions were obtained from the University of Washington's archives. Barometric pressure was falling slightly during the sampling event. Temperatures were rising from 53 to 55 degrees F during the sampling event. Wind speeds were from 4 to 7 knots. No precipitation was reported.

The samples were analyzed using EPA method TO-14. Table 1 summarizes the results of the analysis. The laboratory routinely takes duplicate samples from some of the canisters for quality assurance protocols. Samples 2 and 7 were both analyzed twice as shown in Table 1. In addition, the laboratory analyzes method blank samples as a further quality assurance provision. Copies of the full laboratory reports have been attached. Copies of field notes taken by Sean Williams are also attached.

July 12 Sampling Event

Sampling on July 12 was conducted at the indoor locations only. Four samples were collected at the same two indoor locations as the June 9th sampling event, with two samples taken at each location. At each location, one sample was collected at the previous height of 6-12 inches above the floor, while the second sample was collected at a height of 5 feet above the floor. A summary of the samples in the July 12 event is as follows:

Sample No.	
8	Inside warehouse in office, at a height of 6-12 inches above the floor.
9	Inside warehouse in office, at a height of 5 feet above the floor.
10	Inside warehouse in change room, at a height of 6-12 inches above the floor.
11	Inside warehouse in change room, at a height of 5 feet above the floor.

There were no upwind/downwind samples, since all of these samples were collected indoors. The sampling on July 12th was performed from 10:00 through 11:00 AM Pacific Daylight Time. The highest tide occurred at 2:00 AM so the sampling was approximately 8 hours after the highest tide of the day. Low tide occurred at 9:22 AM, so tide was coming in during the sampling, approaching a high tide at 4:46 PM . Other meteorological conditions were obtained from the University of Washington's archives. Barometric pressure was falling during the sampling event. Temperatures were rising from 59 to 64 degrees F during the sampling event. Wind speeds were steady at approximately 5 knots. No precipitation was reported.

The samples were analyzed using EPA method TO-14. Table 1 summarizes the results of the analysis. The laboratory routinely takes duplicate samples from some of the canisters for quality assurance protocols. Sample 11 was analyzed twice as shown in Table 1. In addition, the laboratory analyzes method blank samples as a further quality assurance provision. Copies of the full laboratory reports have been attached. Copies of field notes taken by Kris Hansen are also attached.

If there are questions, please do not hesitate to contact me.

Sincerely,
MFG, Inc.

Kirk D. Winges
Senior Atmospheric Scientist

enc. Table 1 - Summary of Air Sampling Results
Work Plan
Laboratory Report
Field Notes

Table 1 -- Summary of Air Sampling Results

		Initial Sampling Event 6/9/00					Concentration (ug/m3)				Follow-up sampling event on 7-12-00				
	Sample No.:	1	2	2-Duplicate	3	4	5	6	7	7-Duplicate	8	9	10	11	11-Duplicate
CAS No.	Species	Upwind	Upwind	Upwind	Well B-58	Well B-58	Room/Office	Office/Room	Downwind	Downwind	Office/Floor	Office Elevated	Room Elevated	Room Floor	Room Floor
74-87-3	Chloromethane														
75-01-4	Vinyl Chloride														
74-83-9	Bromomethane														
75-00-3	Chloroethane														
67-64-1	Acetone	22.0	7.4	7.5	15.0	13.0	35.0	29.0	12.0	12.0	28.0	28.0	45.0	47.0	49.0
75-69-4	Trichlorofluoromethane	96.0	130.0	130.0	84.0	87.0	14.0	13.0	3.8	3.9	2.3	2.4	3.7	3.7	3.7
75-35-4	1,1-Dichloroethene														
75-09-2	Methylene chloride	8.5	2.6	2.6	8.4	8.8	20.0	43.0	7.9	7.9	14.0	14.0	53.0	58.0	59.0
76-13-1	Trichlorotrifluoroethane	0.7 TR	0.8 TR	0.8 TR	0.8 TR	0.8 TR	0.8 TR	0.8 TR	0.8 TR	0.8 TR	0.7 TR		0.7 TR		
75-15-0	Carbon Disulfide						2.2	2.0	1.8	1.8	4.1				
156-60-5	trans-1,2-Dichloroethene														
75-34-3	1,1-Dichloroethane														
1634-04-4	Methyl tert-Butyl Ether														
108-05-4	Vinyl Acetate														
78-93-3	2-Butanone	4.7	3.4	3.5	5.6	3.8	4.8	4.2	4.1	3.9	16.0	5.0	4.1	7.8	7.9
156-59-2	cis-1,2-Dichloroethene						4.6	11.0			3.0	2.9	14.0	14.0	14.0
67-66-3	Chloroform						4.6	5.1			19.0	17.0	25.0	25.0	26.0
107-06-2	1,2-Dichloroethane														
71-55-6	1,1,1-Trichloroethane						1.2	1.4			0.9 TR	1.0	2.1	2.3	2.3
71-43-2	Benzene	3.0	3.0	3.1	4.0	4.0	6.2	9.8	2.0	2.0	4.7	4.7	14.0	14.0	14.0
56-23-5	Carbon Tetrachloride							0.7 TR			0.9 TR		1.1	1.1	1.1
78-87-5	1,2-Dichloropropane														
75-27-4	Bromodichloromethane														
79-01-6	Trichloroethene						13.0	22.0			12.0	11.0	32.0	33.0	33.0
10061-01-5	cis-1,3-Dichloropropene														
108-10-1	4-Methyl-2-pentanone						13.0	1.7			3.4	0.9 TR	1.0 TR	2.1	2.2
10061-02-6	trans-1,3-Dichloropropene														
79-00-5	1,1,2-Trichloroethane														
108-88-3	Toluene	20.0	24.0	24.0	26.0	22.0	43.0	75.0	20.0	20.0	31.0	28.0	96.0	98.0	100.0
591-78-6	2-Hexanone														
124-48-1	Dibromochloromethane														
106-93-4	1,2-Dibromoethane														
127-18-4	Tetrachloroethene	1.3	0.8 TR	0.8 TR	2.7	2.6	82.0	100.0	2.9	2.9	55.0	60.0	130.0	140.0	140.0
108-90-7	Chlorobenzene														
100-41-4	Ethylbenzene	7.1	8.0	8.3	7.6	7.2	8.6	14.0	5.1	5.1	4.9	4.8	20.0	20.0	20.0
1330-20-7	m- & p-Xylenes	29.0	27.0	29.0	30.0	28.0	36.0	61.0	20.0	20.0	21.0	20.0	85.0	87.0	88.0
75-25-2	Bromoform														
100-42-5	Styrene	3.3	4.3	4.6	4.2	4.6	1.8	1.3	1.0	1.0		0.9 TR	1.3	1.5	1.4
95-47-6	o-Xylene	9.8	7.9	8.5	10.0	9.8	11.0	17.0	6.9	6.9	6.4	6.3	24.0	24.0	24.0
79-34-5	1,1,2,2-Tetrachloroethane														
541-73-1	1,3-Dichlorobenzene														
106-46-7	1,4-Dichlorobenzene							1.4							
95-50-1	1,2-Dichlorobenzene														

TR - trace result. Concentration is below reporting limit of 1.0 ug/m3 for all compounds.

Work Plan

Floyd & Snider, Inc.

Great Western Chemical Company
Ambient Air Sampling Event
Work Plan

BACKGROUND

Great Western Chemical Company (GWCC) has performed investigations as part of the supplemental remedial investigation (SRI) under a MTCA order, and has determined that additional data is needed to complete the SRI. A variety of soil, water and ambient air samples have been obtained on the GWCC property and on adjacent properties. Some groundwater samples have contained volatile organic compounds (VOCs), including tetrachloroethene, trichloroethene, 1,1,1-trichloroethane, 1,2-dichloroethene, 1,1-dichloroethene, 1,2-dichloroethane and vinyl chloride. In the area where groundwater contains these compounds the ground surfaces are paved or consist of compacted sub-grade materials.

OBJECTIVE

This objective of this work is to collect and analyze screening-level ambient air samples from five locations above and in the vicinity of locations where groundwater contains VOCs and from two locations within the GWCC facility. The ambient air samples collected will be analyzed for the VOC constituents listed above. The concentrations found are expected to be in a range that will approach the practical quantification limit (using standard methods) for each analyte.

The data collected will be used as an initial screening of ambient air conditions and will be used to evaluate whether the VOCs of interest may be present (at the locations sampled) at concentrations that exceed levels associated with urban background conditions.

APPROACH TO SAMPLING

Kirk Winges, of McCulley, Frick & Gilman Inc. (MFG, Inc.) has been selected to conduct this work because of his experience in the design and collection of air samples. MFG will work as a subconsultant to FSI.

Air samples will be collected in evacuated stainless steel canisters. Canisters will be obtained from a certified laboratory. The laboratory will be advised that these air samples are expected to be ambient air samples, not source samples. Canisters will be those designated for ambient sampling to avoid canister contamination issues. The canisters will be fitted with flow controllers so that a time-integrated sample is collected. A one-hour collection time is proposed.

The project team will select the final locations for ambient air sampling. A total of 6 locations are proposed. One sample will be collected above well B-58, two samples will collected from locations upwind of well B-58, one sample will be collected immediately downwind of well B-58, ~~and another will be located along the railroad track directly south of well B-58.~~ Samples will be

N. Mulcahy 6/9/00

Floyd & Snider, Inc.

taken simultaneously, at a ~~breathing air~~ height above the ground level. One additional sample will be obtained at well B-58, approximately ~~12 inches~~ above the ground. Two samples will be obtained from within the GWCC facility. One sample will be obtained from a room on the lower level (nearest the source of groundwater contamination). A second sample will be obtained from an office location that is usually occupied (longest period of potential exposure).

N. Mulcahy 6/9/00

The date and time of sample collection will be based primarily on weather conditions. Ideally, the samples will be collected during dry conditions, with a steady but low velocity wind. High wind, calm, heavy precipitation and highly variable conditions will be avoided. Samples will be collected as close to 8 hours after high tide as is practicable.

ANALYTICAL WORK

Once the samples have been collected, they will be shipped to a laboratory for immediate analysis. The samples will be analyzed using EPA method TO-14, including a request for tentatively identified compounds (TICs). A selective ion monitoring (SIM) approach will be considered for vinyl chloride analyses. Detection limits of 1.0 ppb are typical for such ambient samples. The laboratory is expected to report results within 10 days of receiving samples.

PROJECT SCHEDULE

The samples are to be obtained during the week of ~~May 29~~ June 5, 2000. N. Mulcahy 6/9/00

DELIVERABLES

A brief report that summarizes the work will be prepared. This report will include (1) a summary of the work conducted, (2) the procedures used to collect the samples, (3) a description of the way in which the samples were analyzed, and (4) the results that were obtained and other relevant information (e.g., barometric pressure, tides).

consulting
scientists and
engineers

COPY

MFG, Inc.
19203 36th Avenue W., Suite 101
Lynnwood, WA 98036-5707
425/ 921-4000
Fax: 921-4040

July 3, 2000

Mr. Dan McCarthy
Floyd & Snider, Inc.
83 South King Street, Suite 614
Seattle, WA 98104

Dear Mr. McCarthy:

MFG is pleased to respond to your request for a proposal to conduct additional sampling at the Great Western Chemical facility in Seattle. We understand the purpose of the additional sampling is to augment and/or confirm sampling at indoor locations conducted in June. Since you are familiar with our personnel from the previous effort, I have made this letter proposal very brief. If you desire additional information, it can be provided at your request.

Scope of Work

Four cleaned, evacuated and certified gas canisters will be obtained from the same laboratory as the previous sampling (Performance Analytical). In addition, four flow controllers set for 1 hour sampling as before will be obtained. Sampling will be performed at the two indoor locations, per your request. Two samples will be obtained at each location: one sample from approximately 1 foot above the floor, and the other sample at a "breathing air" height (approximately 5 feet) above the floor. Samples will be marked for 3 day turn-around (30% surcharge). MFG will receive the canisters, collect the samples, return the canisters to the laboratory, and summarize the sampling results in a brief letter report.

Management and Personnel

The entire project will be under my direction. The actual samples will be collected by Mr. Kris Hansen.

Schedule and Costs

We are prepared to commence work on the project immediately upon receipt of authorization to proceed. We will schedule a sample time with you. Costs are summarized in Table 1.

Laboratory Report

Performance Analytical Inc.
Air Quality Laboratory
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LABORATORY REPORT

Client:	MFG, INC.	Date of Report:	06/20/00
Address:	19203 36th Avenue West, Suite 101	Date Received:	06/12/00
	Lynnwood, WA 98036	PAI Project No:	P2001425
Contact:	Mr. Kirk Winges	Purchase Order:	Verbal

Client Project ID: Great Western Chem Air Sampling #9525

Seven (7) Stainless Steel Summa Canisters labeled: "9525-01" through "9525-07"

The samples were received at the laboratory under chain of custody on June 12, 2000. The samples were received intact. The client requested and received 3 day rush results. The dates of analysis are indicated on the attached data sheets.

Volatile Organic Compound Analysis

The samples were analyzed by combined gas chromatography/mass spectrometry (GC/MS) for volatile organic compounds. The analyses were performed according to the methodology outlined in EPA Method TO-14A. The analyses were performed by gas chromatography/mass spectrometry, utilizing a direct cryogenic trapping technique. The analytical system used was comprised of a Hewlett Packard Model 5973 GC/MS/DS interfaced to a Tekmar AutoCan Elite whole air inlet system/cryogenic concentrator. A 100% Dimethylpolysiloxane capillary column (RT_x-1, Restek Corporation, Bellefonte, PA) was used to achieve chromatographic separation.

The results of analyses are given on the attached data sheets.

Reviewed and Approved:

Cindy Yoon
Analytical Chemist

Reviewed and Approved:

Chris Parnell
Senior Chemist

Performance Analytical Inc.
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RESULTS OF ANALYSIS

Client : MFG, Inc.

Client Sample ID : 9525-01
PAI Sample ID : P2001425-001

Test Code : GC/MS EPA TO-14A
Analyst : Cindy Yoon/Wade Henton
Instrument : HP5973/Tekmar AUTOCan Elite
Matrix : Summa Canister
Canister ID : #01232

Date Sampled : 6/9/00
Date Received : 6/12/00
Date Analyzed : 6/12/00
Volume(s) Analyzed : 1.00 Liter

Pi 1 = 0.0 Pf 1 = 3.5
D.F. = 1.24

CAS #	COMPOUND	RESULT µg/m³	REPORTING LIMIT µg/m³	RESULT ppb	REPORTING LIMIT ppb
74-87-3	Chloromethane	ND	1.0	ND	0.48
75-01-4	Vinyl Chloride	ND	1.0	ND	0.39
74-83-9	Bromomethane	ND	1.0	ND	0.26
75-00-3	Chloroethane	ND	1.0	ND	0.38
67-64-1	Acetone	22	1.0	9.2	0.42
75-69-4	Trichlorofluoromethane	96	1.0	17	0.18
75-35-4	1,1-Dichloroethene	ND	1.0	ND	0.25
75-09-2	Methylene chloride	8.5	1.0	2.5	0.29
76-13-1	Trichlorotrifluoroethane	0.71 TR	1.0	0.09 TR	0.13
75-15-0	Carbon Disulfide	ND	1.0	ND	0.32
156-60-5	trans-1,2-Dichloroethene	ND	1.0	ND	0.25
75-34-3	1,1-Dichloroethane	ND	1.0	ND	0.25
1634-04-4	Methyl tert-Butyl Ether	ND	1.0	ND	0.28
108-05-4	Vinyl Acetate	ND	1.0	ND	0.28
78-93-3	2-Butanone	4.7	1.0	1.6	0.34
156-59-2	cis-1,2-Dichloroethene	ND	1.0	ND	0.25
67-66-3	Chloroform	ND	1.0	ND	0.20
107-06-2	1,2-Dichloroethane	ND	1.0	ND	0.25
71-55-6	1,1,1-Trichloroethane	ND	1.0	ND	0.18
71-43-2	Benzene	3.0	1.0	0.94	0.31
56-23-5	Carbon Tetrachloride	ND	1.0	ND	0.16
78-87-5	1,2-Dichloropropane	ND	1.0	ND	0.22

TR = Detected Below Indicated Reporting Limit
ND = Not Detected

Verified By: JC Date: 6/15/00

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RESULTS OF ANALYSIS

Client : MFG, Inc.

Client Sample ID : 9525-01
PAI Sample ID : P2001425-001

Test Code : GC/MS EPA TO-14A
Analyst : Cindy Yoon/Wade Henton
Instrument : HP5973/Tekmar AUTOCan Elite
Matrix : Summa Canister
Canister ID : #01232

Date Sampled : 6/9/00
Date Received : 6/12/00
Date Analyzed : 6/12/00
Volume(s) Analyzed : 1.00 Liter

Pi 1 = 0.0 Pf 1 = 3.5
D.F. = 1.24

CAS #	COMPOUND	RESULT µg/m³	REPORTING LIMIT µg/m³	RESULT ppb	REPORTING LIMIT ppb
75-27-4	Bromodichloromethane	ND	1.0	ND	0.15
79-01-6	Trichloroethene	ND	1.0	ND	0.19
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	ND	0.22
108-10-1	4-Methyl-2-pentanone	ND	1.0	ND	0.24
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	ND	0.22
79-00-5	1,1,2-Trichloroethane	ND	1.0	ND	0.18
108-88-3	Toluene	20	1.0	5.3	0.27
591-78-6	2-Hexanone	ND	1.0	ND	0.24
124-48-1	Dibromochloromethane	ND	1.0	ND	0.12
106-93-4	1,2-Dibromoethane	ND	1.0	ND	0.13
127-18-4	Tetrachloroethene	1.3	1.0	0.19	0.15
108-90-7	Chlorobenzene	ND	1.0	ND	0.22
100-41-4	Ethylbenzene	7.1	1.0	1.6	0.23
1330-20-7	m- & p-Xylenes	29	1.0	6.7	0.23
75-25-2	Bromoform	ND	1.0	ND	0.10
100-42-5	Styrene	3.3	1.0	0.78	0.23
95-47-6	o-Xylene	9.8	1.0	2.2	0.23
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	ND	0.15
541-73-1	1,3-Dichlorobenzene	ND	1.0	ND	0.17
106-46-7	1,4-Dichlorobenzene	ND	1.0	ND	0.17
95-50-1	1,2-Dichlorobenzene	ND	1.0	ND	0.17

TR = Detected Below Indicated Reporting Limit
ND = Not Detected

Verified By: JC Date: 6/15/00

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RESULTS OF ANALYSIS

Client : MFG, Inc.

Client Sample ID : 9525-02
PAI Sample ID : P2001425-002

Test Code : GC/MS EPA TO-14A
Analyst : Cindy Yoon/Wade Henton
Instrument : HP5973/Tekmar AUTOCan Elite
Matrix : Summa Canister
Canister ID : #01186

Date Sampled : 6/9/00
Date Received : 6/12/00
Date Analyzed : 6/12/00
Volume(s) Analyzed : 1.00 Liter

Pi 1 = 0.7 Pf 1 = 3.5
D.F. = 1.18

CAS #	COMPOUND	RESULT µg/m³	REPORTING LIMIT µg/m³	RESULT ppb	REPORTING LIMIT ppb
74-87-3	Chloromethane	ND	1.0	ND	0.48
75-01-4	Vinyl Chloride	ND	1.0	ND	0.39
74-83-9	Bromomethane	ND	1.0	ND	0.26
75-00-3	Chloroethane	ND	1.0	ND	0.38
67-64-1	Acetone	7.4	1.0	3.1	0.42
75-69-4	Trichlorofluoromethane	130	1.0	23	0.18
75-35-4	1,1-Dichloroethene	ND	1.0	ND	0.25
75-09-2	Methylene chloride	2.6	1.0	0.75	0.29
76-13-1	Trichlorotrifluoroethane	0.76 TR	1.0	0.10 TR	0.13
75-15-0	Carbon Disulfide	ND	1.0	ND	0.32
156-60-5	trans-1,2-Dichloroethene	ND	1.0	ND	0.25
75-34-3	1,1-Dichloroethane	ND	1.0	ND	0.25
1634-04-4	Methyl tert-Butyl Ether	ND	1.0	ND	0.28
108-05-4	Vinyl Acetate	ND	1.0	ND	0.28
78-93-3	2-Butanone	3.4	1.0	1.2	0.34
156-59-2	cis-1,2-Dichloroethene	ND	1.0	ND	0.25
67-66-3	Chloroform	ND	1.0	ND	0.20
107-06-2	1,2-Dichloroethane	ND	1.0	ND	0.25
71-55-6	1,1,1-Trichloroethane	ND	1.0	ND	0.18
71-43-2	Benzene	3.0	1.0	0.94	0.31
56-23-5	Carbon Tetrachloride	ND	1.0	ND	0.16
78-87-5	1,2-Dichloropropane	ND	1.0	ND	0.22

TR = Detected Below Indicated Reporting Limit
ND = Not Detected

Verified By: JC Date: 6/15/00

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RESULTS OF ANALYSIS

Client : MFG, Inc.

Client Sample ID : 9525-02
PAI Sample ID : P2001425-002

Test Code : GC/MS EPA TO-14A
Analyst : Cindy Yoon/Wade Henton
Instrument : HP5973/Tekmar AUTOCan Elite
Matrix : Summa Canister
Canister ID : #01186

Date Sampled : 6/9/00
Date Received : 6/12/00
Date Analyzed : 6/12/00
Volume(s) Analyzed : 1.00 Liter

Pi 1 = 0.7 Pf 1 = 3.5
D.F. = 1.18

CAS #	COMPOUND	RESULT µg/m³	REPORTING LIMIT µg/m³	RESULT ppb	REPORTING LIMIT ppb
75-27-4	Bromodichloromethane	ND	1.0	ND	0.15
79-01-6	Trichloroethene	ND	1.0	ND	0.19
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	ND	0.22
108-10-1	4-Methyl-2-pentanone	ND	1.0	ND	0.24
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	ND	0.22
79-00-5	1,1,2-Trichloroethane	ND	1.0	ND	0.18
108-88-3	Toluene	24	1.0	6.3	0.27
591-78-6	2-Hexanone	ND	1.0	ND	0.24
124-48-1	Dibromochloromethane	ND	1.0	ND	0.12
106-93-4	1,2-Dibromoethane	ND	1.0	ND	0.13
127-18-4	Tetrachloroethene	0.76 TR	1.0	0.11 TR	0.15
108-90-7	Chlorobenzene	ND	1.0	ND	0.22
100-41-4	Ethylbenzene	8.0	1.0	1.8	0.23
1330-20-7	m- & p-Xylenes	27	1.0	6.2	0.23
75-25-2	Bromoform	ND	1.0	ND	0.10
100-42-5	Styrene	4.3	1.0	1.0	0.23
95-47-6	o-Xylene	7.9	1.0	1.8	0.23
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	ND	0.15
541-73-1	1,3-Dichlorobenzene	ND	1.0	ND	0.17
106-46-7	1,4-Dichlorobenzene	ND	1.0	ND	0.17
95-50-1	1,2-Dichlorobenzene	ND	1.0	ND	0.17

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RESULTS OF ANALYSIS

Client : MFG, Inc.

Client Sample ID : 9525-02
PAI Sample ID : P2001425-002DUP

Test Code : GC/MS EPA TO-14A
Analyst : Cindy Yoon/Wade Henton
Instrument : HP5973/Tekmar AUTOCan Elite
Matrix : Summa Canister
Canister ID : #01186

Date Sampled : 6/9/00
Date Received : 6/12/00
Date Analyzed : 6/12/00
Volume(s) Analyzed : 1.00 Liter

Pi 1 = 0.7 Pf 1 = 3.5
D.F. = 1.18

CAS #	COMPOUND	RESULT µg/m³	REPORTING LIMIT µg/m³	RESULT ppb	REPORTING LIMIT ppb
74-87-3	Chloromethane	ND	1.0	ND	0.48
75-01-4	Vinyl Chloride	ND	1.0	ND	0.39
74-83-9	Bromomethane	ND	1.0	ND	0.26
75-00-3	Chloroethane	ND	1.0	ND	0.38
67-64-1	Acetone	7.5	1.0	3.2	0.42
75-69-4	Trichlorofluoromethane	130	1.0	24	0.18
75-35-4	1,1-Dichloroethene	ND	1.0	ND	0.25
75-09-2	Methylene chloride	2.6	1.0	0.75	0.29
76-13-1	Trichlorotrifluoroethane	0.80 TR	1.0	0.10 TR	0.13
75-15-0	Carbon Disulfide	ND	1.0	ND	0.32
156-60-5	trans-1,2-Dichloroethene	ND	1.0	ND	0.25
75-34-3	1,1-Dichloroethane	ND	1.0	ND	0.25
1634-04-4	Methyl tert-Butyl Ether	ND	1.0	ND	0.28
108-05-4	Vinyl Acetate	ND	1.0	ND	0.28
78-93-3	2-Butanone	3.5	1.0	1.2	0.34
156-59-2	cis-1,2-Dichloroethene	ND	1.0	ND	0.25
67-66-3	Chloroform	ND	1.0	ND	0.20
107-06-2	1,2-Dichloroethane	ND	1.0	ND	0.25
71-55-6	1,1,1-Trichloroethane	ND	1.0	ND	0.18
71-43-2	Benzene	3.1	1.0	0.96	0.31
56-23-5	Carbon Tetrachloride	ND	1.0	ND	0.16
78-87-5	1,2-Dichloropropane	ND	1.0	ND	0.22

TR = Detected Below Indicated Reporting Limit
ND = Not Detected

Verified By: JC Date: 6/15/00

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RESULTS OF ANALYSIS

Client : MFG, Inc.

Client Sample ID : 9525-02
PAI Sample ID : P2001425-002DUP

Test Code : GC/MS EPA TO-14A
Analyst : Cindy Yoon/Wade Henton
Instrument : HP5973/Tekmar AUTOCan Elite
Matrix : Summa Canister
Canister ID : #01186

Date Sampled : 6/9/00
Date Received : 6/12/00
Date Analyzed : 6/12/00
Volume(s) Analyzed : 1.00 Liter

Pi 1 = 0.7 Pf 1 = 3.5
D.F. = 1.18

CAS #	COMPOUND	RESULT µg/m³	REPORTING LIMIT µg/m³	RESULT ppb	REPORTING LIMIT ppb
75-27-4	Bromodichloromethane	ND	1.0	ND	0.15
79-01-6	Trichloroethene	ND	1.0	ND	0.19
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	ND	0.22
108-10-1	4-Methyl-2-pentanone	ND	1.0	ND	0.24
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	ND	0.22
79-00-5	1,1,2-Trichloroethane	ND	1.0	ND	0.18
108-88-3	Toluene	24	1.0	6.5	0.27
591-78-6	2-Hexanone	ND	1.0	ND	0.24
124-48-1	Dibromochloromethane	ND	1.0	ND	0.12
106-93-4	1,2-Dibromoethane	ND	1.0	ND	0.13
127-18-4	Tetrachloroethene	0.80 TR	1.0	0.12 TR	0.15
108-90-7	Chlorobenzene	ND	1.0	ND	0.22
100-41-4	Ethylbenzene	8.3	1.0	1.9	0.23
1330-20-7	m- & p-Xylenes	29	1.0	6.6	0.23
75-25-2	Bromoform	ND	1.0	ND	0.10
100-42-5	Styrene	4.6	1.0	1.1	0.23
95-47-6	o-Xylene	8.5	1.0	2.0	0.23
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	ND	0.15
541-73-1	1,3-Dichlorobenzene	ND	1.0	ND	0.17
106-46-7	1,4-Dichlorobenzene	ND	1.0	ND	0.17
95-50-1	1,2-Dichlorobenzene	ND	1.0	ND	0.17

TR = Detected Below Indicated Reporting Limit
ND = Not Detected

Verified By: JC Date: 6/15/00

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RESULTS OF ANALYSIS

Client : MFG, Inc.

Client Sample ID : 9525-03
PAI Sample ID : P2001425-003

Test Code : GC/MS EPA TO-14A
Analyst : Cindy Yoon/Wade Henton
Instrument : HP5973/Tekmar AUTOCan Elite
Matrix : Summa Canister
Canister ID : #01343

Date Sampled : 6/9/00
Date Received : 6/12/00
Date Analyzed : 6/13/00
Volume(s) Analyzed : 1.00 Liter

Pi 1 = -0.2 Pf 1 = 3.5
D.F. = 1.26

CAS #	COMPOUND	RESULT µg/m³	REPORTING LIMIT µg/m³	RESULT ppb	REPORTING LIMIT ppb
74-87-3	Chloromethane	ND	1.0	ND	0.48
75-01-4	Vinyl Chloride	ND	1.0	ND	0.39
74-83-9	Bromomethane	ND	1.0	ND	0.26
75-00-3	Chloroethane	ND	1.0	ND	0.38
67-64-1	Acetone	15	1.0	6.2	0.42
75-69-4	Trichlorofluoromethane	84	1.0	15	0.18
75-35-4	1,1-Dichloroethene	ND	1.0	ND	0.25
75-09-2	Methylene chloride	8.4	1.0	2.4	0.29
76-13-1	Trichlorotrifluoroethane	0.81 TR	1.0	0.11 TR	0.13
75-15-0	Carbon Disulfide	ND	1.0	ND	0.32
156-60-5	trans-1,2-Dichloroethene	ND	1.0	ND	0.25
75-34-3	1,1-Dichloroethane	ND	1.0	ND	0.25
1634-04-4	Methyl tert-Butyl Ether	ND	1.0	ND	0.28
108-05-4	Vinyl Acetate	ND	1.0	ND	0.28
78-93-3	2-Butanone	5.6	1.0	1.9	0.34
156-59-2	cis-1,2-Dichloroethene	ND	1.0	ND	0.25
67-66-3	Chloroform	ND	1.0	ND	0.20
107-06-2	1,2-Dichloroethane	ND	1.0	ND	0.25
71-55-6	1,1,1-Trichloroethane	ND	1.0	ND	0.18
71-43-2	Benzene	4.0	1.0	1.3	0.31
56-23-5	Carbon Tetrachloride	ND	1.0	ND	0.16
78-87-5	1,2-Dichloropropane	ND	1.0	ND	0.22

TR = Detected Below Indicated Reporting Limit
ND = Not Detected

Verified By: JC Date: 6/15/00

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RESULTS OF ANALYSIS

Client : MFG, Inc.

Client Sample ID : 9525-03
PAI Sample ID : P2001425-003

Test Code : GC/MS EPA TO-14A
Analyst : Cindy Yoon/Wade Henton
Instrument : HP5973/Tekmar AUTOCan Elite
Matrix : Summa Canister
Canister ID : #01343

Date Sampled : 6/9/00
Date Received : 6/12/00
Date Analyzed : 6/13/00
Volume(s) Analyzed : 1.00 Liter

Pi 1 = -0.2 Pf 1 = 3.5
D.F. = 1.26

CAS #	COMPOUND	RESULT µg/m³	REPORTING LIMIT µg/m³	RESULT ppb	REPORTING LIMIT ppb
75-27-4	Bromodichloromethane	ND	1.0	ND	0.15
79-01-6	Trichloroethene	ND	1.0	ND	0.19
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	ND	0.22
108-10-1	4-Methyl-2-pentanone	ND	1.0	ND	0.24
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	ND	0.22
79-00-5	1,1,2-Trichloroethane	ND	1.0	ND	0.18
108-88-3	Toluene	26	1.0	6.9	0.27
591-78-6	2-Hexanone	ND	1.0	ND	0.24
124-48-1	Dibromochloromethane	ND	1.0	ND	0.12
106-93-4	1,2-Dibromoethane	ND	1.0	ND	0.13
127-18-4	Tetrachloroethene	2.7	1.0	0.39	0.15
108-90-7	Chlorobenzene	ND	1.0	ND	0.22
100-41-4	Ethylbenzene	7.6	1.0	1.8	0.23
1330-20-7	m- & p-Xylenes	30	1.0	6.9	0.23
75-25-2	Bromoform	ND	1.0	ND	0.10
100-42-5	Styrene	4.2	1.0	0.98	0.23
95-47-6	o-Xylene	10	1.0	2.4	0.23
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	ND	0.15
541-73-1	1,3-Dichlorobenzene	ND	1.0	ND	0.17
106-46-7	1,4-Dichlorobenzene	ND	1.0	ND	0.17
95-50-1	1,2-Dichlorobenzene	ND	1.0	ND	0.17

TR = Detected Below Indicated Reporting Limit
ND = Not Detected

Verified By: JC Date: 6/15/00

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RESULTS OF ANALYSIS

Client : MFG, Inc.

Client Sample ID : 9525-04
PAI Sample ID : P2001425-004

Test Code : GC/MS EPA TO-14A
Analyst : Cindy Yoon/Wade Henton
Instrument : HP5973/Tekmar AUTOCan Elite
Matrix : Summa Canister
Canister ID : #01166

Date Sampled : 6/9/00
Date Received : 6/12/00
Date Analyzed : 6/13/00
Volume(s) Analyzed : 1.00 Liter

Pi 1 = -1.8 Pf 1 = 3.5
D.F. = 1.41

CAS #	COMPOUND	RESULT µg/m³	REPORTING LIMIT µg/m³	RESULT ppb	REPORTING LIMIT ppb
74-87-3	Chloromethane	ND	1.0	ND	0.48
75-01-4	Vinyl Chloride	ND	1.0	ND	0.39
74-83-9	Bromomethane	ND	1.0	ND	0.26
75-00-3	Chloroethane	ND	1.0	ND	0.38
67-64-1	Acetone	13	1.0	5.6	0.42
75-69-4	Trichlorofluoromethane	87	1.0	15	0.18
75-35-4	1,1-Dichloroethene	ND	1.0	ND	0.25
75-09-2	Methylene chloride	8.8	1.0	2.5	0.29
76-13-1	Trichlorotrifluoroethane	0.80 TR	1.0	0.10 TR	0.13
75-15-0	Carbon Disulfide	ND	1.0	ND	0.32
156-60-5	trans-1,2-Dichloroethene	ND	1.0	ND	0.25
75-34-3	1,1-Dichloroethane	ND	1.0	ND	0.25
1634-04-4	Methyl tert-Butyl Ether	ND	1.0	ND	0.28
108-05-4	Vinyl Acetate	ND	1.0	ND	0.28
78-93-3	2-Butanone	3.8	1.0	1.3	0.34
156-59-2	cis-1,2-Dichloroethene	ND	1.0	ND	0.25
67-66-3	Chloroform	ND	1.0	ND	0.20
107-06-2	1,2-Dichloroethane	ND	1.0	ND	0.25
71-55-6	1,1,1-Trichloroethane	ND	1.0	ND	0.18
71-43-2	Benzene	4.0	1.0	1.2	0.31
56-23-5	Carbon Tetrachloride	ND	1.0	ND	0.16
78-87-5	1,2-Dichloropropane	ND	1.0	ND	0.22

TR = Detected Below Indicated Reporting Limit
ND = Not Detected

Verified By: JC Date: 6/15/00

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RESULTS OF ANALYSIS

Client : MFG, Inc.

Client Sample ID : 9525-04
PAI Sample ID : P2001425-004

Test Code : GC/MS EPA TO-14A
Analyst : Cindy Yoon/Wade Henton
Instrument : HP5973/Tekmar AUTOCan Elite
Matrix : Summa Canister
Canister ID : #01166

Date Sampled : 6/9/00
Date Received : 6/12/00
Date Analyzed : 6/13/00
Volume(s) Analyzed : 1.00 Liter

Pi 1 = -1.8 Pf 1 = 3.5
D.F. = 1.41

CAS #	COMPOUND	RESULT µg/m³	REPORTING LIMIT µg/m³	RESULT ppb	REPORTING LIMIT ppb
75-27-4	Bromodichloromethane	ND	1.0	ND	0.15
79-01-6	Trichloroethene	ND	1.0	ND	0.19
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	ND	0.22
108-10-1	4-Methyl-2-pentanone	ND	1.0	ND	0.24
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	ND	0.22
79-00-5	1,1,2-Trichloroethane	ND	1.0	ND	0.18
108-88-3	Toluene	22	1.0	5.7	0.27
591-78-6	2-Hexanone	ND	1.0	ND	0.24
124-48-1	Dibromochloromethane	ND	1.0	ND	0.12
106-93-4	1,2-Dibromoethane	ND	1.0	ND	0.13
127-18-4	Tetrachloroethene	2.6	1.0	0.38	0.15
108-90-7	Chlorobenzene	ND	1.0	ND	0.22
100-41-4	Ethylbenzene	7.2	1.0	1.7	0.23
1330-20-7	m- & p-Xylenes	28	1.0	6.5	0.23
75-25-2	Bromoform	ND	1.0	ND	0.10
100-42-5	Styrene	4.6	1.0	1.1	0.23
95-47-6	o-Xylene	9.8	1.0	2.2	0.23
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	ND	0.15
541-73-1	1,3-Dichlorobenzene	ND	1.0	ND	0.17
106-46-7	1,4-Dichlorobenzene	ND	1.0	ND	0.17
95-50-1	1,2-Dichlorobenzene	ND	1.0	ND	0.17

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RESULTS OF ANALYSIS

Client : MFG, Inc.

Client Sample ID : 9525-05
PAI Sample ID : P2001425-005

Test Code : GC/MS EPA TO-14A
Analyst : Cindy Yoon/Wade Henton
Instrument : HP5973/Tekmar AUTOCan Elite
Matrix : Summa Canister
Canister ID : #01344

Date Sampled : 6/9/00
Date Received : 6/12/00
Date Analyzed : 6/13/00
Volume(s) Analyzed : 1.00 Liter

Pi 1 = -3.4 Pf 1 = 3.5
D.F. = 1.61

CAS #	COMPOUND	RESULT µg/m³	REPORTING LIMIT µg/m³	RESULT ppb	REPORTING LIMIT ppb
74-87-3	Chloromethane	ND	1.0	ND	0.48
75-01-4	Vinyl Chloride	ND	1.0	ND	0.39
74-83-9	Bromomethane	ND	1.0	ND	0.26
75-00-3	Chloroethane	ND	1.0	ND	0.38
67-64-1	Acetone	35	1.0	15	0.42
75-69-4	Trichlorofluoromethane	14	1.0	2.5	0.18
75-35-4	1,1-Dichloroethene	ND	1.0	ND	0.25
75-09-2	Methylene chloride	20	1.0	5.8	0.29
76-13-1	Trichlorotrifluoroethane	0.82 TR	1.0	0.11 TR	0.13
75-15-0	Carbon Disulfide	2.2	1.0	0.69	0.32
156-60-5	trans-1,2-Dichloroethene	ND	1.0	ND	0.25
75-34-3	1,1-Dichloroethane	ND	1.0	ND	0.25
1634-04-4	Methyl tert-Butyl Ether	ND	1.0	ND	0.28
108-05-4	Vinyl Acetate	ND	1.0	ND	0.28
78-93-3	2-Butanone	4.8	1.0	1.6	0.34
156-59-2	cis-1,2-Dichloroethene	4.6	1.0	1.2	0.25
67-66-3	Chloroform	4.6	1.0	0.94	0.20
107-06-2	1,2-Dichloroethane	ND	1.0	ND	0.25
71-55-6	1,1,1-Trichloroethane	1.2	1.0	0.22	0.18
71-43-2	Benzene	6.2	1.0	2.0	0.31
56-23-5	Carbon Tetrachloride	ND	1.0	ND	0.16
78-87-5	1,2-Dichloropropane	ND	1.0	ND	0.22

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ND = Not Detected

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RESULTS OF ANALYSIS

Client : MFG, Inc.

Client Sample ID : 9525-05
PAI Sample ID : P2001425-005

Test Code : GC/MS EPA TO-14A
Analyst : Cindy Yoon/Wade Henton
Instrument : HP5973/Tekmar AUTOCan Elite
Matrix : Summa Canister
Canister ID : #01344

Date Sampled : 6/9/00
Date Received : 6/12/00
Date Analyzed : 6/13/00
Volume(s) Analyzed : 1.00 Liter

Pi 1 = -3.4 Pf 1 = 3.5
D.F. = 1.61

CAS #	COMPOUND	RESULT µg/m³	REPORTING LIMIT µg/m³	RESULT ppb	REPORTING LIMIT ppb
75-27-4	Bromodichloromethane	ND	1.0	ND	0.15
79-01-6	Trichloroethene	13	1.0	2.4	0.19
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	ND	0.22
108-10-1	4-Methyl-2-pentanone	1.3	1.0	0.32	0.24
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	ND	0.22
79-00-5	1,1,2-Trichloroethane	ND	1.0	ND	0.18
108-88-3	Toluene	43	1.0	11	0.27
591-78-6	2-Hexanone	ND	1.0	ND	0.24
124-48-1	Dibromochloromethane	ND	1.0	ND	0.12
106-93-4	1,2-Dibromoethane	ND	1.0	ND	0.13
127-18-4	Tetrachloroethene	82	1.0	12	0.15
108-90-7	Chlorobenzene	ND	1.0	ND	0.22
100-41-4	Ethylbenzene	8.6	1.0	2.0	0.23
1330-20-7	m- & p-Xylenes	36	1.0	8.2	0.23
75-25-2	Bromoform	ND	1.0	ND	0.10
100-42-5	Styrene	1.8	1.0	0.42	0.23
95-47-6	o-Xylene	11	1.0	2.6	0.23
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	ND	0.15
541-73-1	1,3-Dichlorobenzene	ND	1.0	ND	0.17
106-46-7	1,4-Dichlorobenzene	ND	1.0	ND	0.17
95-50-1	1,2-Dichlorobenzene	ND	1.0	ND	0.17

TR = Detected Below Indicated Reporting Limit
ND = Not Detected

Verified By: JC Date: 6/15/00

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RESULTS OF ANALYSIS

Client : MFG, Inc.

Client Sample ID : 9525-06
PAI Sample ID : P2001425-006

Test Code : GC/MS EPA TO-14A
Analyst : Cindy Yoon/Wade Henton
Instrument : HP5973/Tekmar AUTOCan Elite
Matrix : Summa Canister
Canister ID : #01371

Date Sampled : 6/9/00
Date Received : 6/12/00
Date Analyzed : 6/13/00
Volume(s) Analyzed : 1.00 Liter

Pi 1 = -0.4 Pf 1 = 3.5
D.F. = 1.27

CAS #	COMPOUND	RESULT µg/m³	REPORTING LIMIT µg/m³	RESULT ppb	REPORTING LIMIT ppb
74-87-3	Chloromethane	ND	1.0	ND	0.48
75-01-4	Vinyl Chloride	ND	1.0	ND	0.39
74-83-9	Bromomethane	ND	1.0	ND	0.26
75-00-3	Chloroethane	ND	1.0	ND	0.38
67-64-1	Acetone	29	1.0	12	0.42
75-69-4	Trichlorofluoromethane	13	1.0	2.3	0.18
75-35-4	1,1-Dichloroethene	ND	1.0	ND	0.25
75-09-2	Methylene chloride	43	1.0	12	0.29
76-13-1	Trichlorotrifluoroethane	0.77 TR	1.0	0.10 TR	0.13
75-15-0	Carbon Disulfide	2.0	1.0	0.63	0.32
156-60-5	trans-1,2-Dichloroethene	ND	1.0	ND	0.25
75-34-3	1,1-Dichloroethane	ND	1.0	ND	0.25
1634-04-4	Methyl tert-Butyl Ether	ND	1.0	ND	0.28
108-05-4	Vinyl Acetate	ND	1.0	ND	0.28
78-93-3	2-Butanone	4.2	1.0	1.4	0.34
156-59-2	cis-1,2-Dichloroethene	11	1.0	2.7	0.25
67-66-3	Chloroform	5.1	1.0	1.1	0.20
107-06-2	1,2-Dichloroethane	ND	1.0	ND	0.25
71-55-6	1,1,1-Trichloroethane	1.4	1.0	0.25	0.18
71-43-2	Benzene	9.8	1.0	3.1	0.31
56-23-5	Carbon Tetrachloride	0.67 TR	1.0	0.11 TR	0.16
78-87-5	1,2-Dichloropropane	ND	1.0	ND	0.22

TR = Detected Below Indicated Reporting Limit
ND = Not Detected

Verified By: JC Date: 6/15/00

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RESULTS OF ANALYSIS

Client : MFG, Inc.

Client Sample ID : 9525-06
PAI Sample ID : P2001425-006

Test Code : GC/MS EPA TO-14A
Analyst : Cindy Yoon/Wade Henton
Instrument : HP5973/Tekmar AUTOCan Elite
Matrix : Summa Canister
Canister ID : #01371

Date Sampled : 6/9/00
Date Received : 6/12/00
Date Analyzed : 6/13/00
Volume(s) Analyzed : 1.00 Liter

Pi 1 = -0.4 Pf 1 = 3.5
D.F. = 1.27

CAS #	COMPOUND	RESULT µg/m³	REPORTING LIMIT µg/m³	RESULT ppb	REPORTING LIMIT ppb
75-27-4	Bromodichloromethane	ND	1.0	ND	0.15
79-01-6	Trichloroethene	22	1.0	4.0	0.19
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	ND	0.22
108-10-1	4-Methyl-2-pentanone	1.7	1.0	0.41	0.24
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	ND	0.22
79-00-5	1,1,2-Trichloroethane	ND	1.0	ND	0.18
108-88-3	Toluene	75	1.0	20	0.27
591-78-6	2-Hexanone	ND	1.0	ND	0.24
124-48-1	Dibromochloromethane	ND	1.0	ND	0.12
106-93-4	1,2-Dibromoethane	ND	1.0	ND	0.13
127-18-4	Tetrachloroethene	100	1.0	15	0.15
108-90-7	Chlorobenzene	ND	1.0	ND	0.22
100-41-4	Ethylbenzene	14	1.0	3.3	0.23
1330-20-7	m- & p-Xylenes	61	1.0	14	0.23
75-25-2	Bromoform	ND	1.0	ND	0.10
100-42-5	Styrene	1.3	1.0	0.31	0.23
95-47-6	o-Xylene	17	1.0	3.9	0.23
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	ND	0.15
541-73-1	1,3-Dichlorobenzene	ND	1.0	ND	0.17
106-46-7	1,4-Dichlorobenzene	1.4	1.0	0.23	0.17
95-50-1	1,2-Dichlorobenzene	ND	1.0	ND	0.17

TR = Detected Below Indicated Reporting Limit
ND = Not Detected

Verified By: JC Date: 6/15/00

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RESULTS OF ANALYSIS

Client : MFG, Inc.

Client Sample ID : 9525-07
PAI Sample ID : P2001425-007

Test Code : GC/MS EPA TO-14A
Analyst : Cindy Yoon/Wade Henton
Instrument : HP5973/Tekmar AUTOCan Elite
Matrix : Summa Canister
Canister ID : #00441

Date Sampled : 6/9/00
Date Received : 6/12/00
Date Analyzed : 6/13/00
Volume(s) Analyzed : 1.00 Liter

Pi 1 = -2.6 Pf 1 = 3.5
D.F. = 1.50

CAS #	COMPOUND	RESULT µg/m³	REPORTING LIMIT µg/m³	RESULT ppb	REPORTING LIMIT ppb
74-87-3	Chloromethane	ND	1.0	ND	0.48
75-01-4	Vinyl Chloride	ND	1.0	ND	0.39
74-83-9	Bromomethane	ND	1.0	ND	0.26
75-00-3	Chloroethane	ND	1.0	ND	0.38
67-64-1	Acetone	12	1.0	5.1	0.42
75-69-4	Trichlorofluoromethane	3.8	1.0	0.67	0.18
75-35-4	1,1-Dichloroethene	ND	1.0	ND	0.25
75-09-2	Methylene chloride	7.9	1.0	2.3	0.29
76-13-1	Trichlorotrifluoroethane	0.78 TR	1.0	0.10 TR	0.13
75-15-0	Carbon Disulfide	1.8	1.0	0.58	0.32
156-60-5	trans-1,2-Dichloroethene	ND	1.0	ND	0.25
75-34-3	1,1-Dichloroethane	ND	1.0	ND	0.25
1634-04-4	Methyl tert-Butyl Ether	ND	1.0	ND	0.28
108-05-4	Vinyl Acetate	ND	1.0	ND	0.28
78-93-3	2-Butanone	4.1	1.0	1.4	0.34
156-59-2	cis-1,2-Dichloroethene	ND	1.0	ND	0.25
67-66-3	Chloroform	ND	1.0	ND	0.20
107-06-2	1,2-Dichloroethane	ND	1.0	ND	0.25
71-55-6	1,1,1-Trichloroethane	ND	1.0	ND	0.18
71-43-2	Benzene	2.0	1.0	0.62	0.31
56-23-5	Carbon Tetrachloride	ND	1.0	ND	0.16
78-87-5	1,2-Dichloropropane	ND	1.0	ND	0.22

TR = Detected Below Indicated Reporting Limit
ND = Not Detected

Verified By: JC Date: 6/15/00

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RESULTS OF ANALYSIS

Client : MFG, Inc.

Client Sample ID : 9525-07
PAI Sample ID : P2001425-007

Test Code : GC/MS EPA TO-14A
Analyst : Cindy Yoon/Wade Henton
Instrument : HP5973/Tekmar AUTOCan Elite
Matrix : Summa Canister
Canister ID : #00441

Date Sampled : 6/9/00
Date Received : 6/12/00
Date Analyzed : 6/13/00
Volume(s) Analyzed : 1.00 Liter

Pi 1 = -2.6 Pf 1 = 3.5
D.F. = 1.50

CAS #	COMPOUND	RESULT µg/m³	REPORTING LIMIT µg/m³	RESULT ppb	REPORTING LIMIT ppb
75-27-4	Bromodichloromethane	ND	1.0	ND	0.15
79-01-6	Trichloroethene	ND	1.0	ND	0.19
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	ND	0.22
108-10-1	4-Methyl-2-pentanone	ND	1.0	ND	0.24
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	ND	0.22
79-00-5	1,1,2-Trichloroethane	ND	1.0	ND	0.18
108-88-3	Toluene	20	1.0	5.2	0.27
591-78-6	2-Hexanone	ND	1.0	ND	0.24
124-48-1	Dibromochloromethane	ND	1.0	ND	0.12
106-93-4	1,2-Dibromoethane	ND	1.0	ND	0.13
127-18-4	Tetrachloroethene	2.9	1.0	0.42	0.15
108-90-7	Chlorobenzene	ND	1.0	ND	0.22
100-41-4	Ethylbenzene	5.1	1.0	1.2	0.23
1330-20-7	m- & p-Xylenes	20	1.0	4.7	0.23
75-25-2	Bromoform	ND	1.0	ND	0.10
100-42-5	Styrene	1.0	1.0	0.24	0.23
95-47-6	o-Xylene	6.9	1.0	1.6	0.23
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	ND	0.15
541-73-1	1,3-Dichlorobenzene	ND	1.0	ND	0.17
106-46-7	1,4-Dichlorobenzene	ND	1.0	ND	0.17
95-50-1	1,2-Dichlorobenzene	ND	1.0	ND	0.17

TR = Detected Below Indicated Reporting Limit
ND = Not Detected

Verified By: JC Date: 6/15/00

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Performance Analytical Inc.
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RESULTS OF ANALYSIS

Client : MFG, Inc.

Client Sample ID : 9525-07
PAI Sample ID : P2001425-007DUP

Test Code : GC/MS EPA TO-14A
Analyst : Cindy Yoon/Wade Henton
Instrument : HP5973/Tekmar AUTOCan Elite
Matrix : Summa Canister
Canister ID : #00441

Date Sampled : 6/9/00
Date Received : 6/12/00
Date Analyzed : 6/13/00
Volume(s) Analyzed : 1.00 Liter

Pi 1 = -2.6 Pf 1 = 3.5
D.F. = 1.50

CAS #	COMPOUND	RESULT µg/m³	REPORTING LIMIT µg/m³	RESULT ppb	REPORTING LIMIT ppb
74-87-3	Chloromethane	ND	1.0	ND	0.48
75-01-4	Vinyl Chloride	ND	1.0	ND	0.39
74-83-9	Bromomethane	ND	1.0	ND	0.26
75-00-3	Chloroethane	ND	1.0	ND	0.38
67-64-1	Acetone	12	1.0	5.2	0.42
75-69-4	Trichlorofluoromethane	3.9	1.0	0.70	0.18
75-35-4	1,1-Dichloroethene	ND	1.0	ND	0.25
75-09-2	Methylene chloride	7.9	1.0	2.3	0.29
76-13-1	Trichlorotrifluoroethane	0.75 TR	1.0	0.10 TR	0.13
75-15-0	Carbon Disulfide	1.8	1.0	0.59	0.32
156-60-5	trans-1,2-Dichloroethene	ND	1.0	ND	0.25
75-34-3	1,1-Dichloroethane	ND	1.0	ND	0.25
1634-04-4	Methyl tert-Butyl Ether	ND	1.0	ND	0.28
108-05-4	Vinyl Acetate	ND	1.0	ND	0.28
78-93-3	2-Butanone	3.9	1.0	1.3	0.34
156-59-2	cis-1,2-Dichloroethene	ND	1.0	ND	0.25
67-66-3	Chloroform	ND	1.0	ND	0.20
107-06-2	1,2-Dichloroethane	ND	1.0	ND	0.25
71-55-6	1,1,1-Trichloroethane	ND	1.0	ND	0.18
71-43-2	Benzene	2.0	1.0	0.62	0.31
56-23-5	Carbon Tetrachloride	ND	1.0	ND	0.16
78-87-5	1,2-Dichloropropane	ND	1.0	ND	0.22

TR = Detected Below Indicated Reporting Limit
ND = Not Detected

Verified By: TC Date: 6/15/00

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Performance Analytical Inc.
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RESULTS OF ANALYSIS

Client : MFG, Inc.

Client Sample ID : 9525-07
PAI Sample ID : P2001425-007DUP

Test Code : GC/MS EPA TO-14A
Analyst : Cindy Yoon/Wade Henton
Instrument : HP5973/Tekmar AUTOCan Elite
Matrix : Summa Canister
Canister ID : #00441

Date Sampled : 6/9/00
Date Received : 6/12/00
Date Analyzed : 6/13/00
Volume(s) Analyzed : 1.00 Liter

Pi 1 = -2.6 Pf 1 = 3.5
D.F. = 1.50

CAS #	COMPOUND	RESULT µg/m³	REPORTING LIMIT µg/m³	RESULT ppb	REPORTING LIMIT ppb
75-27-4	Bromodichloromethane	ND	1.0	ND	0.15
79-01-6	Trichloroethene	ND	1.0	ND	0.19
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	ND	0.22
108-10-1	4-Methyl-2-pentanone	ND	1.0	ND	0.24
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	ND	0.22
79-00-5	1,1,2-Trichloroethane	ND	1.0	ND	0.18
108-88-3	Toluene	20	1.0	5.3	0.27
591-78-6	2-Hexanone	ND	1.0	ND	0.24
124-48-1	Dibromochloromethane	ND	1.0	ND	0.12
106-93-4	1,2-Dibromoethane	ND	1.0	ND	0.13
127-18-4	Tetrachloroethene	2.9	1.0	0.42	0.15
108-90-7	Chlorobenzene	ND	1.0	ND	0.22
100-41-4	Ethylbenzene	5.1	1.0	1.2	0.23
1330-20-7	m- & p-Xylenes	20	1.0	4.7	0.23
75-25-2	Bromoform	ND	1.0	ND	0.10
100-42-5	Styrene	1.0	1.0	0.24	0.23
95-47-6	o-Xylene	6.9	1.0	1.6	0.23
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	ND	0.15
541-73-1	1,3-Dichlorobenzene	ND	1.0	ND	0.17
106-46-7	1,4-Dichlorobenzene	ND	1.0	ND	0.17
95-50-1	1,2-Dichlorobenzene	ND	1.0	ND	0.17

TR = Detected Below Indicated Reporting Limit
ND = Not Detected

Verified By: JC Date: 6/15/00

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RESULTS OF ANALYSIS

Client : MFG, Inc.

Client Sample ID : Method Blank
PAI Sample ID : P000612-MB

Test Code : GC/MS EPA TO-14A
Analyst : Cindy Yoon/Wade Henton
Instrument : HP5973/Tekmar AUTOCan Elite
Matrix : Summa Canister

Date Sampled : N/A
Date Received : N/A
Date Analyzed : 6/12/00
Volume(s) Analyzed : 1.00 Liter

D.F. = 1.00

CAS #	COMPOUND	RESULT µg/m³	REPORTING LIMIT µg/m³	RESULT ppb	REPORTING LIMIT ppb
74-87-3	Chloromethane	ND	1.0	ND	0.48
75-01-4	Vinyl Chloride	ND	1.0	ND	0.39
74-83-9	Bromomethane	ND	1.0	ND	0.26
75-00-3	Chloroethane	ND	1.0	ND	0.38
67-64-1	Acetone	ND	1.0	ND	0.42
75-69-4	Trichlorofluoromethane	ND	1.0	ND	0.18
75-35-4	1,1-Dichloroethene	ND	1.0	ND	0.25
75-09-2	Methylene chloride	ND	1.0	ND	0.29
76-13-1	Trichlorotrifluoroethane	ND	1.0	ND	0.13
75-15-0	Carbon Disulfide	ND	1.0	ND	0.32
156-60-5	trans-1,2-Dichloroethene	ND	1.0	ND	0.25
75-34-3	1,1-Dichloroethane	ND	1.0	ND	0.25
1634-04-4	Methyl tert-Butyl Ether	ND	1.0	ND	0.28
108-05-4	Vinyl Acetate	ND	1.0	ND	0.28
78-93-3	2-Butanone	ND	1.0	ND	0.34
156-59-2	cis-1,2-Dichloroethene	ND	1.0	ND	0.25
67-66-3	Chloroform	ND	1.0	ND	0.20
107-06-2	1,2-Dichloroethane	ND	1.0	ND	0.25
71-55-6	1,1,1-Trichloroethane	ND	1.0	ND	0.18
71-43-2	Benzene	ND	1.0	ND	0.31
56-23-5	Carbon Tetrachloride	ND	1.0	ND	0.16
78-87-5	1,2-Dichloropropane	ND	1.0	ND	0.22

TR = Detected Below Indicated Reporting Limit
ND = Not Detected

Verified By: JC Date: 6/15/00

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RESULTS OF ANALYSIS

Client : MFG, Inc.

Client Sample ID : Method Blank
PAI Sample ID : P000612-MB

Test Code : GC/MS EPA TO-14A
Analyst : Cindy Yoon/Wade Henton
Instrument : HP5973/Tekmar AUTOCan Elite
Matrix : Summa Canister

Date Sampled : N/A
Date Received : N/A
Date Analyzed : 6/12/00
Volume(s) Analyzed : 1.00 Liter

D.F. = 1.00

CAS #	COMPOUND	RESULT µg/m³	REPORTING LIMIT µg/m³	RESULT ppb	REPORTING LIMIT ppb
75-27-4	Bromodichloromethane	ND	1.0	ND	0.15
79-01-6	Trichloroethene	ND	1.0	ND	0.19
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	ND	0.22
108-10-1	4-Methyl-2-pentanone	ND	1.0	ND	0.24
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	ND	0.22
79-00-5	1,1,2-Trichloroethane	ND	1.0	ND	0.18
108-88-3	Toluene	ND	1.0	ND	0.27
591-78-6	2-Hexanone	ND	1.0	ND	0.24
124-48-1	Dibromochloromethane	ND	1.0	ND	0.12
106-93-4	1,2-Dibromoethane	ND	1.0	ND	0.13
127-18-4	Tetrachloroethene	ND	1.0	ND	0.15
108-90-7	Chlorobenzene	ND	1.0	ND	0.22
100-41-4	Ethylbenzene	ND	1.0	ND	0.23
1330-20-7	m- & p-Xylenes	ND	1.0	ND	0.23
75-25-2	Bromoform	ND	1.0	ND	0.10
100-42-5	Styrene	ND	1.0	ND	0.23
95-47-6	o-Xylene	ND	1.0	ND	0.23
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	ND	0.15
541-73-1	1,3-Dichlorobenzene	ND	1.0	ND	0.17
106-46-7	1,4-Dichlorobenzene	ND	1.0	ND	0.17
95-50-1	1,2-Dichlorobenzene	ND	1.0	ND	0.17

TR = Detected Below Indicated Reporting Limit
ND = Not Detected

Verified By: JC Date: 6/15/00

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RESULTS OF ANALYSIS

Client : MFG, Inc.

Client Sample ID : Method Blank
PAI Sample ID : P000613-MB

Test Code : GC/MS EPA TO-14A
Analyst : Cindy Yoon/Wade Henton
Instrument : HP5973/Tekmar AUTOCan Elite
Matrix : Summa Canister

Date Sampled : N/A
Date Received : N/A
Date Analyzed : 6/13/00
Volume(s) Analyzed : 1.00 Liter

D.F. = 1.00

CAS #	COMPOUND	RESULT µg/m³	REPORTING LIMIT µg/m³	RESULT ppb	REPORTING LIMIT ppb
74-87-3	Chloromethane	ND	1.0	ND	0.48
75-01-4	Vinyl Chloride	ND	1.0	ND	0.39
74-83-9	Bromomethane	ND	1.0	ND	0.26
75-00-3	Chloroethane	ND	1.0	ND	0.38
67-64-1	Acetone	ND	1.0	ND	0.42
75-69-4	Trichlorofluoromethane	ND	1.0	ND	0.18
75-35-4	1,1-Dichloroethene	ND	1.0	ND	0.25
75-09-2	Methylene chloride	ND	1.0	ND	0.29
76-13-1	Trichlorotrifluoroethane	ND	1.0	ND	0.13
75-15-0	Carbon Disulfide	ND	1.0	ND	0.32
156-60-5	trans-1,2-Dichloroethene	ND	1.0	ND	0.25
75-34-3	1,1-Dichloroethane	ND	1.0	ND	0.25
1634-04-4	Methyl tert-Butyl Ether	ND	1.0	ND	0.28
108-05-4	Vinyl Acetate	ND	1.0	ND	0.28
78-93-3	2-Butanone	ND	1.0	ND	0.34
156-59-2	cis-1,2-Dichloroethene	ND	1.0	ND	0.25
67-66-3	Chloroform	ND	1.0	ND	0.20
107-06-2	1,2-Dichloroethane	ND	1.0	ND	0.25
71-55-6	1,1,1-Trichloroethane	ND	1.0	ND	0.18
71-43-2	Benzene	ND	1.0	ND	0.31
56-23-5	Carbon Tetrachloride	ND	1.0	ND	0.16
78-87-5	1,2-Dichloropropane	ND	1.0	ND	0.22

TR = Detected Below Indicated Reporting Limit
ND = Not Detected

Verified By: JC Date: 6/15/00

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Performance Analytical Inc.
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RESULTS OF ANALYSIS

Client : MFG, Inc.

Client Sample ID : Method Blank
PAI Sample ID : P000613-MB

Test Code : GC/MS EPA TO-14A
Analyst : Cindy Yoon/Wade Henton
Instrument : HP5973/Tekmar AUTOCan Elite
Matrix : Summa Canister

Date Sampled : N/A
Date Received : N/A
Date Analyzed : 6/13/00
Volume(s) Analyzed : 1.00 Liter

D.F. = 1.00

CAS #	COMPOUND	RESULT µg/m³	REPORTING LIMIT µg/m³	RESULT ppb	REPORTING LIMIT ppb
75-27-4	Bromodichloromethane	ND	1.0	ND	0.15
79-01-6	Trichloroethene	ND	1.0	ND	0.19
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	ND	0.22
108-10-1	4-Methyl-2-pentanone	ND	1.0	ND	0.24
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	ND	0.22
79-00-5	1,1,2-Trichloroethane	ND	1.0	ND	0.18
108-88-3	Toluene	ND	1.0	ND	0.27
591-78-6	2-Hexanone	ND	1.0	ND	0.24
124-48-1	Dibromochloromethane	ND	1.0	ND	0.12
106-93-4	1,2-Dibromoethane	ND	1.0	ND	0.13
127-18-4	Tetrachloroethene	ND	1.0	ND	0.15
108-90-7	Chlorobenzene	ND	1.0	ND	0.22
100-41-4	Ethylbenzene	ND	1.0	ND	0.23
1330-20-7	m- & p-Xylenes	ND	1.0	ND	0.23
75-25-2	Bromoform	ND	1.0	ND	0.10
100-42-5	Styrene	ND	1.0	ND	0.23
95-47-6	o-Xylene	ND	1.0	ND	0.23
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	ND	0.15
541-73-1	1,3-Dichlorobenzene	ND	1.0	ND	0.17
106-46-7	1,4-Dichlorobenzene	ND	1.0	ND	0.17
95-50-1	1,2-Dichlorobenzene	ND	1.0	ND	0.17

TR = Detected Below Indicated Reporting Limit
ND = Not Detected

Verified By: SC Date: 6/15/00

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Chain of Custody Record
Analytical Services Request

Client / Address: MFG, Inc 19203 36th Ave W. Suite 101 Lynnwood, WA 98036-5707	Phone: 425-921-4000 Fax: 425-921-4040	ANALYSES	PAI Project No.: P2001425
Client Project Name / Location: Great Western Chem Air Sampling	Client Project No.: 9525		
Contact: Kirk Winges	Sampler (Signature): Sean Williams	P. O. No.	

Client Sample ID	Date Collected	Time Collected	Lab Sample No.	Type of Sample	Container ID (Serial#)	Regulator ID (Serial#)	TO-14				Expected Turnaround Time	Remarks
9525-01	6/9/00	8:45-9:45	-1	Canister	01232	1005	X				72 hours	Upwind - Rt. side
9525-02	6/9/00	8:45-9:45	-2		01186	1349	X					Upwind - Rt. side
9525-03	6/9/00	8:45-9:45	-3		01343	1021	X					At well B-58
9525-04	6/9/00	8:45-9:45	-4		01166	1416	X					At well B-58
9525-05	6/9/00	8:45-9:45	-5		01344	1004	X					In office
9525-06	6/9/00	8:45-9:45	-6		01371	0882	X					In changeroom
9525-07	6/9/00	8:45-9:45	-7		00441	1417	X					Downwind by trailer

Relinquished by : (Signature): Sean Williams	Date: 6/9/00	Time: 2:30pm	Received by : (Signature): Sharon Malone	Date: 6/12/00	Time: 12:35
Relinquished by : (Signature)	Date	Time	Received by : (Signature)	Date	Time
Relinquished by : (Signature)	Date	Time	Received by : (Signature)	Date	Time

White Copy : Accompanies Sample Yellow Copy : Sampler

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RESULTS OF ANALYSIS

Client : MFG, Inc.

Client Sample ID : 9252-08
PAI Sample ID : P2001730-001

Test Code : GC/MS EPA TO-14A
Instrument : HP5973/Tekmar AUTOCan Elite
Analyst : Wade Henton
Matrix : Summa Canister
Canister ID : #00420

Date Sampled : 7/12/00
Date Received : 7/13/00
Date Analyzed : 7/14/00
Volume(s) Analyzed : 1.00 Liter

Pi 1 = -0.7 Pf 1 = 3.5
D.F. = 1.30

CAS #	COMPOUND	RESULT µg/m³	REPORTING LIMIT µg/m³	RESULT ppb	REPORTING LIMIT ppb
74-87-3	Chloromethane	ND	1.0	ND	0.48
75-01-4	Vinyl Chloride	ND	1.0	ND	0.39
74-83-9	Bromomethane	ND	1.0	ND	0.26
75-00-3	Chloroethane	ND	1.0	ND	0.38
67-64-1	Acetone	28	1.0	12	0.42
75-69-4	Trichlorofluoromethane	2.3	1.0	0.41	0.18
75-35-4	1,1-Dichloroethene	ND	1.0	ND	0.25
75-09-2	Methylene chloride	14	1.0	4.1	0.29
76-13-1	Trichlorotrifluoroethane	0.73 TR	1.0	0.10 TR	0.13
75-15-0	Carbon Disulfide	4.1	1.0	1.3	0.32
156-60-5	trans-1,2-Dichloroethene	ND	1.0	ND	0.25
75-34-3	1,1-Dichloroethane	ND	1.0	ND	0.25
1634-04-4	Methyl tert-Butyl Ether	ND	1.0	ND	0.28
108-05-4	Vinyl Acetate	ND	1.0	ND	0.28
78-93-3	2-Butanone	16	1.0	5.5	0.34
156-59-2	cis-1,2-Dichloroethene	3.0	1.0	0.75	0.25
67-66-3	Chloroform	19	1.0	3.9	0.20
107-06-2	1,2-Dichloroethane	ND	1.0	ND	0.25
71-55-6	1,1,1-Trichloroethane	0.94 TR	1.0	0.17 TR	0.18
71-43-2	Benzene	4.7	1.0	1.5	0.31
56-23-5	Carbon Tetrachloride	0.87 TR	1.0	0.14 TR	0.16
78-87-5	1,2-Dichloropropane	ND	1.0	ND	0.22

TR = Detected Below Indicated Reporting Limit
ND = Not Detected

Verified By: KA Date: 7/18/00

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RESULTS OF ANALYSIS

Client : MFG, Inc.

Client Sample ID : 9252-08
PAI Sample ID : P2001730-001

Test Code : GC/MS EPA TO-14A
Instrument : HP5973/Tekmar AUTOCan Elite
Analyst : Wade Henton
Matrix : Summa Canister
Canister ID : #00420

Date Sampled : 7/12/00
Date Received : 7/13/00
Date Analyzed : 7/14/00
Volume(s) Analyzed : 1.00 Liter

Pi 1 = -0.7 Pf 1 = 3.5
D.F. = 1.30

CAS #	COMPOUND	RESULT µg/m³	REPORTING LIMIT µg/m³	RESULT ppb	REPORTING LIMIT ppb
75-27-4	Bromodichloromethane	ND	1.0	ND	0.15
79-01-6	Trichloroethene	12	1.0	2.2	0.19
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	ND	0.22
108-10-1	4-Methyl-2-pentanone	3.4	1.0	0.83	0.24
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	ND	0.22
79-00-5	1,1,2-Trichloroethane	ND	1.0	ND	0.18
108-88-3	Toluene	31	1.0	8.3	0.27
591-78-6	2-Hexanone	ND	1.0	ND	0.24
124-48-1	Dibromochloromethane	ND	1.0	ND	0.12
106-93-4	1,2-Dibromoethane	ND	1.0	ND	0.13
127-18-4	Tetrachloroethene	55	1.0	8.2	0.15
108-90-7	Chlorobenzene	ND	1.0	ND	0.22
100-41-4	Ethylbenzene	4.9	1.0	1.1	0.23
1330-20-7	m- & p-Xylenes	21	1.0	4.7	0.23
75-25-2	Bromoform	ND	1.0	ND	0.10
100-42-5	Styrene	ND	1.0	ND	0.23
95-47-6	o-Xylene	6.4	1.0	1.5	0.23
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	ND	0.15
541-73-1	1,3-Dichlorobenzene	ND	1.0	ND	0.17
106-46-7	1,4-Dichlorobenzene	ND	1.0	ND	0.17
95-50-1	1,2-Dichlorobenzene	ND	1.0	ND	0.17

TR = Detected Below Indicated Reporting Limit
ND = Not Detected

Verified By: KA Date: 7/18/00

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RESULTS OF ANALYSIS

Client : MFG, Inc.

Client Sample ID : 9252-09
PAI Sample ID : P2001730-002

Test Code : GC/MS EPA TO-14A
Instrument : HP5973/Tekmar AUTOCan Elite
Analyst : Wade Henton
Matrix : Summa Canister
Canister ID : #01439

Date Sampled : 7/12/00
Date Received : 7/13/00
Date Analyzed : 7/14/00
Volume(s) Analyzed : 1.00 Liter

Pi 1 = -3.6 Pf 1 = 3.5
D.F. = 1.64

CAS #	COMPOUND	RESULT µg/m³	REPORTING LIMIT µg/m³	RESULT ppb	REPORTING LIMIT ppb
74-87-3	Chloromethane	ND	1.0	ND	0.48
75-01-4	Vinyl Chloride	ND	1.0	ND	0.39
74-83-9	Bromomethane	ND	1.0	ND	0.26
75-00-3	Chloroethane	ND	1.0	ND	0.38
67-64-1	Acetone	28	1.0	12	0.42
75-69-4	Trichlorofluoromethane	2.4	1.0	0.44	0.18
75-35-4	1,1-Dichloroethene	ND	1.0	ND	0.25
75-09-2	Methylene chloride	14	1.0	4.1	0.29
76-13-1	Trichlorotrifluoroethane	ND	1.0	ND	0.13
75-15-0	Carbon Disulfide	ND	1.0	ND	0.32
156-60-5	trans-1,2-Dichloroethene	ND	1.0	ND	0.25
75-34-3	1,1-Dichloroethane	ND	1.0	ND	0.25
1634-04-4	Methyl tert-Butyl Ether	ND	1.0	ND	0.28
108-05-4	Vinyl Acetate	ND	1.0	ND	0.28
78-93-3	2-Butanone	5.0	1.0	1.7	0.34
156-59-2	cis-1,2-Dichloroethene	2.9	1.0	0.72	0.25
67-66-3	Chloroform	17	1.0	3.5	0.20
107-06-2	1,2-Dichloroethane	ND	1.0	ND	0.25
71-55-6	1,1,1-Trichloroethane	1.0	1.0	0.18	0.18
71-43-2	Benzene	4.7	1.0	1.5	0.31
56-23-5	Carbon Tetrachloride	ND	1.0	ND	0.16
78-87-5	1,2-Dichloropropane	ND	1.0	ND	0.22

TR = Detected Below Indicated Reporting Limit
ND = Not Detected

Verified By: KA Date: 7/18/00

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RESULTS OF ANALYSIS

Client : MFG, Inc.

Client Sample ID : 9252-09
PAI Sample ID : P2001730-002

Test Code : GC/MS EPA TO-14A
Instrument : HP5973/Tekmar AUTOCan Elite
Analyst : Wade Henton
Matrix : Summa Canister
Canister ID : #01439

Date Sampled : 7/12/00
Date Received : 7/13/00
Date Analyzed : 7/14/00
Volume(s) Analyzed : 1.00 Liter

Pi 1 = -3.6 Pf 1 = 3.5
D.F. = 1.64

CAS #	COMPOUND	RESULT µg/m³	REPORTING LIMIT µg/m³	RESULT ppb	REPORTING LIMIT ppb
75-27-4	Bromodichloromethane	ND	1.0	ND	0.15
79-01-6	Trichloroethene	11	1.0	2.1	0.19
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	ND	0.22
108-10-1	4-Methyl-2-pentanone	0.93 TR	1.0	0.23 TR	0.24
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	ND	0.22
79-00-5	1,1,2-Trichloroethane	ND	1.0	ND	0.18
108-88-3	Toluene	28	1.0	7.5	0.27
591-78-6	2-Hexanone	ND	1.0	ND	0.24
124-48-1	Dibromochloromethane	ND	1.0	ND	0.12
106-93-4	1,2-Dibromoethane	ND	1.0	ND	0.13
127-18-4	Tetrachloroethene	60	1.0	8.8	0.15
108-90-7	Chlorobenzene	ND	1.0	ND	0.22
100-41-4	Ethylbenzene	4.8	1.0	1.1	0.23
1330-20-7	m- & p-Xylenes	20	1.0	4.6	0.23
75-25-2	Bromoform	ND	1.0	ND	0.10
100-42-5	Styrene	0.87 TR	1.0	0.20 TR	0.23
95-47-6	o-Xylene	6.3	1.0	1.5	0.23
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	ND	0.15
541-73-1	1,3-Dichlorobenzene	ND	1.0	ND	0.17
106-46-7	1,4-Dichlorobenzene	ND	1.0	ND	0.17
95-50-1	1,2-Dichlorobenzene	ND	1.0	ND	0.17

TR = Detected Below Indicated Reporting Limit
ND = Not Detected

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RESULTS OF ANALYSIS

Client : MFG, Inc.

Client Sample ID : 9252-10
PAI Sample ID : P2001730-003

Test Code : GC/MS EPA TO-14A
Instrument : HP5973/Tekmar AUTOCan Elite
Analyst : Wade Henton
Matrix : Summa Canister
Canister ID : #01426

Date Sampled : 7/12/00
Date Received : 7/13/00
Date Analyzed : 7/14/00
Volume(s) Analyzed : 1.00 Liter

Pi 1 = -0.5 Pf 1 = 3.5
D.F. = 1.28

CAS #	COMPOUND	RESULT µg/m³	REPORTING LIMIT µg/m³	RESULT ppb	REPORTING LIMIT ppb
74-87-3	Chloromethane	ND	1.0	ND	0.48
75-01-4	Vinyl Chloride	ND	1.0	ND	0.39
74-83-9	Bromomethane	ND	1.0	ND	0.26
75-00-3	Chloroethane	ND	1.0	ND	0.38
67-64-1	Acetone	45	1.0	19	0.42
75-69-4	Trichlorofluoromethane	3.7	1.0	0.66	0.18
75-35-4	1,1-Dichloroethene	ND	1.0	ND	0.25
75-09-2	Methylene chloride	53	1.0	15	0.29
76-13-1	Trichlorotrifluoroethane	0.69 TR	1.0	0.09 TR	0.13
75-15-0	Carbon Disulfide	ND	1.0	ND	0.32
156-60-5	trans-1,2-Dichloroethene	ND	1.0	ND	0.25
75-34-3	1,1-Dichloroethane	ND	1.0	ND	0.25
1634-04-4	Methyl tert-Butyl Ether	ND	1.0	ND	0.28
108-05-4	Vinyl Acetate	ND	1.0	ND	0.28
78-93-3	2-Butanone	4.1	1.0	1.4	0.34
156-59-2	cis-1,2-Dichloroethene	14	1.0	3.4	0.25
67-66-3	Chloroform	25	1.0	5.2	0.20
107-06-2	1,2-Dichloroethane	ND	1.0	ND	0.25
71-55-6	1,1,1-Trichloroethane	2.1	1.0	0.39	0.18
71-43-2	Benzene	14	1.0	4.4	0.31
56-23-5	Carbon Tetrachloride	1.1	1.0	0.17	0.16
78-87-5	1,2-Dichloropropane	ND	1.0	ND	0.22

TR = Detected Below Indicated Reporting Limit
ND = Not Detected

Verified By: KA Date: 7/18/00

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RESULTS OF ANALYSIS

Client : MFG, Inc.

Client Sample ID : 9252-10
PAI Sample ID : P2001730-003

Test Code : GC/MS EPA TO-14A
Instrument : HP5973/Tekmar AUTOCan Elite
Analyst : Wade Henton
Matrix : Summa Canister
Canister ID : #01426

Date Sampled : 7/12/00
Date Received : 7/13/00
Date Analyzed : 7/14/00
Volume(s) Analyzed : 1.00 Liter

Pi 1 = -0.5 Pf 1 = 3.5
D.F. = 1.28

CAS #	COMPOUND	RESULT µg/m³	REPORTING LIMIT µg/m³	RESULT ppb	REPORTING LIMIT ppb
75-27-4	Bromodichloromethane	ND	1.0	ND	0.15
79-01-6	Trichloroethene	32	1.0	6.0	0.19
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	ND	0.22
108-10-1	4-Methyl-2-pentanone	0.96 TR	1.0	0.23 TR	0.24
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	ND	0.22
79-00-5	1,1,2-Trichloroethane	ND	1.0	ND	0.18
108-88-3	Toluene	96	1.0	25	0.27
591-78-6	2-Hexanone	ND	1.0	ND	0.24
124-48-1	Dibromochloromethane	ND	1.0	ND	0.12
106-93-4	1,2-Dibromoethane	ND	1.0	ND	0.13
127-18-4	Tetrachloroethene	130	1.0	20	0.15
108-90-7	Chlorobenzene	ND	1.0	ND	0.22
100-41-4	Ethylbenzene	20	1.0	4.6	0.23
1330-20-7	m- & p-Xylenes	85	1.0	20	0.23
75-25-2	Bromoform	ND	1.0	ND	0.10
100-42-5	Styrene	1.3	1.0	0.30	0.23
95-47-6	o-Xylene	24	1.0	5.4	0.23
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	ND	0.15
541-73-1	1,3-Dichlorobenzene	ND	1.0	ND	0.17
106-46-7	1,4-Dichlorobenzene	ND	1.0	ND	0.17
95-50-1	1,2-Dichlorobenzene	ND	1.0	ND	0.17

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ND = Not Detected

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RESULTS OF ANALYSIS

Client : MFG, Inc.

Client Sample ID : 9252-11
PAI Sample ID : P2001730-004

Test Code : GC/MS EPA TO-14A
Instrument : HP5973/Tekmar AUTOCan Elite
Analyst : Wade Henton
Matrix : Summa Canister
Canister ID : #01328

Date Sampled : 7/12/00
Date Received : 7/13/00
Date Analyzed : 7/14/00
Volume(s) Analyzed : 1.00 Liter

Pi 1 = -3.5 Pf 1 = 3.5
D.F. = 1.63

CAS #	COMPOUND	RESULT µg/m³	REPORTING LIMIT µg/m³	RESULT ppb	REPORTING LIMIT ppb
74-87-3	Chloromethane	ND	1.0	ND	0.48
75-01-4	Vinyl Chloride	ND	1.0	ND	0.39
74-83-9	Bromomethane	ND	1.0	ND	0.26
75-00-3	Chloroethane	ND	1.0	ND	0.38
67-64-1	Acetone	47	1.0	20	0.42
75-69-4	Trichlorofluoromethane	3.7	1.0	0.66	0.18
75-35-4	1,1-Dichloroethene	ND	1.0	ND	0.25
75-09-2	Methylene chloride	58	1.0	17	0.29
76-13-1	Trichlorotrifluoroethane	ND	1.0	ND	0.13
75-15-0	Carbon Disulfide	ND	1.0	ND	0.32
156-60-5	trans-1,2-Dichloroethene	ND	1.0	ND	0.25
75-34-3	1,1-Dichloroethane	ND	1.0	ND	0.25
1634-04-4	Methyl tert-Butyl Ether	ND	1.0	ND	0.28
108-05-4	Vinyl Acetate	ND	1.0	ND	0.28
78-93-3	2-Butanone	7.8	1.0	2.6	0.34
156-59-2	cis-1,2-Dichloroethene	14	1.0	3.5	0.25
67-66-3	Chloroform	25	1.0	5.2	0.20
107-06-2	1,2-Dichloroethane	ND	1.0	ND	0.25
71-55-6	1,1,1-Trichloroethane	2.3	1.0	0.42	0.18
71-43-2	Benzene	14	1.0	4.4	0.31
56-23-5	Carbon Tetrachloride	1.1	1.0	0.17	0.16
78-87-5	1,2-Dichloropropane	ND	1.0	ND	0.22

TR = Detected Below Indicated Reporting Limit
ND = Not Detected

Verified By: KA Date: 7/18/00

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RESULTS OF ANALYSIS

Client : MFG, Inc.

Client Sample ID : 9252-11
PAI Sample ID : P2001730-004

Test Code : GC/MS EPA TO-14A
Instrument : HP5973/Tekmar AUTOCan Elite
Analyst : Wade Henton
Matrix : Summa Canister
Canister ID : #01328

Date Sampled : 7/12/00
Date Received : 7/13/00
Date Analyzed : 7/14/00
Volume(s) Analyzed : 1.00 Liter

Pi 1 = -3.5 Pf 1 = 3.5
D.F. = 1.63

CAS #	COMPOUND	RESULT µg/m³	REPORTING LIMIT µg/m³	RESULT ppb	REPORTING LIMIT ppb
75-27-4	Bromodichloromethane	ND	1.0	ND	0.15
79-01-6	Trichloroethene	33	1.0	6.1	0.19
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	ND	0.22
108-10-1	4-Methyl-2-pentanone	2.1	1.0	0.52	0.24
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	ND	0.22
79-00-5	1,1,2-Trichloroethane	ND	1.0	ND	0.18
108-88-3	Toluene	98	1.0	26	0.27
591-78-6	2-Hexanone	ND	1.0	ND	0.24
124-48-1	Dibromochloromethane	ND	1.0	ND	0.12
106-93-4	1,2-Dibromoethane	ND	1.0	ND	0.13
127-18-4	Tetrachloroethene	140	1.0	21	0.15
108-90-7	Chlorobenzene	ND	1.0	ND	0.22
100-41-4	Ethylbenzene	20	1.0	4.7	0.23
1330-20-7	m- & p-Xylenes	87	1.0	20	0.23
75-25-2	Bromoform	ND	1.0	ND	0.10
100-42-5	Styrene	1.5	1.0	0.34	0.23
95-47-6	o-Xylene	24	1.0	5.5	0.23
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	ND	0.15
541-73-1	1,3-Dichlorobenzene	ND	1.0	ND	0.17
106-46-7	1,4-Dichlorobenzene	ND	1.0	ND	0.17
95-50-1	1,2-Dichlorobenzene	ND	1.0	ND	0.17

TR = Detected Below Indicated Reporting Limit
ND = Not Detected

Verified By: KA Date: 7/18/00

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RESULTS OF ANALYSIS

Client : MFG, Inc.

Client Sample ID : 9252-11
PAI Sample ID : P2001730-004DUP

Test Code : GC/MS EPA TO-14A
Instrument : HP5973/Tekmar AUTOCan Elite
Analyst : Wade Henton
Matrix : Summa Canister
Canister ID : #01328

Date Sampled : 7/12/00
Date Received : 7/13/00
Date Analyzed : 7/14/00
Volume(s) Analyzed : 1.00 Liter

Pi 1 = -3.5 Pf 1 = 3.5
D.F. = 1.63

CAS #	COMPOUND	RESULT µg/m³	REPORTING LIMIT µg/m³	RESULT ppb	REPORTING LIMIT ppb
74-87-3	Chloromethane	ND	1.0	ND	0.48
75-01-4	Vinyl Chloride	ND	1.0	ND	0.39
74-83-9	Bromomethane	ND	1.0	ND	0.26
75-00-3	Chloroethane	ND	1.0	ND	0.38
67-64-1	Acetone	49	1.0	20	0.42
75-69-4	Trichlorofluoromethane	3.7	1.0	0.67	0.18
75-35-4	1,1-Dichloroethene	ND	1.0	ND	0.25
75-09-2	Methylene chloride	59	1.0	17	0.29
76-13-1	Trichlorotrifluoroethane	ND	1.0	ND	0.13
75-15-0	Carbon Disulfide	ND	1.0	ND	0.32
156-60-5	trans-1,2-Dichloroethene	ND	1.0	ND	0.25
75-34-3	1,1-Dichloroethane	ND	1.0	ND	0.25
1634-04-4	Methyl tert-Butyl Ether	ND	1.0	ND	0.28
108-05-4	Vinyl Acetate	ND	1.0	ND	0.28
78-93-3	2-Butanone	7.9	1.0	2.7	0.34
156-59-2	cis-1,2-Dichloroethene	14	1.0	3.6	0.25
67-66-3	Chloroform	26	1.0	5.3	0.20
107-06-2	1,2-Dichloroethane	ND	1.0	ND	0.25
71-55-6	1,1,1-Trichloroethane	2.3	1.0	0.43	0.18
71-43-2	Benzene	14	1.0	4.4	0.31
56-23-5	Carbon Tetrachloride	1.1	1.0	0.17	0.16
78-87-5	1,2-Dichloropropane	ND	1.0	ND	0.22

TR = Detected Below Indicated Reporting Limit
ND = Not Detected

Verified By: KA Date: 7/18/00

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RESULTS OF ANALYSIS

Client : MFG, Inc.

Client Sample ID : 9252-11
PAI Sample ID : P2001730-004DUP

Test Code : GC/MS EPA TO-14A
Instrument : HP5973/Tekmar AUTOCan Elite
Analyst : Wade Henton
Matrix : Summa Canister
Canister ID : #01328

Date Sampled : 7/12/00
Date Received : 7/13/00
Date Analyzed : 7/14/00
Volume(s) Analyzed : 1.00 Liter

Pi l = -3.5 Pf l = 3.5
D.F. = 1.63

CAS #	COMPOUND	RESULT µg/m³	REPORTING LIMIT µg/m³	RESULT ppb	REPORTING LIMIT ppb
75-27-4	Bromodichloromethane	ND	1.0	ND	0.15
79-01-6	Trichloroethene	33	1.0	6.2	0.19
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	ND	0.22
108-10-1	4-Methyl-2-pentanone	2.2	1.0	0.53	0.24
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	ND	0.22
79-00-5	1,1,2-Trichloroethane	ND	1.0	ND	0.18
108-88-3	Toluene	100	1.0	26	0.27
591-78-6	2-Hexanone	ND	1.0	ND	0.24
124-48-1	Dibromochloromethane	ND	1.0	ND	0.12
106-93-4	1,2-Dibromoethane	ND	1.0	ND	0.13
127-18-4	Tetrachloroethene	140	1.0	21	0.15
108-90-7	Chlorobenzene	ND	1.0	ND	0.22
100-41-4	Ethylbenzene	20	1.0	4.7	0.23
1330-20-7	m- & p-Xylenes	88	1.0	20	0.23
75-25-2	Bromoform	ND	1.0	ND	0.10
100-42-5	Styrene	1.4	1.0	0.34	0.23
95-47-6	o-Xylene	24	1.0	5.6	0.23
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	ND	0.15
541-73-1	1,3-Dichlorobenzene	ND	1.0	ND	0.17
106-46-7	1,4-Dichlorobenzene	ND	1.0	ND	0.17
95-50-1	1,2-Dichlorobenzene	ND	1.0	ND	0.17

TR = Detected Below Indicated Reporting Limit
ND = Not Detected

Verified By: KA Date: 7/18/00

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RESULTS OF ANALYSIS

Client : MFG, Inc.

Client Sample ID : Method Blank
PAI Sample ID : P000713-MB

Test Code : GC/MS EPA TO-14A
Instrument : HP5973/Tekmar AUTOCan Elite
Analyst : Wade Henton
Matrix : Summa Canister

Date Sampled : N/A
Date Received : N/A
Date Analyzed : 7/13/00
Volume(s) Analyzed : 1.00 Liter

Pi l = 0.0 Pf l = 0.0
D.F. = 1.00

CAS #	COMPOUND	RESULT µg/m³	REPORTING LIMIT µg/m³	RESULT ppb	REPORTING LIMIT ppb
74-87-3	Chloromethane	ND	1.0	ND	0.48
75-01-4	Vinyl Chloride	ND	1.0	ND	0.39
74-83-9	Bromomethane	ND	1.0	ND	0.26
75-00-3	Chloroethane	ND	1.0	ND	0.38
67-64-1	Acetone	ND	1.0	ND	0.42
75-69-4	Trichlorofluoromethane	ND	1.0	ND	0.18
75-35-4	1,1-Dichloroethene	ND	1.0	ND	0.25
75-09-2	Methylene chloride	ND	1.0	ND	0.29
76-13-1	Trichlorotrifluoroethane	ND	1.0	ND	0.13
75-15-0	Carbon Disulfide	ND	1.0	ND	0.32
156-60-5	trans-1,2-Dichloroethene	ND	1.0	ND	0.25
75-34-3	1,1-Dichloroethane	ND	1.0	ND	0.25
1634-04-4	Methyl tert-Butyl Ether	ND	1.0	ND	0.28
108-05-4	Vinyl Acetate	ND	1.0	ND	0.28
78-93-3	2-Butanone	ND	1.0	ND	0.34
156-59-2	cis-1,2-Dichloroethene	ND	1.0	ND	0.25
67-66-3	Chloroform	ND	1.0	ND	0.20
107-06-2	1,2-Dichloroethane	ND	1.0	ND	0.25
71-55-6	1,1,1-Trichloroethane	ND	1.0	ND	0.18
71-43-2	Benzene	ND	1.0	ND	0.31
56-23-5	Carbon Tetrachloride	ND	1.0	ND	0.16
78-87-5	1,2-Dichloropropane	ND	1.0	ND	0.22

TR = Detected Below Indicated Reporting Limit
ND = Not Detected

Verified By: KA Date: 7/18/00

2665 Park Center Drive, Suite D, Simi Valley, California 93065 • Phone (805) 526-7161• Fax (805) 526-7270

Page No.:
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Performance Analytical Inc.
Air Quality Laboratory
A Division of Columbia Analytical Services, Inc.
An Employee Owned Company

2665 Park Center Drive, Suite D
Simi Valley, California 93065
Phone (805) 526-7161
Fax (805) 526-7270

Chain of Custody Record
Analytical Services Request

Client / Address	Phone	Fax	ANALYSES	PAI Project No.
MPG INC 19203 36TH AVE W SUITE 101 LYNNWOOD WA 98036-5707	425-921-4000	425-921-4040		P2001730
Client Project Name / Location	**Client Project No.**			
GREAT WESTERN CHEMICAL AIR SAMPLING	9525-01			
Contact	**Sampler (Signature)**	**P. O. No.**		
KIRK WINGES	Kris Hansen			

Client Sample ID	Date Collected	Time Collected	Lab Sample No.	Type of Sample	Container ID (Serial#)	Regulator ID (Serial#)	TO-14A				Expected Turnaround Time	Remarks
9252-08	7-12-00	10-11 AM	-1	CANISTER	420 AC 00251	815 FC 00034	X				72 HRS	OFFICE FLOOR
9252-09	7-12-00	10-11 AM	-2	"	1439 AC 00288	1021 FC 00146	X				"	OFFICE ELEVATED
9252-10	7-12-00	10-11 AM	-3	"	1426 AC 00273	1003 FC 00089	X				"	CHANGE RM ELEVATED
9252-11	7-12-00	10-11 AM	-4	"	1328 AC 00073	1028 FC 00072	X				"	CHANGE RM FLOOR

Relinquished by : (Signature)	Date	Time	Received by : (Signature)	Date	Time
Kris Hansen	7-12-00	13:00	Sharon Malone	7/13/00	0930
Relinquished by : (Signature)	Date	Time	Received by : (Signature)	Date	Time
Relinquished by : (Signature)	Date	Time	Received by : (Signature)	Date	Time

Field Notes

Subject Great Western Chemical Air Sampling Project No. 9525

By SBW Checked By _____ Task No. _____

File No. _____

Date 06-09-00 Date _____ Sheet 1 of _____

Arrive on Site w/ Dan McCarthy (Floyd & Snider) & Peter Calderall (Terra Vac)

Arrived @ 7:00 AM

Set up wind Vane, location _____ @ 7:15

- Set up Summa samplers w/ 1/4" poly tubing to get ~~them to~~ SBW sampling height to breathing space. (Between 4'6" and 5'0")

- Set sample cans @ 8:00

- Sunny Lin (DOE) Arrived @ 8:00

Sample cans locations:

UPWind: Can 9525-01 205" to Well B-20A
220" to RR tracks perpendicular to line w/ B-20A

Can 9525-02 158" to RR tracks on Fox, perp to tracks
176" to Well B-63

@ Well B-58: Can 9525-03 6" from B-58
63" from Well B59

Can 9525-04 6" from Well B-58
63" from well B-59

Downwind: can 9525-07 174" from Fencepost @ N end of Emerson prpty
132" from Rail Road tracks perpendicular

Inside warehouse: Can 9525-05

Can 9525-06

Decided @ 8:11 to Drop Sample height to Center of canister w/in 1"

- we cut tubes to accomodate.
- About 12-16" of tubing attached to intakes w/ surgical tubing

Heavy truck traffic, metal Grinding near Well B-58 on Fox Ave

- Wind coming out of S, SE along Fox Avenue 8:38 AM

Subject GW Chem Air Sampling Project No. 9525

By SBW Checked By Task No.

File No.

Date 6-9-00 Date Sheet 2 of

Sample start times by Sean Williams' watch

	Open	Close
Can 9525-01	8:43:50 Am	9525-01 9:43.50 Am
9525-02	8:44.17 Am	9525-02 9:44.17 Am
9525-03	8:45.05 Am	9525-03 9:45.05 Am
9525-04	8:45.25 Am	9525-04 9:45.25 Am
9525-05	8:48.20 Am	9525-05 9:48.20 Am
9525-06	8:49.15 Am	9525-06 9:49.15 Am
9525-07	8:46:47 Am	9525-07 9:46.47 Am

- Can Knob wouldn't turn 1.25 turns would only turn ~0.75 turns open all the way.

SBW started and stopped all cans.

Truck count Between 0850 ⇒ 4:43

N ⇒ S	S ⇒ N
IIII	IIII III

Wind shift to N, NE 09:45 Am only for a few minutes, wind Predominately from E, splitting & Running NW up Fox Coming from SE

- Asemi was parked just North of cans 9525-03 and 9525-04, @ 9:25 Am it started up and pulled away.

- wind eddies coming from neighboring buildings and open spots pushed the wind vane around to N to E

Subject Great Western Air Sampling Project No. 9525

By SBW Checked By _____ Task No. _____

File No. _____

Date 6-09-00 Date _____ Sheet 3 of _____

Peter & Dan discussed purpose of air samples w/ Ms Lin

- Decided to lower sampling height.
- Ms. Lin left after sampling started.
- Dan, Peter and SBW took measurements to locate sample cans during sampling using a 25' Stanley tape measure.
- Batteries went dead in camera. Backup batteries were dead
- Vinyl chloride sample taken, DL 0.2 ppm - No color change

Subject CANISTER SAMPLING GREEN WESTERN Chem Round II Project No. 9252-01

By KRIS HANSEN Checked By _____ Task No. _____

File No. _____

Date July 12 2000 Date _____ Sheet _____ of _____

ARRIVED @ 9:25 PDT

DISCUSSED SAMPLING WITH DAN McCARTHY

ATTACHED LABELS TO CANISTERS
ATTACHED FLOW CONTROLLERS TO CANISTERS

CANISTER IDENTIFICATION —

SAMPLE #	CANISTER #	FLOW CONTROLLER #	LOCATION	
9252-08	00420 (AC00251)	00815 (FC00034)	FLOOR	MAIN OFFICE
9252-09	01439 (AC00288)	01021 (FC00146)	5'	
9252-10	01426 (AC00213)	01003 (FC00089)	5'	CHANGE ROOM
9252-11	01328 (AC00073)	01028 (FC00072) (NOT COMPLETELY SURE)	FLOOR	

	OPEN	CLOSE
9252-08	10:00 AM	11:00:00
9252-09	10:00:15	11:00:10
9252-10	10:00:54	11:00:45
9252-11	10:01:10	11:01:09

LOOKED AROUND WAREHOUSE - NO OTHERS DETECTED -
ELEVATED CANISTERS POSITIONED (HUNG) ON TRIPODS
FLOW CONTROLLER VALVES ON ELEVATED CANISTERS AT WAIST HEIGHT. CANISTERS PLACED ON FLOOR DIRECTLY BELOW ELEVATED CANISTERS.

10:28 - 10:32 FORKLIFT OPERATED IN WAREHOUSE THEN WENT OUT ON DOCK.
10:32 - 10:40 IN AND OUT AROMATIC

DOOR KEPT CLOSED ON CHANGE ROOM

SHUT DOWN ALL CANISTERS AS ABOVE, REMOVED FLOW CONTROLLERS PREPARED FOR SHIPMENT.

WIND: WARM SLIGHT NORTHERLY

LEFT SITE 11:21 PDT

Supplemental Remedial Investigation and Feasibility Study

Appendix I

Ambient Air Sampling Analysis Report

AGENCY REVIEW DRAFT

MFG, Inc.
19203 36th Avenue W., Suite 101
Lynnwood, WA 98036-5707
425/ 921-4000
Fax: 921-4040

consulting
scientists and
engineers

August 7, 2000

Mr. Dan McCarthy
Floyd & Snider, Inc.
83 South King Street, Suite 614
Seattle, WA 98104

Dear Mr. McCarthy:

The purpose of this letter is to report the findings of our air sampling effort at the Great Western Chemical Company facility on June 9, 2000 and a subsequent sampling event on July 12, 2000. The June 9 sampling was performed by Sean Williams of our office and the July 12 sampling was performed by Kris Hansen. Performance Analytical, an EPA-certified laboratory, analyzed the samples for both sampling events.

The sampling followed the "Great Western Chemical Company Ambient Air Sampling Event Work Plan", prepared by Floyd and Snider on May 25, 2000 and subsequently amended on the day of the first sampling event, June 9. The Work Plan showing the amendments of June 9 is attached. The main revision was the reduction of the sample height to 6-12 inches above ground, per the request of the Department of Ecology.

On June 9, a total of seven air samples were collected in evacuated stainless-steel canisters. An additional 4 samples were collected on July 12. The canisters were provided to MFG by Performance Analytical prior to the sampling. The laboratory had cleaned, evacuated and certified the canisters to be free of contamination. Although not required by any EPA protocols, Performance Analytical routinely separates canisters used for source sampling and those used for ambient sampling. Even though all canisters are cleaned and certified to be free of contamination, this additional step helps to ensure that ambient samples are not contaminated by the higher concentrations source canisters are exposed to. The canisters used in the current sampling were all ambient canisters.

In addition to providing the canisters themselves, Performance Analytical also provided flow controllers for each of the eleven samples. Flow controllers were set to sample for one hour.

June 9 Sampling Event

The seven samples on June 9 were collected as follows:

Sample No.	Location
1	Upwind of the Great Western Chemical Facility on Fox Avenue near Railroad tracks. Location of this sample 205 inches from well B-20A and 220 inches to railroad tracks, perpendicular to line with B-20A
2	Upwind of the Great Western Chemical Facility on Fox Avenue near Railroad Tracks. Location of this sample 158 inches to Railroad tracks on Fox, perpendicular to tracks, 176" from well B-63
3	At well B58.
4	Duplicate at well B-58
5	Inside warehouse in office.
6	Inside warehouse in change room.
7	Downwind sample. 174 inches from fencepost at north end of Emerson property. 132 inches from Railroad tracks, perpendicular.

Upwind and downwind were determined by the temporary installation of an R.M. Young, Model 5305, wind monitor at the site. The wind monitor was not electrically connected. Rather it was installed as a visual indicator of the wind direction. The MFG sampler noted the direction of the wind as indicated by the direction of the wind monitor throughout the sampling event. For the vast majority of the June 9 sampling event winds were from the southeast. Samples 1 and 2 were south and east of the main warehouse entrance, and were thus classified as upwind samples. Sample 7 was collected at the northwestern corner of the property and was thus termed the downwind sample.

Sampling on June 9 was performed from approximately 8:45 AM to 9:45 AM Pacific Daylight Time. This time was selected to be approximately 8 hours after the highest tide of the day. The highest tide occurred at around midnight the previous night (11:54 PM). A low tide occurred at 6:25 the morning of the 9th and tide was coming in during the sampling with the next high tide occurring at 11:27 AM. Other meteorological conditions were obtained from the University of Washington's archives. Barometric pressure was falling slightly during the sampling event. Temperatures were rising from 53 to 55 degrees F during the sampling event. Wind speeds were from 4 to 7 knots. No precipitation was reported.

The samples were analyzed using EPA method TO-14. Table 1 summarizes the results of the analysis. The laboratory routinely takes duplicate samples from some of the canisters for quality assurance protocols. Samples 2 and 7 were both analyzed twice as shown in Table 1. In addition, the laboratory analyzes method blank samples as a further quality assurance provision. Copies of the full laboratory reports have been attached. Copies of field notes taken by Sean Williams are also attached.

July 12 Sampling Event

Sampling on July 12 was conducted at the indoor locations only. Four samples were collected at the same two indoor locations as the June 9th sampling event, with two samples taken at each location. At each location, one sample was collected at the previous height of 6-12 inches above the floor, while the second sample was collected at a height of 5 feet above the floor. A summary of the samples in the July 12 event is as follows:

Sample No.	
8	Inside warehouse in office, at a height of 6-12 inches above the floor.
9	Inside warehouse in office, at a height of 5 feet above the floor.
10	Inside warehouse in change room, at a height of 6-12 inches above the floor.
11	Inside warehouse in change room, at a height of 5 feet above the floor.

There were no upwind/downwind samples, since all of these samples were collected indoors. The sampling on July 12th was performed from 10:00 through 11:00 AM Pacific Daylight Time. The highest tide occurred at 2:00 AM so the sampling was approximately 8 hours after the highest tide of the day. Low tide occurred at 9:22 AM, so tide was coming in during the sampling, approaching a high tide at 4:46 PM . Other meteorological conditions were obtained from the University of Washington's archives. Barometric pressure was falling during the sampling event. Temperatures were rising from 59 to 64 degrees F during the sampling event. Wind speeds were steady at approximately 5 knots. No precipitation was reported.

The samples were analyzed using EPA method TO-14. Table 1 summarizes the results of the analysis. The laboratory routinely takes duplicate samples from some of the canisters for quality assurance protocols. Sample 11 was analyzed twice as shown in Table 1. In addition, the laboratory analyzes method blank samples as a further quality assurance provision. Copies of the full laboratory reports have been attached. Copies of field notes taken by Kris Hansen are also attached.

If there are questions, please do not hesitate to contact me.

Sincerely,
MFG, Inc.

Kirk D. Winges
Senior Atmospheric Scientist

enc. Table 1 - Summary of Air Sampling Results
Work Plan
Laboratory Report
Field Notes

Table 1 -- Summary of Air Sampling Results

		Initial Sampling Event 6/9/00 Concentration (ug/m3)									Follow-up sampling event on 7-12-00				
	Sample No.:	1	2	2 Duplicate	3	4	5	6	7	7 Duplicate	8	9	10	11	11 Duplicate
CAS No.	Species	Upwind	Upwind	Upwind	Wall Test	Wall Test	Office	Office/Storage	Downwind	Downwind	Office floor	Office elevated	Storage Room floor	Storage Room elevated	Storage Room elevated
74-87-3	Chloromethane														
75-01-4	Vinyl Chloride														
74-83-9	Bromomethane														
75-00-3	Chloroethane														
67-64-1	Acetone	22.0	7.4	7.5	15.0	13.0	35.0	29.0	12.0	12.0	28.0	28.0	45.0	47.0	49.0
75-69-4	Trichlorofluoromethane	96.0	130.0	130.0	84.0	87.0	14.0	13.0	3.8	3.9	2.3	2.4	3.7	3.7	3.7
75-35-4	1,1-Dichloroethene														
75-09-2	Methylene chloride	8.5	2.6	2.6	8.4	8.8	20.0	43.0	7.9	7.9	14.0	14.0	53.0	58.0	59.0
76-13-1	Trichlorotrifluoroethane	0.7 TR	0.8 TR	0.8 TR	0.8 TR	0.8 TR	0.8 TR	0.8 TR	0.8 TR	0.8 TR	0.7 TR		0.7 TR		
75-15-0	Carbon Disulfide						2.2	2.0	1.8	1.8	4.1				
156-60-5	trans-1,2-Dichloroethene														
75-34-3	1,1-Dichloroethane														
1634-04-4	Methyl tert-Butyl Ether														
108-05-4	Vinyl Acetate														
78-93-3	2-Butanone	4.7	3.4	3.5	5.6	3.8	4.8	4.2	4.1	3.9	16.0	5.0	4.1	7.8	7.9
156-59-2	cis-1,2-Dichloroethene						4.6	11.0			3.0	2.9	14.0	14.0	14.0
67-66-3	Chloroform						4.6	5.1			19.0	17.0	25.0	25.0	26.0
107-06-2	1,2-Dichloroethane														
71-55-6	1,1,1-Trichloroethane						1.2	1.4			0.9 TR	1.0	2.1	2.3	2.3
71-43-2	Benzene	3.0	3.0	3.1	4.0	4.0	6.2	9.8	2.0	2.0	4.7	4.7	14.0	14.0	14.0
56-23-5	Carbon Tetrachloride							0.7 TR			0.9 TR		1.1	1.1	1.1
78-87-5	1,2-Dichloropropane														
75-27-4	Bromodichloromethane														
79-01-6	Trichloroethene						13.0	22.0			12.0	11.0	32.0	33.0	33.0
10061-01-5	cis-1,3-Dichloropropene														
108-10-1	4-Methyl-2-pentanone						13.0	1.7			3.4	0.9 TR	1.0 TR	2.1	2.2
10061-02-6	trans-1,3-Dichloropropene														
79-00-5	1,1,2-Trichloroethane														
108-88-3	Toluene	20.0	24.0	24.0	26.0	22.0	43.0	75.0	20.0	20.0	31.0	28.0	96.0	98.0	100.0
591-78-6	2-Hexanone														
124-48-1	Dibromochloromethane														
106-93-4	1,2-Dibromoethane														
127-18-4	Tetrachloroethene	1.3	0.8 TR	0.8 TR	2.7	2.6	82.0	100.0	2.9	2.9	55.0	60.0	130.0	140.0	140.0
108-90-7	Chlorobenzene														
100-41-4	Ethylbenzene	7.1	8.0	8.3	7.6	7.2	8.6	14.0	5.1	5.1	4.9	4.8	20.0	20.0	20.0
1330-20-7	m- & p-Xylenes	29.0	27.0	29.0	30.0	28.0	36.0	61.0	20.0	20.0	21.0	20.0	85.0	87.0	88.0
75-25-2	Bromoform														
100-42-5	Styrene	3.3	4.3	4.6	4.2	4.6	1.8	1.3	1.0	1.0		0.9 TR	1.3	1.5	1.4
95-47-6	o-Xylene	9.8	7.9	8.5	10.0	9.8	11.0	17.0	6.9	6.9	6.4	6.3	24.0	24.0	24.0
79-34-5	1,1,2,2-Tetrachloroethane														
541-73-1	1,3-Dichlorobenzene														
106-46-7	1,4-Dichlorobenzene							1.4							
95-50-1	1,2-Dichlorobenzene														

TR - trace result. Concentration is below reporting limit of 1.0 ug/m3 for all compounds.

Work Plan

Floyd & Snider, Inc.

Great Western Chemical Company
Ambient Air Sampling Event
Work Plan

BACKGROUND

Great Western Chemical Company (GWCC) has performed investigations as part of the supplemental remedial investigation (SRI) under a MTCA order, and has determined that additional data is needed to complete the SRI. A variety of soil, water and ambient air samples have been obtained on the GWCC property and on adjacent properties. Some groundwater samples have contained volatile organic compounds (VOCs), including tetrachloroethene, trichloroethene, 1,1,1-trichloroethane, 1,2-dichloroethene, 1,1-dichloroethene, 1,2-dichloroethane and vinyl chloride. In the area where groundwater contains these compounds the ground surfaces are paved or consist of compacted sub-grade materials.

OBJECTIVE

This objective of this work is to collect and analyze screening-level ambient air samples from five locations above and in the vicinity of locations where groundwater contains VOCs and from two locations within the GWCC facility. The ambient air samples collected will be analyzed for the VOC constituents listed above. The concentrations found are expected to be in a range that will approach the practical quantification limit (using standard methods) for each analyte.

The data collected will be used as an initial screening of ambient air conditions and will be used to evaluate whether the VOCs of interest may be present (at the locations sampled) at concentrations that exceed levels associated with urban background conditions.

APPROACH TO SAMPLING

Kirk Winges, of McCulley, Frick & Gilman Inc. (MFG, Inc.) has been selected to conduct this work because of his experience in the design and collection of air samples. MFG will work as a subconsultant to FSI.

Air samples will be collected in evacuated stainless steel canisters. Canisters will be obtained from a certified laboratory. The laboratory will be advised that these air samples are expected to be ambient air samples, not source samples. Canisters will be those designated for ambient sampling to avoid canister contamination issues. The canisters will be fitted with flow controllers so that a time-integrated sample is collected. A one-hour collection time is proposed.

The project team will select the final locations for ambient air sampling. A total of 6 locations are proposed. One sample will be collected above well B-58, two samples will collected from locations upwind of well B-58, one sample will be collected immediately downwind of well B-58, ~~and another will be located along the railroad track directly south of well B-58.~~ Samples will be

N. Mulcahy 6/9/00

taken simultaneously, at a ~~breathing air~~ height above the ground level. One additional sample will be obtained at well B-58, approximately ~~18 inches~~ above the ground. Two samples will be obtained from within the GWCC facility. One sample will be obtained from a room on the lower level (nearest the source of groundwater contamination). A second sample will be obtained from an office location that is usually occupied (longest period of potential exposure).

The date and time of sample collection will be based primarily on weather conditions. Ideally, the samples will be collected during dry conditions, with a steady but low velocity wind. High wind, calm, heavy precipitation and highly variable conditions will be avoided. Samples will be collected as close to 8 hours after high tide as is practicable.

ANALYTICAL WORK

Once the samples have been collected, they will be shipped to a laboratory for immediate analysis. The samples will be analyzed using EPA method TO-14, including a request for tentatively identified compounds (TICs). A selective ion monitoring (SIM) approach will be considered for vinyl chloride analyses. Detection limits of 1.0 ppb are typical for such ambient samples. The laboratory is expected to report results within 10 days of receiving samples.

PROJECT SCHEDULE

The samples are to be obtained during the week of ~~May 29~~ June 5, 2000. N. Mulcahy 6/9/00

DELIVERABLES

A brief report that summarizes the work will be prepared. This report will include (1) a summary of the work conducted, (2) the procedures used to collect the samples, (3) a description of the way in which the samples were analyzed, and (4) the results that were obtained and other relevant information (e.g., barometric pressure, tides).

consulting
scientists and
engineers

COPY

MFG, Inc.
19203 36th Avenue W., Suite 101
Lynnwood, WA 98036-5707
425/ 921-4000
Fax: 921-4040

July 3, 2000

Mr. Dan McCarthy
Floyd & Snider, Inc.
83 South King Street, Suite 614
Seattle, WA 98104

Dear Mr. McCarthy:

MFG is pleased to respond to your request for a proposal to conduct additional sampling at the Great Western Chemical facility in Seattle. We understand the purpose of the additional sampling is to augment and/or confirm sampling at indoor locations conducted in June. Since you are familiar with our personnel from the previous effort, I have made this letter proposal very brief. If you desire additional information, it can be provided at your request.

Scope of Work

Four cleaned, evacuated and certified gas canisters will be obtained from the same laboratory as the previous sampling (Performance Analytical). In addition, four flow controllers set for 1 hour sampling as before will be obtained. Sampling will be performed at the two indoor locations, per your request. Two samples will be obtained at each location: one sample from approximately 1 foot above the floor, and the other sample at a "breathing air" height (approximately 5 feet) above the floor. Samples will be marked for 3 day turn-around (30% surcharge). MFG will receive the canisters, collect the samples, return the canisters to the laboratory, and summarize the sampling results in a brief letter report.

Management and Personnel

The entire project will be under my direction. The actual samples will be collected by Mr. Kris Hansen.

Schedule and Costs

We are prepared to commence work on the project immediately upon receipt of authorization to proceed. We will schedule a sample time with you. Costs are summarized in Table 1.

Laboratory Report

Performance Analytical Inc.
Air Quality Laboratory
A Division of Columbia Analytical Services, Inc.
An Employee Owned Company

LABORATORY REPORT

Client:	MFG, INC.	Date of Report:	06/20/00
Address:	19203 36th Avenue West, Suite 101	Date Received:	06/12/00
	Lynnwood, WA 98036	PAI Project No:	P2001425
Contact:	Mr. Kirk Winges	Purchase Order:	Verbal

Client Project ID: Great Western Chem Air Sampling #9525

Seven (7) Stainless Steel Summa Canisters labeled: "9525-01" through "9525-07"

The samples were received at the laboratory under chain of custody on June 12, 2000. The samples were received intact. The client requested and received 3 day rush results. The dates of analysis are indicated on the attached data sheets.

Volatile Organic Compound Analysis

The samples were analyzed by combined gas chromatography/mass spectrometry (GC/MS) for volatile organic compounds. The analyses were performed according to the methodology outlined in EPA Method TO-14A. The analyses were performed by gas chromatography/mass spectrometry, utilizing a direct cryogenic trapping technique. The analytical system used was comprised of a Hewlett Packard Model 5973 GC/MS/DS interfaced to a Tekmar AutoCan Elite whole air inlet system/cryogenic concentrator. A 100% Dimethylpolysiloxane capillary column (RT_x-1, Restek Corporation, Bellefonte, PA) was used to achieve chromatographic separation.

The results of analyses are given on the attached data sheets.

Reviewed and Approved:

Cindy Yoon
Analytical Chemist

Reviewed and Approved:

Chris Parnell
Senior Chemist

Performance Analytical Inc.
Air Quality Laboratory
A Division of Columbia Analytical Services, Inc.
An Employee Owned Company

RESULTS OF ANALYSIS

Client : MFG, Inc.

Client Sample ID : 9525-01
PAI Sample ID : P2001425-001

Test Code : GC/MS EPA TO-14A
Analyst : Cindy Yoon/Wade Henton
Instrument : HP5973/Tekmar AUTOCan Elite
Matrix : Summa Canister
Canister ID : #01232

Date Sampled : 6/9/00
Date Received : 6/12/00
Date Analyzed : 6/12/00
Volume(s) Analyzed : 1.00 Liter

Pi 1 = 0.0 Pf 1 = 3.5
D.F. = 1.24

CAS #	COMPOUND	RESULT µg/m³	REPORTING LIMIT µg/m³	RESULT ppb	REPORTING LIMIT ppb
74-87-3	Chloromethane	ND	1.0	ND	0.48
75-01-4	Vinyl Chloride	ND	1.0	ND	0.39
74-83-9	Bromomethane	ND	1.0	ND	0.26
75-00-3	Chloroethane	ND	1.0	ND	0.38
67-64-1	Acetone	22	1.0	9.2	0.42
75-69-4	Trichlorofluoromethane	96	1.0	17	0.18
75-35-4	1,1-Dichloroethene	ND	1.0	ND	0.25
75-09-2	Methylene chloride	8.5	1.0	2.5	0.29
76-13-1	Trichlorotrifluoroethane	0.71 TR	1.0	0.09 TR	0.13
75-15-0	Carbon Disulfide	ND	1.0	ND	0.32
156-60-5	trans-1,2-Dichloroethene	ND	1.0	ND	0.25
75-34-3	1,1-Dichloroethane	ND	1.0	ND	0.25
1634-04-4	Methyl tert-Butyl Ether	ND	1.0	ND	0.28
108-05-4	Vinyl Acetate	ND	1.0	ND	0.28
78-93-3	2-Butanone	4.7	1.0	1.6	0.34
156-59-2	cis-1,2-Dichloroethene	ND	1.0	ND	0.25
67-66-3	Chloroform	ND	1.0	ND	0.20
107-06-2	1,2-Dichloroethane	ND	1.0	ND	0.25
71-55-6	1,1,1-Trichloroethane	ND	1.0	ND	0.18
71-43-2	Benzene	3.0	1.0	0.94	0.31
56-23-5	Carbon Tetrachloride	ND	1.0	ND	0.16
78-87-5	1,2-Dichloropropane	ND	1.0	ND	0.22

TR = Detected Below Indicated Reporting Limit
ND = Not Detected

Verified By: JC Date: 6/15/00

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Performance Analytical Inc.
Air Quality Laboratory
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RESULTS OF ANALYSIS

Client : MFG, Inc.

Client Sample ID : 9525-01
PAI Sample ID : P2001425-001

Test Code : GC/MS EPA TO-14A
Analyst : Cindy Yoon/Wade Henton
Instrument : HP5973/Tekmar AUTOCan Elite
Matrix : Summa Canister
Canister ID : #01232

Date Sampled : 6/9/00
Date Received : 6/12/00
Date Analyzed : 6/12/00
Volume(s) Analyzed : 1.00 Liter

Pi 1 = 0.0 Pf 1 = 3.5
D.F. = 1.24

CAS #	COMPOUND	RESULT µg/m³	REPORTING LIMIT µg/m³	RESULT ppb	REPORTING LIMIT ppb
75-27-4	Bromodichloromethane	ND	1.0	ND	0.15
79-01-6	Trichloroethene	ND	1.0	ND	0.19
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	ND	0.22
108-10-1	4-Methyl-2-pentanone	ND	1.0	ND	0.24
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	ND	0.22
79-00-5	1,1,2-Trichloroethane	ND	1.0	ND	0.18
108-88-3	Toluene	20	1.0	5.3	0.27
591-78-6	2-Hexanone	ND	1.0	ND	0.24
124-48-1	Dibromochloromethane	ND	1.0	ND	0.12
106-93-4	1,2-Dibromoethane	ND	1.0	ND	0.13
127-18-4	Tetrachloroethene	1.3	1.0	0.19	0.15
108-90-7	Chlorobenzene	ND	1.0	ND	0.22
100-41-4	Ethylbenzene	7.1	1.0	1.6	0.23
1330-20-7	m- & p-Xylenes	29	1.0	6.7	0.23
75-25-2	Bromoform	ND	1.0	ND	0.10
100-42-5	Styrene	3.3	1.0	0.78	0.23
95-47-6	o-Xylene	9.8	1.0	2.2	0.23
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	ND	0.15
541-73-1	1,3-Dichlorobenzene	ND	1.0	ND	0.17
106-46-7	1,4-Dichlorobenzene	ND	1.0	ND	0.17
95-50-1	1,2-Dichlorobenzene	ND	1.0	ND	0.17

TR = Detected Below Indicated Reporting Limit
ND = Not Detected

Verified By: JC Date: 6/15/00

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Performance Analytical Inc.
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RESULTS OF ANALYSIS

Client : MFG, Inc.

Client Sample ID : 9525-02
PAI Sample ID : P2001425-002

Test Code : GC/MS EPA TO-14A
Analyst : Cindy Yoon/Wade Henton
Instrument : HP5973/Tekmar AUTOCan Elite
Matrix : Summa Canister
Canister ID : #01186

Date Sampled : 6/9/00
Date Received : 6/12/00
Date Analyzed : 6/12/00
Volume(s) Analyzed : 1.00 Liter

Pi 1 = 0.7 Pf 1 = 3.5
D.F. = 1.18

CAS #	COMPOUND	RESULT µg/m³	REPORTING LIMIT µg/m³	RESULT ppb	REPORTING LIMIT ppb
74-87-3	Chloromethane	ND	1.0	ND	0.48
75-01-4	Vinyl Chloride	ND	1.0	ND	0.39
74-83-9	Bromomethane	ND	1.0	ND	0.26
75-00-3	Chloroethane	ND	1.0	ND	0.38
67-64-1	Acetone	7.4	1.0	3.1	0.42
75-69-4	Trichlorofluoromethane	130	1.0	23	0.18
75-35-4	1,1-Dichloroethene	ND	1.0	ND	0.25
75-09-2	Methylene chloride	2.6	1.0	0.75	0.29
76-13-1	Trichlorotrifluoroethane	0.76 TR	1.0	0.10 TR	0.13
75-15-0	Carbon Disulfide	ND	1.0	ND	0.32
156-60-5	trans-1,2-Dichloroethene	ND	1.0	ND	0.25
75-34-3	1,1-Dichloroethane	ND	1.0	ND	0.25
1634-04-4	Methyl tert-Butyl Ether	ND	1.0	ND	0.28
108-05-4	Vinyl Acetate	ND	1.0	ND	0.28
78-93-3	2-Butanone	3.4	1.0	1.2	0.34
156-59-2	cis-1,2-Dichloroethene	ND	1.0	ND	0.25
67-66-3	Chloroform	ND	1.0	ND	0.20
107-06-2	1,2-Dichloroethane	ND	1.0	ND	0.25
71-55-6	1,1,1-Trichloroethane	ND	1.0	ND	0.18
71-43-2	Benzene	3.0	1.0	0.94	0.31
56-23-5	Carbon Tetrachloride	ND	1.0	ND	0.16
78-87-5	1,2-Dichloropropane	ND	1.0	ND	0.22

TR = Detected Below Indicated Reporting Limit
ND = Not Detected

Verified By: JC Date: 6/15/00

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RESULTS OF ANALYSIS

Client : MFG, Inc.

Client Sample ID : 9525-02
PAI Sample ID : P2001425-002

Test Code : GC/MS EPA TO-14A
Analyst : Cindy Yoon/Wade Henton
Instrument : HP5973/Tekmar AUTOCan Elite
Matrix : Summa Canister
Canister ID : #01186

Date Sampled : 6/9/00
Date Received : 6/12/00
Date Analyzed : 6/12/00
Volume(s) Analyzed : 1.00 Liter

Pi 1 = 0.7 Pf 1 = 3.5
D.F. = 1.18

CAS #	COMPOUND	RESULT µg/m³	REPORTING LIMIT µg/m³	RESULT ppb	REPORTING LIMIT ppb
75-27-4	Bromodichloromethane	ND	1.0	ND	0.15
79-01-6	Trichloroethene	ND	1.0	ND	0.19
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	ND	0.22
108-10-1	4-Methyl-2-pentanone	ND	1.0	ND	0.24
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	ND	0.22
79-00-5	1,1,2-Trichloroethane	ND	1.0	ND	0.18
108-88-3	Toluene	24	1.0	6.3	0.27
591-78-6	2-Hexanone	ND	1.0	ND	0.24
124-48-1	Dibromochloromethane	ND	1.0	ND	0.12
106-93-4	1,2-Dibromoethane	ND	1.0	ND	0.13
127-18-4	Tetrachloroethene	0.76 TR	1.0	0.11 TR	0.15
108-90-7	Chlorobenzene	ND	1.0	ND	0.22
100-41-4	Ethylbenzene	8.0	1.0	1.8	0.23
1330-20-7	m- & p-Xylenes	27	1.0	6.2	0.23
75-25-2	Bromoform	ND	1.0	ND	0.10
100-42-5	Styrene	4.3	1.0	1.0	0.23
95-47-6	o-Xylene	7.9	1.0	1.8	0.23
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	ND	0.15
541-73-1	1,3-Dichlorobenzene	ND	1.0	ND	0.17
106-46-7	1,4-Dichlorobenzene	ND	1.0	ND	0.17
95-50-1	1,2-Dichlorobenzene	ND	1.0	ND	0.17

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RESULTS OF ANALYSIS

Client : MFG, Inc.

Client Sample ID : 9525-02
PAI Sample ID : P2001425-002DUP

Test Code : GC/MS EPA TO-14A
Analyst : Cindy Yoon/Wade Henton
Instrument : HP5973/Tekmar AUTOCan Elite
Matrix : Summa Canister
Canister ID : #01186

Date Sampled : 6/9/00
Date Received : 6/12/00
Date Analyzed : 6/12/00
Volume(s) Analyzed : 1.00 Liter

Pi 1 = 0.7 Pf 1 = 3.5
D.F. = 1.18

CAS #	COMPOUND	RESULT µg/m³	REPORTING LIMIT µg/m³	RESULT ppb	REPORTING LIMIT ppb
74-87-3	Chloromethane	ND	1.0	ND	0.48
75-01-4	Vinyl Chloride	ND	1.0	ND	0.39
74-83-9	Bromomethane	ND	1.0	ND	0.26
75-00-3	Chloroethane	ND	1.0	ND	0.38
67-64-1	Acetone	7.5	1.0	3.2	0.42
75-69-4	Trichlorofluoromethane	130	1.0	24	0.18
75-35-4	1,1-Dichloroethene	ND	1.0	ND	0.25
75-09-2	Methylene chloride	2.6	1.0	0.75	0.29
76-13-1	Trichlorotrifluoroethane	0.80 TR	1.0	0.10 TR	0.13
75-15-0	Carbon Disulfide	ND	1.0	ND	0.32
156-60-5	trans-1,2-Dichloroethene	ND	1.0	ND	0.25
75-34-3	1,1-Dichloroethane	ND	1.0	ND	0.25
1634-04-4	Methyl tert-Butyl Ether	ND	1.0	ND	0.28
108-05-4	Vinyl Acetate	ND	1.0	ND	0.28
78-93-3	2-Butanone	3.5	1.0	1.2	0.34
156-59-2	cis-1,2-Dichloroethene	ND	1.0	ND	0.25
67-66-3	Chloroform	ND	1.0	ND	0.20
107-06-2	1,2-Dichloroethane	ND	1.0	ND	0.25
71-55-6	1,1,1-Trichloroethane	ND	1.0	ND	0.18
71-43-2	Benzene	3.1	1.0	0.96	0.31
56-23-5	Carbon Tetrachloride	ND	1.0	ND	0.16
78-87-5	1,2-Dichloropropane	ND	1.0	ND	0.22

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ND = Not Detected

Verified By: JC Date: 6/15/00

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RESULTS OF ANALYSIS

Client : MFG, Inc.

Client Sample ID : 9525-02
PAI Sample ID : P2001425-002DUP

Test Code : GC/MS EPA TO-14A
Analyst : Cindy Yoon/Wade Henton
Instrument : HP5973/Tekmar AUTOCan Elite
Matrix : Summa Canister
Canister ID : #01186

Date Sampled : 6/9/00
Date Received : 6/12/00
Date Analyzed : 6/12/00
Volume(s) Analyzed : 1.00 Liter

Pi 1 = 0.7 Pf 1 = 3.5
D.F. = 1.18

CAS #	COMPOUND	RESULT µg/m³	REPORTING LIMIT µg/m³	RESULT ppb	REPORTING LIMIT ppb
75-27-4	Bromodichloromethane	ND	1.0	ND	0.15
79-01-6	Trichloroethene	ND	1.0	ND	0.19
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	ND	0.22
108-10-1	4-Methyl-2-pentanone	ND	1.0	ND	0.24
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	ND	0.22
79-00-5	1,1,2-Trichloroethane	ND	1.0	ND	0.18
108-88-3	Toluene	24	1.0	6.5	0.27
591-78-6	2-Hexanone	ND	1.0	ND	0.24
124-48-1	Dibromochloromethane	ND	1.0	ND	0.12
106-93-4	1,2-Dibromoethane	ND	1.0	ND	0.13
127-18-4	Tetrachloroethene	0.80 TR	1.0	0.12 TR	0.15
108-90-7	Chlorobenzene	ND	1.0	ND	0.22
100-41-4	Ethylbenzene	8.3	1.0	1.9	0.23
1330-20-7	m- & p-Xylenes	29	1.0	6.6	0.23
75-25-2	Bromoform	ND	1.0	ND	0.10
100-42-5	Styrene	4.6	1.0	1.1	0.23
95-47-6	o-Xylene	8.5	1.0	2.0	0.23
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	ND	0.15
541-73-1	1,3-Dichlorobenzene	ND	1.0	ND	0.17
106-46-7	1,4-Dichlorobenzene	ND	1.0	ND	0.17
95-50-1	1,2-Dichlorobenzene	ND	1.0	ND	0.17

TR = Detected Below Indicated Reporting Limit
ND = Not Detected

Verified By: JC Date: 6/15/00

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RESULTS OF ANALYSIS

Client : MFG, Inc.

Client Sample ID : 9525-03
PAI Sample ID : P2001425-003

Test Code : GC/MS EPA TO-14A
Analyst : Cindy Yoon/Wade Henton
Instrument : HP5973/Tekmar AUTOCan Elite
Matrix : Summa Canister
Canister ID : #01343

Date Sampled : 6/9/00
Date Received : 6/12/00
Date Analyzed : 6/13/00
Volume(s) Analyzed : 1.00 Liter

Pi 1 = -0.2 Pf 1 = 3.5
D.F. = 1.26

CAS #	COMPOUND	RESULT µg/m³	REPORTING LIMIT µg/m³	RESULT ppb	REPORTING LIMIT ppb
74-87-3	Chloromethane	ND	1.0	ND	0.48
75-01-4	Vinyl Chloride	ND	1.0	ND	0.39
74-83-9	Bromomethane	ND	1.0	ND	0.26
75-00-3	Chloroethane	ND	1.0	ND	0.38
67-64-1	Acetone	15	1.0	6.2	0.42
75-69-4	Trichlorofluoromethane	84	1.0	15	0.18
75-35-4	1,1-Dichloroethene	ND	1.0	ND	0.25
75-09-2	Methylene chloride	8.4	1.0	2.4	0.29
76-13-1	Trichlorotrifluoroethane	0.81 TR	1.0	0.11 TR	0.13
75-15-0	Carbon Disulfide	ND	1.0	ND	0.32
156-60-5	trans-1,2-Dichloroethene	ND	1.0	ND	0.25
75-34-3	1,1-Dichloroethane	ND	1.0	ND	0.25
1634-04-4	Methyl tert-Butyl Ether	ND	1.0	ND	0.28
108-05-4	Vinyl Acetate	ND	1.0	ND	0.28
78-93-3	2-Butanone	5.6	1.0	1.9	0.34
156-59-2	cis-1,2-Dichloroethene	ND	1.0	ND	0.25
67-66-3	Chloroform	ND	1.0	ND	0.20
107-06-2	1,2-Dichloroethane	ND	1.0	ND	0.25
71-55-6	1,1,1-Trichloroethane	ND	1.0	ND	0.18
71-43-2	Benzene	4.0	1.0	1.3	0.31
56-23-5	Carbon Tetrachloride	ND	1.0	ND	0.16
78-87-5	1,2-Dichloropropane	ND	1.0	ND	0.22

TR = Detected Below Indicated Reporting Limit
ND = Not Detected

Verified By: JC Date: 6/15/00

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RESULTS OF ANALYSIS

Client : MFG, Inc.

Client Sample ID : 9525-03
PAI Sample ID : P2001425-003

Test Code : GC/MS EPA TO-14A
Analyst : Cindy Yoon/Wade Henton
Instrument : HP5973/Tekmar AUTOCan Elite
Matrix : Summa Canister
Canister ID : #01343

Date Sampled : 6/9/00
Date Received : 6/12/00
Date Analyzed : 6/13/00
Volume(s) Analyzed : 1.00 Liter

Pi 1 = -0.2 Pf 1 = 3.5
D.F. = 1.26

CAS #	COMPOUND	RESULT µg/m³	REPORTING LIMIT µg/m³	RESULT ppb	REPORTING LIMIT ppb
75-27-4	Bromodichloromethane	ND	1.0	ND	0.15
79-01-6	Trichloroethene	ND	1.0	ND	0.19
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	ND	0.22
108-10-1	4-Methyl-2-pentanone	ND	1.0	ND	0.24
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	ND	0.22
79-00-5	1,1,2-Trichloroethane	ND	1.0	ND	0.18
108-88-3	Toluene	26	1.0	6.9	0.27
591-78-6	2-Hexanone	ND	1.0	ND	0.24
124-48-1	Dibromochloromethane	ND	1.0	ND	0.12
106-93-4	1,2-Dibromoethane	ND	1.0	ND	0.13
127-18-4	Tetrachloroethene	2.7	1.0	0.39	0.15
108-90-7	Chlorobenzene	ND	1.0	ND	0.22
100-41-4	Ethylbenzene	7.6	1.0	1.8	0.23
1330-20-7	m- & p-Xylenes	30	1.0	6.9	0.23
75-25-2	Bromoform	ND	1.0	ND	0.10
100-42-5	Styrene	4.2	1.0	0.98	0.23
95-47-6	o-Xylene	10	1.0	2.4	0.23
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	ND	0.15
541-73-1	1,3-Dichlorobenzene	ND	1.0	ND	0.17
106-46-7	1,4-Dichlorobenzene	ND	1.0	ND	0.17
95-50-1	1,2-Dichlorobenzene	ND	1.0	ND	0.17

TR = Detected Below Indicated Reporting Limit
ND = Not Detected

Verified By: JL Date: 6/15/00

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RESULTS OF ANALYSIS

Client : MFG, Inc.

Client Sample ID : 9525-04
PAI Sample ID : P2001425-004

Test Code : GC/MS EPA TO-14A
Analyst : Cindy Yoon/Wade Henton
Instrument : HP5973/Tekmar AUTOCan Elite
Matrix : Summa Canister
Canister ID : #01166

Date Sampled : 6/9/00
Date Received : 6/12/00
Date Analyzed : 6/13/00
Volume(s) Analyzed : 1.00 Liter

Pi 1 = -1.8 Pf 1 = 3.5
D.F. = 1.41

CAS #	COMPOUND	RESULT µg/m³	REPORTING LIMIT µg/m³	RESULT ppb	REPORTING LIMIT ppb
74-87-3	Chloromethane	ND	1.0	ND	0.48
75-01-4	Vinyl Chloride	ND	1.0	ND	0.39
74-83-9	Bromomethane	ND	1.0	ND	0.26
75-00-3	Chloroethane	ND	1.0	ND	0.38
67-64-1	Acetone	13	1.0	5.6	0.42
75-69-4	Trichlorofluoromethane	87	1.0	15	0.18
75-35-4	1,1-Dichloroethene	ND	1.0	ND	0.25
75-09-2	Methylene chloride	8.8	1.0	2.5	0.29
76-13-1	Trichlorotrifluoroethane	0.80 TR	1.0	0.10 TR	0.13
75-15-0	Carbon Disulfide	ND	1.0	ND	0.32
156-60-5	trans-1,2-Dichloroethene	ND	1.0	ND	0.25
75-34-3	1,1-Dichloroethane	ND	1.0	ND	0.25
1634-04-4	Methyl tert-Butyl Ether	ND	1.0	ND	0.28
108-05-4	Vinyl Acetate	ND	1.0	ND	0.28
78-93-3	2-Butanone	3.8	1.0	1.3	0.34
156-59-2	cis-1,2-Dichloroethene	ND	1.0	ND	0.25
67-66-3	Chloroform	ND	1.0	ND	0.20
107-06-2	1,2-Dichloroethane	ND	1.0	ND	0.25
71-55-6	1,1,1-Trichloroethane	ND	1.0	ND	0.18
71-43-2	Benzene	4.0	1.0	1.2	0.31
56-23-5	Carbon Tetrachloride	ND	1.0	ND	0.16
78-87-5	1,2-Dichloropropane	ND	1.0	ND	0.22

TR = Detected Below Indicated Reporting Limit
ND = Not Detected

Verified By: JC Date: 6/15/00

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RESULTS OF ANALYSIS

Client : MFG, Inc.

Client Sample ID : 9525-04
PAI Sample ID : P2001425-004

Test Code : GC/MS EPA TO-14A
Analyst : Cindy Yoon/Wade Henton
Instrument : HP5973/Tekmar AUTOCan Elite
Matrix : Summa Canister
Canister ID : #01166

Date Sampled : 6/9/00
Date Received : 6/12/00
Date Analyzed : 6/13/00
Volume(s) Analyzed : 1.00 Liter

Pi 1 = -1.8 Pf 1 = 3.5
D.F. = 1.41

CAS #	COMPOUND	RESULT µg/m³	REPORTING LIMIT µg/m³	RESULT ppb	REPORTING LIMIT ppb
75-27-4	Bromodichloromethane	ND	1.0	ND	0.15
79-01-6	Trichloroethene	ND	1.0	ND	0.19
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	ND	0.22
108-10-1	4-Methyl-2-pentanone	ND	1.0	ND	0.24
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	ND	0.22
79-00-5	1,1,2-Trichloroethane	ND	1.0	ND	0.18
108-88-3	Toluene	22	1.0	5.7	0.27
591-78-6	2-Hexanone	ND	1.0	ND	0.24
124-48-1	Dibromochloromethane	ND	1.0	ND	0.12
106-93-4	1,2-Dibromoethane	ND	1.0	ND	0.13
127-18-4	Tetrachloroethene	2.6	1.0	0.38	0.15
108-90-7	Chlorobenzene	ND	1.0	ND	0.22
100-41-4	Ethylbenzene	7.2	1.0	1.7	0.23
1330-20-7	m- & p-Xylenes	28	1.0	6.5	0.23
75-25-2	Bromoform	ND	1.0	ND	0.10
100-42-5	Styrene	4.6	1.0	1.1	0.23
95-47-6	o-Xylene	9.8	1.0	2.2	0.23
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	ND	0.15
541-73-1	1,3-Dichlorobenzene	ND	1.0	ND	0.17
106-46-7	1,4-Dichlorobenzene	ND	1.0	ND	0.17
95-50-1	1,2-Dichlorobenzene	ND	1.0	ND	0.17

TR = Detected Below Indicated Reporting Limit
ND = Not Detected

Verified By: JC Date: 6/15/00

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Performance Analytical Inc.
Air Quality Laboratory
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RESULTS OF ANALYSIS

Client : MFG, Inc.

Client Sample ID : 9525-05
PAI Sample ID : P2001425-005

Test Code : GC/MS EPA TO-14A
Analyst : Cindy Yoon/Wade Henton
Instrument : HP5973/Tekmar AUTOCan Elite
Matrix : Summa Canister
Canister ID : #01344

Date Sampled : 6/9/00
Date Received : 6/12/00
Date Analyzed : 6/13/00
Volume(s) Analyzed : 1.00 Liter

Pi 1 = -3.4 Pf 1 = 3.5
D.F. = 1.61

CAS #	COMPOUND	RESULT µg/m³	REPORTING LIMIT µg/m³	RESULT ppb	REPORTING LIMIT ppb
74-87-3	Chloromethane	ND	1.0	ND	0.48
75-01-4	Vinyl Chloride	ND	1.0	ND	0.39
74-83-9	Bromomethane	ND	1.0	ND	0.26
75-00-3	Chloroethane	ND	1.0	ND	0.38
67-64-1	Acetone	35	1.0	15	0.42
75-69-4	Trichlorofluoromethane	14	1.0	2.5	0.18
75-35-4	1,1-Dichloroethene	ND	1.0	ND	0.25
75-09-2	Methylene chloride	20	1.0	5.8	0.29
76-13-1	Trichlorotrifluoroethane	0.82 TR	1.0	0.11 TR	0.13
75-15-0	Carbon Disulfide	2.2	1.0	0.69	0.32
156-60-5	trans-1,2-Dichloroethene	ND	1.0	ND	0.25
75-34-3	1,1-Dichloroethane	ND	1.0	ND	0.25
1634-04-4	Methyl tert-Butyl Ether	ND	1.0	ND	0.28
108-05-4	Vinyl Acetate	ND	1.0	ND	0.28
78-93-3	2-Butanone	4.8	1.0	1.6	0.34
156-59-2	cis-1,2-Dichloroethene	4.6	1.0	1.2	0.25
67-66-3	Chloroform	4.6	1.0	0.94	0.20
107-06-2	1,2-Dichloroethane	ND	1.0	ND	0.25
71-55-6	1,1,1-Trichloroethane	1.2	1.0	0.22	0.18
71-43-2	Benzene	6.2	1.0	2.0	0.31
56-23-5	Carbon Tetrachloride	ND	1.0	ND	0.16
78-87-5	1,2-Dichloropropane	ND	1.0	ND	0.22

TR = Detected Below Indicated Reporting Limit
ND = Not Detected

Verified By: JC Date: 6/15/00

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RESULTS OF ANALYSIS

Client : MFG, Inc.

Client Sample ID : 9525-05
PAI Sample ID : P2001425-005

Test Code : GC/MS EPA TO-14A
Analyst : Cindy Yoon/Wade Henton
Instrument : HP5973/Tekmar AUTOCan Elite
Matrix : Summa Canister
Canister ID : #01344

Date Sampled : 6/9/00
Date Received : 6/12/00
Date Analyzed : 6/13/00
Volume(s) Analyzed : 1.00 Liter

Pi 1 = -3.4 Pf 1 = 3.5
D.F. = 1.61

CAS #	COMPOUND	RESULT µg/m³	REPORTING LIMIT µg/m³	RESULT ppb	REPORTING LIMIT ppb
75-27-4	Bromodichloromethane	ND	1.0	ND	0.15
79-01-6	Trichloroethene	13	1.0	2.4	0.19
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	ND	0.22
108-10-1	4-Methyl-2-pentanone	1.3	1.0	0.32	0.24
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	ND	0.22
79-00-5	1,1,2-Trichloroethane	ND	1.0	ND	0.18
108-88-3	Toluene	43	1.0	11	0.27
591-78-6	2-Hexanone	ND	1.0	ND	0.24
124-48-1	Dibromochloromethane	ND	1.0	ND	0.12
106-93-4	1,2-Dibromoethane	ND	1.0	ND	0.13
127-18-4	Tetrachloroethene	82	1.0	12	0.15
108-90-7	Chlorobenzene	ND	1.0	ND	0.22
100-41-4	Ethylbenzene	8.6	1.0	2.0	0.23
1330-20-7	m- & p-Xylenes	36	1.0	8.2	0.23
75-25-2	Bromoform	ND	1.0	ND	0.10
100-42-5	Styrene	1.8	1.0	0.42	0.23
95-47-6	o-Xylene	11	1.0	2.6	0.23
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	ND	0.15
541-73-1	1,3-Dichlorobenzene	ND	1.0	ND	0.17
106-46-7	1,4-Dichlorobenzene	ND	1.0	ND	0.17
95-50-1	1,2-Dichlorobenzene	ND	1.0	ND	0.17

TR = Detected Below Indicated Reporting Limit
ND = Not Detected

Verified By: JC Date: 6/15/00

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RESULTS OF ANALYSIS

Client : MFG, Inc.

Client Sample ID : 9525-06
PAI Sample ID : P2001425-006

Test Code : GC/MS EPA TO-14A
Analyst : Cindy Yoon/Wade Henton
Instrument : HP5973/Tekmar AUTOCan Elite
Matrix : Summa Canister
Canister ID : #01371

Date Sampled : 6/9/00
Date Received : 6/12/00
Date Analyzed : 6/13/00
Volume(s) Analyzed : 1.00 Liter

Pi 1 = -0.4 Pf 1 = 3.5
D.F. = 1.27

CAS #	COMPOUND	RESULT µg/m³	REPORTING LIMIT µg/m³	RESULT ppb	REPORTING LIMIT ppb
74-87-3	Chloromethane	ND	1.0	ND	0.48
75-01-4	Vinyl Chloride	ND	1.0	ND	0.39
74-83-9	Bromomethane	ND	1.0	ND	0.26
75-00-3	Chloroethane	ND	1.0	ND	0.38
67-64-1	Acetone	29	1.0	12	0.42
75-69-4	Trichlorofluoromethane	13	1.0	2.3	0.18
75-35-4	1,1-Dichloroethene	ND	1.0	ND	0.25
75-09-2	Methylene chloride	43	1.0	12	0.29
76-13-1	Trichlorotrifluoroethane	0.77 TR	1.0	0.10 TR	0.13
75-15-0	Carbon Disulfide	2.0	1.0	0.63	0.32
156-60-5	trans-1,2-Dichloroethene	ND	1.0	ND	0.25
75-34-3	1,1-Dichloroethane	ND	1.0	ND	0.25
1634-04-4	Methyl tert-Butyl Ether	ND	1.0	ND	0.28
108-05-4	Vinyl Acetate	ND	1.0	ND	0.28
78-93-3	2-Butanone	4.2	1.0	1.4	0.34
156-59-2	cis-1,2-Dichloroethene	11	1.0	2.7	0.25
67-66-3	Chloroform	5.1	1.0	1.1	0.20
107-06-2	1,2-Dichloroethane	ND	1.0	ND	0.25
71-55-6	1,1,1-Trichloroethane	1.4	1.0	0.25	0.18
71-43-2	Benzene	9.8	1.0	3.1	0.31
56-23-5	Carbon Tetrachloride	0.67 TR	1.0	0.11 TR	0.16
78-87-5	1,2-Dichloropropane	ND	1.0	ND	0.22

TR = Detected Below Indicated Reporting Limit
ND = Not Detected

Verified By: JC Date: 6/15/00

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RESULTS OF ANALYSIS

Client : MFG, Inc.

Client Sample ID : 9525-06
PAI Sample ID : P2001425-006

Test Code : GC/MS EPA TO-14A
Analyst : Cindy Yoon/Wade Henton
Instrument : HP5973/Tekmar AUTOCan Elite
Matrix : Summa Canister
Canister ID : #01371

Date Sampled : 6/9/00
Date Received : 6/12/00
Date Analyzed : 6/13/00
Volume(s) Analyzed : 1.00 Liter

Pi 1 = -0.4 Pf 1 = 3.5
D.F. = 1.27

CAS #	COMPOUND	RESULT µg/m³	REPORTING LIMIT µg/m³	RESULT ppb	REPORTING LIMIT ppb
75-27-4	Bromodichloromethane	ND	1.0	ND	0.15
79-01-6	Trichloroethene	22	1.0	4.0	0.19
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	ND	0.22
108-10-1	4-Methyl-2-pentanone	1.7	1.0	0.41	0.24
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	ND	0.22
79-00-5	1,1,2-Trichloroethane	ND	1.0	ND	0.18
108-88-3	Toluene	75	1.0	20	0.27
591-78-6	2-Hexanone	ND	1.0	ND	0.24
124-48-1	Dibromochloromethane	ND	1.0	ND	0.12
106-93-4	1,2-Dibromoethane	ND	1.0	ND	0.13
127-18-4	Tetrachloroethene	100	1.0	15	0.15
108-90-7	Chlorobenzene	ND	1.0	ND	0.22
100-41-4	Ethylbenzene	14	1.0	3.3	0.23
1330-20-7	m- & p-Xylenes	61	1.0	14	0.23
75-25-2	Bromoform	ND	1.0	ND	0.10
100-42-5	Styrene	1.3	1.0	0.31	0.23
95-47-6	o-Xylene	17	1.0	3.9	0.23
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	ND	0.15
541-73-1	1,3-Dichlorobenzene	ND	1.0	ND	0.17
106-46-7	1,4-Dichlorobenzene	1.4	1.0	0.23	0.17
95-50-1	1,2-Dichlorobenzene	ND	1.0	ND	0.17

TR = Detected Below Indicated Reporting Limit
ND = Not Detected

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RESULTS OF ANALYSIS

Client : MFG, Inc.

Client Sample ID : 9525-07
PAI Sample ID : P2001425-007

Test Code : GC/MS EPA TO-14A
Analyst : Cindy Yoon/Wade Henton
Instrument : HP5973/Tekmar AUTOCan Elite
Matrix : Summa Canister
Canister ID : #00441

Date Sampled : 6/9/00
Date Received : 6/12/00
Date Analyzed : 6/13/00
Volume(s) Analyzed : 1.00 Liter

Pi 1 = -2.6 Pf 1 = 3.5
D.F. = 1.50

CAS #	COMPOUND	RESULT µg/m³	REPORTING LIMIT µg/m³	RESULT ppb	REPORTING LIMIT ppb
74-87-3	Chloromethane	ND	1.0	ND	0.48
75-01-4	Vinyl Chloride	ND	1.0	ND	0.39
74-83-9	Bromomethane	ND	1.0	ND	0.26
75-00-3	Chloroethane	ND	1.0	ND	0.38
67-64-1	Acetone	12	1.0	5.1	0.42
75-69-4	Trichlorofluoromethane	3.8	1.0	0.67	0.18
75-35-4	1,1-Dichloroethene	ND	1.0	ND	0.25
75-09-2	Methylene chloride	7.9	1.0	2.3	0.29
76-13-1	Trichlorotrifluoroethane	0.78 TR	1.0	0.10 TR	0.13
75-15-0	Carbon Disulfide	1.8	1.0	0.58	0.32
156-60-5	trans-1,2-Dichloroethene	ND	1.0	ND	0.25
75-34-3	1,1-Dichloroethane	ND	1.0	ND	0.25
1634-04-4	Methyl tert-Butyl Ether	ND	1.0	ND	0.28
108-05-4	Vinyl Acetate	ND	1.0	ND	0.28
78-93-3	2-Butanone	4.1	1.0	1.4	0.34
156-59-2	cis-1,2-Dichloroethene	ND	1.0	ND	0.25
67-66-3	Chloroform	ND	1.0	ND	0.20
107-06-2	1,2-Dichloroethane	ND	1.0	ND	0.25
71-55-6	1,1,1-Trichloroethane	ND	1.0	ND	0.18
71-43-2	Benzene	2.0	1.0	0.62	0.31
56-23-5	Carbon Tetrachloride	ND	1.0	ND	0.16
78-87-5	1,2-Dichloropropane	ND	1.0	ND	0.22

TR = Detected Below Indicated Reporting Limit
ND = Not Detected

Verified By: JC Date: 6/15/00

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RESULTS OF ANALYSIS

Client : MFG, Inc.

Client Sample ID : 9525-07
PAI Sample ID : P2001425-007

Test Code : GC/MS EPA TO-14A
Analyst : Cindy Yoon/Wade Henton
Instrument : HP5973/Tekmar AUTOCan Elite
Matrix : Summa Canister
Canister ID : #00441

Date Sampled : 6/9/00
Date Received : 6/12/00
Date Analyzed : 6/13/00
Volume(s) Analyzed : 1.00 Liter

Pi 1 = -2.6 Pf 1 = 3.5
D.F. = 1.50

CAS #	COMPOUND	RESULT µg/m³	REPORTING LIMIT µg/m³	RESULT ppb	REPORTING LIMIT ppb
75-27-4	Bromodichloromethane	ND	1.0	ND	0.15
79-01-6	Trichloroethene	ND	1.0	ND	0.19
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	ND	0.22
108-10-1	4-Methyl-2-pentanone	ND	1.0	ND	0.24
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	ND	0.22
79-00-5	1,1,2-Trichloroethane	ND	1.0	ND	0.18
108-88-3	Toluene	20	1.0	5.2	0.27
591-78-6	2-Hexanone	ND	1.0	ND	0.24
124-48-1	Dibromochloromethane	ND	1.0	ND	0.12
106-93-4	1,2-Dibromoethane	ND	1.0	ND	0.13
127-18-4	Tetrachloroethene	2.9	1.0	0.42	0.15
108-90-7	Chlorobenzene	ND	1.0	ND	0.22
100-41-4	Ethylbenzene	5.1	1.0	1.2	0.23
1330-20-7	m- & p-Xylenes	20	1.0	4.7	0.23
75-25-2	Bromoform	ND	1.0	ND	0.10
100-42-5	Styrene	1.0	1.0	0.24	0.23
95-47-6	o-Xylene	6.9	1.0	1.6	0.23
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	ND	0.15
541-73-1	1,3-Dichlorobenzene	ND	1.0	ND	0.17
106-46-7	1,4-Dichlorobenzene	ND	1.0	ND	0.17
95-50-1	1,2-Dichlorobenzene	ND	1.0	ND	0.17

TR = Detected Below Indicated Reporting Limit
ND = Not Detected

Verified By: JC Date: 6/15/00

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RESULTS OF ANALYSIS

Client : MFG, Inc.

Client Sample ID : 9525-07
PAI Sample ID : P2001425-007DUP

Test Code : GC/MS EPA TO-14A
Analyst : Cindy Yoon/Wade Henton
Instrument : HP5973/Tekmar AUTOCan Elite
Matrix : Summa Canister
Canister ID : #00441

Date Sampled : 6/9/00
Date Received : 6/12/00
Date Analyzed : 6/13/00
Volume(s) Analyzed : 1.00 Liter

Pi 1 = -2.6 Pf 1 = 3.5
D.F. = 1.50

CAS #	COMPOUND	RESULT µg/m³	REPORTING LIMIT µg/m³	RESULT ppb	REPORTING LIMIT ppb
74-87-3	Chloromethane	ND	1.0	ND	0.48
75-01-4	Vinyl Chloride	ND	1.0	ND	0.39
74-83-9	Bromomethane	ND	1.0	ND	0.26
75-00-3	Chloroethane	ND	1.0	ND	0.38
67-64-1	Acetone	12	1.0	5.2	0.42
75-69-4	Trichlorofluoromethane	3.9	1.0	0.70	0.18
75-35-4	1,1-Dichloroethene	ND	1.0	ND	0.25
75-09-2	Methylene chloride	7.9	1.0	2.3	0.29
76-13-1	Trichlorotrifluoroethane	0.75 TR	1.0	0.10 TR	0.13
75-15-0	Carbon Disulfide	1.8	1.0	0.59	0.32
156-60-5	trans-1,2-Dichloroethene	ND	1.0	ND	0.25
75-34-3	1,1-Dichloroethane	ND	1.0	ND	0.25
1634-04-4	Methyl tert-Butyl Ether	ND	1.0	ND	0.28
108-05-4	Vinyl Acetate	ND	1.0	ND	0.28
78-93-3	2-Butanone	3.9	1.0	1.3	0.34
156-59-2	cis-1,2-Dichloroethene	ND	1.0	ND	0.25
67-66-3	Chloroform	ND	1.0	ND	0.20
107-06-2	1,2-Dichloroethane	ND	1.0	ND	0.25
71-55-6	1,1,1-Trichloroethane	ND	1.0	ND	0.18
71-43-2	Benzene	2.0	1.0	0.62	0.31
56-23-5	Carbon Tetrachloride	ND	1.0	ND	0.16
78-87-5	1,2-Dichloropropane	ND	1.0	ND	0.22

TR = Detected Below Indicated Reporting Limit
ND = Not Detected

Verified By: JC Date: 6/15/00

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RESULTS OF ANALYSIS

Client : MFG, Inc.

Client Sample ID : 9525-07
PAI Sample ID : P2001425-007DUP

Test Code : GC/MS EPA TO-14A
Analyst : Cindy Yoon/Wade Henton
Instrument : HP5973/Tekmar AUTOCan Elite
Matrix : Summa Canister
Canister ID : #00441

Date Sampled : 6/9/00
Date Received : 6/12/00
Date Analyzed : 6/13/00
Volume(s) Analyzed : 1.00 Liter

Pi 1 = -2.6 Pf 1 = 3.5
D.F. = 1.50

CAS #	COMPOUND	RESULT µg/m³	REPORTING LIMIT µg/m³	RESULT ppb	REPORTING LIMIT ppb
75-27-4	Bromodichloromethane	ND	1.0	ND	0.15
79-01-6	Trichloroethene	ND	1.0	ND	0.19
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	ND	0.22
108-10-1	4-Methyl-2-pentanone	ND	1.0	ND	0.24
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	ND	0.22
79-00-5	1,1,2-Trichloroethane	ND	1.0	ND	0.18
108-88-3	Toluene	20	1.0	5.3	0.27
591-78-6	2-Hexanone	ND	1.0	ND	0.24
124-48-1	Dibromochloromethane	ND	1.0	ND	0.12
106-93-4	1,2-Dibromoethane	ND	1.0	ND	0.13
127-18-4	Tetrachloroethene	2.9	1.0	0.42	0.15
108-90-7	Chlorobenzene	ND	1.0	ND	0.22
100-41-4	Ethylbenzene	5.1	1.0	1.2	0.23
1330-20-7	m- & p-Xylenes	20	1.0	4.7	0.23
75-25-2	Bromoform	ND	1.0	ND	0.10
100-42-5	Styrene	1.0	1.0	0.24	0.23
95-47-6	o-Xylene	6.9	1.0	1.6	0.23
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	ND	0.15
541-73-1	1,3-Dichlorobenzene	ND	1.0	ND	0.17
106-46-7	1,4-Dichlorobenzene	ND	1.0	ND	0.17
95-50-1	1,2-Dichlorobenzene	ND	1.0	ND	0.17

TR = Detected Below Indicated Reporting Limit
ND = Not Detected

Verified By: JC Date: 6/15/00

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RESULTS OF ANALYSIS

Client : MFG, Inc.

Client Sample ID : Method Blank
PAI Sample ID : P000612-MB

Test Code : GC/MS EPA TO-14A
Analyst : Cindy Yoon/Wade Henton
Instrument : HP5973/Tekmar AUTOCan Elite
Matrix : Summa Canister

Date Sampled : N/A
Date Received : N/A
Date Analyzed : 6/12/00
Volume(s) Analyzed : 1.00 Liter

D.F. = 1.00

CAS #	COMPOUND	RESULT µg/m³	REPORTING LIMIT µg/m³	RESULT ppb	REPORTING LIMIT ppb
74-87-3	Chloromethane	ND	1.0	ND	0.48
75-01-4	Vinyl Chloride	ND	1.0	ND	0.39
74-83-9	Bromomethane	ND	1.0	ND	0.26
75-00-3	Chloroethane	ND	1.0	ND	0.38
67-64-1	Acetone	ND	1.0	ND	0.42
75-69-4	Trichlorofluoromethane	ND	1.0	ND	0.18
75-35-4	1,1-Dichloroethene	ND	1.0	ND	0.25
75-09-2	Methylene chloride	ND	1.0	ND	0.29
76-13-1	Trichlorotrifluoroethane	ND	1.0	ND	0.13
75-15-0	Carbon Disulfide	ND	1.0	ND	0.32
156-60-5	trans-1,2-Dichloroethene	ND	1.0	ND	0.25
75-34-3	1,1-Dichloroethane	ND	1.0	ND	0.25
1634-04-4	Methyl tert-Butyl Ether	ND	1.0	ND	0.28
108-05-4	Vinyl Acetate	ND	1.0	ND	0.28
78-93-3	2-Butanone	ND	1.0	ND	0.34
156-59-2	cis-1,2-Dichloroethene	ND	1.0	ND	0.25
67-66-3	Chloroform	ND	1.0	ND	0.20
107-06-2	1,2-Dichloroethane	ND	1.0	ND	0.25
71-55-6	1,1,1-Trichloroethane	ND	1.0	ND	0.18
71-43-2	Benzene	ND	1.0	ND	0.31
56-23-5	Carbon Tetrachloride	ND	1.0	ND	0.16
78-87-5	1,2-Dichloropropane	ND	1.0	ND	0.22

TR = Detected Below Indicated Reporting Limit
ND = Not Detected

Verified By: JC Date: 6/15/00

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Performance Analytical Inc.
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RESULTS OF ANALYSIS

Client : MFG, Inc.

Client Sample ID : Method Blank
PAI Sample ID : P000612-MB

Test Code : GC/MS EPA TO-14A
Analyst : Cindy Yoon/Wade Henton
Instrument : HP5973/Tekmar AUTOCan Elite
Matrix : Summa Canister

Date Sampled : N/A
Date Received : N/A
Date Analyzed : 6/12/00
Volume(s) Analyzed : 1.00 Liter

D.F. = 1.00

CAS #	COMPOUND	RESULT µg/m³	REPORTING LIMIT µg/m³	RESULT ppb	REPORTING LIMIT ppb
75-27-4	Bromodichloromethane	ND	1.0	ND	0.15
79-01-6	Trichloroethene	ND	1.0	ND	0.19
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	ND	0.22
108-10-1	4-Methyl-2-pentanone	ND	1.0	ND	0.24
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	ND	0.22
79-00-5	1,1,2-Trichloroethane	ND	1.0	ND	0.18
108-88-3	Toluene	ND	1.0	ND	0.27
591-78-6	2-Hexanone	ND	1.0	ND	0.24
124-48-1	Dibromochloromethane	ND	1.0	ND	0.12
106-93-4	1,2-Dibromoethane	ND	1.0	ND	0.13
127-18-4	Tetrachloroethene	ND	1.0	ND	0.15
108-90-7	Chlorobenzene	ND	1.0	ND	0.22
100-41-4	Ethylbenzene	ND	1.0	ND	0.23
1330-20-7	m- & p-Xylenes	ND	1.0	ND	0.23
75-25-2	Bromoform	ND	1.0	ND	0.10
100-42-5	Styrene	ND	1.0	ND	0.23
95-47-6	o-Xylene	ND	1.0	ND	0.23
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	ND	0.15
541-73-1	1,3-Dichlorobenzene	ND	1.0	ND	0.17
106-46-7	1,4-Dichlorobenzene	ND	1.0	ND	0.17
95-50-1	1,2-Dichlorobenzene	ND	1.0	ND	0.17

TR = Detected Below Indicated Reporting Limit
ND = Not Detected

Verified By: JL Date: 6/15/00

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RESULTS OF ANALYSIS

Client : MFG, Inc.

Client Sample ID : Method Blank
PAI Sample ID : P000613-MB

Test Code : GC/MS EPA TO-14A
Analyst : Cindy Yoon/Wade Henton
Instrument : HP5973/Tekmar AUTOCan Elite
Matrix : Summa Canister

Date Sampled : N/A
Date Received : N/A
Date Analyzed : 6/13/00
Volume(s) Analyzed : 1.00 Liter

D.F. = 1.00

CAS #	COMPOUND	RESULT µg/m³	REPORTING LIMIT µg/m³	RESULT ppb	REPORTING LIMIT ppb
74-87-3	Chloromethane	ND	1.0	ND	0.48
75-01-4	Vinyl Chloride	ND	1.0	ND	0.39
74-83-9	Bromomethane	ND	1.0	ND	0.26
75-00-3	Chloroethane	ND	1.0	ND	0.38
67-64-1	Acetone	ND	1.0	ND	0.42
75-69-4	Trichlorofluoromethane	ND	1.0	ND	0.18
75-35-4	1,1-Dichloroethene	ND	1.0	ND	0.25
75-09-2	Methylene chloride	ND	1.0	ND	0.29
76-13-1	Trichlorotrifluoroethane	ND	1.0	ND	0.13
75-15-0	Carbon Disulfide	ND	1.0	ND	0.32
156-60-5	trans-1,2-Dichloroethene	ND	1.0	ND	0.25
75-34-3	1,1-Dichloroethane	ND	1.0	ND	0.25
1634-04-4	Methyl tert-Butyl Ether	ND	1.0	ND	0.28
108-05-4	Vinyl Acetate	ND	1.0	ND	0.28
78-93-3	2-Butanone	ND	1.0	ND	0.34
156-59-2	cis-1,2-Dichloroethene	ND	1.0	ND	0.25
67-66-3	Chloroform	ND	1.0	ND	0.20
107-06-2	1,2-Dichloroethane	ND	1.0	ND	0.25
71-55-6	1,1,1-Trichloroethane	ND	1.0	ND	0.18
71-43-2	Benzene	ND	1.0	ND	0.31
56-23-5	Carbon Tetrachloride	ND	1.0	ND	0.16
78-87-5	1,2-Dichloropropane	ND	1.0	ND	0.22

TR = Detected Below Indicated Reporting Limit
ND = Not Detected

Verified By: JC Date: 6/15/00

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RESULTS OF ANALYSIS

Client : MFG, Inc.

Client Sample ID : Method Blank
PAI Sample ID : P000613-MB

Test Code : GC/MS EPA TO-14A
Analyst : Cindy Yoon/Wade Henton
Instrument : HP5973/Tekmar AUTOCan Elite
Matrix : Summa Canister

Date Sampled : N/A
Date Received : N/A
Date Analyzed : 6/13/00
Volume(s) Analyzed : 1.00 Liter

D.F. = 1.00

CAS #	COMPOUND	RESULT µg/m³	REPORTING LIMIT µg/m³	RESULT ppb	REPORTING LIMIT ppb
75-27-4	Bromodichloromethane	ND	1.0	ND	0.15
79-01-6	Trichloroethene	ND	1.0	ND	0.19
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	ND	0.22
108-10-1	4-Methyl-2-pentanone	ND	1.0	ND	0.24
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	ND	0.22
79-00-5	1,1,2-Trichloroethane	ND	1.0	ND	0.18
108-88-3	Toluene	ND	1.0	ND	0.27
591-78-6	2-Hexanone	ND	1.0	ND	0.24
124-48-1	Dibromochloromethane	ND	1.0	ND	0.12
106-93-4	1,2-Dibromoethane	ND	1.0	ND	0.13
127-18-4	Tetrachloroethene	ND	1.0	ND	0.15
108-90-7	Chlorobenzene	ND	1.0	ND	0.22
100-41-4	Ethylbenzene	ND	1.0	ND	0.23
1330-20-7	m- & p-Xylenes	ND	1.0	ND	0.23
75-25-2	Bromoform	ND	1.0	ND	0.10
100-42-5	Styrene	ND	1.0	ND	0.23
95-47-6	o-Xylene	ND	1.0	ND	0.23
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	ND	0.15
541-73-1	1,3-Dichlorobenzene	ND	1.0	ND	0.17
106-46-7	1,4-Dichlorobenzene	ND	1.0	ND	0.17
95-50-1	1,2-Dichlorobenzene	ND	1.0	ND	0.17

TR = Detected Below Indicated Reporting Limit
ND = Not Detected

Verified By: SC Date: 6/15/00

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Chain of Custody Record
Analytical Services Request

Client / Address	Phone	Fax	ANALYSES	PAI Project No.
MFG, Inc 19203 36th Ave W. Suite 101 Lynnwood, WA 98036-5707	425-921-4000	425-921-4040		P2001425
Client Project Name / Location Great Western Chem Air Sampling	**Client Project No.** 9525			
Contact Kirk Winges	**Sampler (Signature)** Sean Williams	**P. O. No.**		

Client Sample ID	Date Collected	Time Collected	Lab Sample No.	Type of Sample	Container ID (Serial#)	Regulator ID (Serial#)	TO-14				Expected Turnaround Time	Remarks
9525-01	6/9/00	8:45-9:45	-1	Canister	01232	1005	X				72 hours	Upwind - Rt. side
9525-02	6/9/00	8:45-9:45	-2		01186	1349	X					Upwind - Rt. side
9525-03	6/9/00	8:45-9:45	-3		01343	1021	X					At well B-58
9525-04	6/9/00	8:45-9:45	-4		01166	1416	X					At well B-58
9525-05	6/9/00	8:45-9:45	-5		01344	1004	X					In office
9525-06	6/9/00	8:45-9:45	-6		01371	0882	X					In changeroom
9525-07	6/9/00	8:45-9:45	-7		00441	1417	X					Downwind by trailer

Relinquished by : (Signature)	Date	Time	Received by : (Signature)	Date	Time
Sean Williams	6/9/00	2:30pm	Sharon Malone	6/12/00	12:35
Relinquished by : (Signature)	Date	Time	Received by : (Signature)	Date	Time
Relinquished by : (Signature)	Date	Time	Received by : (Signature)	Date	Time

White Copy : Accompanies Samples Yellow Copy : Samples

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RESULTS OF ANALYSIS

Client : MFG, Inc.

Client Sample ID : 9252-08
PAI Sample ID : P2001730-001

Test Code : GC/MS EPA TO-14A
Instrument : HP5973/Tekmar AUTOCan Elite
Analyst : Wade Henton
Matrix : Summa Canister
Canister ID : #00420

Date Sampled : 7/12/00
Date Received : 7/13/00
Date Analyzed : 7/14/00
Volume(s) Analyzed : 1.00 Liter

Pi 1 = -0.7 Pf 1 = 3.5
D.F. = 1.30

CAS #	COMPOUND	RESULT µg/m³	REPORTING LIMIT µg/m³	RESULT ppb	REPORTING LIMIT ppb
74-87-3	Chloromethane	ND	1.0	ND	0.48
75-01-4	Vinyl Chloride	ND	1.0	ND	0.39
74-83-9	Bromomethane	ND	1.0	ND	0.26
75-00-3	Chloroethane	ND	1.0	ND	0.38
67-64-1	Acetone	28	1.0	12	0.42
75-69-4	Trichlorofluoromethane	2.3	1.0	0.41	0.18
75-35-4	1,1-Dichloroethene	ND	1.0	ND	0.25
75-09-2	Methylene chloride	14	1.0	4.1	0.29
76-13-1	Trichlorotrifluoroethane	0.73 TR	1.0	0.10 TR	0.13
75-15-0	Carbon Disulfide	4.1	1.0	1.3	0.32
156-60-5	trans-1,2-Dichloroethene	ND	1.0	ND	0.25
75-34-3	1,1-Dichloroethane	ND	1.0	ND	0.25
1634-04-4	Methyl tert-Butyl Ether	ND	1.0	ND	0.28
108-05-4	Vinyl Acetate	ND	1.0	ND	0.28
78-93-3	2-Butanone	16	1.0	5.5	0.34
156-59-2	cis-1,2-Dichloroethene	3.0	1.0	0.75	0.25
67-66-3	Chloroform	19	1.0	3.9	0.20
107-06-2	1,2-Dichloroethane	ND	1.0	ND	0.25
71-55-6	1,1,1-Trichloroethane	0.94 TR	1.0	0.17 TR	0.18
71-43-2	Benzene	4.7	1.0	1.5	0.31
56-23-5	Carbon Tetrachloride	0.87 TR	1.0	0.14 TR	0.16
78-87-5	1,2-Dichloropropane	ND	1.0	ND	0.22

TR = Detected Below Indicated Reporting Limit
ND = Not Detected

Verified By: KA Date: 7/18/00

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RESULTS OF ANALYSIS

Client : MFG, Inc.

Client Sample ID : 9252-08
PAI Sample ID : P2001730-001

Test Code : GC/MS EPA TO-14A
Instrument : HP5973/Tekmar AUTOCan Elite
Analyst : Wade Henton
Matrix : Summa Canister
Canister ID : #00420

Date Sampled : 7/12/00
Date Received : 7/13/00
Date Analyzed : 7/14/00
Volume(s) Analyzed : 1.00 Liter

Pi 1 = -0.7 Pf 1 = 3.5
D.F. = 1.30

CAS #	COMPOUND	RESULT µg/m³	REPORTING LIMIT µg/m³	RESULT ppb	REPORTING LIMIT ppb
75-27-4	Bromodichloromethane	ND	1.0	ND	0.15
79-01-6	Trichloroethene	12	1.0	2.2	0.19
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	ND	0.22
108-10-1	4-Methyl-2-pentanone	3.4	1.0	0.83	0.24
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	ND	0.22
79-00-5	1,1,2-Trichloroethane	ND	1.0	ND	0.18
108-88-3	Toluene	31	1.0	8.3	0.27
591-78-6	2-Hexanone	ND	1.0	ND	0.24
124-48-1	Dibromochloromethane	ND	1.0	ND	0.12
106-93-4	1,2-Dibromoethane	ND	1.0	ND	0.13
127-18-4	Tetrachloroethene	55	1.0	8.2	0.15
108-90-7	Chlorobenzene	ND	1.0	ND	0.22
100-41-4	Ethylbenzene	4.9	1.0	1.1	0.23
1330-20-7	m- & p-Xylenes	21	1.0	4.7	0.23
75-25-2	Bromoform	ND	1.0	ND	0.10
100-42-5	Styrene	ND	1.0	ND	0.23
95-47-6	o-Xylene	6.4	1.0	1.5	0.23
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	ND	0.15
541-73-1	1,3-Dichlorobenzene	ND	1.0	ND	0.17
106-46-7	1,4-Dichlorobenzene	ND	1.0	ND	0.17
95-50-1	1,2-Dichlorobenzene	ND	1.0	ND	0.17

TR = Detected Below Indicated Reporting Limit
ND = Not Detected

Verified By: KA Date: 7/18/00

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RESULTS OF ANALYSIS

PAGE 1 OF 2

Client : MFG, Inc.

Client Sample ID : 9252-09
PAI Sample ID : P2001730-002

Test Code : GC/MS EPA TO-14A
Instrument : HP5973/Tekmar AUTOCan Elite
Analyst : Wade Henton
Matrix : Summa Canister
Canister ID : #01439

Date Sampled : 7/12/00
Date Received : 7/13/00
Date Analyzed : 7/14/00
Volume(s) Analyzed : 1.00 Liter

Pi l = -3.6 Pf l = 3.5
D.F. = 1.64

CAS #	COMPOUND	RESULT µg/m³	REPORTING LIMIT µg/m³	RESULT ppb	REPORTING LIMIT ppb
74-87-3	Chloromethane	ND	1.0	ND	0.48
75-01-4	Vinyl Chloride	ND	1.0	ND	0.39
74-83-9	Bromomethane	ND	1.0	ND	0.26
75-00-3	Chloroethane	ND	1.0	ND	0.38
67-64-1	Acetone	28	1.0	12	0.42
75-69-4	Trichlorofluoromethane	2.4	1.0	0.44	0.18
75-35-4	1,1-Dichloroethene	ND	1.0	ND	0.25
75-09-2	Methylene chloride	14	1.0	4.1	0.29
76-13-1	Trichlorotrifluoroethane	ND	1.0	ND	0.13
75-15-0	Carbon Disulfide	ND	1.0	ND	0.32
156-60-5	trans-1,2-Dichloroethene	ND	1.0	ND	0.25
75-34-3	1,1-Dichloroethane	ND	1.0	ND	0.25
1634-04-4	Methyl tert-Butyl Ether	ND	1.0	ND	0.28
108-05-4	Vinyl Acetate	ND	1.0	ND	0.28
78-93-3	2-Butanone	5.0	1.0	1.7	0.34
156-59-2	cis-1,2-Dichloroethene	2.9	1.0	0.72	0.25
67-66-3	Chloroform	17	1.0	3.5	0.20
107-06-2	1,2-Dichloroethane	ND	1.0	ND	0.25
71-55-6	1,1,1-Trichloroethane	1.0	1.0	0.18	0.18
71-43-2	Benzene	4.7	1.0	1.5	0.31
56-23-5	Carbon Tetrachloride	ND	1.0	ND	0.16
78-87-5	1,2-Dichloropropane	ND	1.0	ND	0.22

TR = Detected Below Indicated Reporting Limit
ND = Not Detected

Verified By: KA Date: 7/18/00

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RESULTS OF ANALYSIS

Client : MFG, Inc.

Client Sample ID : 9252-09
PAI Sample ID : P2001730-002

Test Code : GC/MS EPA TO-14A
Instrument : HP5973/Tekmar AUTOCan Elite
Analyst : Wade Henton
Matrix : Summa Canister
Canister ID : #01439

Date Sampled : 7/12/00
Date Received : 7/13/00
Date Analyzed : 7/14/00
Volume(s) Analyzed : 1.00 Liter

Pi 1 = -3.6 Pf 1 = 3.5
D.F. = 1.64

CAS #	COMPOUND	RESULT µg/m³	REPORTING LIMIT µg/m³	RESULT ppb	REPORTING LIMIT ppb
75-27-4	Bromodichloromethane	ND	1.0	ND	0.15
79-01-6	Trichloroethene	11	1.0	2.1	0.19
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	ND	0.22
108-10-1	4-Methyl-2-pentanone	0.93 TR	1.0	0.23 TR	0.24
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	ND	0.22
79-00-5	1,1,2-Trichloroethane	ND	1.0	ND	0.18
108-88-3	Toluene	28	1.0	7.5	0.27
591-78-6	2-Hexanone	ND	1.0	ND	0.24
124-48-1	Dibromochloromethane	ND	1.0	ND	0.12
106-93-4	1,2-Dibromoethane	ND	1.0	ND	0.13
127-18-4	Tetrachloroethene	60	1.0	8.8	0.15
108-90-7	Chlorobenzene	ND	1.0	ND	0.22
100-41-4	Ethylbenzene	4.8	1.0	1.1	0.23
1330-20-7	m- & p-Xylenes	20	1.0	4.6	0.23
75-25-2	Bromoform	ND	1.0	ND	0.10
100-42-5	Styrene	0.87 TR	1.0	0.20 TR	0.23
95-47-6	o-Xylene	6.3	1.0	1.5	0.23
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	ND	0.15
541-73-1	1,3-Dichlorobenzene	ND	1.0	ND	0.17
106-46-7	1,4-Dichlorobenzene	ND	1.0	ND	0.17
95-50-1	1,2-Dichlorobenzene	ND	1.0	ND	0.17

TR = Detected Below Indicated Reporting Limit
ND = Not Detected

Verified By: KA Date: 7/18/00

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RESULTS OF ANALYSIS

Client : MFG, Inc.

Client Sample ID : 9252-10
PAI Sample ID : P2001730-003

Test Code : GC/MS EPA TO-14A
Instrument : HP5973/Tekmar AUTOCan Elite
Analyst : Wade Henton
Matrix : Summa Canister
Canister ID : #01426

Date Sampled : 7/12/00
Date Received : 7/13/00
Date Analyzed : 7/14/00
Volume(s) Analyzed : 1.00 Liter

Pi l = -0.5 Pf l = 3.5
D.F. = 1.28

CAS #	COMPOUND	RESULT µg/m³	REPORTING LIMIT µg/m³	RESULT ppb	REPORTING LIMIT ppb
74-87-3	Chloromethane	ND	1.0	ND	0.48
75-01-4	Vinyl Chloride	ND	1.0	ND	0.39
74-83-9	Bromomethane	ND	1.0	ND	0.26
75-00-3	Chloroethane	ND	1.0	ND	0.38
67-64-1	Acetone	45	1.0	19	0.42
75-69-4	Trichlorofluoromethane	3.7	1.0	0.66	0.18
75-35-4	1,1-Dichloroethene	ND	1.0	ND	0.25
75-09-2	Methylene chloride	53	1.0	15	0.29
76-13-1	Trichlorotrifluoroethane	0.69 TR	1.0	0.09 TR	0.13
75-15-0	Carbon Disulfide	ND	1.0	ND	0.32
156-60-5	trans-1,2-Dichloroethene	ND	1.0	ND	0.25
75-34-3	1,1-Dichloroethane	ND	1.0	ND	0.25
1634-04-4	Methyl tert-Butyl Ether	ND	1.0	ND	0.28
108-05-4	Vinyl Acetate	ND	1.0	ND	0.28
78-93-3	2-Butanone	4.1	1.0	1.4	0.34
156-59-2	cis-1,2-Dichloroethene	14	1.0	3.4	0.25
67-66-3	Chloroform	25	1.0	5.2	0.20
107-06-2	1,2-Dichloroethane	ND	1.0	ND	0.25
71-55-6	1,1,1-Trichloroethane	2.1	1.0	0.39	0.18
71-43-2	Benzene	14	1.0	4.4	0.31
56-23-5	Carbon Tetrachloride	1.1	1.0	0.17	0.16
78-87-5	1,2-Dichloropropane	ND	1.0	ND	0.22

TR = Detected Below Indicated Reporting Limit
ND = Not Detected

Verified By: KA Date: 7/18/00

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RESULTS OF ANALYSIS

Client : MFG, Inc.

Client Sample ID : 9252-10
PAI Sample ID : P2001730-003

Test Code : GC/MS EPA TO-14A
Instrument : HP5973/Tekmar AUTOCan Elite
Analyst : Wade Henton
Matrix : Summa Canister
Canister ID : #01426

Date Sampled : 7/12/00
Date Received : 7/13/00
Date Analyzed : 7/14/00
Volume(s) Analyzed : 1.00 Liter

Pi 1 = -0.5 Pf 1 = 3.5
D.F. = 1.28

CAS #	COMPOUND	RESULT µg/m³	REPORTING LIMIT µg/m³	RESULT ppb	REPORTING LIMIT ppb
75-27-4	Bromodichloromethane	ND	1.0	ND	0.15
79-01-6	Trichloroethene	32	1.0	6.0	0.19
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	ND	0.22
108-10-1	4-Methyl-2-pentanone	0.96 TR	1.0	0.23 TR	0.24
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	ND	0.22
79-00-5	1,1,2-Trichloroethane	ND	1.0	ND	0.18
108-88-3	Toluene	96	1.0	25	0.27
591-78-6	2-Hexanone	ND	1.0	ND	0.24
124-48-1	Dibromochloromethane	ND	1.0	ND	0.12
106-93-4	1,2-Dibromoethane	ND	1.0	ND	0.13
127-18-4	Tetrachloroethene	130	1.0	20	0.15
108-90-7	Chlorobenzene	ND	1.0	ND	0.22
100-41-4	Ethylbenzene	20	1.0	4.6	0.23
1330-20-7	m- & p-Xylenes	85	1.0	20	0.23
75-25-2	Bromoform	ND	1.0	ND	0.10
100-42-5	Styrene	1.3	1.0	0.30	0.23
95-47-6	o-Xylene	24	1.0	5.4	0.23
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	ND	0.15
541-73-1	1,3-Dichlorobenzene	ND	1.0	ND	0.17
106-46-7	1,4-Dichlorobenzene	ND	1.0	ND	0.17
95-50-1	1,2-Dichlorobenzene	ND	1.0	ND	0.17

TR = Detected Below Indicated Reporting Limit
ND = Not Detected

Verified By: KA Date: 7/18/00

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Performance Analytical Inc.
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RESULTS OF ANALYSIS

Client : MFG, Inc.

Client Sample ID : 9252-11
PAI Sample ID : P2001730-004

Test Code : GC/MS EPA TO-14A
Instrument : HP5973/Tekmar AUTOCan Elite
Analyst : Wade Henton
Matrix : Summa Canister
Canister ID : #01328

Date Sampled : 7/12/00
Date Received : 7/13/00
Date Analyzed : 7/14/00
Volume(s) Analyzed : 1.00 Liter

Pi 1 = -3.5 Pf 1 = 3.5
D.F. = 1.63

CAS #	COMPOUND	RESULT µg/m³	REPORTING LIMIT µg/m³	RESULT ppb	REPORTING LIMIT ppb
74-87-3	Chloromethane	ND	1.0	ND	0.48
75-01-4	Vinyl Chloride	ND	1.0	ND	0.39
74-83-9	Bromomethane	ND	1.0	ND	0.26
75-00-3	Chloroethane	ND	1.0	ND	0.38
67-64-1	Acetone	47	1.0	20	0.42
75-69-4	Trichlorofluoromethane	3.7	1.0	0.66	0.18
75-35-4	1,1-Dichloroethene	ND	1.0	ND	0.25
75-09-2	Methylene chloride	58	1.0	17	0.29
76-13-1	Trichlorotrifluoroethane	ND	1.0	ND	0.13
75-15-0	Carbon Disulfide	ND	1.0	ND	0.32
156-60-5	trans-1,2-Dichloroethene	ND	1.0	ND	0.25
75-34-3	1,1-Dichloroethane	ND	1.0	ND	0.25
1634-04-4	Methyl tert-Butyl Ether	ND	1.0	ND	0.28
108-05-4	Vinyl Acetate	ND	1.0	ND	0.28
78-93-3	2-Butanone	7.8	1.0	2.6	0.34
156-59-2	cis-1,2-Dichloroethene	14	1.0	3.5	0.25
67-66-3	Chloroform	25	1.0	5.2	0.20
107-06-2	1,2-Dichloroethane	ND	1.0	ND	0.25
71-55-6	1,1,1-Trichloroethane	2.3	1.0	0.42	0.18
71-43-2	Benzene	14	1.0	4.4	0.31
56-23-5	Carbon Tetrachloride	1.1	1.0	0.17	0.16
78-87-5	1,2-Dichloropropane	ND	1.0	ND	0.22

TR = Detected Below Indicated Reporting Limit
ND = Not Detected

Verified By: KA Date: 7/18/00

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RESULTS OF ANALYSIS

Client : MFG, Inc.

Client Sample ID : 9252-11
PAI Sample ID : P2001730-004

Test Code : GC/MS EPA TO-14A
Instrument : HP5973/Tekmar AUTOCan Elite
Analyst : Wade Henton
Matrix : Summa Canister
Canister ID : #01328

Date Sampled : 7/12/00
Date Received : 7/13/00
Date Analyzed : 7/14/00
Volume(s) Analyzed : 1.00 Liter

Pi 1 = -3.5 Pf 1 = 3.5
D.F. = 1.63

CAS #	COMPOUND	RESULT µg/m³	REPORTING LIMIT µg/m³	RESULT ppb	REPORTING LIMIT ppb
75-27-4	Bromodichloromethane	ND	1.0	ND	0.15
79-01-6	Trichloroethene	33	1.0	6.1	0.19
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	ND	0.22
108-10-1	4-Methyl-2-pentanone	2.1	1.0	0.52	0.24
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	ND	0.22
79-00-5	1,1,2-Trichloroethane	ND	1.0	ND	0.18
108-88-3	Toluene	98	1.0	26	0.27
591-78-6	2-Hexanone	ND	1.0	ND	0.24
124-48-1	Dibromochloromethane	ND	1.0	ND	0.12
106-93-4	1,2-Dibromoethane	ND	1.0	ND	0.13
127-18-4	Tetrachloroethene	140	1.0	21	0.15
108-90-7	Chlorobenzene	ND	1.0	ND	0.22
100-41-4	Ethylbenzene	20	1.0	4.7	0.23
1330-20-7	m- & p-Xylenes	87	1.0	20	0.23
75-25-2	Bromoform	ND	1.0	ND	0.10
100-42-5	Styrene	1.5	1.0	0.34	0.23
95-47-6	o-Xylene	24	1.0	5.5	0.23
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	ND	0.15
541-73-1	1,3-Dichlorobenzene	ND	1.0	ND	0.17
106-46-7	1,4-Dichlorobenzene	ND	1.0	ND	0.17
95-50-1	1,2-Dichlorobenzene	ND	1.0	ND	0.17

TR = Detected Below Indicated Reporting Limit
ND = Not Detected

Verified By: KA Date: 7/18/00

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RESULTS OF ANALYSIS

Client : MFG, Inc.

Client Sample ID : 9252-11
PAI Sample ID : P2001730-004DUP

Test Code : GC/MS EPA TO-14A
Instrument : HP5973/Tekmar AUTOCan Elite
Analyst : Wade Henton
Matrix : Summa Canister
Canister ID : #01328

Date Sampled : 7/12/00
Date Received : 7/13/00
Date Analyzed : 7/14/00
Volume(s) Analyzed : 1.00 Liter

Pi 1 = -3.5 Pf 1 = 3.5
D.F. = 1.63

CAS #	COMPOUND	RESULT µg/m³	REPORTING LIMIT µg/m³	RESULT ppb	REPORTING LIMIT ppb
74-87-3	Chloromethane	ND	1.0	ND	0.48
75-01-4	Vinyl Chloride	ND	1.0	ND	0.39
74-83-9	Bromomethane	ND	1.0	ND	0.26
75-00-3	Chloroethane	ND	1.0	ND	0.38
67-64-1	Acetone	49	1.0	20	0.42
75-69-4	Trichlorofluoromethane	3.7	1.0	0.67	0.18
75-35-4	1,1-Dichloroethene	ND	1.0	ND	0.25
75-09-2	Methylene chloride	59	1.0	17	0.29
76-13-1	Trichlorotrifluoroethane	ND	1.0	ND	0.13
75-15-0	Carbon Disulfide	ND	1.0	ND	0.32
156-60-5	trans-1,2-Dichloroethene	ND	1.0	ND	0.25
75-34-3	1,1-Dichloroethane	ND	1.0	ND	0.25
1634-04-4	Methyl tert-Butyl Ether	ND	1.0	ND	0.28
108-05-4	Vinyl Acetate	ND	1.0	ND	0.28
78-93-3	2-Butanone	7.9	1.0	2.7	0.34
156-59-2	cis-1,2-Dichloroethene	14	1.0	3.6	0.25
67-66-3	Chloroform	26	1.0	5.3	0.20
107-06-2	1,2-Dichloroethane	ND	1.0	ND	0.25
71-55-6	1,1,1-Trichloroethane	2.3	1.0	0.43	0.18
71-43-2	Benzene	14	1.0	4.4	0.31
56-23-5	Carbon Tetrachloride	1.1	1.0	0.17	0.16
78-87-5	1,2-Dichloropropane	ND	1.0	ND	0.22

TR = Detected Below Indicated Reporting Limit
ND = Not Detected

Verified By: KA Date: 7/18/00

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RESULTS OF ANALYSIS

Client : MFG, Inc.

Client Sample ID : 9252-11
PAI Sample ID : P2001730-004DUP

Test Code : GC/MS EPA TO-14A
Instrument : HP5973/Tekmar AUTOCan Elite
Analyst : Wade Henton
Matrix : Summa Canister
Canister ID : #01328

Date Sampled : 7/12/00
Date Received : 7/13/00
Date Analyzed : 7/14/00
Volume(s) Analyzed : 1.00 Liter

Pi 1 = -3.5 Pf 1 = 3.5
D.F. = 1.63

CAS #	COMPOUND	RESULT µg/m³	REPORTING LIMIT µg/m³	RESULT ppb	REPORTING LIMIT ppb
75-27-4	Bromodichloromethane	ND	1.0	ND	0.15
79-01-6	Trichloroethene	33	1.0	6.2	0.19
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	ND	0.22
108-10-1	4-Methyl-2-pentanone	2.2	1.0	0.53	0.24
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	ND	0.22
79-00-5	1,1,2-Trichloroethane	ND	1.0	ND	0.18
108-88-3	Toluene	100	1.0	26	0.27
591-78-6	2-Hexanone	ND	1.0	ND	0.24
124-48-1	Dibromochloromethane	ND	1.0	ND	0.12
106-93-4	1,2-Dibromoethane	ND	1.0	ND	0.13
127-18-4	Tetrachloroethene	140	1.0	21	0.15
108-90-7	Chlorobenzene	ND	1.0	ND	0.22
100-41-4	Ethylbenzene	20	1.0	4.7	0.23
1330-20-7	m- & p-Xylenes	88	1.0	20	0.23
75-25-2	Bromoform	ND	1.0	ND	0.10
100-42-5	Styrene	1.4	1.0	0.34	0.23
95-47-6	o-Xylene	24	1.0	5.6	0.23
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	ND	0.15
541-73-1	1,3-Dichlorobenzene	ND	1.0	ND	0.17
106-46-7	1,4-Dichlorobenzene	ND	1.0	ND	0.17
95-50-1	1,2-Dichlorobenzene	ND	1.0	ND	0.17

TR = Detected Below Indicated Reporting Limit
ND = Not Detected

Verified By: KA Date: 7/18/00

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RESULTS OF ANALYSIS

Client : MFG, Inc.

Client Sample ID : Method Blank
PAI Sample ID : P000713-MB

Test Code : GC/MS EPA TO-14A
Instrument : HP5973/Tekmar AUTOCan Elite
Analyst : Wade Henton
Matrix : Summa Canister

Date Sampled : N/A
Date Received : N/A
Date Analyzed : 7/13/00
Volume(s) Analyzed : 1.00 Liter

Pi 1 = 0.0 Pf 1 = 0.0
D.F. = 1.00

CAS #	COMPOUND	RESULT µg/m³	REPORTING LIMIT µg/m³	RESULT ppb	REPORTING LIMIT ppb
74-87-3	Chloromethane	ND	1.0	ND	0.48
75-01-4	Vinyl Chloride	ND	1.0	ND	0.39
74-83-9	Bromomethane	ND	1.0	ND	0.26
75-00-3	Chloroethane	ND	1.0	ND	0.38
67-64-1	Acetone	ND	1.0	ND	0.42
75-69-4	Trichlorofluoromethane	ND	1.0	ND	0.18
75-35-4	1,1-Dichloroethene	ND	1.0	ND	0.25
75-09-2	Methylene chloride	ND	1.0	ND	0.29
76-13-1	Trichlorotrifluoroethane	ND	1.0	ND	0.13
75-15-0	Carbon Disulfide	ND	1.0	ND	0.32
156-60-5	trans-1,2-Dichloroethene	ND	1.0	ND	0.25
75-34-3	1,1-Dichloroethane	ND	1.0	ND	0.25
1634-04-4	Methyl tert-Butyl Ether	ND	1.0	ND	0.28
108-05-4	Vinyl Acetate	ND	1.0	ND	0.28
78-93-3	2-Butanone	ND	1.0	ND	0.34
156-59-2	cis-1,2-Dichloroethene	ND	1.0	ND	0.25
67-66-3	Chloroform	ND	1.0	ND	0.20
107-06-2	1,2-Dichloroethane	ND	1.0	ND	0.25
71-55-6	1,1,1-Trichloroethane	ND	1.0	ND	0.18
71-43-2	Benzene	ND	1.0	ND	0.31
56-23-5	Carbon Tetrachloride	ND	1.0	ND	0.16
78-87-5	1,2-Dichloropropane	ND	1.0	ND	0.22

TR = Detected Below Indicated Reporting Limit
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Chain of Custody Record
Analytical Services Request

Client / Address	Phone	Fax	ANALYSES	PAI Project No.
MFG INC 19203 36TH AVE W SUITE 101 LYNNWOOD WA 98036-5707	425-921-4000	425-921-4040		P2001730
Client Project Name / Location	**Client Project No.**			
GREAT WESTERN CHEMICAL AIR SAMPLING	9525-01			
Contact	**Sampler (Signature)**	**P. O. No.**		
KIRK WINGES	Kris Hansen			

Client Sample ID	Date Collected	Time Collected	Lab Sample No.	Type of Sample	Container ID (Serial#)	Regulator ID (Serial#)	TO-14A				Expected Turnaround Time	Remarks
9252-08	7-12-00	10-11 AM	-1	CANISTER	420 AC 00251	815 FC 00034	X				72 HRS	OFFICE FLOOR
9252-09	7-12-00	10-11 AM	-2		1439 AC 00288	1021 FC 00146	X					OFFICE ELEVATED
9252-10	7-12-00	10-11 AM	-3		1426 AC 00273	1003 FC 00089	X					CHANGE RM ELEVATED
9252-11	7-12-00	10-11 AM	-4		1328 AC 00073	1028 FC 00022	X					CHANGE RM FLOOR

Relinquished by : (Signature)	Date	Time	Received by : (Signature)	Date	Time
Kris Hansen	7-12-00	13.50	Sharon Malone	7/13/00	0930
Relinquished by : (Signature)	Date	Time	Received by : (Signature)	Date	Time
Relinquished by : (Signature)	Date	Time	Received by : (Signature)	Date	Time

Field Notes

Subject Great Western Chemical Air Sampling Project No. 9525

By SBW Checked By _____ Task No. _____

File No. _____

Date 06-09-00 Date _____ Sheet 1 of _____

Arrive on Site w/ Dan McCarthy (Floyd & Snider) & Peter Catterall (Terra Vac)

Arrived @ 7:00 AM

Set up wind Vane, location _____ @ 7:15

- Set up Summa samplers w/ 1/4" poly tubing to get ~~them to~~ SBW sampling height to breathing space. (Between 4'6" and 5'0")

- Set sample cans @ 8:00

- Sunny Lin (DOE) Arrived @ 8:00

Sample cans locations:

Upwind: Can 9525-01 205" to Well B-20A
220" to RR tracks perpendicular to line w/ B-20A

Can 9525-02 158" to RR tracks on Fox, perp to tracks
176" to Well B-63

@ Well B-58: Can 9525-03 6" from B-58
63" from Well B59

Can 9525-04 6" from Well B-58
63" from Well B-59

Downwind: Can 9525-07 174" from Fencepost @ N end of Emerson prpty
132" from Rail Road tracks perpendicular

Inside warehouse: Can 9525-05

Can 9525-06

Decided @ 8:11 to Drop Sample height to Center of canister w/in 1"

- we cut tubes to accomodate.
- About 12-16" of tubing attached to intakes w/ surgical tubing

Heavy truck traffic, metal Grinding near Well B-58 on Fox Ave

Wind coming out of S, SE along Fox Avenue 8:38 AM

Subject GW Chem Air Sampling Project No. 9525

By SBW Checked By Task No.

File No.

Date 6-9-00 Date Sheet 2 of

Sample start times by Sean Williams' watch

	Open	Close
Can 9525-01	8:43:50 Am	9525-01 9:43.50 Am
9525-02	8:44.17 Am	9525-02 9:44.17 Am
9525-03	8:45.05 Am	9525-03 9:45.05 Am
9525-04	8:45.25 Am	9525-04 9:45.25 Am
9525-05	8:48.20 Am	9525-05 9:48.20 Am
9525-06	8:49.15 Am	9525-06 9:49.15 Am
9525-07	8:46:47 Am	9525-07 9:46.47 Am

- Can Knob wouldn't turn 1.25 turns would only turn ~0.75 turns open all the way.

SBW started and stopped all cans.

Truck count Between 0850 → 9:43

N → S	S → N
IIII	IIIIII

Wind shift to N, NE 09:45 Am only for a few minutes Wind Predominately from E, splitting & Running NW up Fox Coming from SE

- Asemi was parked just North of cans 9525-03 and 9525-04, @ 9:25 Am it started up and pulled away.

- wind eddies coming from neighboring buildings and open spots pushed the wind vane around to N to E

Subject Great Western Air Sampling Project No. 9525

By SBW Checked By Task No.

File No.

Date 6-09-00 Date Sheet 3 of

Peter & Dan discussed purpose of air samples w/ Ms Lin

- Decided to lower sampling height.
- Ms. Lin left after sampling started.
- Dan, Peter and SBW took measurements to locate sample cans during sampling using a 25' Stanley tape measure.
- Batteries went dead in camera. Backup batteries were dead
- Vinyl chloride sample taken, DL 0.2 ppm - No color change

Subject CANISTER SAMPLING GRENY WESTERN Chem Round II Project No. 9252-01

By Kris Hansen Checked By _____ Task No. _____

File No. _____

Date July 12 2000 Date _____ Sheet _____ of _____

ARRIVED @ 9:25 PDT

DISCUSSED SAMPLING WITH DAN McCARTHY

ATTACHED LABELS TO CANISTERS
ATTACHED FLOW CONTROLLERS TO CANISTERS

CANISTER IDENTIFICATION —

SAMPLE #	CANNISTER #	FLOW CONTROLLER #	LOCATION	
9252-08	00420 (AC00251)	00815 (FC00034)	FLOOR	MAIN OFFICE
9252-09	01439 (AC00288)	01021 (FC00196)	5'	
9252-10	01426 (AC00213)	01003 (FC00089)	5'	CHANGE ROOM
9252-11	01328 (AC00073)	01028 (FC00072) (NOTICEABLY BENT)	FLOOR	

	OPEN	CLOSE
9252-08	10:00 AM	11:00:00
9252-09	10:00:15	11:00:10
9252-10	10:00:54	11:00:45
9252-11	10:01:10	11:01:09

LOOKED AROUND WAREHOUSE - NO ODORS DETECTED - ELEVATED CANISTERS POSITIONED (HUNG) ON TRIPODS FLOW CONTROLLER VALVES ON ELEVATED CANISTERS AT MIT CHEST HEIGHT. CANISTERS PLACED ON FLOOR DIRECTLY BELOW ELEVATED CANISTERS.

10:28 - 10:32 FORKLIFT OPERATED IN WAREHOUSE THEN WENT OUT ON DOCK.
10:37 - 10:40 IN REAR OF PROPANE

DOOR KEPT CLOSED ON CHANGE ROOM

SHUT DOWN ALL CANISTERS AS ABOVE, REMOVED FLOW CONTROLLERS PREPARED FOR SHIPMENT.

WIND WARM SLIGHT NORTHERLY

LEFT SITE 11:21 PDT

Fox Avenue Site
Seattle, Washington

Remedial Investigation/ Feasibility Study

Appendix D
Additional Data Gaps Investigation Data Report

FINAL

Table of Contents

List of Tables

List of Figures

List of Attachments

List of Acronyms and Abbreviations

Acronym/ Abbreviation	Definition
bgs	Below ground surface
BTEX	Benzene, toluene, ethylbenzene, xylene
CEA	Chlorinated ethene and ethane
CFM	Cubic feet per minute
COC	Chemical of concern
cis-1,2-DCE	cis-1,2-Dichloroethene
DGI	Data Gaps Investigation
Ecology	Washington State Department of Ecology
ERD	Enhanced reductive dechlorination

Acronym/ Abbreviation	Definition
LCS	Laboratory control sample
MS	Matrix spike
MIP	Membrane interface probe
PCE	Tetrachloroethene
PID	Photoionization detector
ppm	Parts per million
QAPP	Quality Assurance Project Plan
RI/FS	Remedial Investigation/Feasibility Study
RPD	Relative percent difference
SOP	Standard Operating Procedure
SVE	Soil vapor extraction
TCE	Trichloroethene
TOC	Total organic carbon
USEPA	U.S. Environmental Protection Agency
UST	Underground storage tank
VC	Vinyl chloride
VOC	Volatile organic compound
WBZ	Water Bearing Zone

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1.0 Introduction

This data report was prepared to document the results of several additional investigations and sampling events conducted by Floyd|Snider and their subconsultant, CALIBRE, Inc. The purpose of this work was to fill specific data gaps at the Fox Avenue Site (Site) in Seattle, Washington. This work is considered supplemental to the Data Gaps Investigation (DGI), which was performed as part of the Scope of Work in the current Agreed Order between the Washington State Department of Ecology (Ecology) and Fox Avenue Building LLC. The work was done in accordance with the Ecology-approved *Work Plan Addendum for Additional Soil Borings near GP-87 for Source Area Definition and TPH Sampling of Groundwater*, dated October 11, 2010 (Floyd|Snider 2010) and the *Fox Avenue Addendum for ERD Expansion*, dated October 21, 2010 (CALIBRE 2010). Results obtained from these investigations/sampling events were fully incorporated into the Remedial Investigation/Feasibility Study (RI/FS) being prepared for this Site.

1.1 BACKGROUND

In January and June 2009, Floyd|Snider completed two phases of extensive soil and groundwater collection using a Geoprobe and membrane interface probe (MIP) to delineate the solvent source area and plume extent of the Site. Results of that investigation are summarized in the DGI Technical Memorandum (Floyd|Snider and CALIBRE 2009) and the Supplemental Source Area Geoprobe Sampling Results Memorandum (Floyd|Snider 2009).

Following the 2009 investigations, the Phase 1 implementation of Enhanced reductive dechlorination (ERD) for volatile organic compound (VOC) plume treatment was implemented in the central plume areas. Concurrently, detailed consideration of existing data for the revised RI/FS for the Site was underway. Five significant data gaps were identified that must be filled prior to the finalization of the revised RI/FS and the design/cost of the proposed thermal remedy. These investigations served to fill these data gaps, as discussed below.

1.2 DATA GAPS AND INVESTIGATION OBJECTIVES

1.2.1 Source Area Extent near GP-87

The objective of this additional investigation was to more precisely refine the lateral and vertical extent of an area where thermal treatment is contemplated. Specifically, additional borings were needed surrounding prior Geoprobe boring GP-87, which is located in the alkaline shed of the Cascade Columbia warehouse. Previous soil analytical data exhibited concentrations of tetrachloroethene (PCE) close to the expected thermal remediation level of 10 parts per million (ppm), but such detections were limited to only a thin 2- to 3-foot layer down at 45 feet below ground surface (bgs). Soil above and below this thin interval was free of significant contamination. Several additional borings around GP-87 were deemed necessary to determine the nature and extent of solvent in this area in order to better understand the distribution of solvent and refine the limits of thermal treatment.

1.2.2 Current Total Petroleum Hydrocarbon Concentrations in Groundwater

The objective of this sampling was to see if total petroleum hydrocarbons (TPH; found mostly as mineral spirits) may be a chemical of concern (COC) at the Site. This data gap is based on lack of current data of TPH in groundwater. Current concentrations of TPH will also be helpful for estimating the amount of thermal energy needed to heat the groundwater during thermal treatment, which is adversely affected by high TPH concentrations.

1.2.3 Enhanced Reductive Dechlorination Expansion Data Gaps

Two data gaps were identified concerning ERD implementation. The first involves better defining the extent of the plume along Fox Avenue S. for the purposes of the Phase 2 implementation. Phase 1, already installed, focused on the central areas of the plume with the highest VOC concentrations, while the Phase 2 implementation of ERD is intended to cover a wider plume area of the plume (i.e., either side of the Phase 1 treatment area).

1. In order to locate the Phase 2 well locations and identify the screen depths, the boundaries of the VOC plume to the north and south of the Phase 1 injection wells (along Fox Avenue S.) needed to be better delineated.
2. Additionally, the capacity of the shallow 1st Water Bearing Zone (WBZ) aquifer soils in the Northwest Corner of the Site to accept ERD substrate was unknown. Anecdotal information from the prior permanganate oxidant injections suggested that soils in this area may be of lower permeability and not be amenable to substrate injections. However, all past oxidant injections were performed using a Geoprobe delivery system, not dedicated injection wells, which tend to be more efficient in delivery of injected fluids. Therefore, actual data concerning the ability to inject substrate into actual ERD wells was necessary before this technology could be considered for the Northwest Corner plume.

1.2.4 Northwest Corner SVE Pilot Test

The final investigation involved remedial alternatives for the Northwest Corner of the Site, where a smaller plume of VOCs originates from. Historical soil data have shown areas of scattered vadose zone contamination, especially along Willow Street. This area, unlike other areas of the Site, has never been subject to soil vapor extraction (SVE), a common remedy for vadose zone soils contaminated by solvent. A SVE pilot test was designed to determine if SVE would be effective in removing solvent from the shallow soils in this part of the Site.

2.0 Work Performed

Investigation activities were conducted at the Site between October 20 and November 1, 2010. The following sections describe the work performed, and the sampling and analytical methodologies used.

2.1 SOURCE AREA GEOPROBE SAMPLE COLLECTION

The Geoprobe rig was used to advance six soil borings (GP-92 through GP-97) in the area surrounding GP-87, which is located in the Alkaline Shed (as shown on Figure D.1). Geoprobe borings were installed between October 27 and October 30, 2010 by Cascade Drilling of Woodinville, Washington.

Continuous soil core sampling was conducted in all Geoprobes in the interval of interest (approximately 30 to 50 feet bgs) with discrete soil samples collected at specific depth intervals where contaminant levels were highest as suggested by field photoionization detector (PID) readings and/or field observations. A Floyd|Snider field scientist logged each Geoprobe location for soil type and signs of contamination including odor, staining, sheen, and/or the presence of free product. Geologic logs of each location (including PID results) are included on the Geoprobe boring logs in Attachment D.1. All samples were collected in accordance with the sampling methods described in the Standard Operating Procedures (SOPs) and the Quality Assurance Project Plan (QAPP) of the ERD Interim Action Work Plan (Floyd|Snider and CALIBRE 2008).

Following collection, samples were stored in a cooler with ice, and transported under chain-of-custody procedures by Floyd|Snider field staff to Fremont Analytical Laboratories, in Seattle, Washington and analyzed for VOCs by U.S. Environmental Protection Agency (USEPA) Method 8260B. Complete laboratory reports and chain-of-custody documents are attached in Attachment D.2.

2.2 TOTAL PETROLEUM HYDROCARBON GROUNDWATER SAMPLE COLLECTION

Groundwater samples were sampled by peristaltic pump from 16 monitoring wells in both the 1st WBZ and 2nd WBZ, as shown on Figure D.2. All samples were collected in accordance with the sampling methods describe in the SOPs and the QAPP of the ERD Interim Action Work Plan (Floyd|Snider and CALIBRE 2008). Following collection, samples were stored in a cooler with ice, and transported under chain-of-custody procedures by Floyd|Snider field staff to Fremont Analytical in Seattle, Washington.

Samples were analyzed for gasoline and gasoline range TPH by NWTPH-GX and mineral spirit range, diesel, and heavy oil range TPH by NWTPH-Dx/Dx Extended by Fremont Analytical of Seattle, Washington. Although not a part of the original Addendum Work Plan, samples were also analyzed for VOCs by USEPA Method 8260B. Complete laboratory reports and chain-of-custody documents are attached in Attachment D.2.

2.3 VOLATILE ORGANIC COMPOUND PLUME GEOPROBE SAMPLING COLLECTION

Between October 25 and October 27, 2010, a Geoprobe rig was used to advance seven groundwater borings (GP-100 through GP-106) in the area of interest along Fox Avenue S. (as

shown on Figure D.3). Geoprobe borings were installed by Cascade Drilling of Woodinville, Washington.

The first three borings were located along Fox Avenue S., north of the existing Phase 1 ERD injection transect. The remaining four were located south of this transect. Groundwater samples were collected from one to five depth intervals per boring, depending on the expected depth of the plume. All groundwater samples were collected and labeled in accordance with the sampling methods described in the SOPs and the QAPP of the ERD Interim Action Work Plan (Floyd|Snider and CALIBRE 2008). All samples were submitted to Fremont Analytical and analyzed for VOCs by USEPA Method 8260C. One sample (GP-103 at 85 feet bgs) was analyzed for salinity by Standard Method 2520B.

2.4 NORTHWEST CORNER WELL INSTALLATION AND SAMPLING COLLECTION

On October 28, 2010 three pilot-test ERD injection wells (R1-IW08, R1-IW09, and R1-IW10) were drilled, developed, and sampled in accordance with the drilling and sampling methods described in the SOPs and the QAPP of the ERD Interim Action Work Plan (Floyd|Snider and CALIBRE 2008 (as shown on Figure D.3). The well screens span 8 to 13 feet bgs, which covers a portion of the vadose zone (i.e., 5 to 10 feet bgs) and ends near the base of the saturated 1st WBZ (approximately 13 feet bgs).

Continuous soil core sampling was conducted in all boring locations from the surface down to 16 feet bgs. A CALIBRE geologist logged each boring for soil type and location of the confining layer (i.e., base of the 1st WBZ). Well logs of each location are included in Attachment D.1. Soil samples were collected from each well boring above and below the saturated zone, typically where they registered highest on a field PID reading.

The saturated thickness in the wells was approximately 2 to 3 feet (in the 1st WBZ at the time of the installation in late fall). Due to the very thin saturated thickness, well development included water addition for surging/pumping. Consequently, the wells were sampled for VOCs prior to well development on November 1, 2010. One groundwater sample was collected per well in addition to a duplicate for quality control purposes (from Well R1-IW10).

All soil and groundwater samples were collected in accordance with the sampling methods describe in the SOPs and the QAPP of the ERD Interim Action Work Plan (Floyd|Snider and CALIBRE 2008). All samples were submitted to Fremont Analytical and analyzed for VOCs using USEPA Method 8260C.

Initial ERD substrate application to the 1st WBZ in the three new wells occurred after well installation to test the capacity of this area for further ERD treatment. Each well was injected with 750 gallons of substrate solution for a total of 2,250 gallons injected. The wells were injected with a slight pressure and the wells appeared to receive the injections smoothly.

2.5 SOIL VAPOR EXTRACTION PILOT TEST

A short term SVE pilot test was conducted on the three new ERD injection wells on November 9 and 10, 2010. The SVE system used a 1.5 HP Rotron EN 454 regenerative blower. The SVE equipment was connected to a well head with Fernco® fittings and a 2-inch hose piped to a moisture separator to remove entrained water. Operating conditions at the blower were monitored with vacuum gauges and discharged air was monitored through a flow meter. The

operating vacuum was measured in inches of water and the flow meter scale in cubic feet per minute (CFM). The system ran at a flow rate that was above the capacity on the flow meter gauge (36 CFM). Therefore, to estimate the flow rate, the other measured parameters were used with the blower performance curve to calculate the flow rate. The operating vacuum was measured at the inlet of the blower and the blower performance curve was used to calculate the flow rate (in CFM) at each operating condition (refer to Figure D.4).

The SVE tests were run for 2 to 3 hours per well over the 2-day period. Based on an extraction flow rate of 50 CFM, the expected flushing radius from each well is approximately 30 feet. Well R1-IW10 was operated at a higher extraction rate (85 CFM) and the expected flushing radius from that test is approximately 40 feet.

The objective was to run each well through the vacuum test, while operating at a condition that would not pull the water column above the screen interval. The vacuum induced at other monitoring points (nearby monitoring wells) was measured during each SVE test at each well. The monitoring points were fitted with a cap that had a barb fitting connected to a polyethylene tube, which was pinched shut when not used for monitoring. Two Dwyer Magnehelic® vacuum gauges were used at these points to monitor induced vacuum. One gauge was a higher resolution, measuring 0 to 2 inches of water maximum vacuum, and the other was a lower resolution measuring 0 to 25 inches of water maximum vacuum. The vacuum gauge with the higher resolution (lower total range) was used at monitoring points further away and the lower resolution (larger total range) was used at monitoring points closer to the extraction point. Wells in the nearby vicinity remained sealed.

A total of three air samples in Tedlar bags were collected; two from Well R1-IW9 and one from Well R1-IW10. The air samples were delivered to Fremont Analytical for analysis of VOCs under USEPA method 8260C.

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3.0 Summary of Analytical Results

3.1 GP-87 SOURCE AREA SOIL SAMPLING RESULTS

The primary VOCs detected were those previously detected at the Site (PCE, trichloroethene [TCE], cis-1,2 -dichloroethene [cis-1,2-DCE], and vinyl chloride [VC]). A listing of the results for these compounds is included in Table D.1. Laboratory data reports are contained in Attachment D.2.

3.2 TOTAL PETROLEUM HYDROCARBON GROUNDWATER SAMPLING RESULTS

Table D.2 presents TPH and benzene, toluene, ethylbenzene, xylenes (BTEX) in groundwater for selected 1st WBZ and 2nd WBZ wells throughout the Site. Table D.3 presents a table of the results for the key CEAs (PCE, TCE, cis-1,2-DCE, and VC) in groundwater in these wells. The laboratory data reports are contained in Attachment D.2.

3.3 GEOPROBE GROUNDWATER SAMPLING RESULTS

The primary compounds detected were those previously detected at the Site including parent (e.g., PCE) and daughter products (e.g., VC). Table D.4 presents the results (PCE, TCE, cis-1,2-DCE, trans-1,2-DCE and VC) from the seven probe locations. The laboratory data reports are contained in Attachment D.2.

Probe locations GP-100 (shallow) and GP-105 (deep) were the first two locations sampled in order to determine if expanded sampling would be implemented (described as planned contingent probe points in the work plan). Results for GP-100 indicated that it sufficiently bounded the VOC plume north of Phase 1 injection wells. Results from GP-106 show the VOC plume is now bounded on the south end of Fox Avenue S. Probe point GP-103, located near Well R1-IW7, was sampled at 80 to 85 feet bgs to bound the lower extent of the VOC plume. Results for this sample did not completely define the base of the plume, as there were detections of daughter products cis-1,2-DCE and VC (2.3 µg/L and 17 µg/L, respectively). However, the groundwater results from GP-104, GP-105, and GP-106 demonstrate that the base of the VOC plume shallows up towards the southern end of the Row 1 transect. Results from GP-104 and GP-105 indicate the plume shallows up to 50 to 55 feet bgs, and even more so at GP-106, where the only detection is 4.6 µg/L of cis-1,2-DCE at 25 to 30 feet bgs.

3.4 NORTHWEST CORNER WELL INSTALLATION AND SAMPLING COLLECTION

All soil samples taken during well installation in the Northwest Corner, except at R1-IW09, had low level concentrations of PCE (ranging from 0.01 to 1.6 mg/kg soil). Daughter products (TCE, cis-1,2-DCE, and VC) were detected in several soil samples but all detections were at low levels or at non detect.

Groundwater samples from all three wells confirmed the presence of the VOC plume in the Northwest Corner parking lot area. Compounds detected included PCE, TCE, and cis-1,2-DCE. Both trans-1,2-DCE and VC were not detected.

3.5 SOIL VAPOR EXTRACTION PILOT TEST

The sampling results include field PID measurements and the individual VOCs detected in air samples. PCE, TCE, and cis-1,2-DCE were detected in the three Tedlar bag samples. The highest concentrations were of PCE, ranging from 127 µg/L at R1-IW9 to 138 µg/L at R1-IW10. These data, in combination with the expected flow rate, indicate that an appropriately designed SVE system (in the Northwest Corner Area) would be expected to initially extract 1 to 2 pounds (lbs) per day of PCE (potentially more; Table D.5). It is normal for this removal rate to decline to asymptotic levels as the inventory of solvent mass in the soils is depleted. Since SVE is recognized as a presumptive remedy for VOCs in sandy soil, and the SVE test demonstrated that removal of a significant mass is feasible, SVE is recommended as the most likely candidate for vadose zone soil remediation in the Northwest Corner Area.

The expected SVE radius of influence was measured in the pilot test. A nearly steady state vacuum was induced very quickly in all wells monitored (Table D.5) and a radius of influence between 30 to 40 feet from a well head appears reasonable. One noted limitation for SVE in this area is the shallow water table, which limits the vacuum that may be applied (approximately 20 to 30 inches of water) before the groundwater rises up and causes well screen submersion. Two of the tests were run at a lower vacuum with the addition of bleed air (to prevent lifting the water table up too high such that it would seal off the well screen and stop air flow). Therefore, it is important to note that the PID measurements at Wells R1-IW9 and R1-IW8 include some degree of dilution due to the introduction of bleed air. The PID measurements taken with and without bleed air (when feasible) were used to calculate the bleed air fraction. This fraction was used to estimate the extraction rate (from the vadose zone) for Well R1-IW9 (Table D.5).

Other information derived from the SVE tests includes the following:

- The vent well yield and induced vacuum data (at the SVE well) indicate a soil permeability of approximately 3 x 10^{-2} cm/sec (this is an approximate value).
- A yield from single SVE wells of approximately 50 CFM is reasonable (this may be reduced in a wet season with a high water table).
- A maximum vacuum applied at the well head of approximately 20 to 30 inches of water should be planned.

In summary, an appropriately designed SVE system for the Northwest Corner Area should be able to remove approximately 1 to 2 lbs of PCE/day, at least initially.

3.6 DATA QUALITY ASSURANCE

A Tier I data quality review was performed on the data resulting from laboratory analysis. The analytical data was validated in accordance with the following:

- USEPA CLP National Functional Guidelines for Organic Data Review (1999, 2008).
- USEPA CLP National Functional Guidelines for Organic Data Review (1999) as applied to criteria in NWTPH-Dx and NWTPH-Gx, June 1997, Ecology & Oregon Department of Environmental Quality (DEQ).

All analyses were completed within required holding times. No contamination was detected in the method blanks.

The 1,1-dichloroethene spike recovery for the laboratory control sample (LCS) of sample delivery group CHM101027-6 was 53 percent and outside laboratory control limits (65 to 135 percent) low by 12 percent. All other recovery compounds in this LCS were within control limits, and the 1,1-Dichloroethene recovery of the Matrix Spike was also within control limits. Per USEPA guidelines, because all sample results for this compound were non-detects, they are to be “R” and rejected based on the low spike recovery. Therefore all 1,1-Dichloroethene results in SDG CHM101027-6 have been flagged as not suitable for use due to this quality assurance/quality control concern.

In SDG CHM101027-6 the relative percent difference (RPD) for sample GP-92A-38.0-38.2 and its lab sample duplicate was outside the laboratory control limit of 30 percent and the QAPP control limit of 55 percent for two compounds. The trans-1,2-Dichloroethene RPD was 61 percent, and the cis-1,2-Dichloroethene RPD was 107 percent. It is with professional judgment that the original sample results for these compounds be “J” flagged as estimates due to the RPDs exceeding both laboratory and QAPP control limits.

All other data quality objectives were met for these analyses. All data that was not marked as rejected are determined to be of acceptable quality for use as qualified.

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4.0 Summary of Findings

The data collected filled the data gaps as identified above. In particular, the data indicate the following findings of significance.

4.1 GP-87 SOURCE AREA DELINATION

The investigation confirmed the presence of only a limited extent of deep solvent contamination near GP-87. Only one sample contained PCE+TCE concentrations greater than 10 mg/kg (sample from 64 feet bgs at GP-96). The remaining borings surrounding GP-87 were noticeably free of significant solvent contamination. Additionally, in all borings, the vadose zone samples contained no to very low concentrations of solvent, thereby confirming that shallow thermal treatment is not necessary in this area.

4.2 TPH CONCENTRATIONS IN GROUNDWATER

TPH was established to occur in groundwater at this Site, primarily in the mineral spirit range, with some occurrence of diesel range organics as well. The highest concentrations are found near the loading dock and in the main source area (and in downgradient Well MW-10). The concentrations of TPH appear to be greatly reduced at Fox Avenue S., indicating minimal TPH is being transported downgradient towards the S. Myrtle Street Embayment. Overall, the TPH groundwater results provided sufficient data necessary to confirm TPH as a site COC.

4.3 VOLATILE ORGANIC PLUME IN GROUNDWATER DELINEATION

The results from the probe investigation have bounded the VOC plume along the full length of Fox Avenue S. and provided information to define the extent of the Phase 2 ERD expansion. The VOC concentrations in perimeter probes generally indicate non-detect levels or levels below applicable cleanup levels. The set of probe points just outside of the central area of the plume show VOC concentrations as expected and demonstrate the need for additional Phase 2 treatment wells along Fox Avenue S. A total of eight additional injection wells (for a total of 11 including the three shallow zone injection wells installed in the Northwest Corner Area) are proposed for the Phase 2 ERD expansion at Row 1 and are presented in cross-section in Figure D.5 and Figure 11.1 in the main RI/FS. These eight additional wells, six deep and two shallow, are proposed to the north of Phase 1 ERD injection wells and three deep injection wells are proposed to the south of the existing transect (refer to Figure 11.1 in the main RI/FS). The expansion of Row 2 injection wells is intended to provide complete treatment of the plume as it leaves Fox Avenue S.

4.4 NORTHWEST CORNER ERD INJECTION WELL CAPACITY

The initial injections of substrate into the 1st WBZ soils indicate that the aquifer soils are capable of accepting substrate in line with other areas of the Site currently undergoing ERD. No evidence of low permeability soils in the area was suggested. ERD will likely be easily implementable in this portion of the Site. Total organic compound (TOC) sampling will be conducted at the new injection wells along with nearby monitoring wells to verify mixing and spreading of the substrate.

4.5 SOIL VAPOR EXTRACTION PILOT TEST

Vapor concentrations did not measurably decline during the operating SVE tests. These concentrations support that 1 to 2 pounds/day of PCE may be able to be extracted from the vadose zone using SVE. SVE appears to be an effective means of treatment and it is recognized as the presumptive remedy for VOCs in sandy soils. Design information was obtained that indicate the predicted flushing area for each SVE test well covers an area of approximately 60 feet in diameter. It is recommended that four new SVE wells be installed with each of the wells spaced approximately 50 feet from each other.

5.0 References

CALIBRE. 2010. *Fox Avenue Addendum for ERD Expansion.* 21 October.

Floyd|Snider. 2009. Technical Memorandum to Sunny Lin Becker, Washington State Department of Ecology. Re: *Fox Avenue Supplemental Source Area Geoprobe Sampling Results.* 15 September.

Floyd|Snider. 2010. *Addendum for Additional Soil Borings near GP-87 for Source Area Definition and TPH Sampling of Groundwater.*

Floyd|Snider and CALIBRE. 2008. *Interim Action Enhanced Reductive Dechlorination for Groundwater Work Plan.* Prepared for Fox Avenue Building LLC. 5 September.

———. 2009. *Data Gaps Investigation Technical Memorandum.* Prepared for Fox Avenue Building LLC. 17 April.

Fox Avenue Site
Seattle, Washington

Remedial Investigation/ Feasibility Study

Appendix D
Additional Data Gaps Investigation Data Report

Tables

FINAL

Table D.1
Selected Chlorinated Ethenes and Ethanes in Source Area Geoprobe Soil Samples—October 2010

Location	Sample ID	Sample Date	Depth (feet bgs)	Tetrachloroethene (mg/kg)	Trichloroethene (mg/kg)	cis-1,2-Dichloroethene (mg/kg)	Vinyl Chloride (mg/kg)
GP-92A	GP-92A-38.0-38.2	10/27/2010	38–38.2	0.02 U	0.03 U	7.3 J	0.47
	GP-92A-41.0-41.2	10/27/2010	41–41.2	0.02 U	0.03 U	0.51	0.61
	GP-92A-48.0-48.2	10/27/2010	48–48.2	0.01 J	0.02 J	0.01 J	0.002 U
	GP-92A-57.0-57.2	10/27/2010	57–57.2	0.02 U	0.03 U	2.8	0.13
GP-92B	GP-92B-2.8-3.0	10/27/2010	2.8–3	1.8	4.8	3.1	0.008
	GP-92B-17.0-17.5	10/27/2010	17–17.5	0.02 U	0.03 U	0.02 U	0.004
GP-93	GP-93-7.5-8.0	10/27/2010	7.5–8	0.11	0.03	0.04	0.001 J
	GP-93-42.0-42.2	10/27/2010	42–42.2	0.02 U	0.03 U	0.02 U	0.007
	GP-93-47.0-47.5	10/27/2010	47–47.5	0.02 U	0.03 U	0.02 U	0.002 U
GP-94	GP-94-7.0-7.5	10/28/2010	7–7.5	0.09	0.02 J	0.02	0.002 U
	GP-94-17.5-18.0	10/28/2010	17.5–18	0.02 U	0.03 U	0.02	0.01
	GP-94-25.0-25.5	10/28/2010	25–25.5	0.02 U	0.03 U	0.02	0.02
	GP-94-37.0-37.5	10/28/2010	37–37.5	0.02 U	0.03 U	0.02 U	0.002
	GP-94-49.0-49.5	10/28/2010	49–49.5	0.02 U	0.03 U	0.02 U	0.002 U
GP-95	GP-95-2.5-3.0	10/28/2010	2.5–3	0.97	0.24	0.19	0.001 J
	GP-18.5-19.0	10/28/2010	18.5–19	0.02 U	0.03 U	0.02 U	0.014
	GP-95-38.5-39.0	10/28/2010	38.5–39	0.02 U	0.03 U	0.02 U	0.002 U
	GP-95-42.0-42.5	10/28/2010	42–42.5	0.02 U	0.03 U	0.02 U	0.002
	GP-95-48.0-48.5	10/28/2010	48–48.5	0.02 U	0.03 U	0.02 U	0.002 U
GP-96	GP-96-9.0-10.0	10/29/2010	9–10	0.07	0.01 J	0.06	0.002 U
	GP-96-15.0-15.5	10/29/2010	15–15.5	0.03	0.03 U	0.01 J	0.002 U
	GP-96-44.0-45.0	10/29/2010	44–45	0.28	0.04	0.03	0.002 U
	GP-96-47.5-48.5	10/29/2010	47.5–48.5	0.02 U	0.03 U	0.02 U	0.002 U
	GP-96-56.5-57.5	10/29/2010	56.5–57.5	0.02 U	0.69	0.52	0.002 U
	GP-96-59.0-60.0	10/29/2010	59–60	0.02 U	5.2	1.1	0.002 U
	GP-64.0-65.0	10/29/2010	64–65	9.9	8.9	0.41	0.002 U

Abbreviation:

bgs below ground surface

Qualifiers:

J Value given is an estimate

U Value is undetected at given reporting limit

Table D.2
TPH and BTEX in Groundwater Monitoring Well Sampling—October 2010

Location	Sample ID	Sample Date	Depth (feet bgs)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	Total BTEX[1] (µg/L)	Diesel Range Hydrocarbons (µg/L)	Heavy Oil Range (µg/L)	Mineral Spirits Range (µg/L)
B-10A	B-10A-11.5	10/20/2010	11.5	11	52	280	450	790	1,300	100 U	4,600
B-11	B-11-12	10/20/2010	12	0.88 J	1 U	1 U	1 U	0.88 J	50 U	100 U	50 U
B-18	B-18-11	10/21/2010	11	1 U	1 U	1 U	1 U	1 U	50 U	100 U	50 U
B-39	B-39-11	10/20/2010	11	12	1.1	1 U	31	44	50 U	100 U	1,400
B-52	B-52-10.5	10/20/2010	10.5	7.9	17	1.2	6.7	33	50 U	100 U	680
B-58	B-58-10.5	10/21/2010	10.5	1 U	1 U	1 U	1 U	1 U	50 U	100 U	50
B-59	B-59-27.5	10/21/2010	27.5	1.3	1 U	1 U	1 U	1.3	50 U	100 U	50 U
B-59	B-59C-27	10/21/2010	27.5	1	1 U	1 U	1 U	1	50 U	100 U	50 U
B-60	B-60-11	10/21/2010	11	1 U	1 U	1 U	1 U	1 U	50 U	100 U	50 U
B-61	B-61-41.5	10/21/2010	41.5	4.5	0.78 J	1 U	1.6	6.9 J	50 U	100 U	80
B-62	B-62-10.5	10/21/2010	10.5	3.8	1 U	1 U	12	16	50 U	100 U	230
B-63	B-63-40.5	10/21/2010	40.5	1 U	1 U	1 U	1 U	1 U	50 U	100 U	140
MW-10	MW-10-24	10/20/2010	24	4.8	170	120	71	370	50 U	100 U	1,800
MW-13	MW-13-67.5	10/20/2010	67.5	60	830	76	110	1,100	50 U	100 U	1,700
MW-14	MW-14-57.5	10/21/2010	57.5	1 U	1.1	36	4.8	42	360	710	650
PTM-2L	PTM-2L-35	10/20/2010	35	5	0.49 J	1 U	1.2	6.7 J	50 U	100 U	500

Note:

1 BTEX values have been rounded to two significant figures.

Abbreviations:

bgs Below ground surface
BTEX Benzene, toluene, ethylbenzene, xylene
TPH Total petroleum hydrocarbons

Qualifiers:

J Value given is an estimate
U Value is undetected at given reporting limit

Table D.3
Selected Chlorinated Ethenes and Ethanes in Groundwater Monitoring Well Sampling—October 2010

Location	Sample ID	Sample Date	Depth (feet bgs)	Tetrachloroethene (µg/L)	Trichloroethene (µg/L)	cis-1,2-Dichloroethene (µg/L)	Vinyl Chloride (µg/L)
B-10A	B-10A-11.5	10/20/2010	11.5	1.9	16	3,800	1,400
B-11	B-11-12	10/20/2010	12	1,100	640	1,700	5.2
B-18	B-18-11	10/21/2010	11	1	1 U	320	96
B-39	B-39-11	10/20/2010	11	2,300	920	870	71
B-52	B-52-10.5	10/20/2010	10.5	15	1.8	3,700	1,800
B-58	B-58-10.5	10/21/2010	10.5	430	150	240	12
B-59	B-59-27.5	10/21/2010	27.5	1.2	0.54 J	16	8.7
B-59	B-59C-27	10/21/2010	27.5	1.1	0.6 J	27	7.9
B-60	B-60-11	10/21/2010	11	420	130	370	38
B-61	B-61-41.5	10/21/2010	41.5	0.82 J	1 U	350	710
B-62	B-62-10.5	10/21/2010	10.5	660	330	820	1,400
B-63	B-63-40.5	10/21/2010	40.5	1 U	1 U	260	66
MW-10	MW-10-24	10/20/2010	24	1 U	1 U	1,800	1,700
MW-13	MW-13-67.5	10/20/2010	67.5	27	48	3,800	260
MW-14	MW-14-57.5	10/21/2010	57.5	0.94 J	1 U	1,100	690
PTM-2L	PTM-2L-35	10/20/2010	35	1	140	1,300	790

Abbreviation:

bgs Below ground surface

Qualifiers:

J Value given is an estimate.

U Value is undetected at given reporting limit.

Table D.4
Selected Chlorinated Ethenes and Ethanes in Geoprobe Groundwater Sampling—October 2010

Location	Sample Date	Depth (feet bgs)	Tetrachloroethene (µg/L)	Trichloroethene (µg/L)	cis-1,2-Dichloroethene (µg/L)	trans-1,2-Dichloroethene (µg/L)	Vinyl Chloride (µg/L)	Total CEAs (µg/L)
GP-100	10/25/2010	12.5	6.9	0.72 J	1 U	1 U	0.2 U	7.62
R1-IW8	11/1/2010	11	570	17	4.9	1 U	0.2 U	592
R1-IW9	11/1/2010	11	260	9	5.6	1 U	0.2 U	275
R1-IW10	11/1/2010	11	710	37	19	1 U	0.2 U	766
GP-101	10/26/2010	12.5	180	13	13	1 U	0.23	206
	10/26/2010	30	1 U	0.39 J	0.87 J	1 U	0.14 J	1.4 J
	10/26/2010	40	1 U	1 U	0.48 J	1 U	0.2 U	0.48 J
	10/26/2010	50	1 U	1 U	1 U	1 U	0.2 U	NA U
GP-102	10/26/2010	15	640	200	87	6.1	0.21	933
	10/26/2010	30	1.6	5.2	5	1	0.2 U	12.8
	10/26/2010	40	0.76 J	3.2	1.6	1 U	0.39	5.95
	10/26/2010	55	2.4	0.79 J	110	2.9	670	786
	10/26/2010	70	0.64 J	1 U	1.4	1 U	43	45
GP-103	10/26/2010	85	1 U	1 U	2.3	1 U	17	19.3
GP-104	10/25/2010	40	0.49 J	0.62 J	130	1.4	29	162
	10/25/2010	55	1 U	0.53 J	8.5	1 U	10	19
	10/25/2010	70	1 U	1 U	1 U	1 U	0.47	0.47
GP-105	10/27/2010	15	140	77	200	3.8	46	467
	10/27/2010	30	1 U	0.36 J	400	2.4	73	476
	10/25/2010	40	0.36 J	0.93 J	20	1 U	0.88	22
	10/25/2010	55	1 U	1 U	2.8	1 U	65	67.8
	10/25/2010	70	1 U	1 U	1 U	1 U	0.2 U	1 U
GP-106	10/27/2010	30	1 U	1 U	4.6	1 U	0.2 U	4.6
	10/27/2010	40	1 U	1 U	1 U	1 U	0.2 U	1 U
	10/27/2010	50	1 U	1 U	1 U	1 U	0.2 U	1 U
	10/27/2010	60	1 U	1 U	1 U	1 U	0.2 U	1 U

Abbreviations:

bgs Below ground surface
CEA Chlorinated ethene and ethane

Qualifiers:

J Value given is an estimate
U Value is undetected at given reporting limit

Table D.5
SVE System Calculations—October 2010

CALIBRE DESIGN CALCULATIONS

Date:11/
29/10 Fox Ave proj MM001003
By: TJM
Checked by:
Purpose: Calculate mass flux based on vapor concentr. for loading to off-gas treatment stream

Northwest Corner

19.0	ppmv, from Soil Vapor Sampling
19.0	estimated average from mult vent wells
165.8	Molecular weight
7.09	conversion factor from ppmv to ug/L
134.6	PCE concentration ug/L (measured with 8260 analysis of tedlar bags)
130	air flow rate cfm
134.6	PCE concentration ug/L
8.4E-06	PCE in lb/ft3
1.1E-03	PCE flux lbs/min
1.57	PCE flux lbs/day
2.2	days operation required for removal of 1 liter of TCE
0.45	liters/day
98.0%	% removal on carbon
1.5	loading on carbon at 98% removal (lb day)
0.03	discharge at 5% (lb day)
10.3	Lb/day carbon consumed at .15 lbs PCE/lb carbon** lbs/day
318	Lb/month lbs carbon used/month
5.7	months/1800 lb vessel

**carbon use estimated at 50% OF MAX CAPACITY 30% AT 20 PPMV

Table D.6
Soil Vapor Extraction System Pilot Test—October 2010

R1-IW8 on 11/9/2010

Time	R1-IW10	NW2-1	B-56	R1-IW8[1]	Air Flow Rate (CFM at Blower)	PID at Discharge (ppmv)	Notes
1232							
1236	0.05	0.05	0.05				Baseline vacuum measurements
1244							
1249				20.5	97.1	66[2]	
1253				20	97.8		Increased bleed air to blower;vacuum from 21 to 20
1255						55[2]	
1259	0.45	0.45	0.4	20	97.8		
1305						52[2]	
1315	0.45	0.4	0.37	20	97.8	44[2]	
1328						46.8[2]	Bleed air included in tedlar bag; 69.2 ppm.
1346	0.48	0.5	0.4	20.2	98	44.4[2]	
1411	0.46	0.47	0.37	20.1	98	41.9[2]	
1439	0.48	0.49	0.4	20.5	97	40.6[2]	
1507	0.48	0.48	0.39	20.5	97	40[2]	
1512				26	89	48.7[2]	Reduced bleed air setting; vacuum gauge = 32 in H_20
1515				Off Scale		57.4[2]	Reduced bleed air to 43 in H_20 on vacuum gauge.
1520	0.49	0.49	0.37	Off Scale		59.9[2]	Vaccum guage = 43 in H_20 on blower
1525	Ended suction on R1-IW8						

Notes:

1 Well head to which the SVE blower was attached.

2 PID measurements were taken with bleed air; concentrations are lower than acutal vadose vapor concentrations.

Abbreviations:

bgs Below ground surface
CFM Cubic feet per minute
PID Photoionization detector
ppm Parts per million
ppmv Parts per million by volume

Table D.6
Soil Vapor Extraction System Pilot Test—October 2010

R1-IW10 on 11/10/2010

Time	NW2-1	B-56	R1-IW9	R1-IW10[1]	Air Flow Rate (CFM at Blower)	PID at Discharge (ppmv)	Notes[2]
852							
855							
858							
901							
909							
915							Apply vacuum
919						168	
923	8	0.96	1.86	28	85	161.7	No bleed air
936	8	1	1.85	28.5	84	163	
958	8	1	1.94	29.5	83	164.2	
1030						163.6	Collected tedlar bag sample
1126	8	1	1.94	30.3	81	135.7	
1135	End SVE test on IW10						

Notes:

1 Well head to which the SVE blower was attached.

2 Blower was run with zero bleed air; PID samples reflect vadose zone vapors only.

Abbreviations:

bgs Below ground surface
CFM Cubic feet per minute
PID Photoionization detector
ppm Parts per million
ppmv Parts per million by volume

Table D.6
Soil Vapor Extraction System Pilot Test—October 2010

R1-IW9 on 11/10/2010

Time	B-56	NW2-1	R1-IW9[1]	Air Flow Rate (CFM at Blower)	Air Flow Extraction Rate (CFM from Well)	PID at Discharge (ppmv)	Notes
1201							Ambient air measured at 0
1213							Vac System turned on
1214			30	82		141	Tedlar Bag collected
1221			40				Vacuum reapplied at IW9
1223							Breaker tripped;water rose above screen
1231							Vac reapplied at IW9; bleed air adjusted to 20
1232						163	Includes a portion of bleed air[2]
1235	1.05	0.94	20	98	59	103	Includes bleed air[2]
1242						171	No bleed air
1258	1.1	1.03	20.5	97	59	104.6	Includes bleed air[2]
1303						171.7	No bleed air
1327						174.2	No bleed air
1329							Tedlar bag collected, no bleed air
1333	1	1.05	22	95	59	109	Includes bleed air;ended suction on R1-IW9[2]

Notes:

1 Well head to which the SVE blower was attached.

2 PID measurements were taken with bleed air; concentrations are lower than acutal vadose vapor concentrations.

Abbreviations:

bgs Below ground surface
CFM Cubic feet per minute
PID Photoionization detector
ppm Parts per million
ppmv Parts per million by volume

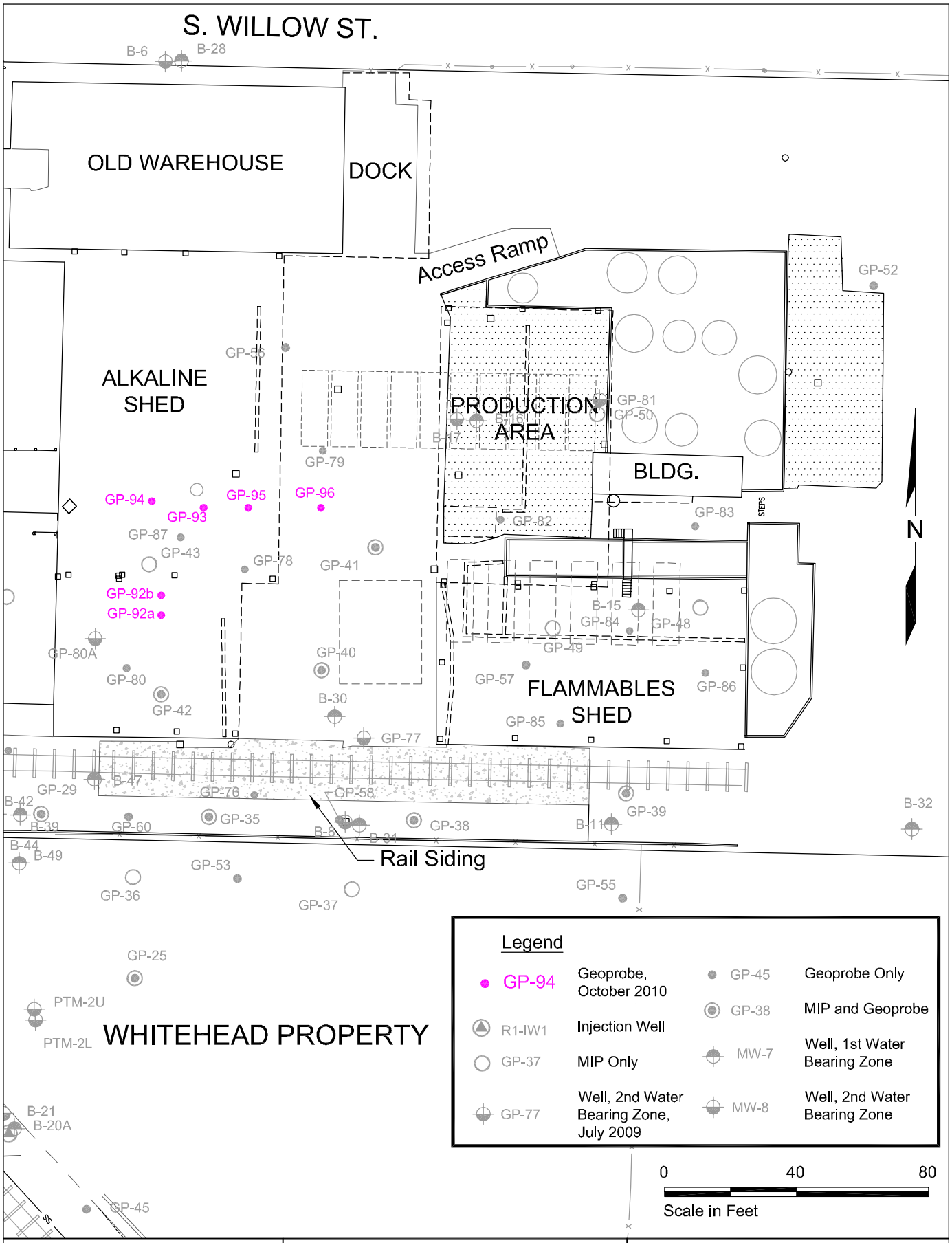
Fox Avenue Site
Seattle, Washington

Remedial Investigation/ Feasibility Study

Appendix D
Additional Data Gaps Investigation Data Report

Figures

FINAL



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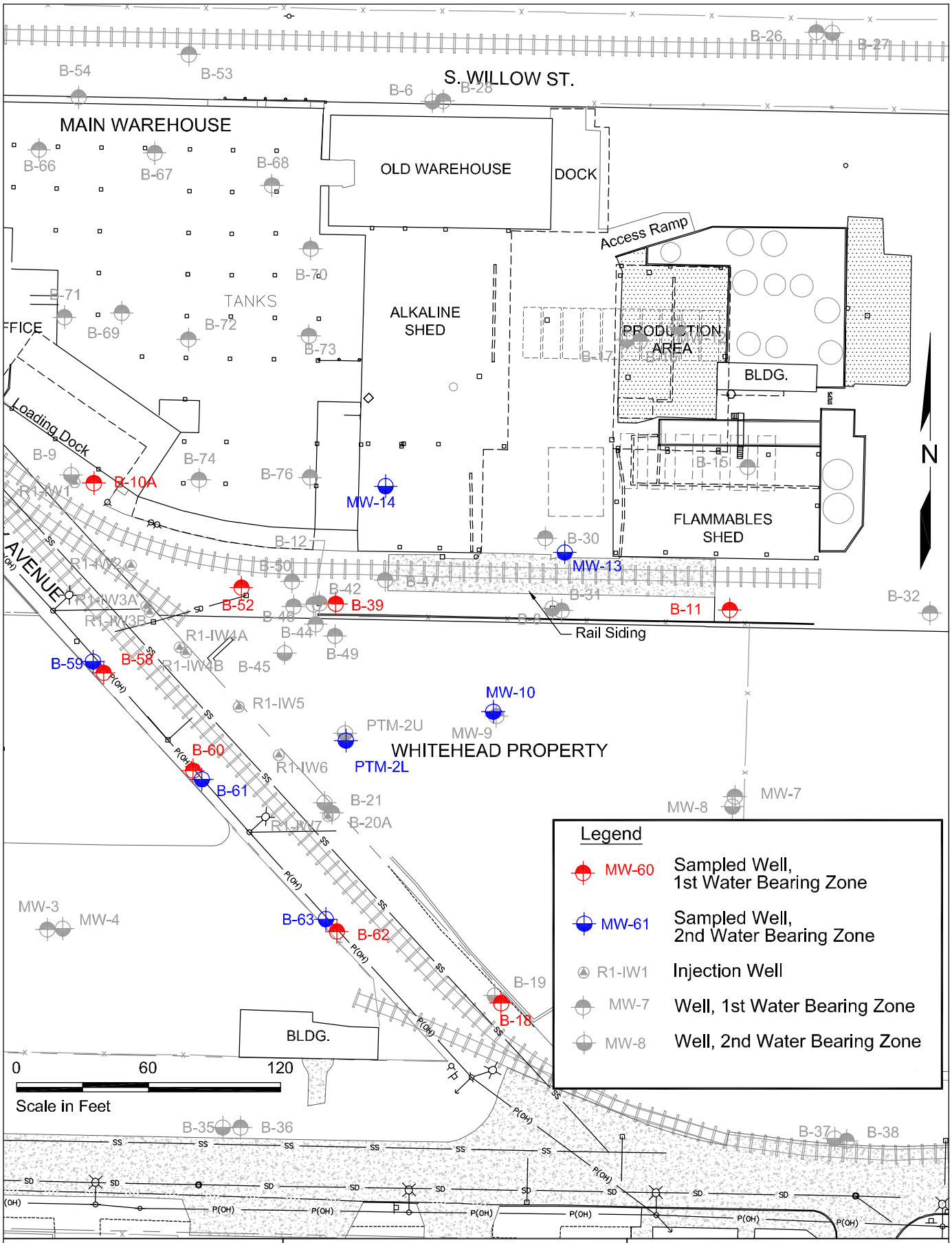
Additional DGI Data Report
Fox Avenue Site
Seattle, Washington

Figure D.1
Geoprobe Soil Sampling Locations – October 2010



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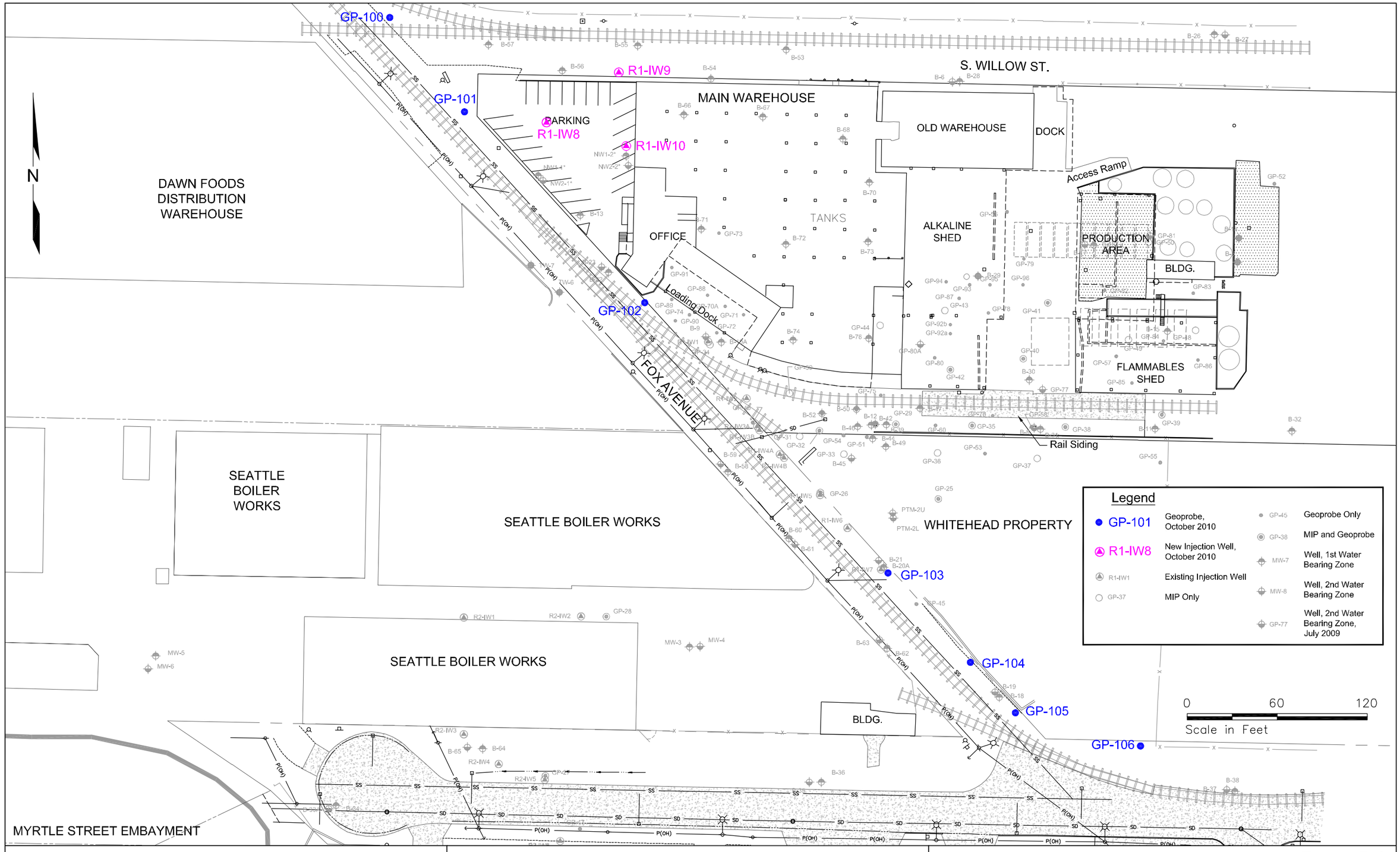
Additional DGI Data Report
Fox Avenue Site
Seattle, Washington

Figure D.2
Wells Sampled for TPH and VOC Analyses – October 2010



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Additional DGI Data Report
Fox Avenue Site
Seattle, Washington

Figure D.3
Geoprobe and ERD Injection Well Groundwater Sampling Locations – October 2010

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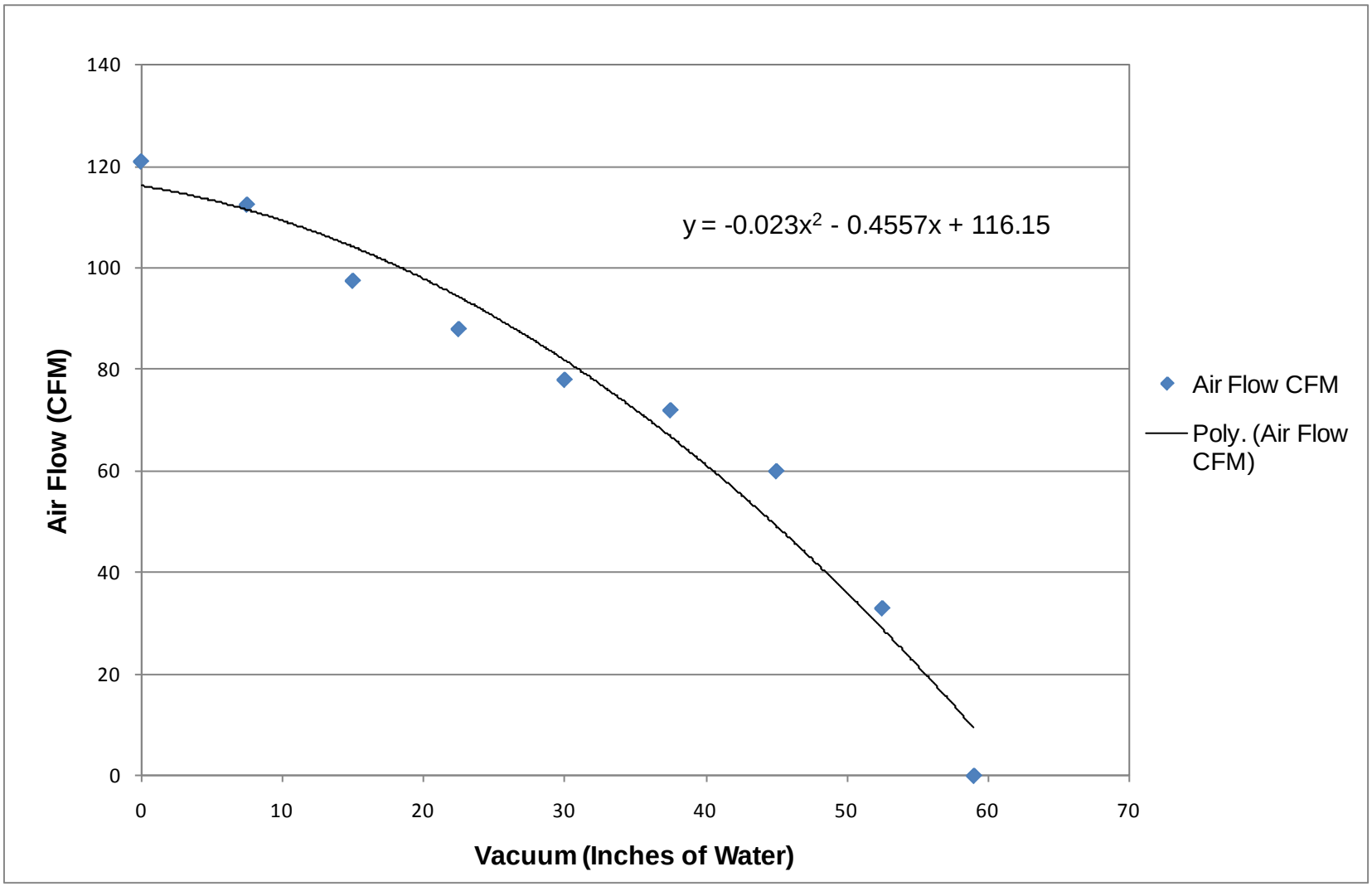
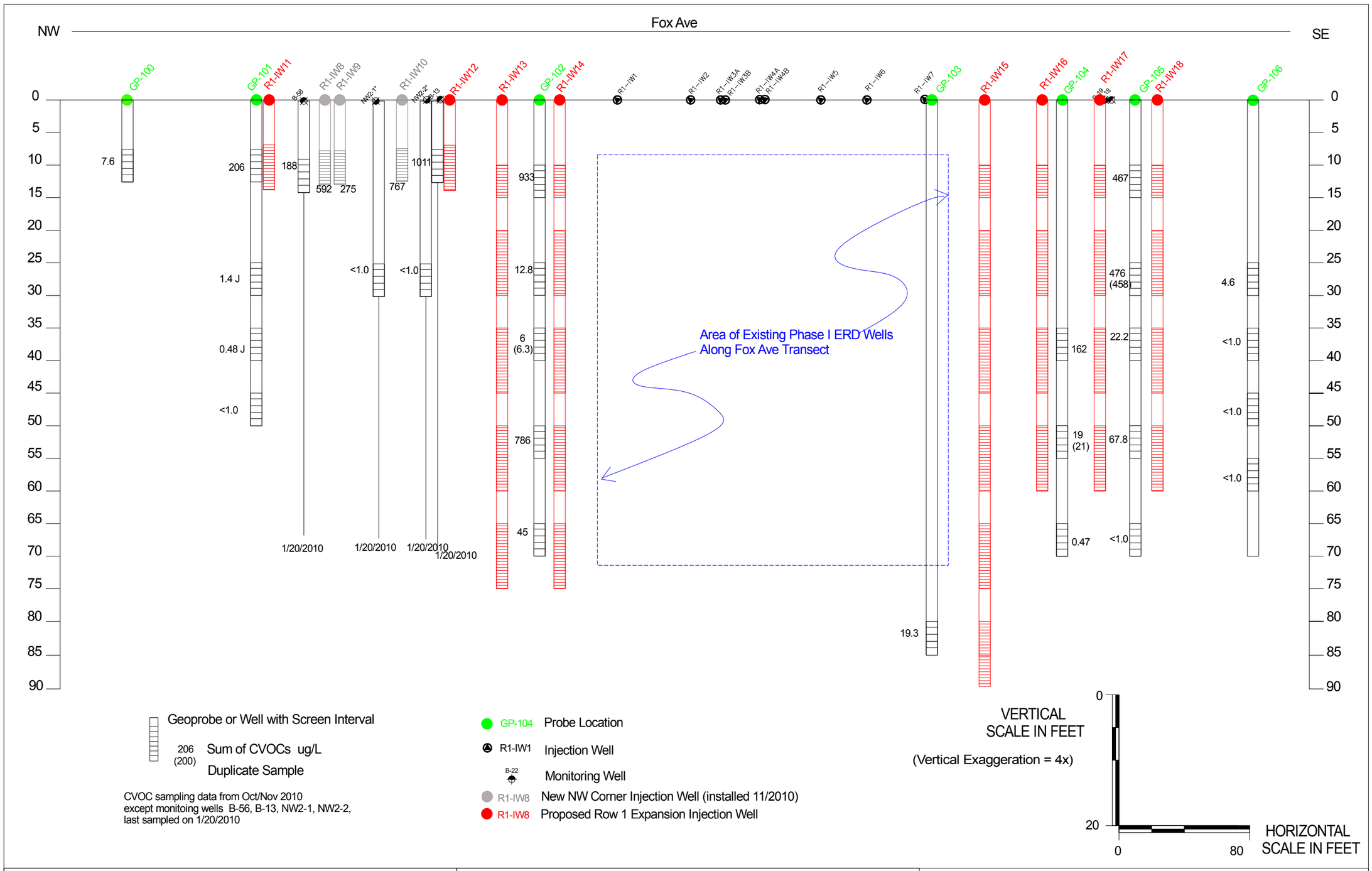


CALIBRE	**Remedial Investigation/Feasibility Study Fox Avenue Site Seattle, Washington**	Figure D.4 Blower Performance Curve



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Additional DGI Data Report
Fox Avenue Site
Seattle, Washington

Figure D.5
Samples from Geoprobes/Wells and Proposed
Row 1 Expansion Injection Wells

Fox Avenue Site
Seattle, Washington

Remedial Investigation/ Feasibility Study

Appendix D
Additional Data Gaps Investigation Data Report

Attachment D.1
Boring and Well Logs

FINAL

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Boring ID: GP-92A

Drill Date: 10/27/2010
Weather Cond.: Cloudy, 50 degrees
Logged By: Erin Murray
Drilled By: Kasey Goble/Cascade Drilling
Drill Type: Direct Push Geoprobe
Sample Method: direct push 2"x5' core
Boring Diameter: 2"
Boring Depth (ft bgs): 65'
Groundwater ATD (ft bgs): NA

Client: Fox Avenue LLC
Project: 2010 Add'l Source Area Geoprobes
Task: Task 1
Address: 6900 Fox Avenue Seattle, WA

Coordinate System: NAD83/98
Ground Surf. Elev. & Datum: 21.00; NAVD88
Latitude/Northing: 200653.7
Longitude/Easting: 1271753.5
Boring Location: Alkaline Shed

Remarks: PID readings via screening of split core at ambient temperature.

PID (ppm)	NAPL and PERMANG. INDICAT.	SAMPLE COLLECTED	DRIVEN / RECOVERED	DEPTH FT BGS	USCS SYMBOL	SOIL DESCRIPTION AND OBSERVATIONS
				0	Concrete	Concrete at surface. Liner below.
				1–20		Pushed to 35' bgs; no samples collected. Refer to GP-92b for lithology.

Notes:
FT BGS = feet below ground surface
ppm = parts per million
= NAPL Observed in Sample
--- Dashed contact line in soil description indicates a gradational or unknown contact
USCS = Unified Soil Classification System
▼ = groundwater table at time of drilling
= Permanganate Staining Observed in Sample
= Soil sample
= Groundwater sample via peristaltic, symbol denotes top of screen.

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Boring ID: GP-92A

Drill Date: 10/27/2010
Weather Cond.: Cloudy, 50 degrees
Logged By: Erin Murray
Drilled By: Kasey Goble/Cascade Drilling
Drill Type: Direct Push Geoprobe
Sample Method: direct push 2"x5' core
Boring Diameter: 2"
Boring Depth (ft bgs): 65'
Groundwater ATD (ft bgs): NA

Client: Fox Avenue LLC
Project: 2010 Add'l Source Area Geoprobes
Task: Task 1
Address: 6900 Fox Avenue Seattle, WA

Coordinate System: NAD83/98
Ground Surf. Elev. & Datum: 21.00; NAVD88
Latitude/Northing: 200653.7
Longitude/Easting: 1271753.5
Boring Location: Alkaline Shed

Remarks: PID readings via screening of split core at ambient temperature.

PID (ppm)	NAPL and PERMANG. INDICAT.	SAMPLE COLLECTED	DRIVEN / RECOVERED	DEPTH FT BGS	USCS SYMBOL	SOIL DESCRIPTION AND OBSERVATIONS
9.4 9.7 49.5		SS		35–40	SP/ SP-SM	Dark gray, poorly graded medium SAND grading to poorly graded fine SAND with silt (10%). Moist. Strong mineral spirit odor.

Notes:
FT BGS = feet below ground surface
ppm = parts per million
= NAPL Observed in Sample
--- Dashed contact line in soil description indicates a gradational or unknown contact
USCS = Unified Soil Classification System
= groundwater table at time of drilling
= Permanganate Staining Observed in Sample
= Soil sample
= Groundwater sample via peristaltic, symbol denotes top of screen.

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Boring ID: GP-92A

Drill Date: 10/27/2010
Weather Cond.: Cloudy, 50 degrees
Logged By: Erin Murray
Drilled By: Kasey Goble/Cascade Drilling
Drill Type: Direct Push Geoprobe
Sample Method: direct push 2"x5' core
Boring Diameter: 2"
Boring Depth (ft bgs): 65'
Groundwater ATD (ft bgs): NA

Client: Fox Avenue LLC
Project: 2010 Add'l Source Area Geoprobes
Task: Task 1
Address: 6900 Fox Avenue Seattle, WA

Coordinate System: NAD83/98
Ground Surf. Elev. & Datum: 21.00; NAVD88
Latitude/Northing: 200653.7
Longitude/Easting: 1271753.5
Boring Location: Alkaline Shed

Remarks: PID readings via screening of split core at ambient temperature.

PID (ppm)	NAPL and PERMANG. INDICAT.	SAMPLE COLLECTED	DRIVEN / RECOVERED	DEPTH FT BGS	USCS SYMBOL	SOIL DESCRIPTION AND OBSERVATIONS
13		S		40	SM	Dark gray, poorly graded fine silty SAND. Moist.
2.6				41		
				42		
				43		
				44		
4.2				45	SP	Dark gray, poorly graded medium SAND. Moist. Strong mineral spirit odor.
5.0				46		
758		S		47		
				48		
				49		
11.4				50		Same as above. Slight mineral spirit odor.
73				51		
				52		
				53		
				54		
55.6				55		Same as above.
				56		
116.1		S		57		
110.3				58		
				59		
				60		

Notes:
FT BGS = feet below ground surface
ppm = parts per million
= NAPL Observed in Sample
--- Dashed contact line in soil description indicates a gradational or unknown contact
USCS = Unified Soil Classification System
▼ = groundwater table at time of drilling
= Permanganate Staining Observed in Sample
S = Soil sample
W = Groundwater sample via peristaltic, symbol denotes top of screen.

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Drill Date: 10/27/2010
Weather Cond.: Cloudy, 50 degrees
Logged By: Erin Murray
Drilled By: Kasey Goble/Cascade Drilling
Drill Type: Direct Push Geoprobe
Sample Method: direct push 2"x5' core
Boring Diameter: 2"
Boring Depth (ft bgs): 65'
Groundwater ATD (ft bgs): NA

Boring ID: GP-92A

Client: Fox Avenue LLC
Project: 2010 Add'l Source Area Geoprobes
Task: Task 1
Address: 6900 Fox Avenue Seattle, WA

Coordinate System: NAD83/98
Ground Surf. Elev. & Datum: 21.00; NAVD88
Latitude/Northing: 200653.7
Longitude/Easting: 1271753.5
Boring Location: Alkaline Shed

Remarks: PID readings via screening of split core at ambient temperature.

PID (ppm)	NAPL and PERMANG. INDICAT.	SAMPLE COLLECTED	DRIVEN / RECOVERED	DEPTH FT BGS	USCS SYMBOL	SOIL DESCRIPTION AND OBSERVATIONS
102.1 66.3 73.2				60 61 62 63 64 65	SP	Same as above. Strong mineral spirit odor.

Notes:
FT BGS = feet below ground surface
ppm = parts per million
= NAPL Observed in Sample
--- Dashed contact line in soil description indicates a gradational or unknown contact
USCS = Unified Soil Classification System
= groundwater table at time of drilling
= Permanganate Staining Observed in Sample
= Soil sample
= Groundwater sample via peristaltic, symbol denotes top of screen.

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Boring ID: GP-92B

Drill Date: 10/27/2010
Weather Cond.: Cloudy, 50 degrees
Logged By: Erin Murray
Drilled By: Kasey Goble/Cascade Drilling
Drill Type: Direct Push Geoprobe
Sample Method: direct push 2"x5' core
Boring Diameter: 2"
Boring Depth (ft bgs): 20'
Groundwater ATD (ft bgs): 16'

Client: Fox Avenue LLC
Project: 2010 Add'l Source Area Geoprobes
Task: Task 1
Address: 6900 Fox Avenue Seattle, WA

Coordinate System: NAD83/98
Ground Surf. Elev. & Datum: 21.00; NAVD88
Latitude/Northing: 200659.7
Longitude/Easting: 1271753.5
Boring Location: Alkaline Shed

Remarks: PID readings via screening of split core at ambient temperature.

PID (ppm)	NAPL and PERMANG. INDICAT.	SAMPLE COLLECTED	DRIVEN / RECOVERED	DEPTH FT BGS	USCS SYMBOL	SOIL DESCRIPTION AND OBSERVATIONS
3.2				0–1	Concrete	Concrete at surface. Geotextile underneath.
32.2				1–2	SW	Dark orangish brown, well graded SAND. Moist.
42.1				2–3	GW	Gray, well graded GRAVEL (angular) with sand (> 15%). Dry to moist.
76.5		SS		3–4	SM/ML	Dark brown, silty fine SAND and medium orange-brown SILT. Moist.
26.8				4–5		
6.9		SS		5–6		
9.5				6–7		
8.4				7–8	SM/SP	Medium brown silty fine SAND grading to poorly graded medium SAND, no silt.
3.6				8–9		
6.7		SS		9–10		
5.1				10–11	SP	Dark brown poorly graded medium SAND. Moist.
2.8		SS		11–12		
2.3				12–13		
				13–14		
				14–15		
				15–16		Same as above. Wet at 16' bgs.
				16–17		
				17–18		
				18–19		
				19–20		Refer to GP-92A for lithology of 35' to 65' bgs.

Notes:
FT BGS = feet below ground surface
ppm = parts per million
= NAPL Observed in Sample
--- Dashed contact line in soil description indicates a gradational or unknown contact
USCS = Unified Soil Classification System
= groundwater table at time of drilling
= Permanganate Staining Observed in Sample
SS = Soil sample
W = Groundwater sample via peristaltic, symbol denotes top of screen.

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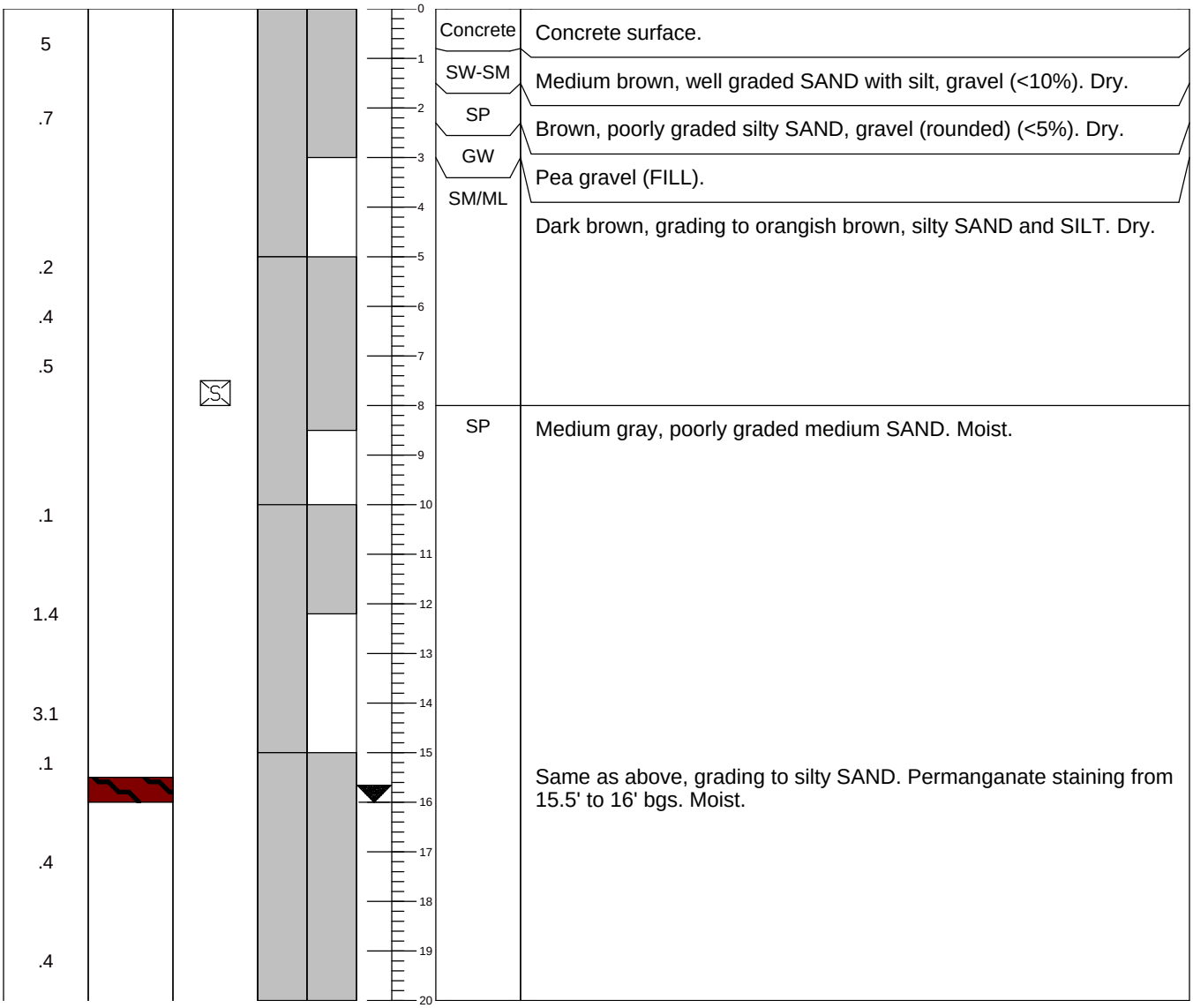
Boring ID: GP-93

Drill Date: 10/27/2010
Weather Cond.: Cloudy, 50 degrees
Logged By: Erin Murray
Drilled By: Kasey Goble/Cascade Drilling
Drill Type: Direct Push Geoprobe
Sample Method: direct push 2"x5' core
Boring Diameter: 2"
Boring Depth (ft bgs): 50'
Groundwater ATD (ft bgs): 16'

Client: Fox Avenue LLC
Project: 2010 Add'l Source Area Geoprobes
Task: Task 1
Address: 6900 Fox Avenue Seattle, WA

Coordinate System: NAD83/98
Ground Surf. Elev. & Datum: 21.00; NAVD88
Latitude/Northing: 200686.3
Longitude/Easting: 1271766.4
Boring Location: Alkaline Shed

Remarks: PID readings via screening of split core at ambient temperature.



Notes:
FT BGS = feet below ground surface
ppm = parts per million
= NAPL Observed in Sample
--- Dashed contact line in soil description indicates a gradational or unknown contact
USCS = Unified Soil Classification System
= groundwater table at time of drilling
= Permanganate Staining Observed in Sample
= Soil sample
= Groundwater sample via peristaltic, symbol denotes top of screen.

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Drill Date: 10/27/2010
Weather Cond.: Cloudy, 50 degrees
Logged By: Erin Murray
Drilled By: Kasey Goble/Cascade Drilling
Drill Type: Direct Push Geoprobe
Sample Method: direct push 2"x5' core
Boring Diameter: 2"
Boring Depth (ft bgs): 50'
Groundwater ATD (ft bgs): 16'

Boring ID: GP-93

Client: Fox Avenue LLC
Project: 2010 Add'l Source Area Geoprobes
Task: Task 1
Address: 6900 Fox Avenue Seattle, WA

Coordinate System: NAD83/98
Ground Surf. Elev. & Datum: 21.00; NAVD88
Latitude/Northing: 200686.3
Longitude/Easting: 1271766.4
Boring Location: Alkaline Shed

Remarks: PID readings via screening of split core at ambient temperature.

PID (ppm)	NAPL and PERMANG. INDICAT.	SAMPLE COLLECTED	DRIVEN / RECOVERED	DEPTH FT BGS	USCS SYMBOL	SOIL DESCRIPTION AND OBSERVATIONS
				20		Pushed to 40' bgs; no samples collected.
				21		
				22		
				23		
				24		
				25		
				26		
				27		
				28		
				29		
				30		
				31		
				32		
				33		
				34		
				35		
				36		
				37		
				38		
				39		
				40		

Notes:
FT BGS = feet below ground surface
ppm = parts per million
= NAPL Observed in Sample
--- Dashed contact line in soil description indicates a gradational or unknown contact
USCS = Unified Soil Classification System
= groundwater table at time of drilling
= Permanganate Staining Observed in Sample
= Soil sample
= Groundwater sample via peristaltic, symbol denotes top of screen.

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Boring ID: GP-93

Drill Date: 10/27/2010
Weather Cond.: Cloudy, 50 degrees
Logged By: Erin Murray
Drilled By: Kasey Goble/Cascade Drilling
Drill Type: Direct Push Geoprobe
Sample Method: direct push 2"x5' core
Boring Diameter: 2"
Boring Depth (ft bgs): 50'
Groundwater ATD (ft bgs): 16'

Client: Fox Avenue LLC
Project: 2010 Add'l Source Area Geoprobes
Task: Task 1
Address: 6900 Fox Avenue Seattle, WA

Coordinate System: NAD83/98
Ground Surf. Elev. & Datum: 21.00; NAVD88
Latitude/Northing: 200686.3
Longitude/Easting: 1271766.4
Boring Location: Alkaline Shed

Remarks: PID readings via screening of split core at ambient temperature.

PID (ppm)	NAPL and PERMANG. INDICAT.	SAMPLE COLLECTED	DRIVEN / RECOVERED	DEPTH FT BGS	USCS SYMBOL	SOIL DESCRIPTION AND OBSERVATIONS
				40	SP	Dark gray, poorly graded silty fine grading to medium SAND. No odor.
				41		
				42		
				43		
				44		
				45		Same as above.
				46		
				47		
				48		
				49		
				50		

Notes:
FT BGS = feet below ground surface
ppm = parts per million
= NAPL Observed in Sample
--- Dashed contact line in soil description indicates a gradational or unknown contact
USCS = Unified Soil Classification System
= groundwater table at time of drilling
= Permanganate Staining Observed in Sample
= Soil sample
= Groundwater sample via peristaltic, symbol denotes top of screen.

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Boring ID: GP-94

Drill Date: 10/28/2010
Weather Cond.: Cloudy, 50 degrees
Logged By: Erin Murray
Drilled By: Lynn Goble/Cascade Drilling
Drill Type: Direct Push Geoprobe
Sample Method: direct push 2"x5' core
Boring Diameter: 2"
Boring Depth (ft bgs): 50'
Groundwater ATD (ft bgs): 16'

Client: Fox Avenue LLC
Project: 2010 Add'l Source Area Geoprobes
Task: Task 1
Address: 6900 Fox Avenue Seattle, WA

Coordinate System: NAD83/98
Ground Surf. Elev. & Datum: 21.00; NAVD88
Latitude/Northing: 200688.3
Longitude/Easting: 1271750.7
Boring Location: Alkaline Shed

Remarks: PID readings via screening of split core at ambient temperature.

PID (ppm)	NAPL and PERMANG. INDICAT.	SAMPLE COLLECTED	DRIVEN / RECOVERED	DEPTH FT BGS	USCS SYMBOL	SOIL DESCRIPTION AND OBSERVATIONS
0.1				0	Concrete	Concrete surface.
1				1	SW	Medium brown, well graded SAND with angular gravel. Moist (FILL).
1.4				2		
0.7				3		
				4		
				5		
				6	SM/ML	Dark brown, grading to orangish mottled medium brown silty SAND/SILT. Moist. No odor.
0.2		S		7		
				8	SM	Dark brown, silty fine SAND.
0.6				9		
				10		
0.5				11	SW	Medium brown, well graded SAND. Moist.
				12		
				13		
				14		
				15		
				16		
0.2		S		17	SM	Medium gray, silty fine SAND. Wet. Permanganate staining from 17 to 17.5' bgs.
				18		
				19	SP	Dark gray, poorly graded fine to medium SAND. Wet.
0.2				20		

Notes:
FT BGS = feet below ground surface
ppm = parts per million
= NAPL Observed in Sample
--- Dashed contact line in soil description indicates a gradational or unknown contact
USCS = Unified Soil Classification System
= groundwater table at time of drilling
= Permanganate Staining Observed in Sample
S = Soil sample
W = Groundwater sample via peristaltic, symbol denotes top of screen.

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Drill Date: 10/28/2010
Weather Cond.: Cloudy, 50 degrees
Logged By: Erin Murray
Drilled By: Lynn Goble/Cascade Drilling
Drill Type: Direct Push Geoprobe
Sample Method: direct push 2"x5' core
Boring Diameter: 2"
Boring Depth (ft bgs): 50'
Groundwater ATD (ft bgs): 16'

Boring ID: GP-94

Client: Fox Avenue LLC
Project: 2010 Add'l Source Area Geoprobes
Task: Task 1
Address: 6900 Fox Avenue Seattle, WA

Coordinate System: NAD83/98
Ground Surf. Elev. & Datum: 21.00; NAVD88
Latitude/Northing: 200688.3
Longitude/Easting: 1271750.7
Boring Location: Alkaline Shed

Remarks: PID readings via screening of split core at ambient temperature.

PID (ppm)	NAPL and PERMANG. INDICAT.	SAMPLE COLLECTED	DRIVEN / RECOVERED	DEPTH FT BGS	USCS SYMBOL	SOIL DESCRIPTION AND OBSERVATIONS
				20		Pushed to 35' bgs; no samples collected.
		S		25		
0.2				35	SP	Dark gray, poorly graded fine to medium SAND. Moist
		S		37		
				40		

Notes:
FT BGS = feet below ground surface
ppm = parts per million
= NAPL Observed in Sample
--- Dashed contact line in soil description indicates a gradational or unknown contact
USCS = Unified Soil Classification System
= groundwater table at time of drilling
= Permanganate Staining Observed in Sample
S = Soil sample
W = Groundwater sample via peristaltic, symbol denotes top of screen.

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Drill Date: 10/28/2010
Weather Cond.: Cloudy, 50 degrees
Logged By: Erin Murray
Drilled By: Lynn Goble/Cascade Drilling
Drill Type: Direct Push Geoprobe
Sample Method: direct push 2"x5' core
Boring Diameter: 2"
Boring Depth (ft bgs): 50'
Groundwater ATD (ft bgs): 16'

Boring ID: GP-94

Client: Fox Avenue LLC
Project: 2010 Add'l Source Area Geoprobes
Task: Task 1
Address: 6900 Fox Avenue Seattle, WA

Coordinate System: NAD83/98
Ground Surf. Elev. & Datum: 21.00; NAVD88
Latitude/Northing: 200688.3
Longitude/Easting: 1271750.7
Boring Location: Alkaline Shed

Remarks: PID readings via screening of split core at ambient temperature.

PID (ppm)	NAPL and PERMANG. INDICAT.	SAMPLE COLLECTED	DRIVEN / RECOVERED	DEPTH FT BGS	USCS SYMBOL	SOIL DESCRIPTION AND OBSERVATIONS
0.1				40	SP	Dark gray, poorly graded medium SAND. Wet.
				41		
				42		
				43		
				44		
				45		
0.0		S		46		Same as above.
				47		
				48		
				49		
				50		

Notes:
FT BGS = feet below ground surface
ppm = parts per million
= NAPL Observed in Sample
--- Dashed contact line in soil description indicates a gradational or unknown contact
USCS = Unified Soil Classification System
= groundwater table at time of drilling
= Permanganate Staining Observed in Sample
= Soil sample
= Groundwater sample via peristaltic, symbol denotes top of screen.

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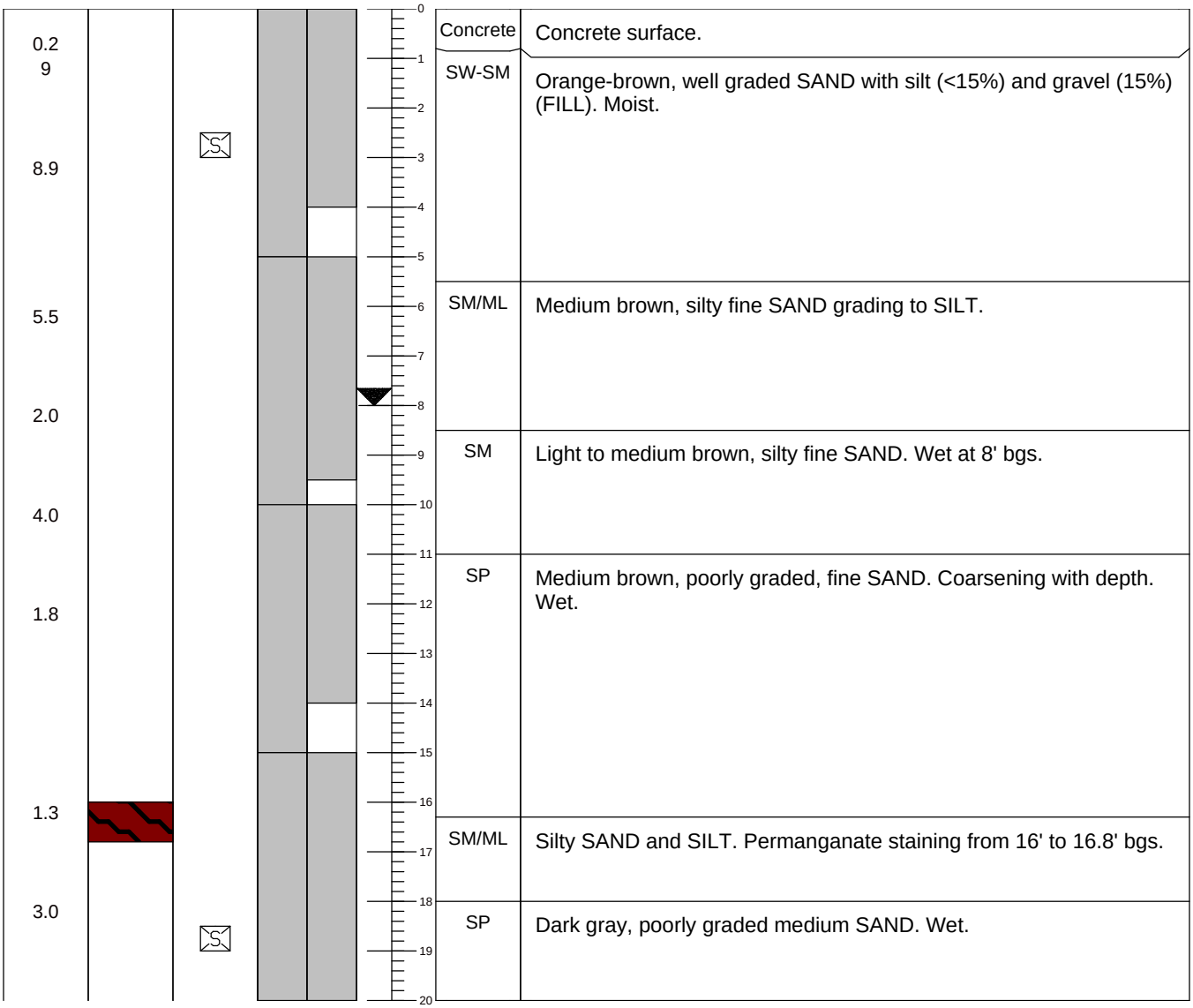
Boring ID: GP-95

Drill Date: 10/28/2010
Weather Cond.: Cloudy, 50 degrees
Logged By: Erin Murray
Drilled By: Lynn Goble/Cascade Drilling
Drill Type: Direct Push Geoprobe
Sample Method: direct push 2"x5' core
Boring Diameter: 2"
Boring Depth (ft bgs): 48.5'
Groundwater ATD (ft bgs): 8'

Client: Fox Avenue LLC
Project: 2010 Add'l Source Area Geoprobes
Task: Task 1
Address: 6900 Fox Avenue Seattle, WA

Coordinate System: NAD83/98
Ground Surf. Elev. & Datum: 21.00; NAVD88
Latitude/Northing: 200686.3
Longitude/Easting: 1271779.9
Boring Location: Alkaline Shed

Remarks: PID readings via screening of split core at ambient temperature.



Notes:
FT BGS = feet below ground surface
ppm = parts per million
= NAPL Observed in Sample
--- Dashed contact line in soil description indicates a gradational or unknown contact
USCS = Unified Soil Classification System
= groundwater table at time of drilling
= Permanganate Staining Observed in Sample
= Soil sample
= Groundwater sample via peristaltic, symbol denotes top of screen.

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Drill Date: 10/28/2010
Weather Cond.: Cloudy, 50 degrees
Logged By: Erin Murray
Drilled By: Lynn Goble/Cascade Drilling
Drill Type: Direct Push Geoprobe
Sample Method: direct push 2"x5' core
Boring Diameter: 2"
Boring Depth (ft bgs): 48.5'
Groundwater ATD (ft bgs): 8'

Boring ID: GP-95

Client: Fox Avenue LLC
Project: 2010 Add'l Source Area Geoprobes
Task: Task 1
Address: 6900 Fox Avenue Seattle, WA

Coordinate System: NAD83/98
Ground Surf. Elev. & Datum: 21.00; NAVD88
Latitude/Northing: 200686.3
Longitude/Easting: 1271779.9
Boring Location: Alkaline Shed

Remarks: PID readings via screening of split core at ambient temperature.

PID (ppm)	NAPL and PERMANG. INDICAT.	SAMPLE COLLECTED	DRIVEN / RECOVERED	DEPTH FT BGS	USCS SYMBOL	SOIL DESCRIPTION AND OBSERVATIONS
				20		Pushed to 35' bgs; no samples collected.
				21		
				22		
				23		
				24		
				25		
				26		
				27		
				28		
				29		
				30		
				31		
				32		
				33		
				34		
0.2				35	SP	Dark gray, poorly graded medium SAND. Wet. Odor at 38' bgs.
				36		
				37		
				38		
30.4		S		39		
				40		

Notes:
FT BGS = feet below ground surface
ppm = parts per million
= NAPL Observed in Sample
--- Dashed contact line in soil description indicates a gradational or unknown contact
USCS = Unified Soil Classification System
▼ = groundwater table at time of drilling
= Permanganate Staining Observed in Sample
S = Soil sample
W = Groundwater sample via peristaltic, symbol denotes top of screen.

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Drill Date: 10/28/2010
Weather Cond.: Cloudy, 50 degrees
Logged By: Erin Murray
Drilled By: Lynn Goble/Cascade Drilling
Drill Type: Direct Push Geoprobe
Sample Method: direct push 2"x5' core
Boring Diameter: 2"
Boring Depth (ft bgs): 48.5'
Groundwater ATD (ft bgs): 8'

Boring ID: GP-95

Client: Fox Avenue LLC
Project: 2010 Add'l Source Area Geoprobes
Task: Task 1
Address: 6900 Fox Avenue Seattle, WA

Coordinate System: NAD83/98
Ground Surf. Elev. & Datum: 21.00; NAVD88
Latitude/Northing: 200686.3
Longitude/Easting: 1271779.9
Boring Location: Alkaline Shed

Remarks: PID readings via screening of split core at ambient temperature.

PID (ppm)	NAPL and PERMANG. INDICAT.	SAMPLE COLLECTED	DRIVEN / RECOVERED	DEPTH FT BGS	USCS SYMBOL	SOIL DESCRIPTION AND OBSERVATIONS
25.7				40	SP	Same as above. Slight odor.
33.3		S		41		
				42		
				43		
				44		
0.1				45		Same as above. No odor. Refusal at 48.5' bgs.
				46		
				47		
		S		48		

Notes:
FT BGS = feet below ground surface
ppm = parts per million
= NAPL Observed in Sample
--- Dashed contact line in soil description indicates a gradational or unknown contact
USCS = Unified Soil Classification System
= groundwater table at time of drilling
= Permanganate Staining Observed in Sample
= Soil sample
= Groundwater sample via peristaltic, symbol denotes top of screen.

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Boring ID: GP-96

Drill Date: 10/29/2010
Weather Cond.: Cloudy, 50 degrees
Logged By: Erin Murray
Drilled By: Frank Scott/Cascade Drilling
Drill Type: Direct Push Geoprobe
Sample Method: direct push 2"x5' core
Boring Diameter: 2"
Boring Depth (ft bgs): 65'
Groundwater ATD (ft bgs): 8'

Client: Fox Avenue LLC
Project: 2010 Add'l Source Area Geoprobes
Task: Task 1
Address: 6900 Fox Avenue Seattle, WA

Coordinate System: NAD83/98
Ground Surf. Elev. & Datum: 21.00; NAVD88
Latitude/Northing: 200686.3
Longitude/Easting: 1271801.9
Boring Location: See below.

Remarks: PID readings via screening of split core at ambient temperature.
Between Alkaline Shed and Production Area

PID (ppm)	NAPL and PERMANG. INDICAT.	SAMPLE COLLECTED	DRIVEN / RECOVERED	DEPTH FT BGS	USCS SYMBOL	SOIL DESCRIPTION AND OBSERVATIONS
0.0				0	Concrete	Concrete surface.
2.9				1	SW-SM	Light medium brown, well graded SAND with silt (10%) and small angular gravel (10%).
2.9				5	SM	Brown silty fine SAND. Becoming coarse at 6' for 2" bgs. Wet at 8' bgs.
2.7				6		
0.7				8		
4.0		S		9	SP	Medium brown grading to gray, poorly graded medium and coarse SAND. Little to no silt. Wet.
4.5				10		
		S		15		
3.4				16	ML/SM	Brownish gray SILT stained with permanganate from 16.0' to 16.5' bgs. Grading to medium gray silty SAND. Wet.
1.4				19	SP	Dark gray, poorly graded medium SAND. Wet.
				20		

Notes:
FT BGS = feet below ground surface
ppm = parts per million
= NAPL Observed in Sample
--- Dashed contact line in soil description indicates a gradational or unknown contact
USCS = Unified Soil Classification System
= groundwater table at time of drilling
= Permanganate Staining Observed in Sample
S = Soil sample
W = Groundwater sample via peristaltic, symbol denotes top of screen.

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Drill Date: 10/29/2010
Weather Cond.: Cloudy, 50 degrees
Logged By: Erin Murray
Drilled By: Frank Scott/Cascade Drilling
Drill Type: Direct Push Geoprobe
Sample Method: direct push 2"x5' core
Boring Diameter: 2"
Boring Depth (ft bgs): 65'
Groundwater ATD (ft bgs): 8'

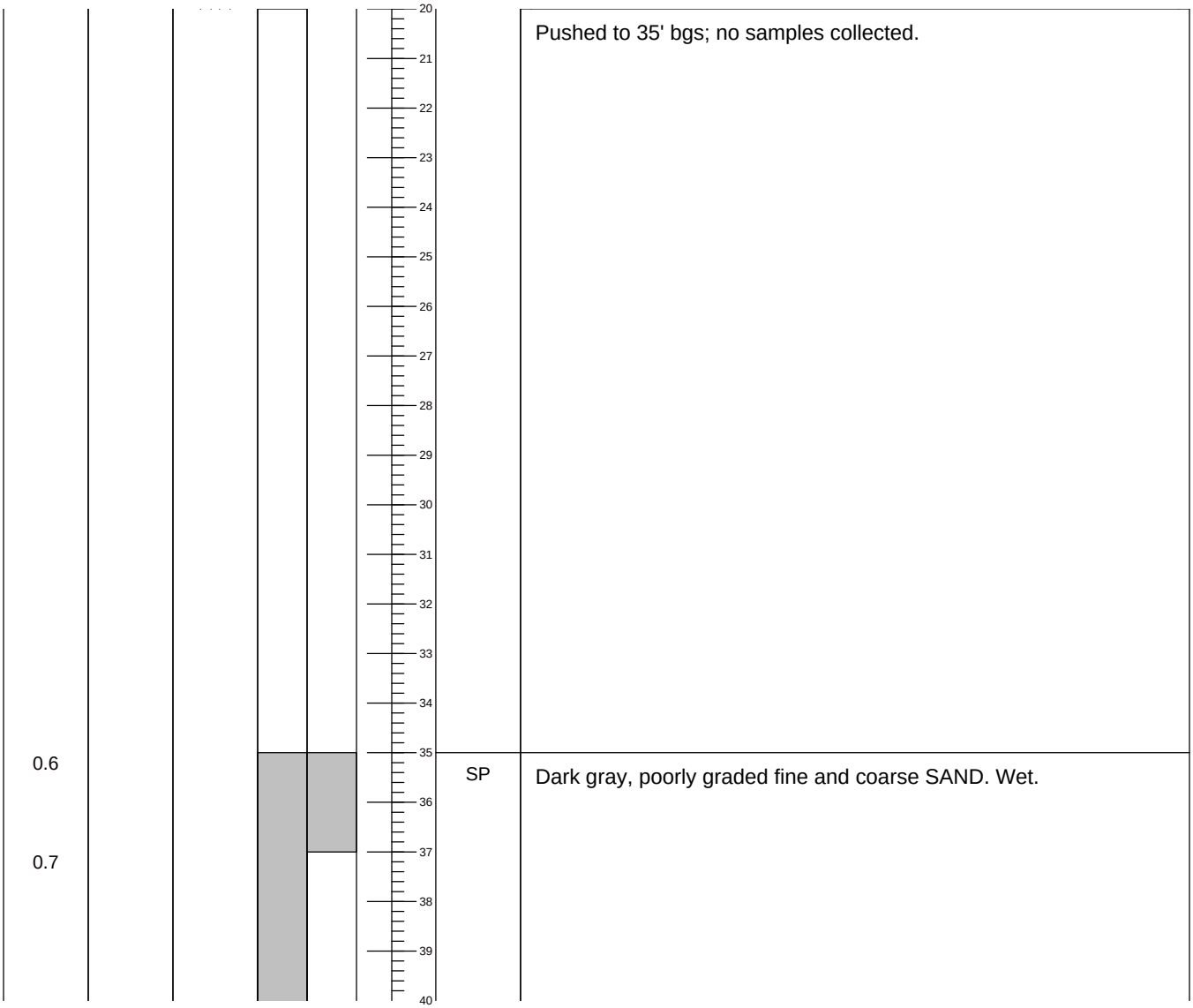
Boring ID: GP-96

Client: Fox Avenue LLC
Project: 2010 Add'l Source Area Geoprobes
Task: Task 1
Address: 6900 Fox Avenue Seattle, WA

Coordinate System: NAD83/98
Ground Surf. Elev. & Datum: 21.00; NAVD88
Latitude/Northing: 200686.3
Longitude/Easting: 1271801.9
Boring Location: See below.

Remarks: PID readings via screening of split core at ambient temperature.
Between Alkaline Shed and Production Area

PID (ppm)	NAPL and PERMANG. INDICAT.	SAMPLE COLLECTED	DRIVEN / RECOVERED	DEPTH FT BGS	USCS SYMBOL	SOIL DESCRIPTION AND OBSERVATIONS
						Pushed to 35' bgs; no samples collected.
0.6					SP	Dark gray, poorly graded fine and coarse SAND. Wet.
0.7						



Notes:
FT BGS = feet below ground surface
ppm = parts per million
= NAPL Observed in Sample
--- Dashed contact line in soil description indicates a gradational or unknown contact
USCS = Unified Soil Classification System
= groundwater table at time of drilling
= Permanganate Staining Observed in Sample
= Soil sample
= Groundwater sample via peristaltic, symbol denotes top of screen.

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Boring ID: GP-96

Drill Date: 10/29/2010
Weather Cond.: Cloudy, 50 degrees
Logged By: Erin Murray
Drilled By: Frank Scott/Cascade Drilling
Drill Type: Direct Push Geoprobe
Sample Method: direct push 2"x5' core
Boring Diameter: 2"
Boring Depth (ft bgs): 65'
Groundwater ATD (ft bgs): 8'

Client: Fox Avenue LLC
Project: 2010 Add'l Source Area Geoprobes
Task: Task 1
Address: 6900 Fox Avenue Seattle, WA

Coordinate System: NAD83/98
Ground Surf. Elev. & Datum: 21.00; NAVD88
Latitude/Northing: 200686.3
Longitude/Easting: 1271801.9
Boring Location: See below.

Remarks: PID readings via screening of split core at ambient temperature.
Between Alkaline Shed and Production Area

PID (ppm)	NAPL and PERMANG. INDICAT.	SAMPLE COLLECTED	DRIVEN / RECOVERED	DEPTH FT BGS	USCS SYMBOL	SOIL DESCRIPTION AND OBSERVATIONS
0.1		S		40–41	SP	Dark gray, poorly graded fine and medium SAND, trace silt (< 5%). Wet.
1.4				41–42		
4.8				42–43		
		S		43–44		
				44–45		
				45–46		Same as above.
				46–47		
				47–48		
1.1		S		48–49		
				49–50		
				50–51		Same as above.
0.0				51–52		
				52–53		
				53–54		
				54–55		
0.1				55–56		Same as above. 1' silt lense at 56' bgs. Strong solvent odor from 58' to 60' bgs.
3.6				56–57		
9.5		S		57–58		
				58–59		
62.5				59–60		
170.2		S				

Notes:
FT BGS = feet below ground surface
ppm = parts per million
= NAPL Observed in Sample
--- Dashed contact line in soil description indicates a gradational or unknown contact
USCS = Unified Soil Classification System
= groundwater table at time of drilling
= Permanganate Staining Observed in Sample
= Soil sample
= Groundwater sample via peristaltic, symbol denotes top of screen.

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Drill Date: 10/29/2010
Weather Cond.: Cloudy, 50 degrees
Logged By: Erin Murray
Drilled By: Frank Scott/Cascade Drilling
Drill Type: Direct Push Geoprobe
Sample Method: direct push 2"x5' core
Boring Diameter: 2"
Boring Depth (ft bgs): 65'
Groundwater ATD (ft bgs): 8'

Boring ID: GP-96

Client: Fox Avenue LLC
Project: 2010 Add'l Source Area Geoprobes
Task: Task 1
Address: 6900 Fox Avenue Seattle, WA

Coordinate System: NAD83/98
Ground Surf. Elev. & Datum: 21.00; NAVD88
Latitude/Northing: 200686.3
Longitude/Easting: 1271801.9
Boring Location: See below.

Remarks: PID readings via screening of split core at ambient temperature.
Between Alkaline Shed and Production Area

PID (ppm)	NAPL and PERMANG. INDICAT.	SAMPLE COLLECTED	DRIVEN / RECOVERED	DEPTH FT BGS	USCS SYMBOL	SOIL DESCRIPTION AND OBSERVATIONS
124 208 124		S		60 61 62 63 64 65	SP/SM	Dark gray, poorly graded fine SAND grading to silty fine SAND. Wet. Strong solvent odor.

Notes:
FT BGS = feet below ground surface
ppm = parts per million
= NAPL Observed in Sample
--- Dashed contact line in soil description indicates a gradational or unknown contact
USCS = Unified Soil Classification System
= groundwater table at time of drilling
= Permanganate Staining Observed in Sample
= Soil sample
= Groundwater sample via peristaltic, symbol denotes top of screen.

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Monitoring Well ID: R1-IW08

Drill Date: Oct. 28, 2010
Logged By: J. LaManna
Drilled By: E.Floyd/Cascade Drilling
Drill Type: see Remarks
Sample Method: 2"x4' macrocore
Boring Diameter: 10-inch
Boring Depth (ft bgs): 16 feet
Groundwater ATD (ft bgs): ~11 feet bgs

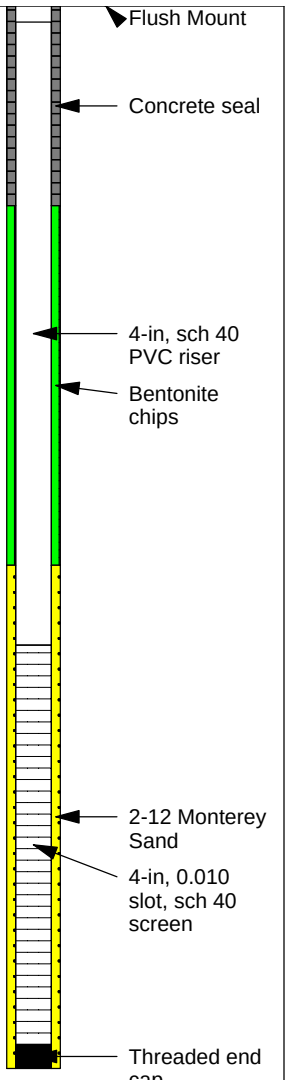
Ground Surf Elev. & Datum:
Coordinate System:
Latitude/Northing: NA
Longitude/Easting: NA
Casing Elevation:

Client: Fox Ave LLC
Project: Fox Avenue Site
Site Location: 6900 Fox Ave S
Seattle, WA

Remarks: Soil samples collected with direct-push macrocore.
Well constructed with CME25, 6-in ID hollow stem auger.

PID Reading /Sample ID	DRIVE / RECOVERY	SAMPLE ID	DEPTH FT BGS	USCS SYMBOL	SOIL DESCRIPTION AND OBSERVATIONS: (color, texture, moisture, MAJOR CONSTITUENT, odor, staining, sheen, debris, etc.)
			0	Asphalt	Asphalt
0.3			1	SW-SM	Dark grayish brown; well graded, SAND with Silt (10%) and Gravel (30-40%), trace wood fragments; moist. (FILL)
0.9					
0.9			2	ML+SM	Dark brown, with pale brown mottles near bottom of interval; interbedded silty fine SAND and sandy SILT. Moist. No odor. (ALLUVIUM)
0.9					
0.9			3		
0.9					
			4		
2.7					
4.9		R1-IW8-5.0	5		
0.9		R1-IW8-5.0 dup		SP+SM	Pale brown grading down to dark grayish brown; poorly graded, fine SAND, silt <5%, no gravel, one 2-in bed of silty SAND. Moist. No odor. (ALLUVIUM)
0.9			6		
1.5					
			7		
				SP	Dark gray with reddish gray mottles (oxidation); poorly graded, fine and medium SAND, silt <5%, no gravel. Moist to wet. No odor. (ALLUVIUM)
			8		
0.3					
0.3			9		
4.0					
0.3			10		
0.3					
			11		
			12		
1.5		R1-IW8-12.5			
0.9			13		
0.3				ML	Gray; interbedded SILT and sandy SILT, trace clay; low plasticity; soft. Wet. No odor. (ALLUVIUM)
0.3			14		
0.3				SP	Dark gray; poorly graded, fine and medium SAND, 5% silt, no gravel. Wet. No odor. (ALLUVIUM)
			15		
			16		

MONITORING WELL DETAIL



Notes:
FT BGS = feet below ground surface
ppm = parts per million
USCS = Unified Soil Classification System
▼ = denotes groundwater table

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Monitoring Well ID: R1-IW09

Drill Date: Oct. 28, 2010
Logged By: J. LaManna
Drilled By: E.Floyd/Cascade Drilling
Drill Type: see Remarks
Sample Method: 2"x4' macrocore
Boring Diameter: 10-inch
Boring Depth (ft bgs): 16 feet
Groundwater ATD (ft bgs): ~11 feet bgs

Ground Surf Elev. & Datum:
Coordinate System:
Latitude/Northing: NA
Longitude/Easting: NA
Casing Elevation:

Client: Fox Ave LLC
Project: Fox Avenue Site
Site Location: 6900 Fox Ave S
Seattle, WA

Remarks: Soil samples collected with direct-push macrocore.
Well constructed with CME25, 6-in ID hollow stem auger.

PID Reading /Sample ID	DRIVE / RECOVERY	SAMPLE ID	DEPTH FT BGS	USCS SYMBOL	SOIL DESCRIPTION AND OBSERVATIONS: (color, texture, moisture, MAJOR CONSTITUENT, odor, staining, sheen, debris, etc.)	MONITORING WELL DETAIL
0.3	R1-IW9-1.5		0	SW	Dark brownish gray; well graded SAND with Gravel (30-45%), silt 5%; moist. No odor. (FILL)	Flush Mount
3.4			1			Concrete seal
13.3				ML	Brown grading down to pale brown; clayey SILT grading down to SILT (plastic grading down to non-plastic), fine sand in lower interval. Moist. No odor. (ALLUVIUM)	
2.7			2			
0.9						
2.1			3			
2.1						
			4	ML+SM	Laminated sandy SILT and silty fine SAND. Moist to possibly wet at bottom of interval. (ALLUVIUM)	4-in, sch 40 PVC riser
0.9	R1-IW9-5.0			SP	Dark gray with local reddish gray mottles (oxidation); poorly graded, fine and medium SAND, silt <5%, no gravel. Moist to wet. No odor. (ALLUVIUM)	Bentonite chips
3.4			5			
0.9						
0.3			6			
0.9						
			7			
11.4			8			
0.9						
0.9			9			
0.9						
0.9			10			2-12 Monterey Sand
0.9						4-in, 0.010 slot, sch 40 screen
			11			
			12			
0.9						
0.9			13	ML	Gray with reddish brown oxidation at top contact; SILT with Sand (10-20%, fine), no GRAVEL. Soft. Wet. No odor. (ALLUVIUM)	
0.9	R1-IW9-13.5					
0.9			14	SP	Dark gray; poorly graded, fine and medium SAND, 5% silt, no gravel. Wet. No odor. (ALLUVIUM)	
0.9			15			Threaded end cap
			16			

Notes:
FT BGS = feet below ground surface
ppm = parts per million
USCS = Unified Soil Classification System
▼ = denotes groundwater table

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Monitoring Well ID: R1-IW10

Drill Date: Oct. 28, 2010
Logged By: J. LaManna
Drilled By: E.Floyd/Cascade Drilling
Drill Type: see Remarks
Sample Method: 2"x4' macrocore
Boring Diameter: 10-inch
Boring Depth (ft bgs): 16 feet
Groundwater ATD (ft bgs): ~11 feet bgs

Ground Surf Elev. & Datum:
Coordinate System:
Latitude/Northing: NA
Longitude/Easting: NA
Casing Elevation:

Client: Fox Ave LLC
Project: Fox Avenue Site
Site Location: 6900 Fox Ave S
Seattle, WA

Remarks: Soil samples collected with direct-push macrocore.
Well constructed with CME25, 6-in ID hollow stem auger.

PID Reading /Sample ID	DRIVE / RECOVERY	SAMPLE ID	DEPTH FT BGS	USCS SYMBOL	SOIL DESCRIPTION AND OBSERVATIONS: (color, texture, moisture, MAJOR CONSTITUENT, odor, staining, sheen, debris, etc.)	MONITORING WELL DETAIL
0.3			0	Asphalt	Asphalt	Flush Mount
0.3			1	SP-SM	Brown; poorly graded, fine SAND with Silt (5-10%) and Gravel (15-30%), gravel is subround. Moist. No odor. (FILL)	Concrete seal
0.3			2	SM	Brown to dark brown; interbedded silty fine SAND and sandy SILT. Moist. (MAY BE FILL)	
0.3			3			
0.3			4	SM	Light brownish gray; poorly graded, silty fine SAND, 15-30% silt, no gravel. Moist. No odor. (ALLUVIUM)	4-in, sch 40 PVC riser
0.3		R1-IW10-4.0				
3.5			5			Bentonite chips
0.9						
0.3			6	SP	Dark gray with reddish gray mottles (oxidation) at 6 to 7-ft; poorly graded, fine and medium SAND, <5% silt, no gravel. Moist to wet. No odor. (ALLUVIUM)	
0.3						
0.3			7			
0.3						
0.3			8			
0.3						
0.3			9			
0.9						
0.9			10			2-12 Monterey Sand
		R1-IW10-10.5				4-in, 0.010 slot, sch 40 screen
			11			
0.9			12			
0.9						
0.3			13	ML	Gray; interbedded sandy SILT (25-30% fine sand) and SILT. Soft. Wet. (ALLUVIUM)	
0.9				SP	Dark gray; poorly graded, fine and medium SAND, 5% silt, no gravel. Wet. No odor. (ALLUVIUM)	
0.9			14	ML+SM+SP	Gray, interbedded SILT, sandy SILT, and SAND. Wet. No odor. (ALLUVIUM)	Threaded end cap
				SP	Dark gray; poorly graded, fine and medium SAND, 5% silt, no gravel. Wet. No odor. (ALLUVIUM)	
			15			
			16			

Notes:
FT BGS = feet below ground surface
ppm = parts per million
USCS = Unified Soil Classification System
▼ = denotes groundwater table

Fox Avenue Site
Seattle, Washington

Remedial Investigation/ Feasibility Study

Appendix D
Additional Data Gaps Investigation Data Report

Attachment D.2
Laboratory Analytical Data

FINAL

2930 Westlake Ave N Suite 100
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Floyd | Snider
Attn: Tom Colligan
601 Union St. Ste. 600
Seattle, WA 98101

RE: Fox Ave.
Fremont Project No: CHM101021-14
Floyd | Snider Project No: Fox Ave RA Task 1

November 2nd, 2010

Tom:

Enclosed are the analytical results for the ***Fox Ave.*** water samples delivered to Fremont Analytical on October 21st, 2010.

Sample Receipt:
The samples were received in good condition - in the proper containers, properly sealed, labeled and within holding time. The samples were contained in 82 -40mL VOAs preserved with HC and 17 – 1L glass Ambers preserved with HCl. The samples were received in coolers with wet ice, with cooler temperatures of 7.9°C & 4.2°C respectively, which is within the laboratory recommended cooler temperature range (<4°C - 10°C). The samples were stored in a refrigeration unit at the USEPA-recommended temperature of 4°C ± 2°C.

Sample Analysis:
Examination of these samples was conducted for the presence of the following:

- ***Volatile Organic Compounds by EPA Method 8260***
- ***Gasoline and Gasoline Range Organics by NWTPH-Gx***
- ***Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.***

These applications were performed under Washington State Department of Ecology accreditation parameters. All appropriate Quality Assurance / Quality Control method parameters have been applied.

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Laboratory Notations:

- **SW8260:** The *Dibromofluoromethane* surrogate recovery for sample *B-10A-11.5* was outside of the laboratory recommended control limits (64%, range = 65%-135%). The *Dibromofluoromethane* surrogate recovery was within range for all other field and laboratory samples.
- **NWTPH-Dx:** Analyst noted high levels of non-petroleum hydrocarbons. Interference prevents surrogate recoveries in samples *B-59C-27* and *B-59-27.5*

Please contact the laboratory if you should have any questions about the results,

Thank you for using Fremont Analytical!

Sincerely,

Michael Dee
Sr. Chemist / Principal
mikedee@fremontanalytical.com

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Analysis of Volatile Organic Compounds by EPA Method 8260

Project: Fox Ave.
Client: Floyd | Snider
Client Project #: Fox Ave RA Task 1
Lab Project #: CHM101021-14

EPA 8260B (µg/L)	MRL	Method Blank	LCS	MW-10-24	P2M-2L-35	P2M-2L-35 Duplicate	RPD %	B-39-11
Date Analyzed		10/26/10	10/26/10	10/27/10	10/27/10	10/27/10		10/27/10
Matrix				Water	Water	Water		Water
Dichlorodifluoromethane	1.0	nd		nd	nd	nd		nd
Chloromethane	1.0	nd		nd	nd	nd		nd
Vinyl chloride *	0.2	nd		**1700**	**790**	**970**	20%	**71**
Chloroethane	1.0	nd		nd	**3.3**	**4.1**	21%	nd
Trichlorofluoromethane	1.0	nd		nd	nd	nd		**0.71 *J***
1,1-Dichloroethene	1.0	nd	119%	**4.9**	**7.9**	**9.1**	15%	**3.7**
Methylene chloride	1.0	nd		nd	nd	nd		nd
trans-1,2-Dichloroethene	1.0	nd		**78**	**34**	**36**	7%	**22**
1,1-Dichloroethane	1.0	nd		**18**	**16**	**18**	11%	**8.1**
2,2-Dichloropropane	2.0	nd		nd	nd	nd		nd
cis-1,2-Dichloroethene	1.0	nd		**1800**	**1300**	**1600**	19%	**870**
Chloroform	1.0	nd		nd	nd	nd		**1.8**
1,1-Dichloropropene	1.0	nd		nd	nd	nd		nd
Carbon tetrachloride	1.0	nd		nd	nd	nd		nd
1,1,1-Trichloroethane (TCA)	1.0	nd		nd	nd	nd		**150**
Benzene	1.0	nd	132%	**4.8**	**5.0**	**4.6**	9%	**12**
1,2-Dichloroethane (EDC)	1.0	nd		nd	nd	nd		**1.2**
Trichloroethene (TCE)	1.0	nd	133%	nd	**140**	**130**	17%	**920**
1,2-Dichloropropane	1.0	nd		nd	nd	nd		**1.3**
Bromodichloromethane	1.0	nd		nd	nd	nd		nd
cis-1,3-Dichloropropene	1.0	nd		nd	nd	nd		nd
Toluene	1.0	nd	113%	**170**	**0.49 *J***	**0.54 *J***	10%	**1.1**
Trans-1,3-Dichloropropene	1.0	nd		nd	nd	nd		nd
1,1,2-Trichloroethane	1.0	nd		nd	nd	nd		nd
Tetrachloroethene (PCE)	1.0	nd		nd	**1.0**	**1.1**	5%	**2300**

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"MS" Indicates Matrix Spike
"MSD" Indicates Matrix Spike Duplicate
"RPD" Indicates Relative Percent Difference

Acceptable RPD is determined to be less than 30%
Acceptable Recovery Limits:
Surrogate = 65% to 135%
LCS, LCSD, MS, MSD = 65% to 135%
Surrogates and Spike Concentration = 10 µg/L

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EPA 8260B (µg/L)	MRL	Method Blank	LCS	MW-10-24	P2M-2L-35	Duplicate P2M-2L-35	RPD %	B-39-11
Date Analyzed		10/26/10	10/26/10	10/27/10	10/27/10	10/27/10		10/27/10
Matrix				Water	Water	Water		Water
Dichlorodifluoromethane	1.0	nd		nd	nd	nd		nd
Chloromethane	1.0	nd		nd	nd	nd		nd
1,3-Dichloropropane	1.0	nd		nd	nd	nd		nd
Dibromochloromethane	1.0	nd		nd	nd	nd		nd
Chlorobenzene	1.0	nd	100%	nd	nd	nd		**3.2**
1,1,1,2-Tetrachloroethane	1.0	nd		nd	nd	nd		nd
Ethylbenzene	1.0	nd		**120**	nd	nd		nd
Total Xylenes	1.0	nd		**71**	**1.2**	**1.2**	3%	**31**
1,2,3-Trichloropropane	1.0	nd		nd	nd	nd		nd
1,1,2,2-Tetrachloroethane	1.0	nd		nd	nd	nd		nd
2-Chlorotoluene	1.0	nd		nd	nd	nd		nd
4-Chlorotoluene	1.0	nd		nd	nd	nd		nd
1,3-Dichlorobenzene	1.0	nd		**1.3**	nd	nd		**14**
1,4-Dichlorobenzene	1.0	nd		**6.4**	nd	nd		**58**
1,2-Dichlorobenzene	1.0	nd		**22**	**2.9**	**3.2**		**150**
1,2-Dibromo-3-Chloropropane	1.0	nd		nd	nd	nd		nd
1,2,4-Trichlorobenzene	2.0	nd		nd	nd	nd		nd
Hexachloro-1,3-butadiene	4.0	nd		nd	nd	nd		nd
1,2,3-Trichlorobenzene	4.0	nd		nd	nd	nd		nd
Surrogate Recovery								
Dibromofluoromethane		86%	87%	77%	79%	90%		85%
Toluene-d8		99%	111%	84%	82%	101%		81%
1-Bromo-4-fluorobenzene		100%	100%	100%	100%	102%		97%

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Analysis of Volatile Organic Compounds by EPA Method 8260

Project: Fox Ave.
Client: Floyd | Snider
Client Project #: Fox Ave RA Task
Lab Project #: CHM101021-14

EPA 8260B (µg/L)	MRL	B-52-10.5	B-11-12	MW-13-67.5	B-10A-11.5	B-59C-27	B-59-27.5
Date Analyzed		10/27/10	10/27/10	10/27/10	10/27/10	10/27/10	10/27/10
Matrix		Water	Water	Water	Water	Water	Water
Dichlorodifluoromethane	1.0	nd	nd	nd	nd	nd	nd
Chloromethane	1.0	nd	nd	nd	nd	nd	nd
Vinyl chloride *	0.2	**1800**	**5.2**	**260**	**1400**	**7.9**	**8.7**
Chloroethane	1.0	nd	nd	nd	nd	**0.89 *J***	**0.99 *J***
Trichlorofluoromethane	1.0	nd	nd	nd	nd	nd	nd
1,1-Dichloroethene	1.0	**16**	**1.8**	**11**	**17**	**0.76 *J***	**0.90 *J***
Methylene chloride	1.0	nd	nd	nd	nd	nd	nd
trans-1,2-Dichloroethene	1.0	**160**	**38**	**120**	**140**	**0.55 *J***	nd
1,1-Dichloroethane	1.0	**93**	**1.5**	**47**	**3.9**	nd	nd
2,2-Dichloropropane	2.0	nd	nd	nd	nd	nd	nd
cis-1,2-Dichloroethene	1.0	**3700**	**1700**	**3800**	**3800**	**27**	**16**
Chloroform	1.0	nd	**1.0**	nd	nd	nd	nd
1,1-Dichloropropene	1.0	nd	nd	nd	nd	nd	nd
Carbon tetrachloride	1.0	nd	nd	nd	nd	nd	nd
1,1,1-Trichloroethane (TCA)	1.0	nd	**12**	**83**	nd	nd	nd
Benzene	1.0	**7.9**	**0.88 *J***	**60**	**11**	**1.0**	**1.3**
1,2-Dichloroethane (EDC)	1.0	nd	**0.80 *J***	nd	**9.0**	**2.8**	**3.3**
Trichloroethene (TCE)	1.0	**1.8**	**640**	**48**	**16**	**0.60 *J***	**0.54 *J***
1,2-Dichloropropane	1.0	nd	nd	nd	**13**	**3.3**	**2.9**
Bromodichloromethane	1.0	nd	nd	nd	nd	nd	nd
cis-1,3-Dichloropropene	1.0	nd	nd	nd	nd	nd	nd
Toluene	1.0	**17**	nd	**830**	**52**	nd	nd
Trans-1,3-Dichloropropene	1.0	nd	nd	nd	nd	nd	nd
1,1,2-Trichloroethane	1.0	nd	nd	nd	nd	nd	nd
Tetrachloroethene (PCE)	1.0	**15**	**1100**	**27**	**1.9**	**1.1**	**1.2**

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EPA 8260B (µg/L)	MRL	B-52-10.5	B-11-12	MW-13-67.5	B-10A-11.5	B-59C-27	B-59-27.5
Date Analyzed		10/27/10	10/27/10	10/27/10	10/27/10	10/27/10	10/27/10
Matrix		Water	Water	Water	Water	Water	Water
Dichlorodifluoromethane	1.0	nd	nd	nd	nd	nd	nd
Chloromethane	1.0	nd	nd	nd	nd	nd	nd
1,3-Dichloropropane	1.0	nd	nd	nd	nd	nd	nd
Dibromochloromethane	1.0	nd	nd	nd	nd	nd	nd
Chlorobenzene	1.0	nd	nd	nd	nd	nd	nd
1,1,1,2-Tetrachloroethane	1.0	nd	nd	nd	nd	nd	nd
Ethylbenzene	1.0	**1.2**	nd	**76**	**280**	nd	nd
Total Xylenes	1.0	**6.7**	nd	**110**	**450**	nd	nd
1,2,3-Trichloropropane	1.0	nd	nd	nd	nd	nd	nd
1,1,2,2-Tetrachloroethane	1.0	nd	nd	nd	nd	nd	nd
2-Chlorotoluene	1.0	nd	nd	**3.1**	nd	nd	nd
4-Chlorotoluene	1.0	nd	nd	**1.1**	nd	nd	nd
1,3-Dichlorobenzene	1.0	nd	nd	nd	nd	nd	nd
1,4-Dichlorobenzene	1.0	nd	nd	**1.6**	nd	nd	nd
1,2-Dichlorobenzene	1.0	**2.6**	nd	**8.7**	nd	nd	nd
1,2-Dibromo-3-Chloropropane	1.0	nd	nd	nd	nd	nd	nd
1,2,4-Trichlorobenzene	2.0	nd	nd	nd	nd	nd	nd
Hexachloro-1,3-butadiene	4.0	nd	nd	nd	nd	nd	nd
1,2,3-Trichlorobenzene	4.0	nd	nd	nd	nd	nd	nd
Surrogate Recovery							
Dibromofluoromethane		66%	73%	85%	64%	103%	129%
Toluene-d8		102%	82%	102%	105%	90%	99%
1-Bromo-4-fluorobenzene		109%	99%	103%	105%	101%	101%

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Surrogates and Spike Concentration = 10 µg/L

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Analysis of Volatile Organic Compounds by EPA Method 8260

Project: Fox Ave.
Client: Floyd | Snider
Client Project #: Fox Ave RA Task
Lab Project #: CHM101021-14

EPA 8260B (µg/L)	MRL	B-58-10.5	MW-14-57.5	B-60-11	B-61-41.5	B-63-40.5	B-62-10.5
Date Analyzed		10/27/10	10/27/10	10/27/10	10/27/10	10/27/10	10/27/10
Matrix		Water	Water	Water	Water	Water	Water
Dichlorodifluoromethane	1.0	nd	nd	nd	nd	nd	nd
Chloromethane	1.0	nd	nd	nd	nd	nd	nd
Vinyl chloride *	0.2	**12**	**690**	**38**	**710**	**66**	**1400**
Chloroethane	1.0	**1.4**	nd	**18**	**3.6**	nd	**8.3**
Trichlorofluoromethane	1.0	nd	nd	nd	nd	nd	nd
1,1-Dichloroethene	1.0	**3.0**	**2.0**	**4.0**	**1.0**	nd	**6.7**
Methylene chloride	1.0	nd	nd	nd	nd	nd	nd
trans-1,2-Dichloroethene	1.0	**2.5**	**9.1**	**4.1**	**5.4**	nd	**16**
1,1-Dichloroethane	1.0	nd	nd	**0.61 *J***	**4.6**	**1.4**	**16**
2,2-Dichloropropane	2.0	nd	nd	nd	nd	nd	nd
cis-1,2-Dichloroethene	1.0	**240**	**1100**	**370**	**350**	**260**	**820**
Chloroform	1.0	**1.0**	nd	**16**	nd	nd	**0.66 *J***
1,1-Dichloropropene	1.0	nd	nd	nd	**0.54 *J***	nd	nd
Carbon tetrachloride	1.0	nd	nd	nd	nd	nd	nd
1,1,1-Trichloroethane (TCA)	1.0	nd	nd	nd	nd	nd	**34**
Benzene	1.0	nd	nd	nd	**4.5**	nd	**3.8**
1,2-Dichloroethane (EDC)	1.0	nd	nd	nd	nd	nd	nd
Trichloroethene (TCE)	1.0	**150**	nd	**130**	nd	nd	**330**
1,2-Dichloropropane	1.0	nd	nd	nd	nd	nd	nd
Bromodichloromethane	1.0	nd	nd	nd	nd	nd	nd
cis-1,3-Dichloropropene	1.0	nd	nd	nd	nd	nd	nd
Toluene	1.0	nd	**1.1**	nd	**0.78 *J***	nd	nd
Trans-1,3-Dichloropropene	1.0	nd	nd	nd	nd	nd	nd
1,1,2-Trichloroethane	1.0	nd	nd	nd	nd	nd	nd
Tetrachloroethene (PCE)	1.0	**430**	**0.94 *J***	**420**	**0.82 *J***	nd	**660**

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EPA 8260B (µg/L)	MRL	B-58-10.5	MW-14-57.5	B-60-11	B-61-41.5	B-63-40.5	B-62-10.5
Date Analyzed		10/27/10	10/27/10	10/27/10	10/27/10	10/27/10	10/27/10
Matrix		Water	Water	Water	Water	Water	Water
Dichlorodifluoromethane	1.0	nd	nd	nd	nd	nd	nd
Chloromethane	1.0	nd	nd	nd	nd	nd	nd
1,3-Dichloropropane	1.0	nd	nd	nd	nd	nd	nd
Dibromochloromethane	1.0	nd	nd	nd	nd	nd	nd
Chlorobenzene	1.0	nd	**8.5**	nd	**2.2**	nd	nd
1,1,1,2-Tetrachloroethane	1.0	nd	nd	nd	nd	nd	nd
Ethylbenzene	1.0	nd	**36**	nd	nd	nd	nd
Total Xylenes	1.0	nd	**4.8**	nd	**1.6**	nd	**12**
1,2,3-Trichloropropane	1.0	nd	nd	nd	nd	nd	nd
1,1,2,2-Tetrachloroethane	1.0	nd	nd	nd	nd	nd	nd
2-Chlorotoluene	1.0	nd	nd	nd	nd	nd	nd
4-Chlorotoluene	1.0	nd	nd	nd	nd	nd	nd
1,3-Dichlorobenzene	1.0	nd	nd	nd	nd	nd	nd
1,4-Dichlorobenzene	1.0	nd	**2.9**	nd	nd	nd	nd
1,2-Dichlorobenzene	1.0	**0.55 *J***	**1.4**	nd	**1.2**	nd	**0.98 *J***
1,2-Dibromo-3-Chloropropane	1.0	nd	nd	nd	nd	nd	nd
1,2,4-Trichlorobenzene	2.0	nd	nd	nd	nd	nd	nd
Hexachloro-1,3-butadiene	4.0	nd	nd	nd	nd	nd	nd
1,2,3-Trichlorobenzene	4.0	nd	nd	nd	nd	nd	nd
Surrogate Recovery							
Dibromofluoromethane		92%	81%	86%	91%	66%	82%
Toluene-d8		81%	83%	80%	82%	80%	101%
1-Bromo-4-fluorobenzene		103%	104%	101%	104%	94%	89%

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F: 206.352.7178
email: info@fremontanalytical.com

Analysis of Volatile Organic Compounds by EPA Method 8260

Project: Fox Ave.
Client: Floyd | Snider
Client Project #: Fox Ave RA Task
Lab Project #: CHM101021-14

EPA 8260B (µg/L)	MRL	B-18-11	MS B-63-40.5
Date Analyzed		10/27/10	1/0/00
Matrix		Water	Water
Dichlorodifluoromethane	1.0	nd	
Chloromethane	1.0	nd	
Vinyl chloride *	0.2	**96**	
Chloroethane	1.0	nd	
Trichlorofluoromethane	1.0	nd	
1,1-Dichloroethene	1.0	**0.93 *J***	128%
Methylene chloride	1.0	nd	
trans-1,2-Dichloroethene	1.0	**2.4**	
1,1-Dichloroethane	1.0	nd	
2,2-Dichloropropane	2.0	nd	
cis-1,2-Dichloroethene	1.0	**320**	
Chloroform	1.0	nd	
1,1-Dichloropropene	1.0	nd	
Carbon tetrachloride	1.0	nd	
1,1,1-Trichloroethane (TCA)	1.0	nd	
Benzene	1.0	nd	103%
1,2-Dichloroethane (EDC)	1.0	nd	
Trichloroethene (TCE)	1.0	nd	74%
1,2-Dichloropropane	1.0	nd	
Bromodichloromethane	1.0	nd	
cis-1,3-Dichloropropene	1.0	nd	
Toluene	1.0	nd	131%
Trans-1,3-Dichloropropene	1.0	nd	
1,1,2-Trichloroethane	1.0	nd	
Tetrachloroethene (PCE)	1.0	**1.0**	

"nd" Indicates not detected at listed reporting limits
"int" Indicates that interference prevents determinatio
* Instrument Detection Limit
"J" Indicates estimated value
"MRL" Indicates Method Reporting Limit
"LCS" Indicates Laboratory Control Sample
"MS" Indicates Matrix Spike
"MSD" Indicates Matrix Spike Duplicate
"RPD" Indicates Relative Percent Difference

Acceptable RPD is determined to be less than 30%
Acceptable Recovery Limits:
Surrogate = 65% to 135%
LCS, LCSD, MS, MSD = 65% to 135%
Surrogates and Spike Concentration = 10 µg/L

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Analysis of Volatile Organic Compounds by EPA Method 8260

Project: Fox Ave.
Client: Floyd | Snider
Client Project #: Fox Ave RA Task
Lab Project #: CHM101021-14

EPA 8260B (µg/L)	MRL	B-18-11	MS B-63-40.5
Date Analyzed		10/27/10	1/0/00
Matrix		Water	Water
Dichlorodifluoromethane	1.0	nd	
Chloromethane	1.0	nd	
1,3-Dichloropropane	1.0	nd	
Dibromochloromethane	1.0	nd	
Chlorobenzene	1.0	nd	119%
1,1,1,2-Tetrachloroethane	1.0	nd	
Ethylbenzene	1.0	nd	
Total Xylenes	1.0	nd	
1,2,3-Trichloropropane	1.0	nd	
1,1,2,2-Tetrachloroethane	1.0	nd	
2-Chlorotoluene	1.0	nd	
4-Chlorotoluene	1.0	nd	
1,3-Dichlorobenzene	1.0	nd	
1,4-Dichlorobenzene	1.0	nd	
1,2-Dichlorobenzene	1.0	nd	
1,2-Dibromo-3-Chloropropane	1.0	nd	
1,2,4-Trichlorobenzene	2.0	nd	
Hexachloro-1,3-butadiene	4.0	nd	
1,2,3-Trichlorobenzene	4.0	nd	

Surrogate Recovery		
Dibromofluoromethane	114%	74%
Toluene-d8	97%	107%
1-Bromo-4-fluorobenzene	102%	102%

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* Instrument Detection Limit
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"LCS" Indicates Laboratory Control Sample
"MS" Indicates Matrix Spike
"MSD" Indicates Matrix Spike Duplicate
"RPD" Indicates Relative Percent Difference

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Surrogate = 65% to 135%
LCS, LCSD, MS, MSD = 65% to 135%
Surrogates and Spike Concentration = 10 µg/L

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Analysis of Gasoline by NWTPH-Gx

Project: Fox Ave.
Client: Floyd | Snider
Client Project #: Fox Ave RA Task 1
Lab Project #: CHM101021-14

8021B+NWTPH-Gx (ug/L)	MRL	Method Blank	LCS	MW-10-24	P2M-2L-35	B-39-11	B-52-10.5
Date Analyzed		10/25/10	10/25/10	10/25/10	10/25/10	10/25/10	10/25/10
Matrix				Water	Water	Water	Water
NWTPH-Gx (ug/L)							
Gasoline	50	nd	106%	nd	nd	nd	nd
Gasoline Range Hydrocarbons (GRO)	50	nd		nd	nd	nd	nd
Mineral Spirits / Stoddard	50	nd		**1800**	**500**	**1400**	**680**
Surrogate Recovery							
(Surr 1) 1-Chloro-3-fluorobenzene		88%	C	94%	96%	C	C
(Surr 2) 4-Bromochlorobenzene		82%	131%	68%	106%	C	87%

"nd" Indicates not detected at listed reporting limits
"C" Indicates coelution prevents determination
"J" Indicates estimated value
"MRL" Indicates Method Reporting Limits
"LCS" Indicates Laboratory Control Sample
"RPD" Indicates Relative Percent Difference
" * " Indicates presence of petroleum distilate

Acceptable RPD % is determined to be less than 30%
Acceptable Recovery Limits:
Surrogate = 65% to 135%
LCS = 65% to 135%
Surrogate Concentration = 5.0 µg/L
Gx Spike Concentration = 100 µg/L
GRO = C6-C12

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Analysis of Gasoline by NWTPH-Gx

Project: Fox Ave.
Client: Floyd | Snider
Client Project #: Fox Ave RA Task 1
Lab Project #: CHM101021-14

8021B+NWTPH-Gx (ug/L)	MRL	B-11-12	MW-13-67.5	B-10A-11.5	B-59C-27
Date Analyzed		10/25/10	10/25/10	10/25/10	10/25/10
Matrix		Water	Water	Water	Water
NWTPH-Gx (ug/L)					
Gasoline	50	nd	nd	nd	nd
Gasoline Range Hydrocarbons (GRO)[1]	50	nd	nd	nd	nd
Mineral Spirits / Stoddard	50	nd	**1700**	**4600**	nd
Surrogate Recovery					
(Surr 1) 1-Chloro-3-fluorobenzene		C	100%	122%	90%
(Surr 2) 4-Bromochlorobenzene		98%	106%	C	91%

"nd" Indicates not detected at listed reporting limits
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" * " Indicates presence of petroleum distilate

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Surrogate = 65% to 135%
LCS = 65% to 135%
Surrogate Concentration = 5.0 µg/L
Gx Spike Concentration = 100 µg/L
GRO = C6-C12

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Analysis of Gasoline by NWTPH-Gx

Project: Fox Ave.
Client: Floyd | Snider
Client Project #: Fox Ave RA Task 1
Lab Project #: CHM101021-14

8021B+NWTPH-Gx (ug/L)	MRL	B-59-27.5	B-59-27.5 Duplicate	B-58-10.5	MW-14-57.5	B-60-11
Date Analyzed		10/25/10	10/25/10	10/25/10	10/25/10	10/25/10
Matrix		Water	Water	Water	Water	Water
NWTPH-Gx (ug/L)						
Gasoline	50	nd	nd	nd	nd	nd
Gasoline Range Hydrocarbons (GRO)*	50	nd	nd	nd	nd	nd
Mineral Spirits / Stoddard	50	nd	nd	nd	**650**	nd
Surrogate Recovery						
(Surr 1) 1-Chloro-3-fluorobenzene		97%	91%	124%	96%	75%
(Surr 2) 4-Bromochlorobenzene		92%	90%	90%	C	88%

"nd" Indicates not detected at listed reporting limits
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"MRL" Indicates Method Reporting Limits
"LCS" Indicates Laboratory Control Sample
"RPD" Indicates Relative Percent Difference
" * " Indicates presence of petroleum distilate

Acceptable RPD % is determined to be less than 30%
Acceptable Recovery Limits:
Surrogate = 65% to 135%
LCS = 65% to 135%
Surrogate Concentration = 5.0 µg/L
Gx Spike Concentration = 100 µg/L
GRO = C6-C12

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Analysis of Gasoline by NWTPH-Gx

Project: Fox Ave.
Client: Floyd | Snider
Client Project #: Fox Ave RA Task 1
Lab Project #: CHM101021-14

8021B+NWTPH-Gx (ug/L)	MRL	B-61-41.5	B-63-40.5	B-62-10.5	B-18-11
Date Analyzed		10/25/10	10/25/10	10/25/10	10/26/10
Matrix		Water	Water	Water	Water
NWTPH-Gx (ug/L)					
Gasoline	50	nd	nd	nd	nd
Gasoline Range Hydrocarbons (GRO)[1]	50	nd	nd	nd	nd
Mineral Spirits / Stoddard	50	**80**	**140**	**230**	nd
Surrogate Recovery					
(Surr 1) 1-Chloro-3-fluorobenzene		92%	98%	122%	90%
(Surr 2) 4-Bromochlorobenzene		102%	101%	94%	78%

"nd" Indicates not detected at listed reporting limits
"C" Indicates coelution prevents determination
"J" Indicates estimated value
"MRL" Indicates Method Reporting Limits
"LCS" Indicates Laboratory Control Sample
"RPD" Indicates Relative Percent Difference
" * " Indicates presence of petroleum distilate

Acceptable RPD % is determined to be less than 30%
Acceptable Recovery Limits:
Surrogate = 65% to 135%
LCS = 65% to 135%
Surrogate Concentration = 5.0 µg/L
Gx Spike Concentration = 100 µg/L
GRO = C6-C12

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Analysis of Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.

Project: Fox Ave.
Client: Floyd | Snider
Client Project #: Fox Ave RA Task 1
Lab Project #: CHM101021-14

NWTPH-Dx/Dx Ext. (µg/L)	MRL	Method Blank	Method Blank	LCS	LCS	MW-10-24	P2M-2L-35	B-39-11
Date Analyzed		10/26/10	10/26/10	10/26/10	10/26/10	10/26/10	10/26/10	10/26/10
Matrix						Water	Water	Water
Diesel (Fuel Oil)	50	nd	nd	111%	104%	nd	nd	nd
Diesel Range Organics	50	nd	nd			nd	nd	nd
Mineral Oil	50	nd	nd			nd	nd	nd
Heavy Oil	100	nd	nd			nd	nd	nd
Surrogate Recovery								
(Surr 1) 2-Fluorobiphenol		71%	89%	119%	97%	83%	121%	89%
(Surr 2) o-Terphenyl		72%	93%	105%	120%	85%	132%	91%

"nd" Indicates not detected at listed reporting limits
"int" Indicates that interference prevents determination
"J" Indicates estimated value
"C" Indicates coelution prevents determination
"LCS" Indicates Laboratory Control Sample
"RPD" Indicates Relative Percent Difference
"MRL" Indicates Method Reporting Limit

Acceptable RPD is determined to be less than 30%
Acceptable Recovery Limits:
LCS, Surrogate = 65% to 135%
Surrogate Concentration = 160 µg/L
Spike Concentration = 4000 µg/L
Diesel (Fuel Oil) = C12-C24
Mineral Oil = C15-C40
Heavy Oil = C24-C40

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Analysis of Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.

Project: Fox Ave.
Client: Floyd | Snider
Client Project #: Fox Ave RA Task 1
Lab Project #: CHM101021-14

NWTPH-Dx/Dx Ext. (µg/L)	MRL	B-52-10.5	B-11-12	B-11-12 Duplicate	MW-13-67.5	B-10A-11.5
Date Analyzed		10/26/10	10/26/10	10/26/10	10/26/10	10/26/10
Matrix		Water	Water	Water	Water	Water
Diesel (Fuel Oil)	50	nd	nd	nd	nd	nd
Diesel Range Organics	50	nd	nd	nd	nd	**1300**
Mineral Oil	50	nd	nd	nd	nd	nd
Heavy Oil	100	nd	nd	nd	nd	nd
Surrogate Recovery						
(Surr 1) 2-Fluorobiphenol		88%	86%	104%	76%	81%
(Surr 2) o-Terphenyl		93%	94%	100%	79%	89%

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"int" Indicates that interference prevents determination
"J" Indicates estimated value
"C" Indicates coelution prevents determination
"LCS" Indicates Laboratory Control Sample
"RPD" Indicates Relative Percent Difference
"MRL" Indicates Method Reporting Limit

Acceptable RPD is determined to be less than 30%
Acceptable Recovery Limits:
LCS, Surrogate = 65% to 135%
Surrogate Concentration = 160 µg/L
Spike Concentration = 4000 µg/L
Diesel (Fuel Oil) = C12-C24
Mineral Oil = C15-C40
Heavy Oil = C24-C40

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Analysis of Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.

Project: Fox Ave.
Client: Floyd | Snider
Client Project #: Fox Ave RA Task 1
Lab Project #: CHM101021-14

NWTPH-Dx/Dx Ext. (µg/L)	MRL	B-59C-27	B-59-27.5	B-58-10.5	MW-14-57.5	B-60-11
Date Analyzed		10/26/10	10/26/10	10/26/10	10/26/10	10/26/10
Matrix		Water	Water	Water	Water	Water
Diesel (Fuel Oil)	50	nd	nd	nd	nd	nd
Diesel Range Organics	50	nd	nd	nd	**360**	nd
Mineral Oil	50	nd	nd	nd	nd	nd
Heavy Oil	100	nd	nd	nd	**710**	nd
Surrogate Recovery						
(Surr 1) 2-Fluorobiphenol		*int*	*int*	84%	91%	77%
(Surr 2) o-Terphenyl		*int*	*int*	89%	90%	82%

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"LCS" Indicates Laboratory Control Sample
"RPD" Indicates Relative Percent Difference
"MRL" Indicates Method Reporting Limit

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Acceptable Recovery Limits:
LCS, Surrogate = 65% to 135%
Surrogate Concentration = 160 µg/L
Spike Concentration = 4000 µg/L
Diesel (Fuel Oil) = C12-C24
Mineral Oil = C15-C40
Heavy Oil = C24-C40

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Analysis of Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.

Project: Fox Ave.
Client: Floyd | Snider
Client Project #: Fox Ave RA Task 1
Lab Project #: CHM101021-14

NWTPH-Dx/Dx Ext. (µg/L)	MRL	B-61-41.5	B-63-40.5	B-62-10.5	B-18-11
Date Analyzed		10/26/10	10/26/10	10/27/10	10/26/10
Matrix		Water	Water	Water	Water
Diesel (Fuel Oil)	50	nd	nd	nd	nd
Diesel Range Organics	50	nd	nd	nd	nd
Mineral Oil	50	nd	nd	nd	nd
Heavy Oil	100	nd	nd	nd	nd
Surrogate Recovery					
(Surr 1) 2-Fluorobiphenol		78%	69%	83%	93%
(Surr 2) o-Terphenyl		88%	79%	91%	96%

"nd" Indicates not detected at listed reporting limits
"int" Indicates that interference prevents determination
"J" Indicates estimated value
"C" Indicates coelution prevents determination
"LCS" Indicates Laboratory Control Sample
"RPD" Indicates Relative Percent Difference
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Surrogate Concentration = 160 µg/L
Spike Concentration = 4000 µg/L
Diesel (Fuel Oil) = C12-C24
Mineral Oil = C15-C40
Heavy Oil = C24-C40

Fremont Analytical

Chain of Custody Record

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Fax: 206-352-7178

Laboratory Project No (internal): CHM101021-14

Date: 10/20/10 Page: 1 of: 2

Client: FLOYD SNIDER
Address: 601 UNION ST STE 6000
City, State, Zip: SEATTLE WA 98101 Tel: 206-292-2078
Reports To (PM): Tom Colligan Fax: 206-682-7867 Email: tom.colligan@floydsnider.com

Project Name: FOX AVE RA - TASK 1
Location: FOX AVE
Collected by: E MURRAY & E SANTEE
Project No: FOX AVE RA TASK 1

	Sample Name	Time	Sample Type (Matrix)	Container Type	Date of Collection	VOA 8260	VOA 8021B BTEX	NWTPH-Gx	NWTPH-HCID	NWTPH-Dx/Dx Ext.	SEMI VOL 8270C	PAH 8270	PCBs 8082	Cl PESTICIDES 8081	Cl HERBICIDES 8151A	Metals* Total (T) | Dissolved (D)	Anions (IC)**	Comments/Depth
1	MW-10-~~37~~-24	11:40	GW	VOA/2 L Amb	10/20/10	X		X		X								24' depth HOT
2	P2M-2L-35	10:~~35~~	GW	VOA/1 L Amber	10/20/10	X		X		X								35' depth
3	B-39-11	13:20		VOA/1 L Amber	10/20/10	X		X		X								11' depth HOT
4	B-52-10.5	15:25		VOA/1 L Amber	10/21/10	X		X		X								10.5' depth
5	B-11-12	16:45		VOA/1 L Amber	10/20/10	X		X		X								12' depth
6	MW-13-67.5	17:40		VOA/1 L Amber	10/21/10	X		X		X								67.5' depth HOT
7	B-10A-11.5	18:40		VOA/1 L Amber	10/21/10	X		X		X								11.5' depth HOT
8	B-59C-27	0820		VOA/1 L Amber	10/21/10	X		X		X								27' depth
9	B-59-27.5	0915		VOA/1 L Amber	10/21/10	X		X		X								27.5 depth
10	B-52-10.5	1005		VOA/1 L Amber	10/21/10	X		X		X								10.5 depth

CHECK FOR MINERAL SPIRITS DX QA

*Metals Analysis (Circle): MTCA-5 RCRA-8 Priority Pollutants TAL *Individual:* Ag Al As B Ba Be Ca Cd Co Cr Cu Fe Hg K Mg Mn Mo Na Ni Pb Sb Se Sr Sn Ti Tl U V Zn

**Anions (Circle): Nitrate Nitrite Chloride Sulfate Bromide O-Phosphate Fluoride Nitrate+Nitrite

Relinquished	Date/Time	Received	Date/Time
x Emily Santee	10/21/10 1810	x	10/21/10 1810
Relinquished	Date/Time	Received	Date/Time
x		x	

Sample Receipt:

Good?	Y
Cooler Temperature:	2.9
Seals Intact?:	N/A
Total Number of Containers:	99

Special Remarks:

TAT --> 24HR 48HR (Standard)

Distribution: White - Lab, Yellow - File, Pink - Originator

Chain of Custody Record

Fremont Analytical
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Seattle, WA 98109
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Fax: 206-352-7178

Laboratory Project No (internal): CHM101021-14

Date: 10/21/10

Page: 2 of: 2

Client: FLOYD SNIDER

Project Name: FOX AVE RA

Address: 601 UNION ST STE 600

Location: FOX AVE

City, State, Zip: SEATTLE WA 98101

Tel: 206-292-2078

Collected by: ERIN MURRAY & EMILY SANTEE

Reports To (PM): TOM CORRIGAN

Fax: 206-682-7867

Email: tom.corrigan@floydsnider.com

Project No: FOX AVE RA TASK 1 - DATA GAPS

	Sample Name	Time	Sample Type (Matrix)	Container Type	Date of Collection	VOA 8260	VOA 8021B BTEX	NWTPH-Gx	NWTPH-HCID	NWTPH-Dx/Dx Ext.	SEMI VOL 8270C	PAH 8270	PCBs 8082	Cl PESTICIDES 8081	Cl HERBICIDES 8151A	Metals* Total (T) | Dissolved (D)	Anions (IC)**					Comments/Depth
1	MW-14-57.5	1135	GW	5 VOA/ 1 L Amber	10/21/10	X		X		X												57.5' HOT
2	B-60-11	1405		5 VOA/ 1 L Amber	10/21/10	X		X		X												11'
3	B-61-41.5	1445		5 VOA/ 1 L Amber	10/21/10	X		X		X												41.5'
4	B-63-40.5	1600		5 VOA/ 1 L Amber	10/21/10	X		X		X												40.5' MS/MSD
5	B-62-10.5	1645		5 VOA/ 1 L Amber	10/21/10	X		X		X												10.5' ~~MS/MSD~~ EM
6	B-18-11	1730	GW	5 VOA/ 1 L Amber	10/21/10	X		X		X												11'
7																						
8																						
9																						
10																						

*Metals Analysis (Circle): MTCA-5 RCRA-8 Priority Pollutants TAL *Individual:* Ag Al As B Ba Be Ca Cd Co Cr Cu Fe Hg K Mg Mn Mo Na Ni Pb Sb Se Sr Sn Ti Tl U V Zn

**Anions (Circle): Nitrate Nitrite Chloride Sulfate Bromide O-Phosphate Fluoride Nitrate+Nitrite

Relinquished	Date/Time	Received	Date/Time
x Emily Santee	10/21/10 1815	x	10/21/10 1810
x		x	

Sample Receipt:	
Good?	
Cooler Temperature:	
Seals Intact?:	
Total Number of Containers:	

Special Remarks:

TAT --> 24HR 48HR Standard

Distribution: White - Lab, Yellow - File, Pink - Originator

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Floyd | Snider
Attn: Tom Colligan
601 Union St. Ste. 600
Seattle, WA 98101

RE: Fox Ave.
Fremont Project No: CHM101025-4
Floyd | Snider Project No: MM001003

October 26th, 2010

Tom:

Enclosed are the analytical results for the ***Fox Ave.*** water samples delivered to Fremont Analytical on October 25th, 2010.

Sample Receipt:
The samples were received in good condition - in the proper containers, properly sealed, labeled and within holding time. The samples were contained in 25 -40mL VOAs preserved with HCl. The samples were received in a cooler with wet ice, with a cooler temperature of 9.6°C, which is within the laboratory recommended cooler temperature range (<4°C - 10°C). The samples were stored in a refrigeration unit at the USEPA-recommended temperature of 4°C ± 2°C. There were no sample receipt issues to report.

Sample Analysis:
Examination of these samples was conducted for the presence of the following:

- ***Volatile Organic Compounds by EPA Method 8260***

This application was performed under Washington State Department of Ecology accreditation parameters. All appropriate Quality Assurance / Quality Control method parameters have been applied.

Laboratory Notations (Matrix): The *relative percent difference (RPD%)* between the sample (Sample ID: *FAS-GP104-70*) and the sample duplicate exceeded the laboratory recommended control limit for *Vinyl Chloride* (37%, limit = 30%). The other RPD% was within range.

Please contact the laboratory if you should have any questions about the results,

Thank you for using Fremont Analytical!

Sincerely,

Michael Dee
Sr. Chemist / Principal
mikedee@fremontanalytical.com

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Analysis of Volatile Organic Compounds by EPA Method 8260

Project: Fox Ave.
Client: Floyd | Snider
Client Project #: MM001003
Lab Project #: CHM101025-4

EPA 8260B (µg/L)	MRL	Method Blank	LCS	FAS-GP-100-10	FAS-GP105-40
Date Analyzed		10/26/10	10/26/10	10/26/10	10/26/10
Matrix				Water	Water
Dichlorodifluoromethane	1.0	nd		nd	nd
Chloromethane	1.0	nd		nd	nd
Vinyl chloride *	0.2	nd		nd	**0.88**
Chloroethane	1.0	nd		nd	nd
Trichlorofluoromethane	1.0	nd		nd	nd
1,1-Dichloroethene	1.0	nd	106%	nd	nd
Methylene chloride	1.0	nd		nd	nd
trans-1,2-Dichloroethene	1.0	nd		nd	nd
1,1-Dichloroethane	1.0	nd		nd	nd
2,2-Dichloropropane	2.0	nd		nd	nd
cis-1,2-Dichloroethene	1.0	nd		nd	**20**
Chloroform	1.0	nd		**3.4**	nd
1,1-Dichloropropene	1.0	nd		nd	nd
Carbon tetrachloride	1.0	nd		nd	nd
1,1,1-Trichloroethane (TCA)	1.0	nd		nd	nd
Benzene	1.0	nd	90%	nd	nd
1,2-Dichloroethane (EDC)	1.0	nd		nd	nd
Trichloroethene (TCE)	1.0	nd	116%	**0.72 *J***	**0.93 *J***
1,2-Dichloropropane	1.0	nd		nd	nd
Bromodichloromethane	1.0	nd		nd	nd
cis-1,3-Dichloropropene	1.0	nd		nd	nd
Toluene	1.0	nd	89%	nd	nd
Trans-1,3-Dichloropropene	1.0	nd		nd	nd
1,1,2-Trichloroethane	1.0	nd		nd	nd
Tetrachloroethene (PCE)	1.0	nd		**6.9**	**0.36 *J***

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* Instrument Detection Limit
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"MRL" Indicates Method Reporting Limit
"LCS" Indicates Laboratory Control Sample
"MS" Indicates Matrix Spike
"RPD" Indicates Relative Percent Difference

Acceptable RPD is determined to be less than 30%
Acceptable Recovery Limits:
Surrogate = 65% to 135%
LCS, MS= 65% to 135%
Surrogates and Spike Concentration = 10 µg/L

2930 Westlake Ave. N., Suite 100
Seattle, WA 98109

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F: 206.352.7178
email: info@fremontanalytical.com

Analysis of Volatile Organic Compounds by EPA Method 8260

Project: Fox Ave.
Client: Floyd | Snider
Client Project #: MM001003
Lab Project #: CHM101025-4

EPA 8260B (µg/L)	MRL	Method Blank	LCS	FAS-GP-100-10	FAS-GP105-40
Date Analyzed		10/26/10	10/26/10	10/26/10	10/26/10
Matrix				Water	Water
Dichlorodifluoromethane	1.0	nd		nd	nd
Chloromethane	1.0	nd		nd	nd
1,3-Dichloropropane	1.0	nd		nd	nd
Dibromochloromethane	1.0	nd		nd	nd
Chlorobenzene	1.0	nd	97%	nd	nd
1,1,1,2-Tetrachloroethane	1.0	nd		nd	nd
Ethylbenzene	1.0	nd		nd	nd
Total Xylenes	1.0	nd		nd	nd
1,2,3-Trichloropropane	1.0	nd		nd	nd
1,1,2,2-Tetrachloroethane	1.0	nd		nd	nd
2-Chlorotoluene	1.0	nd		nd	nd
4-Chlorotoluene	1.0	nd		nd	nd
1,3-Dichlorobenzene	1.0	nd		nd	nd
1,4-Dichlorobenzene	1.0	nd		nd	nd
1,2-Dichlorobenzene	1.0	nd		nd	nd
1,2-Dibromo-3-Chloropropane	1.0	nd		nd	nd
1,2,4-Trichlorobenzene	2.0	nd		nd	nd
Hexachloro-1,3-butadiene	4.0	nd		nd	nd
1,2,3-Trichlorobenzene	4.0	nd		nd	nd
Surrogate Recovery					
Dibromofluoromethane		104%	88%	79%	89%
Toluene-d8		80%	100%	84%	97%
1-Bromo-4-fluorobenzene		104%	102%	100%	105%

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Analysis of Volatile Organic Compounds by EPA Method 8260

Project: Fox Ave.
Client: Floyd | Snider
Client Project #: MM001003
Lab Project #: CHM101025-4

EPA 8260B (µg/L)	MRL	FAS-GP105-55	FAS-GP105-70	FAS-GP104-40	FAS-GP104-55
Date Analyzed		10/26/10	10/26/10	10/26/10	10/26/10
Matrix		Water	Water	Water	Water
Dichlorodifluoromethane	1.0	nd	nd	nd	nd
Chloromethane	1.0	nd	nd	nd	nd
Vinyl chloride *	0.2	**65**	nd	**29**	**10**
Chloroethane	1.0	nd	nd	nd	nd
Trichlorofluoromethane	1.0	nd	nd	nd	nd
1,1-Dichloroethene	1.0	nd	nd	nd	nd
Methylene chloride	1.0	nd	nd	nd	nd
trans-1,2-Dichloroethene	1.0	nd	nd	**1.4**	nd
1,1-Dichloroethane	1.0	nd	nd	nd	nd
2,2-Dichloropropane	2.0	nd	nd	nd	nd
cis-1,2-Dichloroethene	1.0	**2.8**	nd	**130**	**8.5**
Chloroform	1.0	nd	nd	nd	nd
1,1-Dichloropropene	1.0	nd	nd	nd	nd
Carbon tetrachloride	1.0	nd	nd	nd	nd
1,1,1-Trichloroethane (TCA)	1.0	nd	nd	nd	nd
Benzene	1.0	nd	nd	**0.75 *J***	nd
1,2-Dichloroethane (EDC)	1.0	nd	nd	nd	nd
Trichloroethene (TCE)	1.0	nd	nd	**0.62 *J***	**0.53 *J***
1,2-Dichloropropane	1.0	nd	nd	nd	nd
Bromodichloromethane	1.0	nd	nd	nd	nd
cis-1,3-Dichloropropene	1.0	nd	nd	nd	nd
Toluene	1.0	nd	nd	nd	nd
Trans-1,3-Dichloropropene	1.0	nd	nd	nd	nd
1,1,2-Trichloroethane	1.0	nd	nd	nd	nd
Tetrachloroethene (PCE)	1.0	nd	nd	**0.49 *J***	nd

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Analysis of Volatile Organic Compounds by EPA Method 8260

Project: Fox Ave.
Client: Floyd | Snider
Client Project #: MM001003
Lab Project #: CHM101025-4

EPA 8260B (µg/L)	MRL	FAS-GP105-55	FAS-GP105-70	FAS-GP104-40	FAS-GP104-55
Date Analyzed		10/26/10	10/26/10	10/26/10	10/26/10
Matrix		Water	Water	Water	Water
Dichlorodifluoromethane	1.0	nd	nd	nd	nd
Chloromethane	1.0	nd	nd	nd	nd
1,3-Dichloropropane	1.0	nd	nd	nd	nd
Dibromochloromethane	1.0	nd	nd	nd	nd
Chlorobenzene	1.0	nd	nd	nd	nd
1,1,1,2-Tetrachloroethane	1.0	nd	nd	nd	nd
Ethylbenzene	1.0	nd	nd	nd	nd
Total Xylenes	1.0	nd	nd	nd	nd
1,2,3-Trichloropropane	1.0	nd	nd	nd	nd
1,1,2,2-Tetrachloroethane	1.0	nd	nd	nd	nd
2-Chlorotoluene	1.0	nd	nd	nd	nd
4-Chlorotoluene	1.0	nd	nd	nd	nd
1,3-Dichlorobenzene	1.0	nd	nd	nd	nd
1,4-Dichlorobenzene	1.0	nd	nd	nd	nd
1,2-Dichlorobenzene	1.0	nd	nd	nd	nd
1,2-Dibromo-3-Chloropropane	1.0	nd	nd	nd	nd
1,2,4-Trichlorobenzene	2.0	nd	nd	nd	nd
Hexachloro-1,3-butadiene	4.0	nd	nd	nd	nd
1,2,3-Trichlorobenzene	4.0	nd	nd	nd	nd
Surrogate Recovery					
Dibromofluoromethane		94%	80%	69%	75%
Toluene-d8		97%	84%	86%	83%
1-Bromo-4-fluorobenzene		106%	101%	103%	102%

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Analysis of Volatile Organic Compounds by EPA Method 8260

Project: Fox Ave.
Client: Floyd | Snider
Client Project #: MM001003
Lab Project #: CHM101025-4

			Duplicate			MS
EPA 8260B (µg/L)	**MRL**	**FAS-GP104-70**	**FAS-GP104-70**	**RPD %**	**DUP1-102510**	**FAS-GP-100-10**
Date Analyzed		10/26/10	10/26/10		10/26/10	10/26/10
Matrix		Water	Water		Water	Water
Dichlorodifluoromethane	1.0	nd	nd		nd	
Chloromethane	1.0	nd	nd		nd	
Vinyl chloride *	0.2	**0.47**	**0.68**	37%	**11**	
Chloroethane	1.0	nd	nd		nd	
Trichlorofluoromethane	1.0	nd	nd		nd	
1,1-Dichloroethene	1.0	nd	nd		nd	80%
Methylene chloride	1.0	nd	nd		nd	
trans-1,2-Dichloroethene	1.0	nd	nd		nd	
1,1-Dichloroethane	1.0	nd	nd		nd	
2,2-Dichloropropane	2.0	nd	nd		nd	
cis-1,2-Dichloroethene	1.0	nd	nd		**9.0**	
Chloroform	1.0	nd	nd		nd	
1,1-Dichloropropene	1.0	nd	nd		nd	
Carbon tetrachloride	1.0	nd	nd		nd	
1,1,1-Trichloroethane (TCA)	1.0	nd	nd		nd	
Benzene	1.0	nd	nd		nd	102%
1,2-Dichloroethane (EDC)	1.0	nd	nd		nd	
Trichloroethene (TCE)	1.0	nd	nd		**0.55 *J***	120%
1,2-Dichloropropane	1.0	nd	nd		nd	
Bromodichloromethane	1.0	nd	nd		nd	
cis-1,3-Dichloropropene	1.0	nd	nd		nd	
Toluene	1.0	**0.39 *J***	**0.41 *J***	5%	nd	86%
Trans-1,3-Dichloropropene	1.0	nd	nd		nd	
1,1,2-Trichloroethane	1.0	nd	nd		nd	
Tetrachloroethene (PCE)	1.0	nd	nd		nd	

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Analysis of Volatile Organic Compounds by EPA Method 8260

Project: Fox Ave.
Client: Floyd | Snider
Client Project #: MM001003
Lab Project #: CHM101025-4

			Duplicate			MS
EPA 8260B (µg/L)	**MRL**	**FAS-GP104-70**	**FAS-GP104-70**	**RPD %**	**DUP1-102510**	**FAS-GP-100-10**
Date Analyzed		10/26/10	10/26/10		10/26/10	10/26/10
Matrix		Water	Water		Water	Water
Dichlorodifluoromethane	1.0	nd	nd		nd	
Chloromethane	1.0	nd	nd		nd	
1,3-Dichloropropane	1.0	nd	nd		nd	
Dibromochloromethane	1.0	nd	nd		nd	
Chlorobenzene	1.0	nd	nd		nd	96%
1,1,1,2-Tetrachloroethane	1.0	nd	nd		nd	
Ethylbenzene	1.0	nd	nd		nd	
Total Xylenes	1.0	nd	nd		nd	
1,2,3-Trichloropropane	1.0	nd	nd		nd	
1,1,2,2-Tetrachloroethane	1.0	nd	nd		nd	
2-Chlorotoluene	1.0	nd	nd		nd	
4-Chlorotoluene	1.0	nd	nd		nd	
1,3-Dichlorobenzene	1.0	nd	nd		nd	
1,4-Dichlorobenzene	1.0	nd	nd		nd	
1,2-Dichlorobenzene	1.0	nd	nd		nd	
1,2-Dibromo-3-Chloropropane	1.0	nd	nd		nd	
1,2,4-Trichlorobenzene	2.0	nd	nd		nd	
Hexachloro-1,3-butadiene	4.0	nd	nd		nd	
1,2,3-Trichlorobenzene	4.0	nd	nd		nd	
Surrogate Recovery						
Dibromofluoromethane		93%	89%		79%	108%
Toluene-d8		99%	98%		84%	86%
1-Bromo-4-fluorobenzene		102%	105%		104%	101%

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Surrogates and Spike Concentration = 10 µg/L

Fremont Analytical

Chain of Custody Record

2930 Westlake Ave. N. Suite 100
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Tel: 206-352-3790
Fax: 206-352-7178

Laboratory Project No (internal): CTM101025-4

Date: 10-25-10 Page: 1 of: 1

Client: Floyd Snider
Address:
City, State, Zip: Seattle, WA 98104 Tel:

Project Name: Fox Ave
Location: Fox Ave
Collected by: J Waste K Chambers

Reports To (PM): Tom Colligan Fax: Email: tom.colligan@floydsnider.com Project No: mi001003

Sample Name	Time	Sample Type (Matrix)	Container Type	Date of Collection	VOA 8260	VOA 8021B BTEX	NWTPH-Gx	NWTPH-HCID	NWTPH-Dx/Dx Ext.	SEMI VOL 8270C	PAH 8270	PCBs 8082	Cl PESTICIDES 8081	Cl HERBICIDES 8151A	Metals* Total (T) | Dissolved (D)	Anions (IC)**					Comments/Depth
1 FAS-GP100-10	0820	GW	40mL VOA	10/25/10	X																10ft - Geoprobe - Peristaltic pump
2 FAS-GP105-40	0921	GW			X																40ft - Geoprobe "
3 FAS-GP105-55	0952	GW			X																55ft - Geoprobe "
4 FAS-GP105-70	1030	GW			X																70ft " "
5 FAS-GP104-40	1110	GW			X																40ft " "
6 FAS-GP104-55	1430	GW			X																55ft " "
7 FAS-GP104-70	1545	GW			X																70ft " "
8 DUP1-102510	0700	GW			X																GP-104-55
9																					
10																					

*Metals Analysis (Circle): MTCA-5 RCRA-8 Priority Pollutants TAL *Individual:* Ag Al As B Ba Be Ca Cd Co Cr Cu Fe Hg K Mg Mn Mo Na Ni Pb Sb Se Sr Sn Ti Tl U V Zn

**Anions (Circle): Nitrate Nitrite Chloride Sulfate Bromide O-Phosphate Fluoride Nitrate+Nitrite

Relinquished	Date/Time	Received	Date/Time
x Kyle Richards	10/25/10 16:45	x	10/25/10 16:45
Relinquished	Date/Time	Received	Date/Time
x		x	

Sample Receipt:

Good?	Y
Cooler Temperature:	9.6
Seals Intact?:	n/a
Total Number of Containers:	25

Special Remarks: ~~24hr on GP104~~ & GP105 samples
cc Tom Mclean

TAT --> (24HR) 48HR Standard

Distribution: White - Lab, Yellow - File, Pink - Originator

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info@fremontanalytical.com

Floyd | Snider
Attn: Tom Colligan
601 Union St. Ste. 600
Seattle, WA 98101

RE: Fox Ave.
Fremont Project No: CHM101026-8
Floyd | Snider Project No: MM001003

October 27th, 2010

Tom:

Enclosed are the analytical results for the ***Fox Ave.*** water samples delivered to Fremont Analytical on October 25th, 2010.

Sample Receipt:
The samples were received in good condition - in the proper containers, properly sealed, labeled and within holding time. The samples were contained in 40 -40mL VOAs preserved with HC and 1 – 250mL HDPE bottle. The samples were received in a cooler with wet ice, with a cooler temperature of 7.4°C, which is within the laboratory recommended cooler temperature range (<4°C - 10°C). The samples were stored in a refrigeration unit at the USEPA-recommended temperature of 4°C ± 2°C.

> **Sample Receipt Notations:** Sample *FAS-GP101-10* was noted on the Chain of Custody (COC). However, the sample labels indicated *FAS-GP-101-12*. The sample times matched the bottle with the COC. The sample ID will follow what was noted on the COC.

Sample Analysis:
Examination of these samples was conducted for the presence of the following:

- ***Volatile Organic Compounds by EPA Method 8260***
- ***Salinity by SM 2520B***

These applications were performed under Washington State Department of Ecology accreditation parameters. All appropriate Quality Assurance / Quality Control method parameters have been applied. There were no sample analysis issues to report.

Please contact the laboratory if you should have any questions about the results,

Thank you for using Fremont Analytical!

Sincerely,

Michael Dee
Sr. Chemist / Principal
mikedee@fremontanalytical.com

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Analysis of Volatile Organic Compounds by EPA Method 8260

Project: Fox Ave.
Client: Floyd | Snider
Client Project #: MM001003
Lab Project #: CHM101026-8

EPA 8260B (µg/L)	MRL	Method Blank	LCS	FAS-GP103-85	FAS-GP102-15
Date Analyzed		10/26/10	10/26/10	10/26/10	10/26/10
Matrix				Water	Water
Dichlorodifluoromethane	1.0	nd		nd	nd
Chloromethane	1.0	nd		nd	nd
Vinyl chloride *	0.2	nd		**17**	**0.21**
Chloroethane	1.0	nd		nd	nd
Trichlorofluoromethane	1.0	nd		nd	nd
1,1-Dichloroethene	1.0	nd	101%	nd	**0.49 *J***
Methylene chloride	1.0	nd		nd	nd
trans-1,2-Dichloroethene	1.0	nd		nd	**6.1**
1,1-Dichloroethane	1.0	nd		nd	nd
2,2-Dichloropropane	2.0	nd		nd	nd
cis-1,2-Dichloroethene	1.0	nd		**2.3**	**87**
Chloroform	1.0	nd		nd	**1.2**
1,1-Dichloropropene	1.0	nd		nd	nd
Carbon tetrachloride	1.0	nd		nd	nd
1,1,1-Trichloroethane (TCA)	1.0	nd		nd	nd
Benzene	1.0	nd	115%	nd	nd
1,2-Dichloroethane (EDC)	1.0	nd		nd	**2.9**
Trichloroethene (TCE)	1.0	nd	107%	nd	**200**
1,2-Dichloropropane	1.0	nd		nd	nd
Bromodichloromethane	1.0	nd		nd	nd
cis-1,3-Dichloropropene	1.0	nd		nd	nd
Toluene	1.0	nd	91%	**0.56 *J***	**0.37 *J***
Trans-1,3-Dichloropropene	1.0	nd		nd	nd
1,1,2-Trichloroethane	1.0	nd		nd	nd
Tetrachloroethene (PCE)	1.0	nd		nd	**640**

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Analysis of Volatile Organic Compounds by EPA Method 8260

Project: Fox Ave.
Client: Floyd | Snider
Client Project #: MM001003
Lab Project #: CHM101026-8

EPA 8260B (µg/L)	MRL	Method Blank	LCS	FAS-GP103-85	FAS-GP102-15
Date Analyzed		10/26/10	10/26/10	10/26/10	10/26/10
Matrix				Water	Water
Dichlorodifluoromethane	1.0	nd		nd	nd
Chloromethane	1.0	nd		nd	nd
1,3-Dichloropropane	1.0	nd		nd	nd
Dibromochloromethane	1.0	nd		nd	nd
Chlorobenzene	1.0	nd	93%	nd	nd
1,1,1,2-Tetrachloroethane	1.0	nd		nd	nd
Ethylbenzene	1.0	nd		nd	nd
Total Xylenes	1.0	nd		nd	nd
1,2,3-Trichloropropane	1.0	nd		nd	nd
1,1,2,2-Tetrachloroethane	1.0	nd		nd	nd
2-Chlorotoluene	1.0	nd		nd	nd
4-Chlorotoluene	1.0	nd		nd	nd
1,3-Dichlorobenzene	1.0	nd		nd	nd
1,4-Dichlorobenzene	1.0	nd		nd	nd
1,2-Dichlorobenzene	1.0	nd		nd	nd
1,2-Dibromo-3-Chloropropane	1.0	nd		nd	nd
1,2,4-Trichlorobenzene	2.0	nd		nd	nd
Hexachloro-1,3-butadiene	4.0	nd		nd	nd
1,2,3-Trichlorobenzene	4.0	nd		nd	nd
Surrogate Recovery					
Dibromofluoromethane		107%	122%	72%	72%
Toluene-d8		84%	101%	101%	83%
1-Bromo-4-fluorobenzene		100%	100%	99%	102%

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Surrogates and Spike Concentration = 10 µg/L

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Seattle, WA 98109

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Analysis of Volatile Organic Compounds by EPA Method 8260

Project: Fox Ave.
Client: Floyd | Snider
Client Project #: MM001003
Lab Project #: CHM101026-8

EPA 8260B (µg/L)	MRL	FAS-GP102-30	FAS-GP102-40	FAS-GP102-55	Duplicate FAS-GP102-55	RPD %
Date Analyzed		10/26/10	10/26/10	10/26/10	10/26/10	
Matrix		Water	Water	Water	Water	
Dichlorodifluoromethane	1.0	nd	nd	nd	nd	
Chloromethane	1.0	nd	nd	nd	nd	
Vinyl chloride *	0.2	nd	**0.39**	**670**	**850**	24%
Chloroethane	1.0	nd	nd	nd	nd	
Trichlorofluoromethane	1.0	nd	nd	nd	nd	
1,1-Dichloroethene	1.0	nd	nd	nd	nd	
Methylene chloride	1.0	nd	nd	nd	nd	
trans-1,2-Dichloroethene	1.0	**1.0**	nd	**2.9**	**3.4**	18%
1,1-Dichloroethane	1.0	nd	nd	**0.58 *J***	**0.60 *J***	3%
2,2-Dichloropropane	2.0	nd	nd	nd	nd	
cis-1,2-Dichloroethene	1.0	**5.0**	**1.6**	**110**	**140**	19%
Chloroform	1.0	nd	nd	nd	nd	
1,1-Dichloropropene	1.0	nd	nd	nd	nd	
Carbon tetrachloride	1.0	nd	nd	nd	nd	
1,1,1-Trichloroethane (TCA)	1.0	nd	nd	nd	nd	
Benzene	1.0	nd	nd	nd	nd	
1,2-Dichloroethane (EDC)	1.0	**11**	**8.3**	**29**	**24**	16%
Trichloroethene (TCE)	1.0	**5.2**	**3.2**	**0.79 *J***	**0.70 *J***	12%
1,2-Dichloropropane	1.0	nd	nd	nd	nd	
Bromodichloromethane	1.0	nd	nd	nd	nd	
cis-1,3-Dichloropropene	1.0	nd	nd	nd	nd	
Toluene	1.0	nd	nd	nd	nd	
Trans-1,3-Dichloropropene	1.0	nd	nd	nd	nd	
1,1,2-Trichloroethane	1.0	nd	nd	nd	nd	
Tetrachloroethene (PCE)	1.0	**1.6**	**0.76 *J***	**2.4**	**2.4**	0.4%

"nd" Indicates not detected at listed reporting limits
"int" Indicates that interference prevents determinatio
* Instrument Detection Limit
"J" Indicates estimated value
"MRL" Indicates Method Reporting Limit
"LCS" Indicates Laboratory Control Sample
"MS" Indicates Matrix Spike
"RPD" Indicates Relative Percent Difference

Acceptable RPD is determined to be less than 30%
Acceptable Recovery Limits:
Surrogate = 65% to 135%
LCS, MS= 65% to 135%
Surrogates and Spike Concentration = 10 µg/L

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Analysis of Volatile Organic Compounds by EPA Method 8260

Project: Fox Ave.
Client: Floyd | Snider
Client Project #: MM001003
Lab Project #: CHM101026-8

EPA 8260B (µg/L)	MRL	FAS-GP102-30	FAS-GP102-40	FAS-GP102-55	Duplicate FAS-GP102-55	RPD %
Date Analyzed		10/26/10	10/26/10	10/26/10	10/26/10	
Matrix		Water	Water	Water	Water	
Dichlorodifluoromethane	1.0	nd	nd	nd	nd	
Chloromethane	1.0	nd	nd	nd	nd	
1,3-Dichloropropane	1.0	nd	nd	nd	nd	
Dibromochloromethane	1.0	nd	nd	nd	nd	
Chlorobenzene	1.0	nd	nd	nd	nd	
1,1,1,2-Tetrachloroethane	1.0	nd	nd	nd	nd	
Ethylbenzene	1.0	nd	nd	nd	nd	
Total Xylenes	1.0	nd	nd	nd	nd	
1,2,3-Trichloropropane	1.0	nd	nd	nd	nd	
1,1,2,2-Tetrachloroethane	1.0	nd	nd	nd	nd	
2-Chlorotoluene	1.0	nd	nd	nd	nd	
4-Chlorotoluene	1.0	nd	nd	nd	nd	
1,3-Dichlorobenzene	1.0	nd	nd	nd	nd	
1,4-Dichlorobenzene	1.0	nd	nd	nd	nd	
1,2-Dichlorobenzene	1.0	nd	nd	nd	nd	
1,2-Dibromo-3-Chloropropane	1.0	nd	nd	nd	nd	
1,2,4-Trichlorobenzene	2.0	nd	nd	nd	nd	
Hexachloro-1,3-butadiene	4.0	nd	nd	nd	nd	
1,2,3-Trichlorobenzene	4.0	nd	nd	nd	nd	
Surrogate Recovery						
Dibromofluoromethane		95%	79%	75%	74%	
Toluene-d8		99%	84%	102%	100%	
1-Bromo-4-fluorobenzene		100%	102%	102%	104%	

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"RPD" Indicates Relative Percent Difference

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Acceptable Recovery Limits:
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LCS, MS= 65% to 135%
Surrogates and Spike Concentration = 10 µg/L

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Analysis of Volatile Organic Compounds by EPA Method 8260

Project: Fox Ave.
Client: Floyd | Snider
Client Project #: MM001003
Lab Project #: CHM101026-8

EPA 8260B (µg/L)	MRL	FAS-GP102-70	FAS-GP101-10	FAS-GP101-30	FAS-GP101-40
Date Analyzed		10/26/10	10/26/10	10/26/10	10/27/10
Matrix		Water	Water	Water	Water
Dichlorodifluoromethane	1.0	nd	nd	nd	nd
Chloromethane	1.0	nd	nd	nd	nd
Vinyl chloride *	0.2	**43**	**0.23**	**0.14 *J***	nd
Chloroethane	1.0	nd	nd	nd	nd
Trichlorofluoromethane	1.0	nd	nd	nd	nd
1,1-Dichloroethene	1.0	nd	nd	nd	nd
Methylene chloride	1.0	nd	nd	nd	nd
trans-1,2-Dichloroethene	1.0	nd	nd	nd	nd
1,1-Dichloroethane	1.0	nd	nd	nd	nd
2,2-Dichloropropane	2.0	nd	nd	nd	nd
cis-1,2-Dichloroethene	1.0	**1.4**	**13**	**0.87 *J***	**0.48 *J***
Chloroform	1.0	nd	nd	nd	nd
1,1-Dichloropropene	1.0	nd	nd	nd	nd
Carbon tetrachloride	1.0	nd	nd	nd	nd
1,1,1-Trichloroethane (TCA)	1.0	nd	nd	nd	nd
Benzene	1.0	nd	nd	nd	nd
1,2-Dichloroethane (EDC)	1.0	nd	nd	nd	nd
Trichloroethene (TCE)	1.0	nd	**13**	**0.39 *J***	nd
1,2-Dichloropropane	1.0	nd	nd	nd	nd
Bromodichloromethane	1.0	nd	nd	nd	nd
cis-1,3-Dichloropropene	1.0	nd	nd	nd	nd
Toluene	1.0	nd	nd	nd	nd
Trans-1,3-Dichloropropene	1.0	nd	nd	nd	nd
1,1,2-Trichloroethane	1.0	nd	nd	nd	nd
Tetrachloroethene (PCE)	1.0	**0.64 *J***	**180**	nd	nd

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"MS" Indicates Matrix Spike
"RPD" Indicates Relative Percent Difference

Acceptable RPD is determined to be less than 30%
Acceptable Recovery Limits:
Surrogate = 65% to 135%
LCS, MS= 65% to 135%
Surrogates and Spike Concentration = 10 µg/L

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Analysis of Volatile Organic Compounds by EPA Method 8260

Project: Fox Ave.
Client: Floyd | Snider
Client Project #: MM001003
Lab Project #: CHM101026-8

EPA 8260B (µg/L)	MRL	FAS-GP102-70	FAS-GP101-10	FAS-GP101-30	FAS-GP101-40
Date Analyzed		10/26/10	10/26/10	10/26/10	10/27/10
Matrix		Water	Water	Water	Water
Dichlorodifluoromethane	1.0	nd	nd	nd	nd
Chloromethane	1.0	nd	nd	nd	nd
1,3-Dichloropropane	1.0	nd	nd	nd	nd
Dibromochloromethane	1.0	nd	nd	nd	nd
Chlorobenzene	1.0	nd	nd	nd	nd
1,1,1,2-Tetrachloroethane	1.0	nd	nd	nd	nd
Ethylbenzene	1.0	nd	nd	nd	nd
Total Xylenes	1.0	nd	nd	nd	nd
1,2,3-Trichloropropane	1.0	nd	nd	nd	nd
1,1,2,2-Tetrachloroethane	1.0	nd	nd	nd	nd
2-Chlorotoluene	1.0	nd	nd	nd	nd
4-Chlorotoluene	1.0	nd	nd	nd	nd
1,3-Dichlorobenzene	1.0	nd	nd	nd	nd
1,4-Dichlorobenzene	1.0	nd	nd	nd	nd
1,2-Dichlorobenzene	1.0	nd	nd	nd	nd
1,2-Dibromo-3-Chloropropane	1.0	nd	nd	nd	nd
1,2,4-Trichlorobenzene	2.0	nd	nd	nd	nd
Hexachloro-1,3-butadiene	4.0	nd	nd	nd	nd
1,2,3-Trichlorobenzene	4.0	nd	nd	nd	nd
Surrogate Recovery					
Dibromofluoromethane		86%	98%	86%	105%
Toluene-d8		83%	98%	82%	100%
1-Bromo-4-fluorobenzene		103%	101%	99%	102%

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LCS, MS= 65% to 135%
Surrogates and Spike Concentration = 10 µg/L

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Analysis of Volatile Organic Compounds by EPA Method 8260

Project: Fox Ave.
Client: Floyd | Snider
Client Project #: MM001003
Lab Project #: CHM101026-8

EPA 8260B (µg/L)	MRL	FAS-GP101-50	FAS-DUP2-102610	MS FAS-GP102-40
Date Analyzed		10/27/10	10/27/10	10/26/10
Matrix		Water	Water	Water
Dichlorodifluoromethane	1.0	nd	nd	
Chloromethane	1.0	nd	nd	
Vinyl chloride *	0.2	nd	**0.38**	
Chloroethane	1.0	nd	nd	
Trichlorofluoromethane	1.0	nd	nd	
1,1-Dichloroethene	1.0	nd	nd	103%
Methylene chloride	1.0	nd	nd	
trans-1,2-Dichloroethene	1.0	nd	nd	
1,1-Dichloroethane	1.0	nd	nd	
2,2-Dichloropropane	2.0	nd	nd	
cis-1,2-Dichloroethene	1.0	nd	**1.5**	
Chloroform	1.0	nd	nd	
1,1-Dichloropropene	1.0	nd	nd	
Carbon tetrachloride	1.0	nd	nd	
1,1,1-Trichloroethane (TCA)	1.0	nd	nd	
Benzene	1.0	nd	nd	92%
1,2-Dichloroethane (EDC)	1.0	nd	**8.2**	
Trichloroethene (TCE)	1.0	nd	**3.8**	129%
1,2-Dichloropropane	1.0	nd	nd	
Bromodichloromethane	1.0	nd	nd	
cis-1,3-Dichloropropene	1.0	nd	nd	
Toluene	1.0	nd	nd	93%
Trans-1,3-Dichloropropene	1.0	nd	nd	
1,1,2-Trichloroethane	1.0	nd	nd	
Tetrachloroethene (PCE)	1.0	nd	**0.60 *J***	

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"int" Indicates that interference prevents determinatio
* Instrument Detection Limit
"J" Indicates estimated value
"MRL" Indicates Method Reporting Limit
"LCS" Indicates Laboratory Control Sample
"MS" Indicates Matrix Spike
"RPD" Indicates Relative Percent Difference

Acceptable RPD is determined to be less than 30%
Acceptable Recovery Limits:
Surrogate = 65% to 135%
LCS, MS= 65% to 135%
Surrogates and Spike Concentration = 10 µg/L

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Analysis of Volatile Organic Compounds by EPA Method 8260

Project: Fox Ave.
Client: Floyd | Snider
Client Project #: MM001003
Lab Project #: CHM101026-8

EPA 8260B (µg/L)	MRL	FAS-GP101-50	FAS-DUP2-102610	MS FAS-GP102-40
Date Analyzed		10/27/10	10/27/10	10/26/10
Matrix		Water	Water	Water
Dichlorodifluoromethane	1.0	nd	nd	
Chloromethane	1.0	nd	nd	
1,3-Dichloropropane	1.0	nd	nd	
Dibromochloromethane	1.0	nd	nd	
Chlorobenzene	1.0	nd	nd	94%
1,1,1,2-Tetrachloroethane	1.0	nd	nd	
Ethylbenzene	1.0	nd	nd	
Total Xylenes	1.0	nd	nd	
1,2,3-Trichloropropane	1.0	nd	nd	
1,1,2,2-Tetrachloroethane	1.0	nd	nd	
2-Chlorotoluene	1.0	nd	nd	
4-Chlorotoluene	1.0	nd	nd	
1,3-Dichlorobenzene	1.0	nd	nd	
1,4-Dichlorobenzene	1.0	nd	nd	
1,2-Dichlorobenzene	1.0	nd	nd	
1,2-Dibromo-3-Chloropropane	1.0	nd	nd	
1,2,4-Trichlorobenzene	2.0	nd	nd	
Hexachloro-1,3-butadiene	4.0	nd	nd	
1,2,3-Trichlorobenzene	4.0	nd	nd	
Surrogate Recovery				
Dibromofluoromethane		101%	83%	90%
Toluene-d8		97%	80%	99%
1-Bromo-4-fluorobenzene		100%	100%	99%

"nd" Indicates not detected at listed reporting limits
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* Instrument Detection Limit
"J" Indicates estimated value
"MRL" Indicates Method Reporting Limit
"LCS" Indicates Laboratory Control Sample
"MS" Indicates Matrix Spike
"RPD" Indicates Relative Percent Difference

Acceptable RPD is determined to be less than 30%
Acceptable Recovery Limits:
Surrogate = 65% to 135%
LCS, MS= 65% to 135%
Surrogates and Spike Concentration = 10 µg/L

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Salinity of Water by SM 2510B

Project: Fox Ave.
Client: Floyd | Snider
Client Project #: MM001003
Lab Project #: CHM101026-8

				Duplicate	
SM 2520B *ppm Salinity*	**Method Blank**	**CCV**	**FAS-GP103-85**	**FAS-GP103-85**	**RPD %**
Date Analyzed	10/27/10	10/27/10	10/27/10	10/27/10	
Matrix			Water	Water	
Salinity	**0.0**	101%	**663**	**664**	0.2%

"int" Indicates that interference prevents determination
"RPD" Indicates Relative Percent Difference
"CCV" Indicates Continued Calibration Verification

Acceptable RPD is determined to be less than 10%
Acceptable Recovery Limits:
CCV: 95% to 110%

Fremont Analytical

Chain of Custody Record

2930 Westlake Ave. N. Suite 100
Seattle, WA 98109
Tel: 206-352-3790
Fax: 206-352-7178

Laboratory Project No (internal): CthM1010216-8

Date: 10-26-2010

Page: 1 of: 2

Client: Floyd Snider

Address:

City, State, Zip: Seattle, WA Tel:

Project Name: Fox Avenue

Location: Fox Avenue

Collected by: Justin N., Kyle C.

Reports To (PM): Tom Colligan Fax: Email: Tom.Colligan@Floydsnider.com

Project No: NM1001003

Tom McKeon Tom.McKeon@CalibreSys.com

	Sample Name	Time	Sample Type (Matrix)	Container Type	Date of Collection	VOA 8260	VOA 8021B BTEX	NWTPH-Gx	NWTPH-HCID	NWTPH-Dx/Dx Ext.	SEMI VOL 8270C	PAH 8270	PCBs 8082	CI PESTICIDES 8081	CI HERBICIDES 8151A	Metals* Total (T) | Dissolved (D)	Anions (IC)**	Salinity				Comments/Depth
1	FAS-GP103-85	9:02	water	40ml VOA	10-26-10	X												X				85 ft depth / peristaltic
2	FAS-GP102-15	10:10				X																15 ft " / "
3	FAS-GP102-30	10:25				X																30 ft " / "
4	FAS-GP102-40	10:55				X																40 ft " / "
5	FAS-GP102-55	12:55				X																~~MSDS~~ (9 samples) MS-MSD
6	FAS-GP102-70	13:35				X																70 ft " / "
7	FAS-GP101-10	1415				X																10 ft " / "
8	FAS-GP101-30	1445				X																30 ft " / "
9	FAS-GP101-40	1505				X																40 ft " / "
10	FAS-GP101-50	15:35	"	"	"	X																50 ft " / "

*Metals Analysis (Circle): MTCA-5 RCRA-8 Priority Pollutants TAL *Individual:* Ag Al As B Ba Be Ca Cd Co Cr Cu Fe Hg K Mg Mn Mo Na Ni Pb Sb Se Sr Sn Ti Tl U V Zn

**Anions (Circle): Nitrate Nitrite Chloride Sulfate Bromide O-Phosphate Fluoride Nitrate+Nitrite

Relinquished	Date/Time	Received	Date/Time
x Kyle R Chadwick	10/26/10 16:45	x [signature]	10/26/10 16:45
x		x	

Sample Receipt:	
Good?	Y
Cooler Temperature:	7.4
Seals Intact?:	N/A
Total Number of Containers:	41

Special Remarks: CC Tom McKeon

TAT --> (24HR) 48HR Standard

Distribution: White - Lab, Yellow - File, Pink - Originator

Fremont Analytical

Chain of Custody Record

2930 Westlake Ave. N. Suite 100
Seattle, WA 98109
Tel: 206-352-3790
Fax: 206-352-7178

Laboratory Project No (internal): CHM101026-8

Date: 10-26-10

Page: 2 of: 2

Client: Floyd Snider

Address:

City, State, Zip: Seattle, WA Tel:

Project Name: ~~Fox~~ Avenue

Location: Fox Avenue

Collected by: Justin N. Kyle C.

Reports To (PM): Tom Colligan Fax: Email: tom-colligan@floydsnider.com

Project No: MM001803

	Sample Name	Time	Sample Type (Matrix)	Container Type	Date of Collection	VOA 8260	VOA 8021B BTEX	NWTPH-Gx	NWTPH-HCID	NWTPH-Dx/Dx Ext.	SEMI VOL 8270C	PAH 8270	PCBs 8082	Cl PESTICIDES 8081	Cl HERBICIDES 8151A	Metals* Total (T) | Dissolved (D)	Anions (IC)**					Comments/Depth
1	FAS-DUP2-102610	1055	water	40ml VOA	10-26-10	X																FAS-GP102-~~55~~40
2																						
3																						
4																						
5																						
6																						
7																						
8																						
9																						
10																						

*Metals Analysis (Circle): MTCA-5 RCRA-8 Priority Pollutants TAL *Individual:* Ag Al As B Ba Be Ca Cd Co Cr Cu Fe Hg K Mg Mn Mo Na Ni Pb Sb Se Sr Sn Ti Tl U V Zn

**Anions (Circle): Nitrate Nitrite Chloride Sulfate Bromide O-Phosphate Fluoride Nitrate+Nitrite

Relinquished	Date/Time	Received	Date/Time
x Kyle Rebanks	10/26/10 16:48	x [signature]	10/26/10 16:48
Relinquished	Date/Time	Received	Date/Time
x		x	

Sample Receipt:	
Good?	
Cooler Temperature:	
Seals Intact?:	
Total Number of Containers:	

Special Remarks: CC Tom McKeon

TAT --> (24HR) 48HR Standard

Distribution: White - Lab, Yellow - File, Pink - Originator

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Seattle, WA 98109
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info@fremontanalytical.com

Floyd | Snider
Attn: Tom Colligan
601 Union St. Ste. 600
Seattle, WA 98101

RE: Fox Ave.
Fremont Project No: CHM101027-4
Floyd | Snider Project No: MM001003

October 28th, 2010

Tom:

Enclosed are the analytical results for the ***Fox Ave.*** water samples delivered to Fremont Analytical on October 27th, 2010.

Sample Receipt:
The samples were received in good condition - in the proper containers, properly sealed, labeled and within holding time. The samples were contained in 21 -40mL VOAs preserved with HCl. The samples were received in a cooler with wet ice, with a cooler temperature of 4.7°C, which is within the laboratory recommended cooler temperature range (<4°C - 10°C). The samples were stored in a refrigeration unit at the USEPA-recommended temperature of 4°C ± 2°C. There were no sample receipt issues to report

Sample Analysis:
Examination of these samples was conducted for the presence of the following:

- ***Volatile Organic Compounds by EPA Method 8260***

This application was performed under Washington State Department of Ecology accreditation parameters. All appropriate Quality Assurance / Quality Control method parameters have been applied.

Laboratory Notations: The surrogate recovery for *Dibromofluoromethane* was outside of the laboratory recommended control limits on samples: *FAS-DUP3-102710* and duplicate sample *FAS-DUP3-102710 (64%, 63% respectively, range = 65%-135%). Dibromofluoromethane* was within range for all other field and laboratory samples. The *1,1-Dichloroethene Matrix Spike (MS)* recovery (Sample ID: *FAS-GP105-30*) was outside of the laboratory control limits (56%, range = 65%-135%). The *1,1-Dichloroethene Laboratory Control Sample (LCS)* spike recovery was within range.

Please contact the laboratory if you should have any questions about the results. Thank you for using Fremont Analytical!

Sincerely,

Michael Dee
Sr. Chemist / Principal
mikedee@fremontanalytical.com

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Analysis of Volatile Organic Compounds by EPA Method 8260

Project: Fox Ave.
Client: Floyd | Snider
Client Project #: MM001003
Lab Project #: CHM101027-4

EPA 8260B (µg/L)	MRL	Method Blank	LCS	FAS-GP106-30	FAS-GP106-40
Date Analyzed		10/27/10	10/27/10	10/27/10	10/27/10
Matrix				Water	Water
Dichlorodifluoromethane	1.0	nd		nd	nd
Chloromethane	1.0	nd		nd	nd
Vinyl chloride *	0.2	nd		nd	nd
Chloroethane	1.0	nd		nd	nd
Trichlorofluoromethane	1.0	nd		nd	nd
1,1-Dichloroethene	1.0	nd	70%	nd	nd
Methylene chloride	1.0	nd		nd	nd
trans-1,2-Dichloroethene	1.0	nd		nd	nd
1,1-Dichloroethane	1.0	nd		nd	nd
2,2-Dichloropropane	2.0	nd		nd	nd
cis-1,2-Dichloroethene	1.0	nd		**4.6**	nd
Chloroform	1.0	nd		nd	nd
1,1-Dichloropropene	1.0	nd		nd	nd
Carbon tetrachloride	1.0	nd		nd	nd
1,1,1-Trichloroethane (TCA)	1.0	nd		nd	nd
Benzene	1.0	nd	81%	nd	nd
1,2-Dichloroethane (EDC)	1.0	nd		nd	nd
Trichloroethene (TCE)	1.0	nd	91%	nd	nd
1,2-Dichloropropane	1.0	nd		nd	nd
Bromodichloromethane	1.0	nd		nd	nd
cis-1,3-Dichloropropene	1.0	nd		nd	nd
Toluene	1.0	nd	81%	nd	nd
Trans-1,3-Dichloropropene	1.0	nd		nd	nd
1,1,2-Trichloroethane	1.0	nd		nd	nd
Tetrachloroethene (PCE)	1.0	nd		nd	nd

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"J" Indicates estimated value
"MRL" Indicates Method Reporting Limit
"LCS" Indicates Laboratory Control Sample
"MS" Indicates Matrix Spike
"RPD" Indicates Relative Percent Difference

Acceptable RPD is determined to be less than 30%
Acceptable Recovery Limits:
Surrogate = 65% to 135%
LCS, MS= 65% to 135%
Surrogates and Spike Concentration = 10 µg/L

2930 Westlake Ave. N., Suite 100
Seattle, WA 98109

T: 206.352.3790
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email: info@fremontanalytical.com

Analysis of Volatile Organic Compounds by EPA Method 8260

Project: Fox Ave.
Client: Floyd | Snider
Client Project #: MM001003
Lab Project #: CHM101027-4

EPA 8260B (µg/L)	MRL	Method Blank	LCS	FAS-GP106-30	FAS-GP106-40
Date Analyzed		10/27/10	10/27/10	10/27/10	10/27/10
Matrix				Water	Water
Dichlorodifluoromethane	1.0	nd		nd	nd
Chloromethane	1.0	nd		nd	nd
1,3-Dichloropropane	1.0	nd		nd	nd
Dibromochloromethane	1.0	nd		nd	nd
Chlorobenzene	1.0	nd	86%	nd	nd
1,1,1,2-Tetrachloroethane	1.0	nd		nd	nd
Ethylbenzene	1.0	nd		nd	nd
Total Xylenes	1.0	nd		nd	nd
1,2,3-Trichloropropane	1.0	nd		nd	nd
1,1,2,2-Tetrachloroethane	1.0	nd		nd	nd
2-Chlorotoluene	1.0	nd		nd	nd
4-Chlorotoluene	1.0	nd		nd	nd
1,3-Dichlorobenzene	1.0	nd		nd	nd
1,4-Dichlorobenzene	1.0	nd		nd	nd
1,2-Dichlorobenzene	1.0	nd		nd	nd
1,2-Dibromo-3-Chloropropane	1.0	nd		nd	nd
1,2,4-Trichlorobenzene	2.0	nd		nd	nd
Hexachloro-1,3-butadiene	4.0	nd		nd	nd
1,2,3-Trichlorobenzene	4.0	nd		nd	nd
Surrogate Recovery					
Dibromofluoromethane		86%	87%	85%	85%
Toluene-d8		101%	102%	101%	102%
1-Bromo-4-fluorobenzene		92%	100%	104%	105%

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LCS, MS= 65% to 135%
Surrogates and Spike Concentration = 10 µg/L

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Analysis of Volatile Organic Compounds by EPA Method 8260

Project: Fox Ave.
Client: Floyd | Snider
Client Project #: MM001003
Lab Project #: CHM101027-4

EPA 8260B (µg/L)	MRL	FAS-GP106-50	FAS-GP106-60	FAS-GP105-15	FAS-GP105-30
Date Analyzed		10/27/10	10/27/10	10/27/10	10/27/10
Matrix		Water	Water	Water	Water
Dichlorodifluoromethane	1.0	nd	nd	nd	nd
Chloromethane	1.0	nd	nd	nd	nd
Vinyl chloride *	0.2	nd	nd	**46**	**73**
Chloroethane	1.0	nd	nd	nd	nd
Trichlorofluoromethane	1.0	nd	nd	nd	nd
1,1-Dichloroethene	1.0	nd	nd	**6.0**	**1.8**
Methylene chloride	1.0	nd	nd	nd	nd
trans-1,2-Dichloroethene	1.0	nd	nd	**3.8**	**2.4**
1,1-Dichloroethane	1.0	nd	nd	nd	nd
2,2-Dichloropropane	2.0	nd	nd	nd	nd
cis-1,2-Dichloroethene	1.0	nd	nd	**200**	**400**
Chloroform	1.0	nd	nd	nd	nd
1,1-Dichloropropene	1.0	nd	nd	nd	nd
Carbon tetrachloride	1.0	nd	nd	nd	nd
1,1,1-Trichloroethane (TCA)	1.0	nd	nd	nd	nd
Benzene	1.0	nd	nd	nd	nd
1,2-Dichloroethane (EDC)	1.0	nd	nd	nd	**0.93 *J***
Trichloroethene (TCE)	1.0	nd	nd	**77**	**0.36 *J***
1,2-Dichloropropane	1.0	nd	nd	nd	nd
Bromodichloromethane	1.0	nd	nd	nd	nd
cis-1,3-Dichloropropene	1.0	nd	nd	nd	nd
Toluene	1.0	nd	nd	nd	nd
Trans-1,3-Dichloropropene	1.0	nd	nd	nd	nd
1,1,2-Trichloroethane	1.0	nd	nd	nd	nd
Tetrachloroethene (PCE)	1.0	nd	nd	**140**	nd

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LCS, MS= 65% to 135%
Surrogates and Spike Concentration = 10 µg/L

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Analysis of Volatile Organic Compounds by EPA Method 8260

Project: Fox Ave.
Client: Floyd | Snider
Client Project #: MM001003
Lab Project #: CHM101027-4

EPA 8260B (µg/L)	MRL	FAS-GP106-50	FAS-GP106-60	FAS-GP105-15	FAS-GP105-30
Date Analyzed		10/27/10	10/27/10	10/27/10	10/27/10
Matrix		Water	Water	Water	Water
Dichlorodifluoromethane	1.0	nd	nd	nd	nd
Chloromethane	1.0	nd	nd	nd	nd
1,3-Dichloropropane	1.0	nd	nd	nd	nd
Dibromochloromethane	1.0	nd	nd	nd	nd
Chlorobenzene	1.0	nd	nd	nd	nd
1,1,1,2-Tetrachloroethane	1.0	nd	nd	nd	nd
Ethylbenzene	1.0	nd	nd	nd	nd
Total Xylenes	1.0	nd	nd	nd	nd
1,2,3-Trichloropropane	1.0	nd	nd	nd	nd
1,1,2,2-Tetrachloroethane	1.0	nd	nd	nd	nd
2-Chlorotoluene	1.0	nd	nd	nd	nd
4-Chlorotoluene	1.0	nd	nd	nd	nd
1,3-Dichlorobenzene	1.0	nd	nd	nd	nd
1,4-Dichlorobenzene	1.0	nd	nd	nd	nd
1,2-Dichlorobenzene	1.0	nd	nd	nd	nd
1,2-Dibromo-3-Chloropropane	1.0	nd	nd	nd	nd
1,2,4-Trichlorobenzene	2.0	nd	nd	nd	nd
Hexachloro-1,3-butadiene	4.0	nd	nd	nd	nd
1,2,3-Trichlorobenzene	4.0	nd	nd	nd	nd
Surrogate Recovery					
Dibromofluoromethane		87%	85%	71%	68%
Toluene-d8		101%	101%	100%	102%
1-Bromo-4-fluorobenzene		104%	103%	102%	103%

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Analysis of Volatile Organic Compounds by EPA Method 8260

Project: Fox Ave.
Client: Floyd | Snider
Client Project #: MM001003
Lab Project #: CHM101027-4

			Duplicate		MS
EPA 8260B (µg/L)	**MRL**	**FAS-DUP3-102710**	**FAS-DUP3-102710**	**RPD %**	**FAS-GP105-30**
Date Analyzed		10/28/10	10/28/10		10/27/10
Matrix		Water	Water		Water
Dichlorodifluoromethane	1.0	nd	nd		
Chloromethane	1.0	nd	nd		
Vinyl chloride *	0.2	**66**	**71**	6%	
Chloroethane	1.0	nd	nd		
Trichlorofluoromethane	1.0	nd	nd		
1,1-Dichloroethene	1.0	**1.8**	**1.8**	1%	56%
Methylene chloride	1.0	nd	nd		
trans-1,2-Dichloroethene	1.0	**2.0**	**2.1**	1%	
1,1-Dichloroethane	1.0	nd	nd		
2,2-Dichloropropane	2.0	nd	nd		
cis-1,2-Dichloroethene	1.0	**390**	**400**	3%	
Chloroform	1.0	nd	nd		
1,1-Dichloropropene	1.0	nd	nd		
Carbon tetrachloride	1.0	nd	nd		
1,1,1-Trichloroethane (TCA)	1.0	nd	nd		
Benzene	1.0	nd	nd		81%
1,2-Dichloroethane (EDC)	1.0	**0.91 *J***	**0.89 *J***	2%	
Trichloroethene (TCE)	1.0	**0.30 *J***	**0.31 *J***	3%	74%
1,2-Dichloropropane	1.0	nd	nd		
Bromodichloromethane	1.0	nd	nd		
cis-1,3-Dichloropropene	1.0	nd	nd		
Toluene	1.0	nd	nd		79%
Trans-1,3-Dichloropropene	1.0	nd	nd		
1,1,2-Trichloroethane	1.0	nd	nd		
Tetrachloroethene (PCE)	1.0	nd	nd		

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Analysis of Volatile Organic Compounds by EPA Method 8260

Project: Fox Ave.
Client: Floyd | Snider
Client Project #: MM001003
Lab Project #: CHM101027-4

			Duplicate		MS
EPA 8260B (µg/L)	**MRL**	**FAS-DUP3-102710**	**FAS-DUP3-102710**	**RPD %**	**FAS-GP105-30**
Date Analyzed		10/28/10	10/28/10		10/27/10
Matrix		Water	Water		Water
Dichlorodifluoromethane	1.0	nd	nd		
Chloromethane	1.0	nd	nd		
1,3-Dichloropropane	1.0	nd	nd		
Dibromochloromethane	1.0	nd	nd		
Chlorobenzene	1.0	nd	nd		86%
1,1,1,2-Tetrachloroethane	1.0	nd	nd		
Ethylbenzene	1.0	nd	nd		
Total Xylenes	1.0	nd	nd		
1,2,3-Trichloropropane	1.0	nd	nd		
1,1,2,2-Tetrachloroethane	1.0	nd	nd		
2-Chlorotoluene	1.0	nd	nd		
4-Chlorotoluene	1.0	nd	nd		
1,3-Dichlorobenzene	1.0	nd	nd		
1,4-Dichlorobenzene	1.0	nd	nd		
1,2-Dichlorobenzene	1.0	nd	nd		
1,2-Dibromo-3-Chloropropane	1.0	nd	nd		
1,2,4-Trichlorobenzene	2.0	nd	nd		
Hexachloro-1,3-butadiene	4.0	nd	nd		
1,2,3-Trichlorobenzene	4.0	nd	nd		
Surrogate Recovery					
Dibromofluoromethane		64%	63%		65%
Toluene-d8		100%	99%		103%
1-Bromo-4-fluorobenzene		103%	102%		104%

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LCS, MS= 65% to 135%
Surrogates and Spike Concentration = 10 µg/L

Fremont Analytical

Chain of Custody Record

2930 Westlake Ave. N. Suite 100
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Tel: 206-352-3790
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Laboratory Project No (internal): CHM101027-4

Date: 10-27-10

Page: 1 of: 1

Client: Floyd Snider

Address:

City, State, Zip: Seattle, WA Tel:

Project Name: Fox Avenue

Location: Fox Avenue

Collected by: Justin N., Kyle C.

Reports To (PM): Tom Colligan Fax: Email: tom.colligan@FloydSnider.com Project No: MM001003

	Sample Name	Time	Sample Type (Matrix)	Container Type	Date of Collection	VOA 8260	VOA 8021B BTEX	NWTPH-Gx	NWTPH-HCID	NWTPH-Dx/Dx Ext.	SEMI VOL 8270C	PAH 8270	PCBs 8082	Cl PESTICIDES 8081	Cl HERBICIDES 8151A	Metals* Total (T) | Dissolved (D)	Anions (IC)**					Comments/Depth
1	FAS-GP106-30	830	water	VOA	10/27/10	X																30ft depth/peristaltic
2	FAS-GP106-40	900				X																40ft " / "
3	FAS-GP106-50	920				X																50ft " / "
4	FAS-GP106-60	950				X																60ft " / "
5	FAS-GP105-15	1030				X																15ft " / "
6	FAS-GP105-30	1055				X																30ft " / "
7	FAS-DUP3-102710	700				X																FAS-GP105-30
8																						
9																						
10																						

*Metals Analysis (Circle): MTCA-5 RCRA-8 Priority Pollutants TAL *Individual:* Ag Al As B Ba Be Ca Cd Co Cr Cu Fe Hg K Mg Mn Mo Na Ni Pb Sb Se Sr Sn Ti Tl U V Zn

**Anions (Circle): Nitrate Nitrite Chloride Sulfate Bromide O-Phosphate Fluoride Nitrate+Nitrite

Relinquished	Date/Time	Received	Date/Time
x Kyle R Charlton	10/27/10 12:11	x	10/27/10 1211
x		x	

Sample Receipt:	
Good?	Y
Cooler Temperature:	4.7
Seals Intact?:	N/A
Total Number of Containers:	21

Special Remarks: CC results to Tom McKeon

TAT --> (24HR) 48HR Standard

Distribution: White - Lab, Yellow - File, Pink - Originator

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info@fremontanalytical.com

Floyd | Snider
Attn: Tom Colligan
601 Union St. Ste. 600
Seattle, WA 98101

RE: Fox Ave.
Fremont Project No: CHM101027-6
Floyd | Snider Project No: Fox-Ave RA Task 1

October 28th, 2010

Tom:

Enclosed are the analytical results for the ***Fox Ave.*** soil samples delivered to Fremont Analytical on October 27th, 2010.

Sample Receipt: The samples were received in - in the proper containers, properly sealed, labeled and within holding time. The samples were contained in 15 - 4oz sample containers. The samples were stored in a refrigeration unit at the USEPA-recommended temperature of 4°C ± 2°C.

Sample Analysis: Examination of these samples was conducted for the presence of the following:

- ***Volatile Organic Compounds by EPA Method 8260***

This application was performed under Washington State Department of Ecology accreditation parameters. All appropriate Quality Assurance / Quality Control method parameters have been applied.

Laboratory Notations:

- The *1,1-Dichloroethene* spike recovery for the *Laboratory Control Sample (LCS)* was outside of the laboratory recommended control limits (53%, range = 65%-135%). The *1,1-Dichloroethene* spike recovery for the *Matrix Spike (MS)* was within range (68%).
- Matrix: The *relative percent difference (RPD%)* between the sample and sample duplicate (Sample ID: *GP-92A-38.0-38.2*) was outside of the laboratory recommended control limit for *trans-1,2-Dichloroethene* (59%, limit = 30%) and *cis-1,2-Dichloroethene (108%).* The *Vinyl chloride RPD%* was within range.
- Surrogate – Dibromofluoromethane: The surrogate recovery for *Dibromofluoromethane* was outside of the laboratory control limits for the following samples: *GP-92A-38.0-38.2* (duplicate) (51%), *GP-92A-57.0-57.2* (44%) and *GP-92B-2.8-3.0* (61%) – Range = 65%-135%. All other field and laboratory samples were within range.

Please contact the laboratory if you should have any questions about the results. Thank you for using Fremont Analytical!

Sincerely,

Michael Dee
Sr. Chemist / Principal
mikedee@fremontanalytical.com

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Analysis of Volatile Organic Compounds by EPA Method 8260

Project: Fox Ave.
Client: Floyd | Snider
Client Project #: Fox-Ave RA Task 1
Lab Project #: CHM101027-6

EPA 8260B (mg/kg)	MRL	Method Blank	LCS	GP-92A-38.0-38.2	Duplicate GP-92A-38.0-38.2	RPD %
Date Analyzed		10/28/10	10/28/10	10/28/10	10/28/10	
Matrix				Soil	Soil	
Dichlorodifluoromethane	0.06	nd		nd	nd	
Chloromethane	0.06	nd		nd	nd	
Vinyl chloride *	0.002	nd		**0.47**	**0.39**	20%
Bromomethane	0.09	nd		nd	nd	
Chloroethane	0.06	nd		nd	nd	
Trichlorofluoromethane	0.05	nd		nd	nd	
1,1-Dichloroethene	0.05	nd	53%	nd	nd	
Methylene chloride	0.02	nd		nd	nd	
trans-1,2-Dichloroethene	0.02	nd		**0.15**	**0.08**	59%
1,1-Dichloroethane	0.02	nd		nd	nd	
2,2-Dichloropropane	0.05	nd		nd	nd	
cis-1,2-Dichloroethene	0.02	nd		**7.3**	**2.2**	108%
Chloroform	0.02	nd		nd	nd	
1,1-Dichloropropene	0.02	nd		nd	nd	
Carbon tetrachloride	0.02	nd		nd	nd	
1,1,1-Trichloroethane (TCA)	0.02	nd		nd	nd	
Benzene	0.02	nd	79%	nd	nd	
1,2-Dichloroethane (EDC)	0.03	nd		nd	nd	
Trichloroethene (TCE)	0.03	nd	77%	nd	nd	
1,2-Dichloropropane	0.02	nd		nd	nd	

"nd" Indicates not detected at listed reporting limits
"int" Indicates that interference prevents determination
* Instrument Detection Limit
"J" Indicates estimated value
"MRL" Indicates Method Reporting Limit
"LCS" Indicates Laboratory Control Sample
"MS" Indicates Matrix Spike
"MSD" Indicates Matrix Spike Duplicate
"RPD" Indicates Relative Percent Difference

Acceptable RPD is determined to be less than 30%
Acceptable Recovery Limits:
Surrogate = 65% to 135%
LCS, LCSD, MS, MSD = 65% to 135%
Surrogates and Spike Concentration = 0.5 mg/kg

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Analysis of Volatile Organic Compounds by EPA Method 8260

Project: Fox Ave.
Client: Floyd | Snider
Client Project #: Fox-Ave RA Task 1
Lab Project #: CHM101027-6

EPA 8260B (mg/kg)	MRL	Method Blank	LCS	GP-92A-38.0-38.2	Duplicate GP-92A-38.0-38.2	RPD %
Date Analyzed		10/28/10	10/28/10	10/28/10	10/28/10	
Matrix				Soil	Soil	
Dichlorodifluoromethane	0.06	nd		nd	nd	
Chloromethane	0.06	nd		nd	nd	
Dibromomethane	0.04	nd		nd	nd	
Bromodichloromethane	0.02	nd		nd	nd	
cis-1,3-Dichloropropene	0.02	nd		nd	nd	
Toluene	0.02	nd	76%	nd	nd	
Trans-1,3-Dichloropropene	0.03	nd		nd	nd	
1,1,2-Trichloroethane	0.03	nd		nd	nd	
Tetrachloroethene (PCE)	0.02	nd		nd	nd	
1,3-Dichloropropane	0.05	nd		nd	nd	
Dibromochloromethane	0.03	nd		nd	nd	
1,2-Dibromoethane (EDB) *	0.005	nd		nd	nd	
Chlorobenzene	0.02	nd	76%	nd	nd	
1,1,1,2-Tetrachloroethane	0.03	nd		nd	nd	
Ethylbenzene	0.03	nd		nd	nd	
Total Xylenes	0.03	nd		nd	nd	
Styrenes	0.02	nd		nd	nd	
Bromoform	0.02	nd		nd	nd	
Isopropylbenzene	0.08	nd		nd	nd	
1,2,3-Trichloropropane	0.02	nd		nd	nd	
Bromobenzene	0.03	nd		nd	nd	
1,1,2,2-Tetrachloroethane	0.02	nd		nd	nd	

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"MSD" Indicates Matrix Spike Duplicate
"RPD" Indicates Relative Percent Difference

Acceptable RPD is determined to be less than 30%
Acceptable Recovery Limits:
Surrogate = 65% to 135%
LCS, LCSD, MS, MSD = 65% to 135%
Surrogates and Spike Concentration = 0.5 mg/kg

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Analysis of Volatile Organic Compounds by EPA Method 8260

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Client: Floyd | Snider
Client Project #: Fox-Ave RA Task 1
Lab Project #: CHM101027-6

EPA 8260B (mg/kg)	MRL	Method Blank	LCS	GP-92A-38.0-38.2	Duplicate GP-92A-38.0-38.2	RPD %
Date Analyzed		10/28/10	10/28/10	10/28/10	10/28/10	
Matrix				Soil	Soil	
Dichlorodifluoromethane	0.06	nd		nd	nd	
Chloromethane	0.06	nd		nd	nd	
n-Propylbenzene	0.02	nd		nd	nd	
2-Chlorotoluene	0.02	nd		nd	nd	
4-Chlorotoluene	0.02	nd		nd	nd	
1,3,5-Trimethylbenzene	0.02	nd		nd	nd	
tert-Butylbenzene	0.02	nd		nd	nd	
1,2,4-Trimethylbenzene	0.02	nd		nd	nd	
sec-Butylbenzene	0.02	nd		nd	nd	
1,3-Dichlorobenzene	0.02	nd		nd	nd	
4-Isopropyltoluene	0.02	nd		nd	nd	
1,4-Dichlorobenzene	0.02	nd		nd	nd	
1,2-Dichlorobenzene	0.02	nd		nd	nd	
n-Butylbenzene	0.02	nd		nd	nd	
1,2-Dibromo-3-Chloropropane	0.03	nd		nd	nd	
1,2,4-Trichlorobenzene	0.05	nd		nd	nd	
Hexachloro-1,3-butadiene	0.10	nd		nd	nd	
Naphthalene	0.03	nd		nd	nd	
1,2,3-Trichlorobenzene	1.0	nd		nd	nd	
Surrogate Recovery						
Dibromofluoromethane		83%	86%	88%	51%	
Toluene-d8		100%	111%	97%	99%	
1-Bromo-4-fluorobenzene		103%	102%	102%	88%	

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"LCS" Indicates Laboratory Control Sample
"MS" Indicates Matrix Spike
"MSD" Indicates Matrix Spike Duplicate
"RPD" Indicates Relative Percent Difference

Acceptable RPD is determined to be less than 30%
Acceptable Recovery Limits:
Surrogate = 65% to 135%
LCS, LCSD, MS, MSD = 65% to 135%
Surrogates and Spike Concentration = 0.5 mg/kg

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Analysis of Volatile Organic Compounds by EPA Method 8260

Project: Fox Ave.
Client: Floyd | Snider
Client Project #: Fox-Ave RA Task 1
Lab Project #: CHM101027-6

EPA 8260B (mg/kg)	MRL	GP-92A-41.0-41.2	GP-92A-48.0-48.2	GP-92A-57.0-57.2
Date Analyzed		10/28/10	10/12/10	10/28/10
Matrix		Soil	Soil	Soil
Dichlorodifluoromethane	0.06	nd	nd	nd
Chloromethane	0.06	nd	nd	nd
Vinyl chloride *	0.002	**0.61**	nd	**0.13**
Bromomethane	0.09	nd	nd	nd
Chloroethane	0.06	nd	nd	nd
Trichlorofluoromethane	0.05	nd	nd	nd
1,1-Dichloroethene	0.05	nd	nd	nd
Methylene chloride	0.02	nd	nd	nd
trans-1,2-Dichloroethene	0.02	**0.02**	nd	**0.05**
1,1-Dichloroethane	0.02	nd	nd	nd
2,2-Dichloropropane	0.05	nd	nd	nd
cis-1,2-Dichloroethene	0.02	**0.51**	**0.01 *J***	**2.8**
Chloroform	0.02	nd	nd	nd
1,1-Dichloropropene	0.02	nd	nd	nd
Carbon tetrachloride	0.02	nd	nd	nd
1,1,1-Trichloroethane (TCA)	0.02	nd	nd	nd
Benzene	0.02	nd	nd	nd
1,2-Dichloroethane (EDC)	0.03	nd	nd	nd
Trichloroethene (TCE)	0.03	nd	**0.02**	nd
1,2-Dichloropropane	0.02	nd	nd	nd

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Project: Fox Ave.
Client: Floyd | Snider
Client Project #: Fox-Ave RA Task 1
Lab Project #: CHM101027-6

EPA 8260B (mg/kg)	MRL	GP-92A-41.0-41.2	GP-92A-48.0-48.2	GP-92A-57.0-57.2
Date Analyzed		10/28/10	10/12/10	10/28/10
Matrix		Soil	Soil	Soil
Dichlorodifluoromethane	0.06	nd	nd	nd
Chloromethane	0.06	nd	nd	nd
Dibromomethane	0.04	nd	nd	nd
Bromodichloromethane	0.02	nd	nd	nd
cis-1,3-Dichloropropene	0.02	nd	nd	nd
Toluene	0.02	nd	nd	nd
Trans-1,3-Dichloropropene	0.03	nd	nd	nd
1,1,2-Trichloroethane	0.03	nd	nd	nd
Tetrachloroethene (PCE)	0.02	nd	**0.01 *J***	nd
1,3-Dichloropropane	0.05	nd	nd	nd
Dibromochloromethane	0.03	nd	nd	nd
1,2-Dibromoethane (EDB) *	0.005	nd	nd	nd
Chlorobenzene	0.02	nd	nd	nd
1,1,1,2-Tetrachloroethane	0.03	nd	nd	nd
Ethylbenzene	0.03	nd	nd	**0.23**
Total Xylenes	0.03	nd	nd	**0.02 *J***
Styrenes	0.02	nd	nd	nd
Bromoform	0.02	nd	nd	nd
Isopropylbenzene	0.08	nd	nd	nd
1,2,3-Trichloropropane	0.02	nd	nd	nd
Bromobenzene	0.03	nd	nd	nd
1,1,2,2-Tetrachloroethane	0.02	nd	nd	nd

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EPA 8260B (mg/kg)	MRL	GP-92A-41.0-41.2	GP-92A-48.0-48.2	GP-92A-57.0-57.2
Date Analyzed		10/28/10	10/12/10	10/28/10
Matrix		Soil	Soil	Soil
Dichlorodifluoromethane	0.06	nd	nd	nd
Chloromethane	0.06	nd	nd	nd
n-Propylbenzene	0.02	nd	**0.04**	**0.03**
2-Chlorotoluene	0.02	nd	**0.02**	nd
4-Chlorotoluene	0.02	nd	nd	nd
1,3,5-Trimethylbenzene	0.02	nd	nd	**0.03**
tert-Butylbenzene	0.02	nd	nd	nd
1,2,4-Trimethylbenzene	0.02	nd	**0.05**	**0.19**
sec-Butylbenzene	0.02	nd	nd	nd
1,3-Dichlorobenzene	0.02	nd	nd	nd
4-Isopropyltoluene	0.02	nd	nd	nd
1,4-Dichlorobenzene	0.02	nd	nd	nd
1,2-Dichlorobenzene	0.02	nd	nd	**0.04**
n-Butylbenzene	0.02	nd	**0.38**	nd
1,2-Dibromo-3-Chloropropane	0.03	nd	nd	nd
1,2,4-Trichlorobenzene	0.05	nd	nd	nd
Hexachloro-1,3-butadiene	0.10	nd	nd	nd
Naphthalene	0.03	nd	nd	nd
1,2,3-Trichlorobenzene	1.0	nd	nd	nd
Surrogate Recovery				
Dibromofluoromethane		80%	94%	44%
Toluene-d8		99%	119%	101%
1-Bromo-4-fluorobenzene		90%	127%	95%

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Project: Fox Ave.
Client: Floyd | Snider
Client Project #: Fox-Ave RA Task 1
Lab Project #: CHM101027-6

EPA 8260B (mg/kg)	MRL	GP-93-7.5-8.0	GP-93-42.0-42.2	GP-93-47.0-47.5	GP-92B-2.8-3.0
Date Analyzed		10/28/10	10/28/10	10/28/10	10/28/10
Matrix		Soil	Soil	Soil	Soil
Dichlorodifluoromethane	0.06	nd	nd	nd	nd
Chloromethane	0.06	nd	nd	nd	nd
Vinyl chloride *	0.002	**0.001 *J***	**0.007**	nd	**0.008**
Bromomethane	0.09	nd	nd	nd	nd
Chloroethane	0.06	nd	nd	nd	nd
Trichlorofluoromethane	0.05	nd	nd	nd	nd
1,1-Dichloroethene	0.05	nd	nd	nd	nd
Methylene chloride	0.02	nd	nd	nd	nd
trans-1,2-Dichloroethene	0.02	nd	nd	nd	**0.10**
1,1-Dichloroethane	0.02	nd	nd	nd	nd
2,2-Dichloropropane	0.05	nd	nd	nd	nd
cis-1,2-Dichloroethene	0.02	**0.04**	nd	nd	**3.1**
Chloroform	0.02	nd	nd	nd	nd
1,1-Dichloropropene	0.02	nd	nd	nd	nd
Carbon tetrachloride	0.02	nd	nd	nd	nd
1,1,1-Trichloroethane (TCA)	0.02	nd	nd	nd	nd
Benzene	0.02	nd	nd	nd	**0.09**
1,2-Dichloroethane (EDC)	0.03	nd	nd	nd	nd
Trichloroethene (TCE)	0.03	**0.03**	nd	nd	**4.8**
1,2-Dichloropropane	0.02	nd	nd	nd	nd

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Analysis of Volatile Organic Compounds by EPA Method 8260

Project: Fox Ave.
Client: Floyd | Snider
Client Project #: Fox-Ave RA Task 1
Lab Project #: CHM101027-6

EPA 8260B (mg/kg)	MRL	GP-93-7.5-8.0	GP-93-42.0-42.2	GP-93-47.0-47.5	GP-92B-2.8-3.0
Date Analyzed		10/28/10	10/28/10	10/28/10	10/28/10
Matrix		Soil	Soil	Soil	Soil
Dichlorodifluoromethane	0.06	nd	nd	nd	nd
Chloromethane	0.06	nd	nd	nd	nd
Dibromomethane	0.04	nd	nd	nd	nd
Bromodichloromethane	0.02	nd	nd	nd	nd
cis-1,3-Dichloropropene	0.02	nd	nd	nd	nd
Toluene	0.02	nd	nd	nd	**0.21**
Trans-1,3-Dichloropropene	0.03	nd	nd	nd	nd
1,1,2-Trichloroethane	0.03	nd	nd	nd	nd
Tetrachloroethene (PCE)	0.02	**0.11**	nd	nd	**1.8**
1,3-Dichloropropane	0.05	nd	nd	nd	nd
Dibromochloromethane	0.03	nd	nd	nd	nd
1,2-Dibromoethane (EDB) *	0.005	nd	nd	nd	nd
Chlorobenzene	0.02	nd	nd	nd	nd
1,1,1,2-Tetrachloroethane	0.03	nd	nd	nd	nd
Ethylbenzene	0.03	nd	nd	nd	**0.05**
Total Xylenes	0.03	nd	nd	nd	**0.15**
Styrenes	0.02	nd	nd	nd	nd
Bromoform	0.02	nd	nd	nd	nd
Isopropylbenzene	0.08	nd	nd	nd	nd
1,2,3-Trichloropropane	0.02	nd	nd	nd	nd
Bromobenzene	0.03	nd	nd	nd	nd
1,1,2,2-Tetrachloroethane	0.02	nd	nd	nd	nd

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EPA 8260B (mg/kg)	MRL	GP-93-7.5-8.0	GP-93-42.0-42.2	GP-93-47.0-47.5	GP-92B-2.8-3.0
Date Analyzed		10/28/10	10/28/10	10/28/10	10/28/10
Matrix		Soil	Soil	Soil	Soil
Dichlorodifluoromethane	0.06	nd	nd	nd	nd
Chloromethane	0.06	nd	nd	nd	nd
n-Propylbenzene	0.02	nd	nd	nd	nd
2-Chlorotoluene	0.02	nd	nd	nd	nd
4-Chlorotoluene	0.02	nd	nd	nd	nd
1,3,5-Trimethylbenzene	0.02	nd	nd	nd	nd
tert-Butylbenzene	0.02	nd	nd	nd	nd
1,2,4-Trimethylbenzene	0.02	nd	nd	nd	nd
sec-Butylbenzene	0.02	nd	nd	nd	nd
1,3-Dichlorobenzene	0.02	nd	nd	nd	nd
4-Isopropyltoluene	0.02	nd	nd	nd	nd
1,4-Dichlorobenzene	0.02	nd	nd	nd	**0.01 *J***
1,2-Dichlorobenzene	0.02	nd	nd	nd	**0.02**
n-Butylbenzene	0.02	nd	nd	nd	nd
1,2-Dibromo-3-Chloropropane	0.03	nd	nd	nd	nd
1,2,4-Trichlorobenzene	0.05	nd	nd	nd	nd
Hexachloro-1,3-butadiene	0.10	nd	nd	nd	nd
Naphthalene	0.03	nd	nd	nd	nd
1,2,3-Trichlorobenzene	1.0	nd	nd	nd	nd
Surrogate Recovery					
Dibromofluoromethane		83%	91%	89%	61%
Toluene-d8		104%	102%	100%	97%
1-Bromo-4-fluorobenzene		103%	91%	94%	83%

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Project: Fox Ave.
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Client Project #: Fox-Ave RA Task 1
Lab Project #: CHM101027-6

EPA 8260B (mg/kg)	MRL	GP-92B-17.0-17.5	MS GP-93-42.0-42.2
Date Analyzed		10/28/10	10/28/10
Matrix		Soil	Soil
Dichlorodifluoromethane	0.06	nd	
Chloromethane	0.06	nd	
Vinyl chloride *	0.002	**0.004**	
Bromomethane	0.09	nd	
Chloroethane	0.06	nd	
Trichlorofluoromethane	0.05	nd	
1,1-Dichloroethene	0.05	nd	68%
Methylene chloride	0.02	nd	
trans-1,2-Dichloroethene	0.02	nd	
1,1-Dichloroethane	0.02	nd	
2,2-Dichloropropane	0.05	nd	
cis-1,2-Dichloroethene	0.02	nd	
Chloroform	0.02	nd	
1,1-Dichloropropene	0.02	nd	
Carbon tetrachloride	0.02	nd	
1,1,1-Trichloroethane (TCA)	0.02	nd	
Benzene	0.02	**0.01 *J***	79%
1,2-Dichloroethane (EDC)	0.03	nd	
Trichloroethene (TCE)	0.03	nd	71%
1,2-Dichloropropane	0.02	nd	

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Client Project #: Fox-Ave RA Task 1
Lab Project #: CHM101027-6

EPA 8260B (mg/kg)	MRL	GP-92B-17.0-17.5	MS GP-93-42.0-42.2
Date Analyzed		10/28/10	10/28/10
Matrix		Soil	Soil
Dichlorodifluoromethane	0.06	nd	
Chloromethane	0.06	nd	
Dibromomethane	0.04	nd	
Bromodichloromethane	0.02	nd	
cis-1,3-Dichloropropene	0.02	nd	
Toluene	0.02	nd	77%
Trans-1,3-Dichloropropene	0.03	nd	
1,1,2-Trichloroethane	0.03	nd	
Tetrachloroethene (PCE)	0.02	nd	
1,3-Dichloropropane	0.05	nd	
Dibromochloromethane	0.03	nd	
1,2-Dibromoethane (EDB) *	0.005	nd	
Chlorobenzene	0.02	**0.10**	81%
1,1,1,2-Tetrachloroethane	0.03	nd	
Ethylbenzene	0.03	nd	
Total Xylenes	0.03	nd	
Styrenes	0.02	nd	
Bromoform	0.02	nd	
Isopropylbenzene	0.08	nd	
1,2,3-Trichloropropane	0.02	nd	
Bromobenzene	0.03	nd	
1,1,2,2-Tetrachloroethane	0.02	nd	

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EPA 8260B (mg/kg)	MRL	GP-92B-17.0-17.5	MS GP-93-42.0-42.2
Date Analyzed		10/28/10	10/28/10
Matrix		Soil	Soil
Dichlorodifluoromethane	0.06	nd	
Chloromethane	0.06	nd	
n-Propylbenzene	0.02	nd	
2-Chlorotoluene	0.02	0.0	
4-Chlorotoluene	0.02	nd	
1,3,5-Trimethylbenzene	0.02	nd	
tert-Butylbenzene	0.02	nd	
1,2,4-Trimethylbenzene	0.02	nd	
sec-Butylbenzene	0.02	nd	
1,3-Dichlorobenzene	0.02	**0.04**	
4-Isopropyltoluene	0.02	nd	
1,4-Dichlorobenzene	0.02	**0.17**	
1,2-Dichlorobenzene	0.02	**0.28**	
n-Butylbenzene	0.02	nd	
1,2-Dibromo-3-Chloropropane	0.03	nd	
1,2,4-Trichlorobenzene	0.05	nd	
Hexachloro-1,3-butadiene	0.10	nd	
Naphthalene	0.03	nd	
1,2,3-Trichlorobenzene	1.0	nd	
Surrogate Recovery			
Dibromofluoromethane		90%	80%
Toluene-d8		101%	103%
1-Bromo-4-fluorobenzene		95%	104%

"nd" Indicates not detected at listed reporting limits
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Chain of Custody Record

Fremont Analytical

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Fax: 206-352-7178

Laboratory Project No (internal): CHM101027-16

Date: 10/27/10

Page: 1 of: 2

Client: Floyd/Snider
Address: 601 Union Street
City, State, Zip: Seattle, WA 98101
Tel: 206-292-2078
Reports To (PM): Tom Colligan
Fax: 206-682-7867
Email:

Project Name: Fox Avenue
Location: Fox Avenue
Collected by: Erin Murray/Emily Santee
Project No: FOX AVE RA TASK 2

Sample Name	Time	Sample Type (Matrix)	Container Type	Date of Collection	VOA 8260	VOA 8021B BTEX	NWTPH-Gx	NWTPH-HCID	NWTPH-Dx/Dx Ext.	SEMI VOL 8270C	PAH 8270	PCBs 8082	Cl PESTICIDES 8081	Cl HERBICIDES 8151A	Metals* Total (T) | Dissolved (D)	Anions (IC)**	Comments/Depth
1 GP-92a-38.0-38.2	0720	S	4 oz	10/27/10	X												
2 GP-92a-41.0-41.2	0945	S	4 oz	10/27/10	X												
3 GP-92a-48.0-48.2	0955	S	4 oz	10/27/10	X												Hold
4 GP-92a-57.0-57.2	1110	S	4 oz	10/27/10	X												
5 GP-92a-51.0-51.2	1040	S	4 oz	10/27/10													~~Hold~~ Archive
6 GP-92a-60.0-60.2	1150	S	4 oz	10/27/10													~~Hold~~ Archive
7 GP-93-2.0-2.5	1310	S	4 oz	10/27/10													Archive
8 GP-93-7.5-8.0	1320	S	4 oz	10/27/10	X												
9 GP-93-[illegible]	1330	S	4 oz	10/27/10													Archive
10 GP-93-42.0-42.2	1420	S	4 oz	10/27/10	X												

*Metals Analysis (Circle): MTCA-5 RCRA-8 Priority Pollutants TAL *Individual:* Ag Al As B Ba Be Ca Cd Co Cr Cu Fe Hg K Mg Mn Mo Na Ni Pb Sb Se Sr Sn Ti Tl U V Zn

**Anions (Circle): Nitrate Nitrite Chloride Sulfate Bromide O-Phosphate Fluoride Nitrate+Nitrite

Relinquished	Date/Time	Received	Date/Time
x [signature]	10/27/10 1540	x [signature]	10/27/10 15:42
Relinquished	Date/Time	Received	Date/Time
x		x	

Sample Receipt:

Good?	Y
Cooler Temperature:	0.4
Seals Intact?:	n/a
Total Number of Containers:	16

Special Remarks:

TAT → (24HR) 48HR Standard

Distribution: White - Lab, Yellow - File, Pink - Originator

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Fremont

Chain of Custody Record

2930 Westlake Ave. N. Suite 100
Seattle, WA 98109
Tel: 206-352-3790
Fax: 206-352-7178

Laboratory Project No (internal): CAM101027-6

Date: 10/27/10

Page: 2 of: 2

Client: Floyd | Snider
Address: 601 Union St. Ste 600
City, State, Zip: Seattle, WA 98101
Tel: 206-292-2078

Project Name: Fox Ave
Location: Fox Ave
Collected by: Erin Murray

Reports To (PM): Tom Culligan
Fax: 206-682-7867
Email:

Project No: FOX-AVE RA T.1

	Sample Name	Time	Sample Type (Matrix)	Container Type	Date of Collection	VOA 8260	VOA 8021B BTEX	NWTPH-Gx	NWTPH-HCID	NWTPH-Dx/Dx Ext.	SEMI VOL 8270C	PAH 8270	PCBs 8082	CI PESTICIDES 8081	CI HERBICIDES 8151A	Metals* Total (T) | Dissolved (D)	Anions (IC)**					Comments/Depth
1	GP-93-47.0-47.5	1435	S	4 oz.	10/27/10	X																~~XXXXX~~
2	GP-92B-2.8-3.0	1520	S	4oz	10/27/10	X																Hit
3	GP-92B-7.5-7.7	1525	S	4oz	10/27/10																	Archive
4	GP-92B-14.0-14.2	1530	S	4oz	/																	Archive
5	GP-92B-17.0-17.5	1535	S	4oz	10/27/10	X																
6																						
7																						
8																						
9																						
10																						

*Metals Analysis (Circle): MTCA-5 RCRA-8 Priority Pollutants TAL *Individual:* Ag Al As B Ba Be Ca Cd Co Cr Cu Fe Hg K Mg Mn Mo Na Ni Pb Sb Se Sr Sn Ti Tl U V Zn

**Anions (Circle): Nitrate Nitrite Chloride Sulfate Bromide O-Phosphate Fluoride Nitrate+Nitrite

Relinquished	Date/Time	Received	Date/Time
x	10/27/10 1540	x	10/27/10 1540
Relinquished	Date/Time	Received	Date/Time
x		x	

Sample Receipt:		Special Remarks:
Good?	Y	
Cooler Temperature:	0.4	
Seals Intact?:	N/A	
Total Number of Containers:	15	TAT --> 24HR 48HR Standard

Distribution: White - Lab, Yellow - File, Pink - Originator

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info@fremontanalytical.com

Floyd | Snider
Attn: Tom Colligan
601 Union St. Ste. 600
Seattle, WA 98101

RE: Fox Ave.
Fremont Project No: CHM101028-10
Floyd | Snider Project No: Fox-Ave RA Task 1

October 31st, 2010

Tom:

Enclosed are the analytical results for the ***Fox Ave.*** soil samples delivered to Fremont Analytical on October 28th, 2010.

Sample Receipt: The samples were received in good condition - in the proper containers, properly sealed, labeled and within holding time. The samples were contained in 14 – 4oz sample jars. The samples were received in a cooler with wet ice, with a cooler temperature of 3.7°C, which is within the laboratory recommended cooler temperature range (<4°C - 10°C). The samples were stored in a refrigeration unit at the USEPA-recommended temperature of 4°C ± 2°C.

Sample Analysis: Examination of these samples was conducted for the presence of the following:

- ***Volatile Organic Compounds by EPA Method 8260***

This application was performed under Washington State Department of Ecology accreditation parameters. All appropriate Quality Assurance / Quality Control method parameters have been applied. There were no sample analysis issues to report.

Please contact the laboratory if you should have any questions about the results.

Thank you for using Fremont Analytical!

Sincerely,

Michael Dee
Sr. Chemist / Principal
mikedee@fremontanalytical.com

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Analysis of Volatile Organic Compounds by EPA Method 8260

Project: Fox Ave.
Client: Floyd | Snider
Client Project #: Fox-Ave RA Task 1
Lab Project #: CHM101028-10

EPA 8260B (mg/kg)	MRL	Method Blank	LCS	GP-94-7.0-7.5	GP-94-17.5-18.0	GP-94-25.0-25.5
Date Analyzed		10/29/10	10/29/10	10/29/10	10/29/10	10/29/10
Matrix				Soil	Soil	Soil
Dichlorodifluoromethane	0.06	nd		nd	nd	nd
Chloromethane	0.06	nd		nd	nd	nd
Vinyl chloride *	0.002	nd		nd	**0.010**	**0.018**
Bromomethane	0.09	nd		nd	nd	nd
Chloroethane	0.06	nd		nd	nd	nd
Trichlorofluoromethane	0.05	nd		nd	nd	nd
1,1-Dichloroethene	0.05	nd	113%	nd	nd	nd
Methylene chloride	0.02	nd		nd	nd	nd
trans-1,2-Dichloroethene	0.02	nd		nd	nd	nd
1,1-Dichloroethane	0.02	nd		nd	nd	nd
2,2-Dichloropropane	0.05	nd		nd	nd	nd
cis-1,2-Dichloroethene	0.02	nd		**0.02**	**0.02**	**0.02**
Chloroform	0.02	nd		nd	nd	nd
1,1-Dichloropropene	0.02	nd		nd	nd	nd
Carbon tetrachloride	0.02	nd		nd	nd	nd
1,1,1-Trichloroethane (TCA)	0.02	nd		nd	nd	nd
Benzene	0.02	nd	131%	nd	nd	nd
1,2-Dichloroethane (EDC)	0.03	nd		nd	nd	nd
Trichloroethene (TCE)	0.03	nd	120%	**0.02**	nd	nd
1,2-Dichloropropane	0.02	nd		nd	nd	nd

"nd" Indicates not detected at listed reporting limits
"int" Indicates that interference prevents determination
* Instrument Detection Limit
"J" Indicates estimated value
"MRL" Indicates Method Reporting Limit
"LCS" Indicates Laboratory Control Sample
"MS" Indicates Matrix Spike
"RPD" Indicates Relative Percent Difference

Acceptable RPD is determined to be less than 30%
Acceptable Recovery Limits:
Surrogate = 65% to 135%
LCS, MS = 65% to 135%
Surrogates and Spike Concentration = 0.5 mg/kg

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Analysis of Volatile Organic Compounds by EPA Method 8260

Project: Fox Ave.
Client: Floyd | Snider
Client Project #: Fox-Ave RA Task 1
Lab Project #: CHM101028-10

EPA 8260B (mg/kg)	MRL	Method Blank	LCS	GP-94-7.0-7.5	GP-94-17.5-18.0	GP-94-25.0-25.5
Date Analyzed		10/29/10	10/29/10	10/29/10	10/29/10	10/29/10
Matrix				Soil	Soil	Soil
Dichlorodifluoromethane	0.06	nd		nd	nd	nd
Chloromethane	0.06	nd		nd	nd	nd
Dibromomethane	0.04	nd		nd	nd	nd
Bromodichloromethane	0.02	nd		nd	nd	nd
cis-1,3-Dichloropropene	0.02	nd		nd	nd	nd
Toluene	0.02	nd	122%	nd	nd	nd
Trans-1,3-Dichloropropene	0.03	nd		nd	nd	nd
1,1,2-Trichloroethane	0.03	nd		nd	nd	nd
Tetrachloroethene (PCE)	0.02	nd		**0.09**	nd	nd
1,3-Dichloropropane	0.05	nd		nd	nd	nd
Dibromochloromethane	0.03	nd		nd	nd	nd
1,2-Dibromoethane (EDB) *	0.005	nd		nd	nd	nd
Chlorobenzene	0.02	nd	131%	nd	nd	nd
1,1,1,2-Tetrachloroethane	0.03	nd		nd	nd	nd
Ethylbenzene	0.03	nd		nd	nd	nd
Total Xylenes	0.03	nd		nd	nd	nd
Styrenes	0.02	nd		nd	nd	nd
Bromoform	0.02	nd		nd	nd	nd
Isopropylbenzene	0.08	nd		nd	nd	nd
1,2,3-Trichloropropane	0.02	nd		nd	nd	nd
Bromobenzene	0.03	nd		nd	nd	nd
1,1,2,2-Tetrachloroethane	0.02	nd		nd	nd	nd

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Analysis of Volatile Organic Compounds by EPA Method 8260

Project: Fox Ave.
Client: Floyd | Snider
Client Project #: Fox-Ave RA Task 1
Lab Project #: CHM101028-10

EPA 8260B (mg/kg)	MRL	Method Blank	LCS	GP-94-7.0-7.5	GP-94-17.5-18.0	GP-94-25.0-25.5
Date Analyzed		10/29/10	10/29/10	10/29/10	10/29/10	10/29/10
Matrix				Soil	Soil	Soil
Dichlorodifluoromethane	0.06	nd		nd	nd	nd
Chloromethane	0.06	nd		nd	nd	nd
n-Propylbenzene	0.02	nd		nd	nd	nd
2-Chlorotoluene	0.02	nd		nd	nd	nd
4-Chlorotoluene	0.02	nd		nd	nd	nd
1,3,5-Trimethylbenzene	0.02	nd		nd	nd	nd
tert-Butylbenzene	0.02	nd		nd	nd	nd
1,2,4-Trimethylbenzene	0.02	nd		nd	nd	nd
sec-Butylbenzene	0.02	nd		nd	nd	nd
1,3-Dichlorobenzene	0.02	nd		nd	**0.01 *J***	nd
4-Isopropyltoluene	0.02	nd		nd	nd	nd
1,4-Dichlorobenzene	0.02	nd		nd	**0.02**	**0.02**
1,2-Dichlorobenzene	0.02	nd		nd	**0.15**	**0.09**
n-Butylbenzene	0.02	nd		nd	nd	nd
1,2-Dibromo-3-Chloropropane	0.03	nd		nd	nd	nd
1,2,4-Trichlorobenzene	0.05	nd		nd	nd	nd
Hexachloro-1,3-butadiene	0.10	nd		nd	nd	nd
Naphthalene	0.03	nd		nd	nd	nd
1,2,3-Trichlorobenzene	1.0	nd		nd	nd	nd
Surrogate Recovery						
Dibromofluoromethane		105%	103%	105%	107%	106%
Toluene-d8		103%	100%	101%	100%	100%
1-Bromo-4-fluorobenzene		103%	105%	103%	96%	95%

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Analysis of Volatile Organic Compounds by EPA Method 8260

Project: Fox Ave.
Client: Floyd | Snider
Client Project #: Fox-Ave RA Task 1
Lab Project #: CHM101028-10

				Duplicate	
EPA 8260B (mg/kg)	**MRL**	**GP-94-37.0-37.5**	**GP-94-49-49.5**	**GP-94-49-49.5**	**GP-95-2.5-3.0**
Date Analyzed		10/29/10	10/29/10	10/29/10	10/29/10
Matrix		Soil	Soil	Soil	Soil
Dichlorodifluoromethane	0.06	nd	nd	nd	nd
Chloromethane	0.06	nd	nd	nd	nd
Vinyl chloride *	0.002	**0.002**	nd	nd	**0.001 *J***
Bromomethane	0.09	nd	nd	nd	nd
Chloroethane	0.06	nd	nd	nd	nd
Trichlorofluoromethane	0.05	nd	nd	nd	nd
1,1-Dichloroethene	0.05	nd	nd	nd	nd
Methylene chloride	0.02	nd	nd	nd	nd
trans-1,2-Dichloroethene	0.02	nd	nd	nd	nd
1,1-Dichloroethane	0.02	nd	nd	nd	nd
2,2-Dichloropropane	0.05	nd	nd	nd	nd
cis-1,2-Dichloroethene	0.02	nd	nd	nd	**0.19**
Chloroform	0.02	nd	nd	nd	**0.02**
1,1-Dichloropropene	0.02	nd	nd	nd	nd
Carbon tetrachloride	0.02	nd	nd	nd	nd
1,1,1-Trichloroethane (TCA)	0.02	nd	nd	nd	nd
Benzene	0.02	nd	nd	nd	nd
1,2-Dichloroethane (EDC)	0.03	nd	nd	nd	nd
Trichloroethene (TCE)	0.03	nd	nd	nd	**0.24**
1,2-Dichloropropane	0.02	nd	nd	nd	nd

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Analysis of Volatile Organic Compounds by EPA Method 8260

Project: Fox Ave.
Client: Floyd | Snider
Client Project #: Fox-Ave RA Task 1
Lab Project #: CHM101028-10

EPA 8260B (mg/kg)	MRL	GP-94-37.0-37.5	GP-94-49-49.5	Duplicate GP-94-49-49.5	GP-95-2.5-3.0
Date Analyzed		10/29/10	10/29/10	10/29/10	10/29/10
Matrix		Soil	Soil	Soil	Soil
Dichlorodifluoromethane	0.06	nd	nd	nd	nd
Chloromethane	0.06	nd	nd	nd	nd
Dibromomethane	0.04	nd	nd	nd	nd
Bromodichloromethane	0.02	nd	nd	nd	nd
cis-1,3-Dichloropropene	0.02	nd	nd	nd	nd
Toluene	0.02	nd	nd	nd	nd
Trans-1,3-Dichloropropene	0.03	nd	nd	nd	nd
1,1,2-Trichloroethane	0.03	nd	nd	nd	nd
Tetrachloroethene (PCE)	0.02	nd	nd	nd	**0.97**
1,3-Dichloropropane	0.05	nd	nd	nd	nd
Dibromochloromethane	0.03	nd	nd	nd	nd
1,2-Dibromoethane (EDB) *	0.005	nd	nd	nd	nd
Chlorobenzene	0.02	nd	nd	nd	nd
1,1,1,2-Tetrachloroethane	0.03	nd	nd	nd	nd
Ethylbenzene	0.03	nd	nd	nd	nd
Total Xylenes	0.03	nd	nd	nd	**0.01 *J***
Styrenes	0.02	nd	nd	nd	nd
Bromoform	0.02	nd	nd	nd	nd
Isopropylbenzene	0.08	nd	nd	nd	nd
1,2,3-Trichloropropane	0.02	nd	nd	nd	nd
Bromobenzene	0.03	nd	nd	nd	nd
1,1,2,2-Tetrachloroethane	0.02	nd	nd	nd	nd

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Analysis of Volatile Organic Compounds by EPA Method 8260

Project: Fox Ave.
Client: Floyd | Snider
Client Project #: Fox-Ave RA Task 1
Lab Project #: CHM101028-10

EPA 8260B (mg/kg)	MRL	GP-94-37.0-37.5	GP-94-49-49.5	GP-94-49-49.5 Duplicate	GP-95-2.5-3.0
Date Analyzed		10/29/10	10/29/10	10/29/10	10/29/10
Matrix		Soil	Soil	Soil	Soil
Dichlorodifluoromethane	0.06	nd	nd	nd	nd
Chloromethane	0.06	nd	nd	nd	nd
n-Propylbenzene	0.02	nd	nd	nd	nd
2-Chlorotoluene	0.02	nd	nd	nd	**0.02**
4-Chlorotoluene	0.02	nd	nd	nd	nd
1,3,5-Trimethylbenzene	0.02	nd	nd	nd	nd
tert-Butylbenzene	0.02	nd	nd	nd	nd
1,2,4-Trimethylbenzene	0.02	nd	nd	nd	nd
sec-Butylbenzene	0.02	nd	nd	nd	nd
1,3-Dichlorobenzene	0.02	nd	nd	nd	nd
4-Isopropyltoluene	0.02	nd	nd	nd	nd
1,4-Dichlorobenzene	0.02	nd	nd	nd	nd
1,2-Dichlorobenzene	0.02	nd	nd	nd	nd
n-Butylbenzene	0.02	nd	nd	nd	nd
1,2-Dibromo-3-Chloropropane	0.03	nd	nd	nd	nd
1,2,4-Trichlorobenzene	0.05	nd	nd	nd	nd
Hexachloro-1,3-butadiene	0.10	nd	nd	nd	nd
Naphthalene	0.03	nd	nd	nd	nd
1,2,3-Trichlorobenzene	1.0	nd	nd	nd	nd
Surrogate Recovery					
Dibromofluoromethane		105%	105%	105%	115%
Toluene-d8		99%	102%	100%	96%
1-Bromo-4-fluorobenzene		96%	99%	97%	84%

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Project: Fox Ave.
Client: Floyd | Snider
Client Project #: Fox-Ave RA Task 1
Lab Project #: CHM101028-10

EPA 8260B (mg/kg)	MRL	GP-95-18.5-19.0	GP-95-38.5-39.0	GP-95-42.0-42.5	GP-95-48.0-48.5
Date Analyzed		10/29/10	10/29/10	10/29/10	10/29/10
Matrix		Soil	Soil	Soil	Soil
Dichlorodifluoromethane	0.06	nd	nd	nd	nd
Chloromethane	0.06	nd	nd	nd	nd
Vinyl chloride *	0.002	**0.014**	nd	**0.002**	nd
Bromomethane	0.09	nd	nd	nd	nd
Chloroethane	0.06	nd	nd	nd	nd
Trichlorofluoromethane	0.05	nd	nd	nd	nd
1,1-Dichloroethene	0.05	nd	nd	nd	nd
Methylene chloride	0.02	nd	nd	nd	nd
trans-1,2-Dichloroethene	0.02	nd	nd	nd	nd
1,1-Dichloroethane	0.02	**0.01 *J***	nd	nd	nd
2,2-Dichloropropane	0.05	nd	nd	nd	nd
cis-1,2-Dichloroethene	0.02	nd	nd	nd	nd
Chloroform	0.02	nd	nd	nd	nd
1,1-Dichloropropene	0.02	nd	nd	nd	nd
Carbon tetrachloride	0.02	nd	nd	nd	nd
1,1,1-Trichloroethane (TCA)	0.02	nd	nd	nd	nd
Benzene	0.02	**0.01 *J***	nd	nd	nd
1,2-Dichloroethane (EDC)	0.03	nd	nd	nd	nd
Trichloroethene (TCE)	0.03	nd	nd	nd	nd
1,2-Dichloropropane	0.02	nd	nd	nd	nd

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Lab Project #: CHM101028-10

EPA 8260B (mg/kg)	MRL	GP-95-18.5-19.0	GP-95-38.5-39.0	GP-95-42.0-42.5	GP-95-48.0-48.5
Date Analyzed		10/29/10	10/29/10	10/29/10	10/29/10
Matrix		Soil	Soil	Soil	Soil
Dichlorodifluoromethane	0.06	nd	nd	nd	nd
Chloromethane	0.06	nd	nd	nd	nd
Dibromomethane	0.04	nd	nd	nd	nd
Bromodichloromethane	0.02	nd	nd	nd	nd
cis-1,3-Dichloropropene	0.02	nd	nd	nd	nd
Toluene	0.02	nd	nd	nd	nd
Trans-1,3-Dichloropropene	0.03	nd	nd	nd	nd
1,1,2-Trichloroethane	0.03	nd	nd	nd	nd
Tetrachloroethene (PCE)	0.02	nd	nd	nd	nd
1,3-Dichloropropane	0.05	nd	nd	nd	nd
Dibromochloromethane	0.03	nd	nd	nd	nd
1,2-Dibromoethane (EDB) *	0.005	nd	nd	nd	nd
Chlorobenzene	0.02	**0.23**	nd	nd	nd
1,1,1,2-Tetrachloroethane	0.03	nd	nd	nd	nd
Ethylbenzene	0.03	**0.45**	nd	nd	nd
Total Xylenes	0.03	**0.05**	nd	nd	nd
Styrenes	0.02	nd	nd	nd	nd
Bromoform	0.02	nd	nd	nd	nd
Isopropylbenzene	0.08	nd	nd	nd	nd
1,2,3-Trichloropropane	0.02	nd	nd	nd	nd
Bromobenzene	0.03	nd	nd	nd	nd
1,1,2,2-Tetrachloroethane	0.02	nd	nd	nd	nd

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email: info@fremontanalytical.com

Analysis of Volatile Organic Compounds by EPA Method 8260

Project: Fox Ave.
Client: Floyd | Snider
Client Project #: Fox-Ave RA Task 1
Lab Project #: CHM101028-10

EPA 8260B (mg/kg)	MRL	GP-95-18.5-19.0	GP-95-38.5-39.0	GP-95-42.0-42.5	GP-95-48.0-48.5
Date Analyzed		10/29/10	10/29/10	10/29/10	10/29/10
Matrix		Soil	Soil	Soil	Soil
Dichlorodifluoromethane	0.06	nd	nd	nd	nd
Chloromethane	0.06	nd	nd	nd	nd
n-Propylbenzene	0.02	nd	nd	nd	nd
2-Chlorotoluene	0.02	nd	nd	nd	nd
4-Chlorotoluene	0.02	nd	nd	nd	nd
1,3,5-Trimethylbenzene	0.02	**0.02**	nd	**0.01 *J***	nd
tert-Butylbenzene	0.02	nd	nd	nd	nd
1,2,4-Trimethylbenzene	0.02	**0.07**	nd	**0.03**	nd
sec-Butylbenzene	0.02	nd	nd	nd	nd
1,3-Dichlorobenzene	0.02	**0.01 *J***	nd	nd	nd
4-Isopropyltoluene	0.02	nd	nd	nd	nd
1,4-Dichlorobenzene	0.02	**0.08**	nd	nd	nd
1,2-Dichlorobenzene	0.02	**0.09**	nd	nd	nd
n-Butylbenzene	0.02	nd	nd	nd	nd
1,2-Dibromo-3-Chloropropane	0.03	nd	nd	nd	nd
1,2,4-Trichlorobenzene	0.05	nd	nd	nd	nd
Hexachloro-1,3-butadiene	0.10	nd	nd	nd	nd
Naphthalene	0.03	nd	nd	nd	nd
1,2,3-Trichlorobenzene	1.0	nd	nd	nd	nd
Surrogate Recovery					
Dibromofluoromethane		107%	104%	104%	111%
Toluene-d8		101%	103%	104%	103%
1-Bromo-4-fluorobenzene		94%	102%	110%	115%

"nd" Indicates not detected at listed reporting limits
"int" Indicates that interference prevents determination
* Instrument Detection Limit
"J" Indicates estimated value
"MRL" Indicates Method Reporting Limit
"LCS" Indicates Laboratory Control Sample
"MS" Indicates Matrix Spike
"RPD" Indicates Relative Percent Difference

Acceptable RPD is determined to be less than 30%
Acceptable Recovery Limits:
Surrogate = 65% to 135%
LCS, MS = 65% to 135%
Surrogates and Spike Concentration = 0.5 mg/kg

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Analysis of Volatile Organic Compounds by EPA Method 8260

Project: Fox Ave.
Client: Floyd | Snider
Client Project #: Fox-Ave RA Task 1
Lab Project #: CHM101028-10

EPA 8260B (mg/kg)	MRL	MS GP-95-38.5-39.0	MS GP-95-2.5-3.0
Date Analyzed		10/29/10	10/29/10
Matrix		Soil	Soil
Dichlorodifluoromethane	0.06		
Chloromethane	0.06		
Vinyl chloride *	0.002		
Bromomethane	0.09		
Chloroethane	0.06		
Trichlorofluoromethane	0.05		
1,1-Dichloroethene	0.05	75%	102%
Methylene chloride	0.02		
trans-1,2-Dichloroethene	0.02		
1,1-Dichloroethane	0.02		
2,2-Dichloropropane	0.05		
cis-1,2-Dichloroethene	0.02		
Chloroform	0.02		
1,1-Dichloropropene	0.02		
Carbon tetrachloride	0.02		
1,1,1-Trichloroethane (TCA)	0.02		
Benzene	0.02	129%	106%
1,2-Dichloroethane (EDC)	0.03		
Trichloroethene (TCE)	0.03	112%	113%
1,2-Dichloropropane	0.02		

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Analysis of Volatile Organic Compounds by EPA Method 8260

Project: Fox Ave.
Client: Floyd | Snider
Client Project #: Fox-Ave RA Task 1
Lab Project #: CHM101028-10

		MS	MS
EPA 8260B (mg/kg)	**MRL**	**GP-95-38.5-39.0**	**GP-95-2.5-3.0**
Date Analyzed		10/29/10	10/29/10
Matrix		Soil	Soil
Dichlorodifluoromethane	0.06		
Chloromethane	0.06		
Dibromomethane	0.04		
Bromodichloromethane	0.02		
cis-1,3-Dichloropropene	0.02		
Toluene	0.02	127%	108%
Trans-1,3-Dichloropropene	0.03		
1,1,2-Trichloroethane	0.03		
Tetrachloroethene (PCE)	0.02		
1,3-Dichloropropane	0.05		
Dibromochloromethane	0.03		
1,2-Dibromoethane (EDB) *	0.005		
Chlorobenzene	0.02	106%	104%
1,1,1,2-Tetrachloroethane	0.03		
Ethylbenzene	0.03		
Total Xylenes	0.03		
Styrenes	0.02		
Bromoform	0.02		
Isopropylbenzene	0.08		
1,2,3-Trichloropropane	0.02		
Bromobenzene	0.03		
1,1,2,2-Tetrachloroethane	0.02		

"nd" Indicates not detected at listed reporting limits
"int" Indicates that interference prevents determination
* Instrument Detection Limit
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"LCS" Indicates Laboratory Control Sample
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Analysis of Volatile Organic Compounds by EPA Method 8260

Project: Fox Ave.
Client: Floyd | Snider
Client Project #: Fox-Ave RA Task 1
Lab Project #: CHM101028-10

EPA 8260B (mg/kg)	MRL	MS GP-95-38.5-39.0	MS GP-95-2.5-3.0
Date Analyzed		10/29/10	10/29/10
Matrix		Soil	Soil
Dichlorodifluoromethane	0.06		
Chloromethane	0.06		
n-Propylbenzene	0.02		
2-Chlorotoluene	0.02		
4-Chlorotoluene	0.02		
1,3,5-Trimethylbenzene	0.02		
tert-Butylbenzene	0.02		
1,2,4-Trimethylbenzene	0.02		
sec-Butylbenzene	0.02		
1,3-Dichlorobenzene	0.02		
4-Isopropyltoluene	0.02		
1,4-Dichlorobenzene	0.02		
1,2-Dichlorobenzene	0.02		
n-Butylbenzene	0.02		
1,2-Dibromo-3-Chloropropane	0.03		
1,2,4-Trichlorobenzene	0.05		
Hexachloro-1,3-butadiene	0.10		
Naphthalene	0.03		
1,2,3-Trichlorobenzene	1.0		
Surrogate Recovery			
Dibromofluoromethane		134%	97%
Toluene-d8		130%	100%
1-Bromo-4-fluorobenzene		103%	97%

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Surrogate = 65% to 135%
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Fremont

Chain of Custody Record

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Laboratory Project No (internal): CHM10102 8-10

Date: 10/28/10

Page: 1 of: 2

Client: Floyd / Snider
Address: 601 Union St. Ste 600
City, State, Zip: Seattle, WA 98101
Tel: 206-292-2078

Project Name: Fox Avenue
Location: Fox Avenue
Collected by: Erin Murray / Emily Santen

Reports To (PM): Tom Culligan
Fax:
Email:
Project No:

Sample Name	Time	Sample Type (Matrix)	Container Type	Date of Collection	VOA 8260	VOA 8021B BTEX	NWTPH-Gx	NWTPH-HCID	NWTPH-Dx/Dx Ext.	SEMI VOL 8270C	PAH 8270	PCBs 8082	CI PESTICIDES 8081	CI HERBICIDES 8151A	Metals* Total (T) | Dissolved (D)	Anions (IC)**					Comments/Depth
1 GP-94-7.0-7.5	1105	S	4oz	10/28/10	X																
2 GP-94-12.5-13.0	1110																				Archive
3 GP-94-17.5-18.0	1120				X																
4 GP-94-25.0-25.5	1130				X																
5 GP-94-37.0-37.5	1205				X																
6 GP-94-42.0-42.5	1300																				Archive
7 GP-94-49.0-49.5	1430				X																
8 GP-95-2.5-3.0	1450				X																MS/MSD
9 GP-95-9.5-10.0	1455																				Archive
10 GP-95-18.5-19.0	1515	S	4oz.	J	X																

*Metals Analysis (Circle): MTCA-5 RCRA-8 Priority Pollutants TAL *Individual:* Ag Al As B Ba Be Ca Cd Co Cr Cu Fe Hg K Mg Mn Mo Na Ni Pb Sb Se Sr Sn Ti Tl U V Zn

**Anions (Circle): Nitrate Nitrite Chloride Sulfate Bromide O-Phosphate Fluoride Nitrate+Nitrite

Relinquished	Date/Time	Received	Date/Time
x	10/28/10 1755	x	10/28/10 1755
Relinquished	Date/Time	Received	Date/Time
x		x	

Sample Receipt:

Good?	Y
Cooler Temperature:	3.7
Seals Intact?:	N/A
Total Number of Containers:	14

Special Remarks:

TAT - 24HR 48HR Standard

Distribution: White - Lab, Yellow - File, Pink - Originator

Fremont Analytical

Chain of Custody Record

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Fax: 206-352-7178

Laboratory Project No (internal): CHM101028-10

Date: 10/28/10

Page: 2 of: 2

Client: Floyd/Snider
Address: 601 Union Street, Ste. 600
City, State, Zip: Seattle, WA 98103 Tel: 206-292-2078
Reports To (PM): Tom Colligan Fax: 206-682-7867 Email: ~~[illegible]~~

Project Name: FAX AVE
Location: FAX AVE
Collected by: Erin Murray/Emily Santee
Project No: FAX AVE Task. 1

Sample Name	Time	Sample Type (Matrix)	Container Type	Date of Collection	VOA 8260	VOA 8021B BTEX	NWTPH-Gx	NWTPH-HCID	NWTPH-Dx/Dx Ext.	SEMI VOL 8270C	PAH 8270	PCBs 8082	Cl PESTICIDES 8081	Cl HERBICIDES 8151A	Metals* Total (T) | Dissolved (D)	Anions (IC)**					Comments/Depth
1 GP-95-11.5-12.0	1505	S	4oz	10/28/10																	Archive
2 GP-95-38.5-39.0	1550	S	4oz.	10/22/10	X																
3 GP-95-420-425	1630	S	4oz	10/24/10	X																
4 GP-95-478.0-485	1710	S	4oz.	10/25/10	X																
5																					
6																					
7																					
8																					
9																					
10																					

*Metals Analysis (Circle): MTCA-5 RCRA-8 Priority Pollutants TAL *Individual:* Ag Al As B Ba Be Ca Cd Co Cr Cu Fe Hg K Mg Mn Mo Na Ni Pb Sb Se Sr Sn Ti Tl U V Zn

**Anions (Circle): Nitrate Nitrite Chloride Sulfate Bromide O-Phosphate Fluoride Nitrate+Nitrite

Relinquished	Date/Time	Received	Date/Time
x [signature]	10/25/10 1715	x [signature]	10/28/10 1755
Relinquished	Date/Time	Received	Date/Time
x		x	

Sample Receipt:

Good?	Y
Cooler Temperature:	3.7
Seals Intact?:	N/A
Total Number of Containers:	14

Special Remarks:

TAT --> ~~24HR~~ 48HR Standard

Distribution: White - Lab, Yellow - File, Pink - Originator

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Floyd | Snider
Attn: Tom Colligan
601 Union St. Ste. 600
Seattle, WA 98101

RE: Fox Ave.
Fremont Project No: CHM101028-8
Floyd | Snider Project No: MM001003

October 29th, 2010

Tom:

Enclosed are the analytical results for the ***Fox Ave.*** soil samples delivered to Fremont Analytical on October 28th, 2010.

Sample Receipt: The samples were received in good condition - in the proper containers, properly sealed, labeled and within holding time. The samples were contained in 8 – 4oz sample jars. The samples were received in a cooler with gel ice, with a cooler temperature of 5.9°C, which is within the laboratory recommended cooler temperature range (<4°C - 10°C). The samples were stored in a refrigeration unit at the USEPA-recommended temperature of 4°C ± 2°C.

Sample Analysis: Examination of these samples was conducted for the presence of the following:

- ***Volatile Organic Compounds by EPA Method 8260***

This application was performed under Washington State Department of Ecology accreditation parameters. All appropriate Quality Assurance / Quality Control method parameters have been applied. There were no sample analysis issues to report.

Please contact the laboratory if you should have any questions about the results. Thank you for using Fremont Analytical!

Sincerely,

Michael Dee
Sr. Chemist / Principal
mikedee@fremontanalytical.com

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Analysis of Volatile Organic Compounds by EPA Method 8260

Project: Fox Ave.
Client: Floyd | Snider
Client Project #: MM001003
Lab Project #: CHM101028-8

EPA 8260B (mg/kg)	MRL	Method Blank	LCS	FAS-R1-1W10-4.0	FAS-R1-1W10-10.5
Date Analyzed		10/29/10	10/29/10	10/29/10	10/29/10
Matrix				Soil	Soil
Dichlorodifluoromethane	0.06	nd		nd	nd
Chloromethane	0.06	nd		nd	nd
Vinyl chloride *	0.002	nd		**0.009**	nd
Bromomethane	0.09	nd		nd	nd
Chloroethane	0.06	nd		nd	nd
Trichlorofluoromethane	0.05	nd		nd	nd
1,1-Dichloroethene	0.05	nd	113%	nd	nd
Methylene chloride	0.02	nd		nd	nd
trans-1,2-Dichloroethene	0.02	nd		nd	nd
1,1-Dichloroethane	0.02	nd		nd	nd
2,2-Dichloropropane	0.05	nd		nd	nd
cis-1,2-Dichloroethene	0.02	nd		**0.11**	nd
Chloroform	0.02	nd		nd	nd
1,1-Dichloropropene	0.02	nd		nd	nd
Carbon tetrachloride	0.02	nd		nd	nd
1,1,1-Trichloroethane (TCA)	0.02	nd		nd	nd
Benzene	0.02	nd	131%	nd	nd
1,2-Dichloroethane (EDC)	0.03	nd		nd	nd
Trichloroethene (TCE)	0.03	nd	120%	nd	nd
1,2-Dichloropropane	0.02	nd		nd	nd

"nd" Indicates not detected at listed reporting limits
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Analysis of Volatile Organic Compounds by EPA Method 8260

Project: Fox Ave.
Client: Floyd | Snider
Client Project #: MM001003
Lab Project #: CHM101028-8

EPA 8260B (mg/kg)	MRL	Method Blank	LCS	FAS-R1-1W10-4.0	FAS-R1-1W10-10.5
Date Analyzed		10/29/10	10/29/10	10/29/10	10/29/10
Matrix				Soil	Soil
Dichlorodifluoromethane	0.06	nd		nd	nd
Chloromethane	0.06	nd		nd	nd
Dibromomethane	0.04	nd		nd	nd
Bromodichloromethane	0.02	nd		nd	nd
cis-1,3-Dichloropropene	0.02	nd		nd	nd
Toluene	0.02	nd	122%	nd	nd
Trans-1,3-Dichloropropene	0.03	nd		nd	nd
1,1,2-Trichloroethane	0.03	nd		nd	nd
Tetrachloroethene (PCE)	0.02	nd		**0.03**	**0.06**
1,3-Dichloropropane	0.05	nd		nd	nd
Dibromochloromethane	0.03	nd		nd	nd
1,2-Dibromoethane (EDB) *	0.005	nd		nd	nd
Chlorobenzene	0.02	nd	131%	nd	nd
1,1,1,2-Tetrachloroethane	0.03	nd		nd	nd
Ethylbenzene	0.03	nd		nd	nd
Total Xylenes	0.03	nd		nd	nd
Styrenes	0.02	nd		nd	nd
Bromoform	0.02	nd		nd	nd
Isopropylbenzene	0.08	nd		nd	nd
1,2,3-Trichloropropane	0.02	nd		nd	nd
Bromobenzene	0.03	nd		nd	nd
1,1,2,2-Tetrachloroethane	0.02	nd		nd	nd

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Analysis of Volatile Organic Compounds by EPA Method 8260

Project: Fox Ave.
Client: Floyd | Snider
Client Project #: MM001003
Lab Project #: CHM101028-8

EPA 8260B (mg/kg)	MRL	Method Blank	LCS	FAS-R1-1W10-4.0	FAS-R1-1W10-10.5
Date Analyzed		10/29/10	10/29/10	10/29/10	10/29/10
Matrix				Soil	Soil
Dichlorodifluoromethane	0.06	nd		nd	nd
Chloromethane	0.06	nd		nd	nd
n-Propylbenzene	0.02	nd		nd	nd
2-Chlorotoluene	0.02	nd		nd	nd
4-Chlorotoluene	0.02	nd		nd	nd
1,3,5-Trimethylbenzene	0.02	nd		nd	nd
tert-Butylbenzene	0.02	nd		nd	nd
1,2,4-Trimethylbenzene	0.02	nd		nd	nd
sec-Butylbenzene	0.02	nd		nd	nd
1,3-Dichlorobenzene	0.02	nd		nd	nd
4-Isopropyltoluene	0.02	nd		nd	nd
1,4-Dichlorobenzene	0.02	nd		nd	nd
1,2-Dichlorobenzene	0.02	nd		nd	nd
n-Butylbenzene	0.02	nd		nd	nd
1,2-Dibromo-3-Chloropropane	0.03	nd		nd	nd
1,2,4-Trichlorobenzene	0.05	nd		nd	nd
Hexachloro-1,3-butadiene	0.10	nd		nd	nd
Naphthalene	0.03	nd		nd	nd
1,2,3-Trichlorobenzene	1.0	nd		nd	nd
Surrogate Recovery					
Dibromofluoromethane		105%	103%	104%	104%
Toluene-d8		103%	100%	103%	102%
1-Bromo-4-fluorobenzene		103%	105%	101%	105%

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Analysis of Volatile Organic Compounds by EPA Method 8260

Project: Fox Ave.
Client: Floyd | Snider
Client Project #: MM001003
Lab Project #: CHM101028-8

EPA 8260B (mg/kg)	MRL	FAS-R1-IW08-5	FAS-R1-IW08-5DUP	FAS-R1-IW08-12.5
Date Analyzed		10/29/10	10/29/10	10/29/10
Matrix		Soil	Soil	Soil
Dichlorodifluoromethane	0.06	nd	nd	nd
Chloromethane	0.06	nd	nd	nd
Vinyl chloride *	0.002	nd	nd	nd
Bromomethane	0.09	nd	nd	nd
Chloroethane	0.06	nd	nd	nd
Trichlorofluoromethane	0.05	nd	nd	nd
1,1-Dichloroethene	0.05	nd	nd	nd
Methylene chloride	0.02	nd	nd	nd
trans-1,2-Dichloroethene	0.02	nd	nd	nd
1,1-Dichloroethane	0.02	nd	nd	nd
2,2-Dichloropropane	0.05	nd	nd	nd
cis-1,2-Dichloroethene	0.02	nd	nd	**0.01 *J***
Chloroform	0.02	nd	nd	nd
1,1-Dichloropropene	0.02	nd	nd	nd
Carbon tetrachloride	0.02	nd	nd	nd
1,1,1-Trichloroethane (TCA)	0.02	nd	nd	nd
Benzene	0.02	nd	nd	nd
1,2-Dichloroethane (EDC)	0.03	nd	nd	nd
Trichloroethene (TCE)	0.03	nd	nd	nd
1,2-Dichloropropane	0.02	nd	nd	nd

"nd" Indicates not detected at listed reporting limits
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* Instrument Detection Limit
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Analysis of Volatile Organic Compounds by EPA Method 8260

Project: Fox Ave.
Client: Floyd | Snider
Client Project #: MM001003
Lab Project #: CHM101028-8

EPA 8260B (mg/kg)	MRL	FAS-R1-IW08-5	FAS-R1-IW08-5DUP	FAS-R1-IW08-12.5
Date Analyzed		10/29/10	10/29/10	10/29/10
Matrix		Soil	Soil	Soil
Dichlorodifluoromethane	0.06	nd	nd	nd
Chloromethane	0.06	nd	nd	nd
Dibromomethane	0.04	nd	nd	nd
Bromodichloromethane	0.02	nd	nd	nd
cis-1,3-Dichloropropene	0.02	nd	nd	nd
Toluene	0.02	nd	nd	nd
Trans-1,3-Dichloropropene	0.03	nd	nd	nd
1,1,2-Trichloroethane	0.03	nd	nd	nd
Tetrachloroethene (PCE)	0.02	**0.12**	**0.14**	**0.01 *J***
1,3-Dichloropropane	0.05	nd	nd	nd
Dibromochloromethane	0.03	nd	nd	nd
1,2-Dibromoethane (EDB) *	0.005	nd	nd	nd
Chlorobenzene	0.02	nd	nd	nd
1,1,1,2-Tetrachloroethane	0.03	nd	nd	nd
Ethylbenzene	0.03	nd	nd	nd
Total Xylenes	0.03	nd	nd	nd
Styrenes	0.02	nd	nd	nd
Bromoform	0.02	nd	nd	nd
Isopropylbenzene	0.08	nd	nd	nd
1,2,3-Trichloropropane	0.02	nd	nd	nd
Bromobenzene	0.03	nd	nd	nd
1,1,2,2-Tetrachloroethane	0.02	nd	nd	nd

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* Instrument Detection Limit
"J" Indicates estimated value
"MRL" Indicates Method Reporting Limit
"LCS" Indicates Laboratory Control Sample
"MS" Indicates Matrix Spike
"RPD" Indicates Relative Percent Difference

Acceptable RPD is determined to be less than 30%
Acceptable Recovery Limits:
Surrogate = 65% to 135%
LCS, MS = 65% to 135%
Surrogates and Spike Concentration = 0.5 mg/kg

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Seattle, WA 98109

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email: info@fremontanalytical.com

Analysis of Volatile Organic Compounds by EPA Method 8260

Project: Fox Ave.
Client: Floyd | Snider
Client Project #: MM001003
Lab Project #: CHM101028-8

EPA 8260B (mg/kg)	MRL	FAS-R1-IW08-5	FAS-R1-IW08-5DUP	FAS-R1-IW08-12.5
Date Analyzed		10/29/10	10/29/10	10/29/10
Matrix		Soil	Soil	Soil
Dichlorodifluoromethane	0.06	nd	nd	nd
Chloromethane	0.06	nd	nd	nd
n-Propylbenzene	0.02	nd	nd	nd
2-Chlorotoluene	0.02	nd	nd	nd
4-Chlorotoluene	0.02	nd	nd	nd
1,3,5-Trimethylbenzene	0.02	nd	nd	nd
tert-Butylbenzene	0.02	nd	nd	nd
1,2,4-Trimethylbenzene	0.02	nd	nd	nd
sec-Butylbenzene	0.02	nd	nd	nd
1,3-Dichlorobenzene	0.02	nd	nd	nd
4-Isopropyltoluene	0.02	nd	nd	nd
1,4-Dichlorobenzene	0.02	nd	nd	nd
1,2-Dichlorobenzene	0.02	nd	nd	nd
n-Butylbenzene	0.02	nd	nd	nd
1,2-Dibromo-3-Chloropropane	0.03	nd	nd	nd
1,2,4-Trichlorobenzene	0.05	nd	nd	nd
Hexachloro-1,3-butadiene	0.10	nd	nd	nd
Naphthalene	0.03	nd	nd	nd
1,2,3-Trichlorobenzene	1.0	nd	nd	nd
Surrogate Recovery				
Dibromofluoromethane		107%	109%	106%
Toluene-d8		102%	102%	104%
1-Bromo-4-fluorobenzene		105%	105%	101%

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Analysis of Volatile Organic Compounds by EPA Method 8260

Project: Fox Ave.
Client: Floyd | Snider
Client Project #: MM001003
Lab Project #: CHM101028-8

EPA 8260B (mg/kg)	MRL	FAS-R1-IW09-1.5	FAS-R1-IW09-5	Duplicate FAS-R1-IW09-5	RPD %
Date Analyzed		10/29/10	10/29/10	10/29/10	
Matrix		Soil	Soil	Soil	
Dichlorodifluoromethane	0.06	nd	nd	nd	
Chloromethane	0.06	nd	nd	nd	
Vinyl chloride *	0.002	nd	nd	nd	
Bromomethane	0.09	nd	nd	nd	
Chloroethane	0.06	nd	nd	nd	
Trichlorofluoromethane	0.05	nd	nd	nd	
1,1-Dichloroethene	0.05	nd	nd	nd	
Methylene chloride	0.02	nd	nd	nd	
trans-1,2-Dichloroethene	0.02	nd	nd	nd	
1,1-Dichloroethane	0.02	nd	nd	nd	
2,2-Dichloropropane	0.05	nd	nd	nd	
cis-1,2-Dichloroethene	0.02	nd	nd	nd	
Chloroform	0.02	nd	nd	nd	
1,1-Dichloropropene	0.02	nd	nd	nd	
Carbon tetrachloride	0.02	nd	nd	nd	
1,1,1-Trichloroethane (TCA)	0.02	nd	nd	nd	
Benzene	0.02	nd	nd	nd	
1,2-Dichloroethane (EDC)	0.03	nd	nd	nd	
Trichloroethene (TCE)	0.03	**0.04**	nd	nd	
1,2-Dichloropropane	0.02	nd	nd	nd	

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Analysis of Volatile Organic Compounds by EPA Method 8260

Project: Fox Ave.
Client: Floyd | Snider
Client Project #: MM001003
Lab Project #: CHM101028-8

EPA 8260B (mg/kg)	MRL	FAS-R1-IW09-1.5	FAS-R1-IW09-5	Duplicate FAS-R1-IW09-5	RPD %
Date Analyzed		10/29/10	10/29/10	10/29/10	
Matrix		Soil	Soil	Soil	
Dichlorodifluoromethane	0.06	nd	nd	nd	
Chloromethane	0.06	nd	nd	nd	
Dibromomethane	0.04	nd	nd	nd	
Bromodichloromethane	0.02	nd	nd	nd	
cis-1,3-Dichloropropene	0.02	nd	nd	nd	
Toluene	0.02	nd	nd	nd	
Trans-1,3-Dichloropropene	0.03	nd	nd	nd	
1,1,2-Trichloroethane	0.03	nd	nd	nd	
Tetrachloroethene (PCE)	0.02	**1.6**	**0.11**	**0.13**	20%
1,3-Dichloropropane	0.05	nd	nd	nd	
Dibromochloromethane	0.03	nd	nd	nd	
1,2-Dibromoethane (EDB) *	0.005	nd	nd	nd	
Chlorobenzene	0.02	nd	nd	nd	
1,1,1,2-Tetrachloroethane	0.03	nd	nd	nd	
Ethylbenzene	0.03	nd	nd	nd	
Total Xylenes	0.03	nd	nd	nd	
Styrenes	0.02	nd	nd	nd	
Bromoform	0.02	nd	nd	nd	
Isopropylbenzene	0.08	nd	nd	nd	
1,2,3-Trichloropropane	0.02	nd	nd	nd	
Bromobenzene	0.03	nd	nd	nd	
1,1,2,2-Tetrachloroethane	0.02	nd	nd	nd	

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Analysis of Volatile Organic Compounds by EPA Method 8260

Project: Fox Ave.
Client: Floyd | Snider
Client Project #: MM001003
Lab Project #: CHM101028-8

EPA 8260B (mg/kg)	MRL	FAS-R1-IW09-1.5	FAS-R1-IW09-5	Duplicate FAS-R1-IW09-5	RPD %
Date Analyzed		10/29/10	10/29/10	10/29/10	
Matrix		Soil	Soil	Soil	
Dichlorodifluoromethane	0.06	nd	nd	nd	
Chloromethane	0.06	nd	nd	nd	
n-Propylbenzene	0.02	nd	nd	nd	
2-Chlorotoluene	0.02	nd	nd	nd	
4-Chlorotoluene	0.02	nd	nd	nd	
1,3,5-Trimethylbenzene	0.02	nd	nd	nd	
tert-Butylbenzene	0.02	nd	nd	nd	
1,2,4-Trimethylbenzene	0.02	nd	nd	nd	
sec-Butylbenzene	0.02	nd	nd	nd	
1,3-Dichlorobenzene	0.02	nd	nd	nd	
4-Isopropyltoluene	0.02	nd	nd	nd	
1,4-Dichlorobenzene	0.02	nd	nd	nd	
1,2-Dichlorobenzene	0.02	nd	nd	nd	
n-Butylbenzene	0.02	nd	nd	nd	
1,2-Dibromo-3-Chloropropane	0.03	nd	nd	nd	
1,2,4-Trichlorobenzene	0.05	nd	nd	nd	
Hexachloro-1,3-butadiene	0.10	nd	nd	nd	
Naphthalene	0.03	nd	nd	nd	
1,2,3-Trichlorobenzene	1.0	nd	nd	nd	
Surrogate Recovery					
Dibromofluoromethane		110%	105%	104%	
Toluene-d8		96%	102%	100%	
1-Bromo-4-fluorobenzene		86%	100%	104%	

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Analysis of Volatile Organic Compounds by EPA Method 8260

Project: Fox Ave.
Client: Floyd | Snider
Client Project #: MM001003
Lab Project #: CHM101028-8

EPA 8260B (mg/kg)	MRL	FAS-R1-IW09-13.5	MS FAS-R1-IW09-1.5
Date Analyzed		10/29/10	10/29/10
Matrix		Soil	Soil
Dichlorodifluoromethane	0.06	nd	
Chloromethane	0.06	nd	
Vinyl chloride *	0.002	nd	
Bromomethane	0.09	nd	
Chloroethane	0.06	nd	
Trichlorofluoromethane	0.05	nd	
1,1-Dichloroethene	0.05	nd	67%
Methylene chloride	0.02	nd	
trans-1,2-Dichloroethene	0.02	nd	
1,1-Dichloroethane	0.02	nd	
2,2-Dichloropropane	0.05	nd	
cis-1,2-Dichloroethene	0.02	**0.02**	
Chloroform	0.02	nd	
1,1-Dichloropropene	0.02	nd	
Carbon tetrachloride	0.02	nd	
1,1,1-Trichloroethane (TCA)	0.02	nd	
Benzene	0.02	nd	109%
1,2-Dichloroethane (EDC)	0.03	nd	
Trichloroethene (TCE)	0.03	**0.04**	92%
1,2-Dichloropropane	0.02	nd	

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Analysis of Volatile Organic Compounds by EPA Method 8260

Project: Fox Ave.
Client: Floyd | Snider
Client Project #: MM001003
Lab Project #: CHM101028-8

EPA 8260B (mg/kg)	MRL	FAS-R1-IW09-13.5	MS FAS-R1-IW09-1.5
Date Analyzed		10/29/10	10/29/10
Matrix		Soil	Soil
Dichlorodifluoromethane	0.06	nd	
Chloromethane	0.06	nd	
Dibromomethane	0.04	nd	
Bromodichloromethane	0.02	nd	
cis-1,3-Dichloropropene	0.02	nd	
Toluene	0.02	nd	107%
Trans-1,3-Dichloropropene	0.03	nd	
1,1,2-Trichloroethane	0.03	nd	
Tetrachloroethene (PCE)	0.02	nd	
1,3-Dichloropropane	0.05	nd	
Dibromochloromethane	0.03	nd	
1,2-Dibromoethane (EDB) *	0.005	nd	
Chlorobenzene	0.02	nd	97%
1,1,1,2-Tetrachloroethane	0.03	nd	
Ethylbenzene	0.03	nd	
Total Xylenes	0.03	nd	
Styrenes	0.02	nd	
Bromoform	0.02	nd	
Isopropylbenzene	0.08	nd	
1,2,3-Trichloropropane	0.02	nd	
Bromobenzene	0.03	nd	
1,1,2,2-Tetrachloroethane	0.02	nd	

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Analysis of Volatile Organic Compounds by EPA Method 8260

Project: Fox Ave.
Client: Floyd | Snider
Client Project #: MM001003
Lab Project #: CHM101028-8

EPA 8260B (mg/kg)	MRL	FAS-R1-IW09-13.5	MS FAS-R1-IW09-1.5
Date Analyzed		10/29/10	10/29/10
Matrix		Soil	Soil
Dichlorodifluoromethane	0.06	nd	
Chloromethane	0.06	nd	
n-Propylbenzene	0.02	nd	
2-Chlorotoluene	0.02	nd	
4-Chlorotoluene	0.02	nd	
1,3,5-Trimethylbenzene	0.02	nd	
tert-Butylbenzene	0.02	nd	
1,2,4-Trimethylbenzene	0.02	nd	
sec-Butylbenzene	0.02	nd	
1,3-Dichlorobenzene	0.02	nd	
4-Isopropyltoluene	0.02	nd	
1,4-Dichlorobenzene	0.02	nd	
1,2-Dichlorobenzene	0.02	nd	
n-Butylbenzene	0.02	nd	
1,2-Dibromo-3-Chloropropane	0.03	nd	
1,2,4-Trichlorobenzene	0.05	nd	
Hexachloro-1,3-butadiene	0.10	nd	
Naphthalene	0.03	nd	
1,2,3-Trichlorobenzene	1.0	nd	
Surrogate Recovery			
Dibromofluoromethane		107%	124%
Toluene-d8		99%	123%
1-Bromo-4-fluorobenzene		93%	102%

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Surrogates and Spike Concentration = 0.5 mg/kg

Fremont Analytical

Chain of Custody Record

2930 Westlake Ave. N. Suite 100
Seattle, WA 98109
Tel: 206-352-3790
Fax: 206-352-7178

Laboratory Project No (internal): CHM101028-8

Date: 10/28/2010 Page: 1 of: 1

Client: Floyd Snider
Address:
City, State, Zip: Seattle, WA Tel:
Reports To (PM): Tom Colligan Fax: Email: tom.colligan@floydsnider

Project Name: Fox Avenue
Location: Fox Avenue
Collected by: Kyle Chambers
Project No: 140010003

	Sample Name	Time	Sample Type (Matrix)	Container Type	Date of Collection	VOA 8260	VOA 8021B BTEX	NWTPH-Gx	NWTPH-HCID	NWTPH-Dx/Dx Ext.	SEMI VOL 8270C	PAH 8270	PCBs 8082	CI PESTICIDES 8081	CI HERBICIDES 8151A	Metals* Total (T) | Dissolved (D)	Anions (IC)**					Comments/Depth
1	FAS-R1-1W10-4.0	850	Soil	4oz	10/28/10	X																4 Ft depth
2	FAS-R1-1W10-10.5	900				X																10.5 ft depth
3	FAS-R1-1W08-5	1030				X																5 ft depth
4	FAS-R1-1W08-5DUP	1030				X																5 Ft depth
5	FAS-R1-1W08-12.5	1104				X																12.5 ft depth
6	FAS-R1-1W09-1.5	1204																				1.5 ft depth (HOLD)
7	FAS-R1-1W09-5	1250				X																5 ft depth
8	FAS-R1-1W09-13.5	1355				X																13.5 Ft depth
9																						
10																						

*Metals Analysis (Circle): MTCA-5 RCRA-8 Priority Pollutants TAL *Individual:* Ag Al As B Ba Be Ca Cd Co Cr Cu Fe Hg K Mg Mn Mo Na Ni Pb Sb Se Sr Sn Ti Tl U V Zn

**Anions (Circle): Nitrate Nitrite Chloride Sulfate Bromide O-Phosphate Fluoride Nitrate+Nitrite

Relinquished	Date/Time	Received	Date/Time
x Kyle Chambers	10/28/2010 16:00	x	10/28/10 1600
Relinquished	Date/Time	Received	Date/Time
x		x	

Sample Receipt:

Good?	Y
Cooler Temperature:	5.9
Seals Intact?:	n/a
Total Number of Containers:	8

Special Remarks: CC Results to Tom McKeon

TAT --> 24HR 48HR Standard

Distribution: White - Lab, Yellow - File, Pink - Originator

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info@fremontanalytical.com

Floyd | Snider
Attn: Tom Colligan
601 Union St. Ste. 600
Seattle, WA 98101

RE: Fox Ave.
Fremont Project No: CHM101029-9
Floyd | Snider Project No: Fox-Ave RA Task 1

November 5th, 2010

Tom:

Enclosed are the analytical results for the ***Fox Ave.*** soil samples delivered to Fremont Analytical on October 29th, 2010.

Sample Receipt: The samples were received in good condition - in the proper containers, properly sealed, labeled and within holding time. The samples were contained in 13 – 4oz sample jars. The samples were received in a cooler with wet ice, with a cooler temperature of 7.9°C, which is within the laboratory recommended cooler temperature range (<4°C - 10°C). The samples were stored in a refrigeration unit at the USEPA-recommended temperature of 4°C ± 2°C.

Sample Analysis: Examination of these samples was conducted for the presence of the following:

- ***Volatile Organic Compounds by EPA Method 8260***

This application was performed under Washington State Department of Ecology accreditation parameters. All appropriate Quality Assurance / Quality Control method parameters have been applied. There were no sample analysis issues to report.

Please contact the laboratory if you should have any questions about the results.

Thank you for using Fremont Analytical!

Sincerely,

Michael Dee
Sr. Chemist / Principal
mikedee@fremontanalytical.com

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Analysis of Volatile Organic Compounds by EPA Method 8260

Project: Fox Ave.
Client: Floyd | Snider
Client Project #: Fox-Ave RA Task 1
Lab Project #: CHM101029-9

EPA 8260B (mg/kg)	MRL	Method Blank	LCS	GP-96-9.0-10.0	GP-96-15.0-15.5
Date Analyzed		11/3/10	11/3/10	11/3/10	11/3/10
Matrix				Soil	Soil
Dichlorodifluoromethane	0.06	nd		nd	nd
Chloromethane	0.06	nd		nd	nd
Vinyl chloride *	0.002	nd		nd	nd
Bromomethane	0.09	nd		nd	nd
Chloroethane	0.06	nd		nd	nd
Trichlorofluoromethane	0.05	nd		nd	nd
1,1-Dichloroethene	0.05	nd	94%	nd	nd
Methylene chloride	0.02	nd		nd	nd
trans-1,2-Dichloroethene	0.02	nd		nd	nd
1,1-Dichloroethane	0.02	nd		nd	nd
2,2-Dichloropropane	0.05	nd		nd	nd
cis-1,2-Dichloroethene	0.02	nd		**0.06**	**0.010**
Chloroform	0.02	nd		nd	nd
1,1-Dichloropropene	0.02	nd		nd	nd
Carbon tetrachloride	0.02	nd		nd	nd
1,1,1-Trichloroethane (TCA)	0.02	nd		nd	nd
Benzene	0.02	nd	100%	nd	nd
1,2-Dichloroethane (EDC)	0.03	nd		nd	nd
Trichloroethene (TCE)	0.03	nd	96%	**0.01 *J***	nd
1,2-Dichloropropane	0.02	nd		nd	nd

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LCS, MS = 65% to 135%
Surrogates and Spike Concentration = 0.5 mg/kg

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Analysis of Volatile Organic Compounds by EPA Method 8260

Project: Fox Ave.
Client: Floyd | Snider
Client Project #: Fox-Ave RA Task 1
Lab Project #: CHM101029-9

EPA 8260B (mg/kg)	MRL	Method Blank	LCS	GP-96-9.0-10.0	GP-96-15.0-15.5
Date Analyzed		11/3/10	11/3/10	11/3/10	11/3/10
Matrix				Soil	Soil
Dichlorodifluoromethane	0.06	nd		nd	nd
Chloromethane	0.06	nd		nd	nd
Dibromomethane	0.04	nd		nd	nd
Bromodichloromethane	0.02	nd		nd	nd
cis-1,3-Dichloropropene	0.02	nd		nd	nd
Toluene	0.02	nd	100%	nd	nd
Trans-1,3-Dichloropropene	0.03	nd		nd	nd
1,1,2-Trichloroethane	0.03	nd		nd	nd
Tetrachloroethene (PCE)	0.02	nd		**0.07**	**0.03**
1,3-Dichloropropane	0.05	nd		nd	nd
Dibromochloromethane	0.03	nd		nd	nd
1,2-Dibromoethane (EDB) *	0.005	nd		nd	nd
Chlorobenzene	0.02	nd	95%	nd	nd
1,1,1,2-Tetrachloroethane	0.03	nd		nd	nd
Ethylbenzene	0.03	nd		nd	nd
Total Xylenes	0.03	nd		nd	nd
Styrenes	0.02	nd		nd	nd
Bromoform	0.02	nd		nd	nd
Isopropylbenzene	0.08	nd		nd	nd
1,2,3-Trichloropropane	0.02	nd		nd	nd
Bromobenzene	0.03	nd		nd	nd
1,1,2,2-Tetrachloroethane	0.02	nd		nd	nd

"nd" Indicates not detected at listed reporting limits
"int" Indicates that interference prevents determination
* Instrument Detection Limit
"J" Indicates estimated value
"MRL" Indicates Method Reporting Limit
"LCS" Indicates Laboratory Control Sample
"MS" Indicates Matrix Spike
"RPD" Indicates Relative Percent Difference

Acceptable RPD is determined to be less than 30%
Acceptable Recovery Limits:
Surrogate = 65% to 135%
LCS, MS = 65% to 135%
Surrogates and Spike Concentration = 0.5 mg/kg

2930 Westlake Ave. N., Suite 100
Seattle, WA 98109

T: 206.352.3790
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Analysis of Volatile Organic Compounds by EPA Method 8260

Project: Fox Ave.
Client: Floyd | Snider
Client Project #: Fox-Ave RA Task 1
Lab Project #: CHM101029-9

EPA 8260B (mg/kg)	MRL	Method Blank	LCS	GP-96-9.0-10.0	GP-96-15.0-15.5
Date Analyzed		11/3/10	11/3/10	11/3/10	11/3/10
Matrix				Soil	Soil
Dichlorodifluoromethane	0.06	nd		nd	nd
Chloromethane	0.06	nd		nd	nd
n-Propylbenzene	0.02	nd		nd	nd
2-Chlorotoluene	0.02	nd		nd	nd
4-Chlorotoluene	0.02	nd		nd	nd
1,3,5-Trimethylbenzene	0.02	nd		nd	nd
tert-Butylbenzene	0.02	nd		nd	nd
1,2,4-Trimethylbenzene	0.02	nd		nd	nd
sec-Butylbenzene	0.02	nd		nd	nd
1,3-Dichlorobenzene	0.02	nd		nd	nd
4-Isopropyltoluene	0.02	nd		nd	nd
1,4-Dichlorobenzene	0.02	nd		nd	nd
1,2-Dichlorobenzene	0.02	nd		nd	nd
n-Butylbenzene	0.02	nd		nd	nd
1,2-Dibromo-3-Chloropropane	0.03	nd		nd	nd
1,2,4-Trichlorobenzene	0.05	nd		nd	nd
Hexachloro-1,3-butadiene	0.10	nd		nd	nd
Naphthalene	0.03	nd		nd	nd
1,2,3-Trichlorobenzene	1.0	nd		nd	nd
Surrogate Recovery					
Dibromofluoromethane		95%	103%	99%	96%
Toluene-d8		102%	102%	100%	100%
1-Bromo-4-fluorobenzene		98%	100%	99%	111%

"nd" Indicates not detected at listed reporting limits
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* Instrument Detection Limit
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Analysis of Volatile Organic Compounds by EPA Method 8260

Project: Fox Ave.
Client: Floyd | Snider
Client Project #: Fox-Ave RA Task 1
Lab Project #: CHM101029-9

EPA 8260B (mg/kg)	MRL	GP-96-44.0-45.0	GP-96-44.0-45.0 Duplicate	RPD %	GP-96-47.5-48.5
Date Analyzed		11/3/10	11/3/10		11/3/10
Matrix		Soil	Soil		Soil
Dichlorodifluoromethane	0.06	nd	nd		nd
Chloromethane	0.06	nd	nd		nd
Vinyl chloride *	0.002	nd	nd		nd
Bromomethane	0.09	nd	nd		nd
Chloroethane	0.06	nd	nd		nd
Trichlorofluoromethane	0.05	nd	nd		nd
1,1-Dichloroethene	0.05	nd	nd		nd
Methylene chloride	0.02	nd	nd		nd
trans-1,2-Dichloroethene	0.02	nd	nd		nd
1,1-Dichloroethane	0.02	nd	nd		nd
2,2-Dichloropropane	0.05	nd	nd		nd
cis-1,2-Dichloroethene	0.02	**0.03**	**0.02**	5%	nd
Chloroform	0.02	nd	nd		nd
1,1-Dichloropropene	0.02	nd	nd		nd
Carbon tetrachloride	0.02	nd	nd		nd
1,1,1-Trichloroethane (TCA)	0.02	nd	nd		nd
Benzene	0.02	nd	nd		nd
1,2-Dichloroethane (EDC)	0.03	nd	nd		nd
Trichloroethene (TCE)	0.03	**0.04**	**0.04**	8%	nd
1,2-Dichloropropane	0.02	nd	nd		nd

"nd" Indicates not detected at listed reporting limits
"int" Indicates that interference prevents determination
* Instrument Detection Limit
"J" Indicates estimated value
"MRL" Indicates Method Reporting Limit
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Analysis of Volatile Organic Compounds by EPA Method 8260

Project: Fox Ave.
Client: Floyd | Snider
Client Project #: Fox-Ave RA Task 1
Lab Project #: CHM101029-9

EPA 8260B (mg/kg)	MRL	GP-96-44.0-45.0	GP-96-44.0-45.0 Duplicate	RPD %	GP-96-47.5-48.5
Date Analyzed		11/3/10	11/3/10		11/3/10
Matrix		Soil	Soil		Soil
Dichlorodifluoromethane	0.06	nd	nd		nd
Chloromethane	0.06	nd	nd		nd
Dibromomethane	0.04	nd	nd		nd
Bromodichloromethane	0.02	nd	nd		nd
cis-1,3-Dichloropropene	0.02	nd	nd		nd
Toluene	0.02	nd	nd		nd
Trans-1,3-Dichloropropene	0.03	nd	nd		nd
1,1,2-Trichloroethane	0.03	nd	nd		nd
Tetrachloroethene (PCE)	0.02	**0.28**	**0.26**	9%	nd
1,3-Dichloropropane	0.05	nd	nd		nd
Dibromochloromethane	0.03	nd	nd		nd
1,2-Dibromoethane (EDB) *	0.005	nd	nd		nd
Chlorobenzene	0.02	nd	nd		nd
1,1,1,2-Tetrachloroethane	0.03	nd	nd		nd
Ethylbenzene	0.03	nd	nd		nd
Total Xylenes	0.03	nd	nd		nd
Styrenes	0.02	nd	nd		nd
Bromoform	0.02	nd	nd		nd
Isopropylbenzene	0.08	nd	nd		nd
1,2,3-Trichloropropane	0.02	nd	nd		nd
Bromobenzene	0.03	nd	nd		nd
1,1,2,2-Tetrachloroethane	0.02	nd	nd		nd

"nd" Indicates not detected at listed reporting limits
"int" Indicates that interference prevents determination
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Project: Fox Ave.
Client: Floyd | Snider
Client Project #: Fox-Ave RA Task 1
Lab Project #: CHM101029-9

EPA 8260B (mg/kg)	MRL	GP-96-44.0-45.0	GP-96-44.0-45.0 Duplicate	RPD %	GP-96-47.5-48.5
Date Analyzed		11/3/10	11/3/10		11/3/10
Matrix		Soil	Soil		Soil
Dichlorodifluoromethane	0.06	nd	nd		nd
Chloromethane	0.06	nd	nd		nd
n-Propylbenzene	0.02	nd	nd		nd
2-Chlorotoluene	0.02	nd	nd		nd
4-Chlorotoluene	0.02	nd	nd		nd
1,3,5-Trimethylbenzene	0.02	nd	nd		nd
tert-Butylbenzene	0.02	nd	nd		nd
1,2,4-Trimethylbenzene	0.02	nd	nd		nd
sec-Butylbenzene	0.02	nd	nd		nd
1,3-Dichlorobenzene	0.02	nd	nd		nd
4-Isopropyltoluene	0.02	nd	nd		nd
1,4-Dichlorobenzene	0.02	nd	nd		nd
1,2-Dichlorobenzene	0.02	nd	nd		nd
n-Butylbenzene	0.02	nd	nd		nd
1,2-Dibromo-3-Chloropropane	0.03	nd	nd		nd
1,2,4-Trichlorobenzene	0.05	nd	nd		nd
Hexachloro-1,3-butadiene	0.10	nd	nd		nd
Naphthalene	0.03	nd	nd		nd
1,2,3-Trichlorobenzene	1.0	nd	nd		nd
Surrogate Recovery					
Dibromofluoromethane		98%	105%		99%
Toluene-d8		101%	105%		102%
1-Bromo-4-fluorobenzene		103%	106%		104%

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Acceptable Recovery Limits:
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Surrogates and Spike Concentration = 0.5 mg/kg

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Analysis of Volatile Organic Compounds by EPA Method 8260

Project: Fox Ave.
Client: Floyd | Snider
Client Project #: Fox-Ave RA Task 1
Lab Project #: CHM101029-9

EPA 8260B (mg/kg)	MRL	GP-96-56.5-57.5	GP-96-59.0-60.0	GP-96-64.0-65.0	MS GP-96-44.0-45.0
Date Analyzed		11/3/10	11/3/10	11/3/10	11/3/10
Matrix		Soil	Soil	Soil	Soil
Dichlorodifluoromethane	0.06	nd	nd	nd	
Chloromethane	0.06	nd	nd	nd	
Vinyl chloride *	0.002	nd	nd	nd	
Bromomethane	0.09	nd	nd	nd	
Chloroethane	0.06	nd	nd	nd	
Trichlorofluoromethane	0.05	nd	nd	nd	
1,1-Dichloroethene	0.05	nd	nd	nd	98%
Methylene chloride	0.02	nd	nd	nd	
trans-1,2-Dichloroethene	0.02	nd	nd	nd	
1,1-Dichloroethane	0.02	nd	nd	nd	
2,2-Dichloropropane	0.05	nd	nd	nd	
cis-1,2-Dichloroethene	0.02	**0.52**	**1.1**	**0.41**	
Chloroform	0.02	nd	nd	nd	
1,1-Dichloropropene	0.02	nd	nd	nd	
Carbon tetrachloride	0.02	nd	nd	nd	
1,1,1-Trichloroethane (TCA)	0.02	nd	nd	nd	
Benzene	0.02	nd	nd	nd	86%
1,2-Dichloroethane (EDC)	0.03	nd	nd	nd	
Trichloroethene (TCE)	0.03	**0.69**	**5.2**	**8.9**	91%
1,2-Dichloropropane	0.02	nd	nd	nd	

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Client: Floyd | Snider
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EPA 8260B (mg/kg)	MRL	GP-96-56.5-57.5	GP-96-59.0-60.0	GP-96-64.0-65.0	MS GP-96-44.0-45.0
Date Analyzed		11/3/10	11/3/10	11/3/10	11/3/10
Matrix		Soil	Soil	Soil	Soil
Dichlorodifluoromethane	0.06	nd	nd	nd	
Chloromethane	0.06	nd	nd	nd	
Dibromomethane	0.04	nd	nd	nd	
Bromodichloromethane	0.02	nd	nd	nd	
cis-1,3-Dichloropropene	0.02	nd	nd	nd	
Toluene	0.02	nd	nd	**0.59**	86%
Trans-1,3-Dichloropropene	0.03	nd	nd	nd	
1,1,2-Trichloroethane	0.03	nd	nd	nd	
Tetrachloroethene (PCE)	0.02	nd	nd	**9.9**	
1,3-Dichloropropane	0.05	nd	nd	nd	
Dibromochloromethane	0.03	nd	nd	nd	
1,2-Dibromoethane (EDB) *	0.005	nd	nd	nd	
Chlorobenzene	0.02	nd	nd	nd	83%
1,1,1,2-Tetrachloroethane	0.03	nd	nd	nd	
Ethylbenzene	0.03	nd	**0.07**	**0.11**	
Total Xylenes	0.03	nd	**0.01 *J***	**0.22**	
Styrenes	0.02	nd	nd	nd	
Bromoform	0.02	nd	nd	nd	
Isopropylbenzene	0.08	nd	**0.02 *J***	**0.01 *J***	
1,2,3-Trichloropropane	0.02	nd	nd	nd	
Bromobenzene	0.03	nd	nd	nd	
1,1,2,2-Tetrachloroethane	0.02	nd	nd	nd	

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Analysis of Volatile Organic Compounds by EPA Method 8260

Project: Fox Ave.
Client: Floyd | Snider
Client Project #: Fox-Ave RA Task 1
Lab Project #: CHM101029-9

EPA 8260B (mg/kg)	MRL	GP-96-56.5-57.5	GP-96-59.0-60.0	GP-96-64.0-65.0	MS GP-96-44.0-45.0
Date Analyzed		11/3/10	11/3/10	11/3/10	11/3/10
Matrix		Soil	Soil	Soil	Soil
Dichlorodifluoromethane	0.06	nd	nd	nd	
Chloromethane	0.06	nd	nd	nd	
n-Propylbenzene	0.02	nd	**0.05**	**0.02**	
2-Chlorotoluene	0.02	nd	nd	nd	
4-Chlorotoluene	0.02	nd	nd	nd	
1,3,5-Trimethylbenzene	0.02	nd	**0.05**	**0.04**	
tert-Butylbenzene	0.02	nd	nd	**0.02**	
1,2,4-Trimethylbenzene	0.02	nd	**0.02**	**0.15**	
sec-Butylbenzene	0.02	nd	nd	nd	
1,3-Dichlorobenzene	0.02	nd	nd	nd	
4-Isopropyltoluene	0.02	nd	nd	nd	
1,4-Dichlorobenzene	0.02	nd	nd	nd	
1,2-Dichlorobenzene	0.02	nd	nd	**0.02**	
n-Butylbenzene	0.02	nd	nd	nd	
1,2-Dibromo-3-Chloropropane	0.03	nd	nd	nd	
1,2,4-Trichlorobenzene	0.05	nd	nd	nd	
Hexachloro-1,3-butadiene	0.10	nd	nd	nd	
Naphthalene	0.03	nd	**0.04**	**0.03**	
1,2,3-Trichlorobenzene	1.0	nd	nd	nd	
Surrogate Recovery					
Dibromofluoromethane		103%	99%	99%	102%
Toluene-d8		100%	104%	102%	101%
1-Bromo-4-fluorobenzene		97%	*int*	96%	106%

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Surrogate = 65% to 135%
LCS, MS = 65% to 135%
Surrogates and Spike Concentration = 0.5 mg/kg

Fremont Analytical

Chain of Custody Record

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Laboratory Project No (internal): CHM101029-9

Date: 10/29/2010

Page: 1 of: 2

Client: Floyd/Snider
Address: 601 Union St. Ste 600
City, State, Zip: Seattle WA 98103
Tel: 206-292-2078

Project Name: Fox Avenue
Location: Fox Avenue
Collected by: Erin Murray / Emily Santos

Reports To (PM): Tom Colligan
Fax: 206-682-7807
Email: tom.colligan@floydsnider.com
Project No: FOX-AVE RA T.1

Sample Name	Time	Sample Type (Matrix)	Container Type	Date of Collection	VOA 8260	VOA 8021B BTEX	NWTPH-Gx	NWTPH-HCID	NWTPH-Dx/Dx Ext.	SEMI VOL 8270C	PAH 8270	PCBs 8082	Cl PESTICIDES 8081	Cl HERBICIDES 8151A	Metals* Total (T) | Dissolved (D)	Anions (IC)**					Comments/Depth
1 GP-96-3.5-4.0	0840	S	4oz	10/29/10																	Archive
2 GP-96-9.0-10.0	0845				X																
3 GP-96-13.0-13.5	0850																				Archive
4 GP-96-15.0-15.5	0855				X																MS/MSD
5 GP-96-19.5-19.5	0900																				Archive
6 GP-96-35.0-36.0	0930																				Archive
7 GP-96-44.0-45.0	1045				X																
8 GP-96-47.5-48.5	1125				X																
9 GP-96-52.0-52.5	1155																				Archive
10 GP-96-56.5-57.5	1225				X																

*Metals Analysis (Circle): MTCA-5 RCRA-8 Priority Pollutants TAL *Individual:* Ag Al As B Ba Be Ca Cd Co Cr Cu Fe Hg K Mg Mn Mo Na Ni Pb Sb Se Sr Sn Ti Tl U V Zn

**Anions (Circle): Nitrate Nitrite Chloride Sulfate Bromide O-Phosphate Fluoride Nitrate+Nitrite

Relinquished	Date/Time	Received	Date/Time
x	10/29/10 1548	x	10/29/10 1548
Relinquished	Date/Time	Received	Date/Time
x		x	

Sample Receipt:	
Good?	Y
Cooler Temperature:	7.9
Seals Intact?:	N/A
Total Number of Containers:	13

Special Remarks:

TAT --> 24HR 48HR Standard

Distribution: White - Lab, Yellow - File, Pink - Originator

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Fremont Analytical

Chain of Custody Record

2930 Westlake Ave. N. Suite 100
Seattle, WA 98109
Tel: 206-352-3790
Fax: 206-352-7178

Laboratory Project No (internal): CHM101029-9

Date: 10/29/2010

Page: 2 of: 2

Client: Floyd/Snider
Address: 601 Union St. Ste. 600
City, State, Zip: Seattle, WA 98101
Tel: 206-292-2078

Project Name: FOX AVE
Location: Fox Avenue
Collected by: Erin Murray

Reports To (PM): Tom Colligan
Fax: 682-7867
Email: tom.colligan@floydsnider.com
Project No: FOX-AVE R&T 1

Sample Name	Time	Sample Type (Matrix)	Container Type	Date of Collection	VOA 8260	VOA 8021B BTEX	NWTPH-Gx	NWTPH-HCID	NWTPH-Dx/Dx Ext.	SEMI VOL 8270C	PAH 8270	PCBs 8082	Cl PESTICIDES 8081	Cl HERBICIDES 8151A	Metals* Total (T) | Dissolved (D)	Anions (IC)**					Comments/Depth
1 GP-96-59.0-60.0	1230	S	4oz	10/29/10	X																
2 GP-96-61.5-62.5	1330				X																Archive
3 GP-96-64.0-65.0	1335				X																
4																					
5																					
6																					
7																					
8																					
9																					
10																					

*Metals Analysis (Circle): MTCA-5 RCRA-8 Priority Pollutants TAL *Individual:* Ag Al As B Ba Be Ca Cd Co Cr Cu Fe Hg K Mg Mn Mo Na Ni Pb Sb Se Sr Sn Ti Tl U V Zn

**Anions (Circle): Nitrate Nitrite Chloride Sulfate Bromide O-Phosphate Fluoride Nitrate+Nitrite

Relinquished	Date/Time	Received	Date/Time
x	10/29/10 1548	x	10/29/10 1548
Relinquished	Date/Time	Received	Date/Time
x		x	

Sample Receipt:	
Good?	Y
Cooler Temperature:	7.9
Seals Intact?:	N/A
Total Number of Containers:	13

Special Remarks: to 72

TAT --> 24HR 48HR Standard

Distribution: White - Lab, Yellow - File, Pink - Originator

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info@fremontanalytical.com

Floyd | Snider
Attn: Tom Colligan
601 Union St. Ste. 600
Seattle, WA 98101

RE: Fox Ave.
Fremont Project No: CHM101101-6
Floyd | Snider Project No: MM001003

November 4th, 2010

Tom:

Enclosed are the analytical results for the ***Fox Ave.*** water samples delivered to Fremont Analytical on November 1st, 2010.

Sample Receipt:
The samples were received in good condition - in the proper containers, properly sealed, labeled and within holding time. The samples were contained in 13 -40mL VOAs preserved with HCl. The samples were received in a cooler with gel ice, with a cooler temperature of 4.8°C, which is within the laboratory recommended cooler temperature range (<4°C - 10°C). The samples were stored in a refrigeration unit at the USEPA-recommended temperature of 4°C ± 2°C. There were no sample receipt issues to report.

Sample Analysis:
Examination of these samples was conducted for the presence of the following:

- ***Volatile Organic Compounds by EPA Method 8260***

This application was performed under Washington State Department of Ecology accreditation parameters. All appropriate Quality Assurance / Quality Control method parameters have been applied. There were no sample analysis issues to report.

Please contact the laboratory if you should have any questions about the results,

Thank you for using Fremont Analytical!

Sincerely,

Michael Dee
Sr. Chemist / Principal
mikedee@fremontanalytical.com

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Seattle, WA 98109

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Analysis of Volatile Organic Compounds by EPA Method 8260

Project: Fox Ave.
Client: Floyd | Snider
Client Project #: MM001003
Lab Project #: CHM101101-6

EPA 8260B (µg/L)	MRL	Method Blank	LCS	R1-IW8-11-110110	Duplicate R1-IW8-11-110110	RPD %
Date Analyzed		11/2/10	11/2/10	11/2/10	11/3/10	
Matrix				Water	Water	
Dichlorodifluoromethane	1.0	nd		nd	nd	
Chloromethane	1.0	nd		nd	nd	
Vinyl chloride *	0.2	nd		nd	nd	
Chloroethane	1.0	nd		nd	nd	
Trichlorofluoromethane	1.0	nd		nd	nd	
1,1-Dichloroethene	1.0	nd	84%	nd	nd	
Methylene chloride	1.0	nd		nd	nd	
trans-1,2-Dichloroethene	1.0	nd		nd	nd	
1,1-Dichloroethane	1.0	nd		nd	nd	
2,2-Dichloropropane	2.0	nd		nd	nd	
cis-1,2-Dichloroethene	1.0	nd		**4.9**	**4.7**	3%
Chloroform	1.0	nd		nd	nd	
1,1-Dichloropropene	1.0	nd		nd	nd	
Carbon tetrachloride	1.0	nd		nd	nd	
1,1,1-Trichloroethane (TCA)	1.0	nd		nd	nd	
Benzene	1.0	nd	91%	nd	nd	
1,2-Dichloroethane (EDC)	1.0	nd		nd	nd	
Trichloroethene (TCE)	1.0	nd	87%	**17**	**15**	13%
1,2-Dichloropropane	1.0	nd		nd	nd	
Bromodichloromethane	1.0	nd		nd	nd	
cis-1,3-Dichloropropene	1.0	nd		nd	nd	
Toluene	1.0	nd	89%	nd	nd	
Trans-1,3-Dichloropropene	1.0	nd		nd	nd	
1,1,2-Trichloroethane	1.0	nd		nd	nd	
Tetrachloroethene (PCE)	1.0	nd		**570**	**510**	11%

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"RPD" Indicates Relative Percent Difference

Acceptable RPD is determined to be less than 30%
Acceptable Recovery Limits:
Surrogate = 65% to 135%
LCS, MS = 65% to 135%
Surrogates and Spike Concentration = 10 µg/L

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Seattle, WA 98109

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Analysis of Volatile Organic Compounds by EPA Method 8260

Project: Fox Ave.
Client: Floyd | Snider
Client Project #: MM001003
Lab Project #: CHM101101-6

EPA 8260B (µg/L)	MRL	Method Blank	LCS	R1-IW8-11-110110	Duplicate R1-IW8-11-110110	RPD %
Date Analyzed		11/2/10	11/2/10	11/2/10	11/3/10	
Matrix				Water	Water	
Dichlorodifluoromethane	1.0	nd		nd	nd	
Chloromethane	1.0	nd		nd	nd	
1,3-Dichloropropane	1.0	nd		nd	nd	
Dibromochloromethane	1.0	nd		nd	nd	
Chlorobenzene	1.0	nd	84%	nd	nd	
1,1,1,2-Tetrachloroethane	1.0	nd		nd	nd	
Ethylbenzene	1.0	nd		nd	nd	
Total Xylenes	1.0	nd		nd	nd	
1,2,3-Trichloropropane	1.0	nd		nd	nd	
1,1,2,2-Tetrachloroethane	1.0	nd		nd	nd	
2-Chlorotoluene	1.0	nd		nd	nd	
4-Chlorotoluene	1.0	nd		nd	nd	
1,3-Dichlorobenzene	1.0	nd		nd	nd	
1,4-Dichlorobenzene	1.0	nd		nd	nd	
1,2-Dichlorobenzene	1.0	nd		nd	nd	
1,2-Dibromo-3-Chloropropane	1.0	nd		nd	nd	
1,2,4-Trichlorobenzene	2.0	nd		nd	nd	
Hexachloro-1,3-butadiene	4.0	nd		nd	nd	
1,2,3-Trichlorobenzene	4.0	nd		nd	nd	
Surrogate Recovery						
Dibromofluoromethane		102%	101%	101%	101%	
Toluene-d8		101%	99%	100%	100%	
1-Bromo-4-fluorobenzene		96%	98%	101%	101%	

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Analysis of Volatile Organic Compounds by EPA Method 8260

Project: Fox Ave.
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Client Project #: MM001003
Lab Project #: CHM101101-6

EPA 8260B (µg/L)	MRL	R1-IW9-11-110110	R1-IW10-11-110110	DUP1-110110
Date Analyzed		11/2/10	11/2/10	11/2/10
Matrix		Water	Water	Water
Dichlorodifluoromethane	1.0	nd	nd	nd
Chloromethane	1.0	nd	nd	nd
Vinyl chloride *	0.2	nd	nd	nd
Chloroethane	1.0	nd	nd	nd
Trichlorofluoromethane	1.0	nd	nd	nd
1,1-Dichloroethene	1.0	nd	nd	nd
Methylene chloride	1.0	nd	nd	nd
trans-1,2-Dichloroethene	1.0	nd	nd	nd
1,1-Dichloroethane	1.0	nd	nd	nd
2,2-Dichloropropane	2.0	nd	nd	nd
cis-1,2-Dichloroethene	1.0	**5.6**	**19**	**19**
Chloroform	1.0	nd	nd	nd
1,1-Dichloropropene	1.0	nd	nd	nd
Carbon tetrachloride	1.0	nd	nd	nd
1,1,1-Trichloroethane (TCA)	1.0	nd	nd	nd
Benzene	1.0	nd	nd	nd
1,2-Dichloroethane (EDC)	1.0	nd	nd	nd
Trichloroethene (TCE)	1.0	**9.0**	**37**	**38**
1,2-Dichloropropane	1.0	nd	nd	nd
Bromodichloromethane	1.0	nd	nd	nd
cis-1,3-Dichloropropene	1.0	nd	nd	nd
Toluene	1.0	nd	nd	nd
Trans-1,3-Dichloropropene	1.0	nd	nd	nd
1,1,2-Trichloroethane	1.0	nd	nd	nd
Tetrachloroethene (PCE)	1.0	**260**	**710**	**710**

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Analysis of Volatile Organic Compounds by EPA Method 8260

Project: Fox Ave.
Client: Floyd | Snider
Client Project #: MM001003
Lab Project #: CHM101101-6

EPA 8260B (µg/L)	MRL	R1-IW9-11-110110	R1-IW10-11-110110	DUP1-110110
Date Analyzed		11/2/10	11/2/10	11/2/10
Matrix		Water	Water	Water
Dichlorodifluoromethane	1.0	nd	nd	nd
Chloromethane	1.0	nd	nd	nd
1,3-Dichloropropane	1.0	nd	nd	nd
Dibromochloromethane	1.0	nd	nd	nd
Chlorobenzene	1.0	nd	nd	nd
1,1,1,2-Tetrachloroethane	1.0	nd	nd	nd
Ethylbenzene	1.0	nd	nd	nd
Total Xylenes	1.0	nd	nd	nd
1,2,3-Trichloropropane	1.0	nd	nd	nd
1,1,2,2-Tetrachloroethane	1.0	nd	nd	nd
2-Chlorotoluene	1.0	nd	nd	nd
4-Chlorotoluene	1.0	nd	nd	nd
1,3-Dichlorobenzene	1.0	nd	nd	nd
1,4-Dichlorobenzene	1.0	nd	nd	nd
1,2-Dichlorobenzene	1.0	nd	nd	nd
1,2-Dibromo-3-Chloropropane	1.0	nd	nd	nd
1,2,4-Trichlorobenzene	2.0	nd	nd	nd
Hexachloro-1,3-butadiene	4.0	nd	nd	nd
1,2,3-Trichlorobenzene	4.0	nd	nd	nd
Surrogate Recovery				
Dibromofluoromethane		100%	99%	99%
Toluene-d8		97%	98%	99%
1-Bromo-4-fluorobenzene		100%	99%	99%

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Analysis of Volatile Organic Compounds by EPA Method 8260

Project: Fox Ave.
Client: Floyd | Snider
Client Project #: MM001003
Lab Project #: CHM101101-6

EPA 8260B (µg/L)	MRL	MS R1-IW9-11-110110
Date Analyzed		11/3/10
Matrix		Water
Dichlorodifluoromethane	1.0	
Chloromethane	1.0	
Vinyl chloride *	0.2	
Chloroethane	1.0	
Trichlorofluoromethane	1.0	
1,1-Dichloroethene	1.0	82%
Methylene chloride	1.0	
trans-1,2-Dichloroethene	1.0	
1,1-Dichloroethane	1.0	
2,2-Dichloropropane	2.0	
cis-1,2-Dichloroethene	1.0	
Chloroform	1.0	
1,1-Dichloropropene	1.0	
Carbon tetrachloride	1.0	
1,1,1-Trichloroethane (TCA)	1.0	
Benzene	1.0	87%
1,2-Dichloroethane (EDC)	1.0	
Trichloroethene (TCE)	1.0	68%
1,2-Dichloropropane	1.0	
Bromodichloromethane	1.0	
cis-1,3-Dichloropropene	1.0	
Toluene	1.0	85%
Trans-1,3-Dichloropropene	1.0	
1,1,2-Trichloroethane	1.0	
Tetrachloroethene (PCE)	1.0	

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Analysis of Volatile Organic Compounds by EPA Method 8260

Project: Fox Ave.
Client: Floyd | Snider
Client Project #: MM001003
Lab Project #: CHM101101-6

EPA 8260B (µg/L)	MRL	MS R1-IW9-11-110110
Date Analyzed		11/3/10
Matrix		Water
Dichlorodifluoromethane	1.0	
Chloromethane	1.0	
1,3-Dichloropropane	1.0	
Dibromochloromethane	1.0	
Chlorobenzene	1.0	80%
1,1,1,2-Tetrachloroethane	1.0	
Ethylbenzene	1.0	
Total Xylenes	1.0	
1,2,3-Trichloropropane	1.0	
1,1,2,2-Tetrachloroethane	1.0	
2-Chlorotoluene	1.0	
4-Chlorotoluene	1.0	
1,3-Dichlorobenzene	1.0	
1,4-Dichlorobenzene	1.0	
1,2-Dichlorobenzene	1.0	
1,2-Dibromo-3-Chloropropane	1.0	
1,2,4-Trichlorobenzene	2.0	
Hexachloro-1,3-butadiene	4.0	
1,2,3-Trichlorobenzene	4.0	

Surrogate Recovery	
Dibromofluoromethane	100%
Toluene-d8	100%
1-Bromo-4-fluorobenzene	100%

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Surrogates and Spike Concentration = 10 µg/L

Fremont ANALYTICAL

Chain of Custody Record

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Seattle, WA 98109
Tel: 206-352-3790
Fax: 206-352-7178

Laboratory Project No (internal): CHM101101-6

Date: 11-1-10

Page: 1 of: 1

Client: Floyd Snider

Address:

City, State, Zip: Seattle, WA Tel:

Project Name: Fox Ave

Location: Fox Ave

Collected by: JVeste

Reports To (PM): Tom Colligan Fax: Email: tom.colligan@FloydSnider.com Project No: mm001003

Sample Name	Time	Sample Type (Matrix)	Container Type	Date of Collection	VOA 8260	VOA 8021B BTEX	NWTPH-Gx	NWTPH-HCID	NWTPH-Dx/Dx Ext.	SEMI VOL 8270C	PAH 8270	PCBs 8082	Cl PESTICIDES 8081	Cl HERBICIDES 8151A	Metals* Total (T) | Dissolved (D)	Anions (IC)**					Comments/Depth
1 RI-IW8-11-110110	1000	GW	VOA	11/1/10	X																11ft waterra
2 RI-IW9-11-110110	1040	GW	VOA	11/1/10	X																11ft waterra
3 RI-IW10-11-110110	1030	GW	VOA	11/1/10	X																11ft waterra
4 Dup1-110110	0900	GW	VOA	11/1/10	X																11ft / RI-IW10
5																					
6																					
7																					
8																					
9																					
10																					

*Metals Analysis (Circle): MTCA-5 RCRA-8 Priority Pollutants TAL *Individual:* Ag Al As B Ba Be Ca Cd Co Cr Cu Fe Hg K Mg Mn Mo Na Ni Pb Sb Se Sr Sn Ti Tl U V Zn

**Anions (Circle): Nitrate Nitrite Chloride Sulfate Bromide O-Phosphate Fluoride Nitrate+Nitrite

Relinquished	Date/Time	Received	Date/Time
x	11-1-10 1610	x	11/1/10 16:10
Relinquished	Date/Time	Received	Date/Time
x		x	

Sample Receipt:

Good?	Y
Cooler Temperature:	4.8
Seals Intact?:	n/a
Total Number of Containers:	13

Special Remarks: cc Tom McKeon

TAT --> ~~24HR~~ 48HR Standard

Distribution: White - Lab, Yellow - File, Pink - Originator

Fox Avenue Site
Seattle, Washington

Remedial Investigation/ Feasibility Study

Appendix E
Vapor Intrusion Assessment at Seattle Boiler Works Property Report

FINAL

URS

February 2, 2011

Mr. Craig Hopkins
Seattle Boiler Works, Inc.
500 South Myrtle Street
Seattle, WA 98108

Vapor Intrusion Assessment
Seattle Boiler Works Property
500 South Myrtle Street, Seattle, WA
URS Job No. 33756383

Dear Mr. Hopkins:

INTRODUCTION

URS Corporation (URS) is pleased to present this letter report to Seattle Boiler Works, Inc. (SBW) describing the results of a Vapor Intrusion Assessment (VIA) at the SBW property (subject property) located at 500 South Myrtle Street in Seattle, Washington. The VIA was performed by URS in two phases consistent with Washington State Department of Ecology's *Guidance for Evaluating Soil Vapor Intrusion in Washington State: Investigation and Remedial Action (Review Draft, October 2009).*

The first phase was conducted in October 2010 and consisted of collecting three sub-slab soil gas samples beneath the Pipe Shop Building, and one sub-slab soil gas sample beneath the Fabrication Shop Building. As shown on Figure 1, these buildings are located downgradient of a groundwater plume (primarily chlorinated volatile organic compounds or CVOCs) originating from the Fox Avenue LLC Site.

Based on elevated concentrations of CVOCs in sub-slab soil gas samples collected during Phase 1, additional indoor air sampling was conducted as part of Phase 2 to evaluate whether or not the vapor intrusion pathway was complete, and if it was complete, whether or not the indoor air levels meet applicable Model Toxics Control Act (MTCA) Method B indoor air cleanup levels. This second phase was performed in December 2010 and consisted of collecting three indoor air samples inside the Pipe Shop Building and one ambient air sample outside of this building (Figure 1). Results of this second phase investigation indicate that there is in fact a direct vapor intrusion pathway, resulting in indoor air concentrations within the Pipe Shop Building that consistently exceed applicable MTCA Method B cleanup levels (and applicable Method C cleanup levels).

BACKGROUND

The Fox Avenue LLC property located at 6900 Fox Avenue in Seattle, Washington is the former site of a chemical handling and distribution facility operated by Great Western Chemical Company (GWCC). That property is now referred to as the Fox Avenue LLC Site. GWCC operations resulted in contamination of groundwater. The primary contaminants of concern migrating from the Fox Avenue site and affecting the SBW property are perchloroethene (PCE), trichloroethene (TCE), cis-1,2 dichloroethene (cis 1,2-DCE), and

vinyl chloride (VC). Per the terms of an Agreed Order between Ecology and Fox Avenue Building LLC (Fox Ave), an Interim Action has been initiated at the Fox Avenue LLC Site, while Fox Ave is completing the Remedial Investigation/Feasibility Study (RI/FS) and final cleanup action design as required by Ecology. The objectives of the Interim Action are to 1) remediate the VOC plume in groundwater downgradient of the Fox Avenue Site, and 2) mitigate the risk presented by CVOCs in groundwater until the final remedy is complete.

Currently, no cleanup levels have formerly been established for the Site. However, the expectation is that Ecology's cleanup levels will be MTCA Method A or B for all constituents of concern in all media (soil, groundwater, air) at least for the SBW property. If more restrictive cleanup levels are established elsewhere at the Site, then appropriate safeguards would be in place to protect the SBW from recontamination by upgradient sources at levels above MTCA Method A or B cleanup levels. We understand that institutional controls restricting future use of the SBW property are unacceptable to SBW.

PURPOSE AND SCOPE

The objective of the VIA was to evaluate whether vapor intrusion of PCE and its primary degradation products present in the shallow groundwater beneath the Site has affected indoor air quality within the SBW Pipe Shop building. The building was selected for investigation because it is located nearest to the highest PCE/TCE concentrations within groundwater CVOC plume. However, it should be noted that other buildings on the SBW property are located within or in close proximity to the groundwater CVOC plume. Soil vapor and/or indoor air have not been evaluated for potential vapor intrusion into indoor air for these other buildings. To achieve these objectives, URS implemented the following scope of work:

- Collected sub-slab soil vapor samples from four locations inside two SBW buildings using Summa canisters and analyzed the samples for PCE and degradation products using EPA Method TO-15;

- Collected three indoor air samples and one exterior air sample using Summa canisters and analyzed the samples for PCE and degradation products using EPA Method TO-15;

- Prepared this report summarizing the field activities, analytical results, and conclusions based on the results of these investigations

Prior to implementing the soil vapor and indoor air testing, URS notified Ecology to inform them of the work. Additionally, SBW notified Fox Avenue LLC and provided them an opportunity to collect the sub-slab vapor samples and indoor air samples. We understand that Fox Avenue LLC was unwilling to perform both the sub-slab vapor sampling and indoor air sampling, indicating that sub-slab sampling was not necessary to assess the vapor intrusion pathway. A tiered approach consisting of sub-slab soil gas sampling and, if necessary, subsequent indoor air testing is considered appropriate to evaluate if a potential vapor intrusion exists beneath the SBW property, and if so, whether or not the vapor intrusion pathway to indoor air was in fact complete. Knowledge of sub-slab soil vapor concentrations is important to inform future decisions regarding site remediation, future air monitoring requirements, and potential mitigation measures

associated with a complete vapor intrusion pathway to indoor air. No questions or concerns were raised by Ecology regarding this approach during these notifications.

Information regarding the SBW buildings and a description of the sampling methods and procedures are provided in the following sections.

SITE & BUILDING DESCRIPTION

The SBW property is an approximate 4.5 acre parcel comprised of several buildings under approximately 65,000 square feet of roof. The SBW facility is an active ASME fabrication shop, which is primarily engaged in fabrication and assembly of various industrial equipment items, such as boilers, pressure vessels, tanks, heat exchangers, and other industrial equipment. Current facility operations primarily consist of assembly of various components that are manufactured elsewhere.

Figure 1 shows an aerial photograph of the SBW property that illustrates the various buildings and structures on the property. This map also shows inferred groundwater concentrations of combined PCE and TCE in the shallow 1st Water Bearing Zone beneath the Site. Groundwater concentration data was obtained from CVOC plume maps prepared by Fox Avenue LLC's consultant Floyd|Snider, as presented in the Draft RI/FS report in 2009.

The building evaluated in this IAA is commonly referred to as the Pipe Shop Building. This building was constructed in the late 1940's and consists of a slab on grade with exterior walls and a concrete floor. The building is actively used by SBW for parts and equipment assembly. The building is approximately two stories high and is open from the floor to the roof. A small enclosed lunch room is located on the southeast corner of the building, as shown in Figure 1.

SAMPLING METHODS AND PROCEDURES

Sub-Slab Soil Vapor Sampling

URS conducted sub-slab soil vapor sampling and testing for PCE and its common degradation products the morning of October 28, 2010. Four indoor air samples (SSV-A through SSV-D) within the Pipe Shop and Fabrication Shop buildings were collected, as illustrated on Figure 1. The sampling methods and procedures implemented were in general conformance with Ecology's *Guidance for Evaluating Soil Vapor Intrusion in Washington State* (Ecology, 2009). The sampling was accomplished using 1-liter Summa canisters with flow controllers limiting flow to 167 milliliters per minute (mL/min). Prior to sampling, 5/8" holes were cut through the concrete slab at the four selected sampling locations, allowing access to the fill material beneath the concrete slab. Temporary sampling probes were installed by inserting ¼" outside diameter (O.D.) Teflon tubing into the holes cut through the slab. The surface was sealed using a rubber washer and modeling clay compound to prevent the sampling intake at the bottom of the hole from drawing ambient air into the sampling canister. A shroud was placed over the sampling location and a positive pressure of helium gas was maintained within the shroud during the course of sampling. Each Summa canister and flow controller setup was leak tested to verify flow controllers were functioning properly and there were no leaks in the sampling train. Using a hand pump, each sampling line was purged of at least 1L of soil vapor prior

to sampling. The purged vapor was captured in a Tedlar bag and screened using a photoionization detector (PID). Each canister and flow controller assembly was connected to the corresponding sampling line and samples were collected. With a flow rate of 167 mL/min regulated by flow controllers, each sample was collected over about a 5 minute time period. Photographs taken during sample collection are provided in Appendix A.

URS collected the samples during a light rain event, with barometric pressure readings ranging from approximately 29.88 to 29.96 inches of mercury and a temperature of approximately 45° F (Appendix B).

The Summa canisters were provided and the air testing was performed by Air Toxics Ltd. of Folsom, CA. The canisters were pre-evacuated by the laboratory and checked by URS upon receipt to ensure a proper vacuum remained in the canister. The canisters were provided with calibrated and certified flow regulator designed to allow a flow of 167 mL/min into the evacuated canister. The initial and final vacuum readings for each canister were recorded on the chain of custody. The samples were analyzed by EPA Method TO–15 and the laboratory analytical report is provided in Appendix C.

Following sample collection, the holes in the floor were patched by SBW by filling them with concrete to the original surface elevation of the floor.

Air Sampling

URS conducted indoor air sampling and testing for chlorinated VOCs, specifically PCE and its common degradation products over a a 8-hour period (8AM to 4PM) on December 12, 2010. Three indoor air samples (SBW-IA-SSVB, SBW-IA-Center and SBW-IA-Lunch) were collected within the Pipe Shop Building and one outdoor ambient (SBW-IA-AMB) air sample was collected outside of the building (Figure 1). The sampling methods and procedures implemented were in general conformance with Ecology's *Guidance for Evaluating Soil Vapor Intrusion in Washington State* (Ecology, 2009). The sampling was accomplished using 6-liter Summa canisters with 8-hour flow controllers. The canisters were set up at the interior locations at approximately 3 feet above the floor to represent a typical worker/patient seating height and breathing zone. The samples were collected during weekend hours and building windows and exterior doors remained closed during the sampling event to minimize air exchange in the building. Photographs taken during sample collection are provided in Appendix A.

URS collected the samples during a rain event with approximately 0.69 inches of rain falling during the sampling period and with barometric pressure readings ranging from approximately 29.85 to 29.94 inches of mercury and temperatures ranging from 56 to 57 °F (Appendix B).

The Summa canisters were provided and the air testing was performed by Air Toxics Ltd. of Folsom, CA. The canisters were pre-evacuated by the laboratory and checked by URS upon receipt to ensure a proper vacuum remained in the canister. The canisters were provided with calibrated and certified flow regulator designed to allow a flow 0.11 ml/min into the evacuated canister over an 8-hour period. The initial and final vacuum readings for each canister were recorded on the chain of custody. The samples were analyzed by EPA Method TO–15 and the laboratory analytical report is provided in Appendix C.

ANALYTICAL RESULTS

Sub-Slab Soil Vapor

Sub-slab soil vapor sampling results are summarized in Table 1 and the sampling locations are shown on Figure 1. PCE and its common degradation produces trichloroethylene (TCE), vinyl chloride (VC), and cis-1,2-dichloroethene (cis12DCE) were detected in samples collected from beneath the building. PCE was detected in all four samples at concentrations ranging from 1,600 micrograms per cubic meter ($\mu g/m^{3)}$ to 5,100 $\mu g/m^3$ and TCE was detected in three samples at concentrations ranging from 96 $\mu g/m^3$ to 220 $\mu g/m^3$. The sample collected at location SSV-B, near the southeast corner of the Pipe Shop Building reported the highest concentrations of both PCE and TCE in sub-slab soil vapor. Concentrations of cis-1,2-dichloroethene and vinyl chloride were reported above detection limits at the sample collected from location SSV-C, nearest the Fox Avenue LLC property and adjacent to the railway.

Consistent with Ecology's guidance for evaluating soil vapor intrusion (Ecology, 2009), URS compared soil vapor analytical results to MTCA Method B vapor screening levels for unrestricted land use. All of the soil vapor PCE concentrations exceed the applicable unrestricted land use screening level (Table 1), as do three TCE concentrations (SSV-B, SSV-C, and SSV-D) and one vinyl chloride concentration (SSV-C).

Indoor Air

The indoor air sampling results are summarized in Table 1 and the sampling locations are shown on Figure 1. An indoor air sample was collected nearly coincident with soil vapor sample SSV-B because of the high concentrations of PCE and TCE reported in the sub-slab vapor sample. PCE and its common degradation products TCE, VC and cis1, 2 DCE were detected in all three air samples within the building, as well as the ambient air sample, at concentrations above laboratory reporting limits. PCE concentrations in indoor air ranged from 4.0 $\mu g/m^3$ to 4.5 $\mu g/m^3$. The highest concentration of PCE (4.5 $\mu g/m^3$) was detected at location SBW-IA-Lunch, in the employee lunchroom inside the Pipe Shop Building. TCE concentrations in indoor ranged from 0.34 $\mu g/m^3$ to 0.44 $\mu g/m^3$. The highest concentration of TCE (0.44 $\mu g/m^3$) was detected at location SBW-IA-SSVB. VC concentrations ranged from 0.13 $\mu g/m^3$ to 0.22 $\mu g/m^3$, and cis- 1,2 DCE concentrations ranged from 0.27 $\mu g/m^3$ to 0.42 $\mu g/m^3$. CVOCs were detected in the ambient air sample (SBW-IA-AMB) collected outside of the building (Figure 1) at concentrations less than those reported in indoor air, with the exception of vinyl chloride, which was reported at a concentration of 0.16 $\mu g/m^3$.

Consistent with Ecology's guidance for evaluating soil vapor intrusion (Ecology, 2009), URS compared indoor air results to MTCA Method B indoor air cleanup levels for unrestricted land use. All of the indoor air PCE and TCE concentrations exceed the applicable unrestricted land use cleanup levels (Table 1).

CONCLUSIONS & RECOMMENDATIONS

The following conclusions are based on the findings of the VIA described above.

- The sub-slab soil vapor sampling performed in October 2010 beneath the Pipe Shop Building identified PCE in all sub-slab soil vapor samples at concentrations exceeding the applicable MTCA Method B soil gas screening levels. Concentrations of TCE exceeding the MTCA B soil gas screening levels were identified in three samples collected beneath the Pipe Shop Building. The soil vapor sample collected at location SSV-C, nearest the Fox Avenue property also reported detectable concentrations of cis-1,2-dichloroethene, and vinyl chloride. The vinyl chloride concentration in soil gas at location SSV-C also exceeds MTCA Method B shallow soil gas screening criteria.

- The indoor air sampling performed in December 2010 beneath the Pipe Shop Building identified PCE and TCE in the indoor air at concentrations exceeding applicable MTCA B cleanup levels. The ambient air sample collected on the east side of the building also detected these compounds, but generally at lower levels compared to indoor air samples. Vinyl chloride and cis-1,2-DCE were also reported at concentrations exceeding laboratory detection limits, however these concentrations do not exceed the applicable cleanup levels.

- The detection of elevated levels of CVOCs in shallow soil gas samples demonstrate that a potential vapor intrusion risk is present at the SBW property from CVOC contaminated groundwater beneath the SBW property originating from the Fox Avenue LLC Site. Additional assessment of sub-slab soil gas concentrations and/or indoor air at all buildings and covered/enclosed work spaces on the SBW property would be appropriate given the relatively high concentrations of CVOCs detected beneath the Pipe Shop Building compared to established soil gas screening levels.

- The available data demonstrate a complete groundwater to vapor and vapor to indoor air pathway beneath the SBW property. Indoor air levels in the Pipe Shop Building are unacceptable based on Ecology guidance. Based on these data, further vapor intrusion and indoor air assessments should be undertaken in a timely manner to fully characterize indoor air impacts to the SBW property. This assessment should be expanded to all buildings and covered/enclosed work spaces at the SBW property.

- We understand that the currently proposed Site cleanup levels by Fox Avenue LLC do not consider protection of human health from a vapor intrusion pathway. The data reported herein clearly demonstrate a complete vapor to indoor air pathway at the SBW property. As such, we recommend that Ecology establish, in consultation with SBW, groundwater cleanup levels beneath the SBW property that are protective of indoor air quality. Cleanup levels on the SBW property should be appropriate for unrestricted land use. We understand institutional controls that would restrict the future use and development of the SBW property are unacceptable to SBW as a means to allow concentrations of contaminants to remain on the SBW Property above concentrations applicable to unrestricted land use – especially in light of the vapor intrusion data presented herein.

- Active mitigation measures are appropriate to address the identified indoor air impacts. Implementation of a soil vapor extraction system on the SBW property should be considered as an

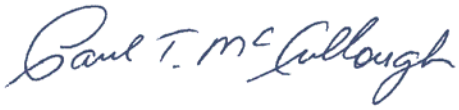
interim measure until more permanent and aggressive measures can be undertaken as part of the final cleanup action which should require reduction of groundwater contamination to concentrations which are protective of human health and the environment especially in relation to the soil gas to indoor air vapor pathway.

We trust this letter report meets your requirements. If you have any questions or require additional information, please call us at (206) 438-2700.

Sincerely,

URS CORPORATION

Jessica Wellmeyer
Geologist



Paul McCullough, PE
Senior Project Engineer

Attachments

Table 1 – Soil Vapor and Indoor Air Analytical Results
Figure 1 – Site and Sampling Locations
Appendix A – Site Photographs
Appendix B – Meterological Data
Appendix C – Analytical Reports

Copy: John Houlihan, Houlihan Law
Roy Elliott, URS Corporation

TABLES

TABLE 1
SUMMARY OF SOIL VAPOR AND INDOOR AIR ANALYTICAL RESULTS
SEATTLE BOILER WORKS PROPERTY - SEATTLE, WASHINGTON

Sub-Slab Soil Vapor Results

Sample Id	Date	Depth	Units	PCE	TCE	cis 1,2-DCE	trans-1,2 DCE	VC
SVA-A	10/28/10	Subslab	µg/m^3	**1,600**	ND(<6.4)	ND(<4.7)	ND (<4.7)	ND(<3.0)
SVA-B	10/28/10	Subslab	µg/m^3	**5,100**	**220**	ND(<12)	ND(<12)	ND(<7.6)
SVA-C	10/28/10	Subslab	µg/m^3	**1,800**	**120**	26	ND(<11)	**18**
SVA-D	10/28/10	Subslab	µg/m^3	**2,800**	**96**	ND (<4.6)	ND(<4.6)	ND(<3.0)
Applicable Regulatory Levels								
MTCA Method B Soil Gas Screening Level	--	shallow	µg/m^3	4.2	1	160	320	2.8

Indoor Air Results

Sample Id	Date	Depth	Units	PCE	TCE	cis 1,2-DCE	trans-1,2 DCE	VC
SBW-IA-AMB	12/12/10	Ambient Air	µg/m^3	1.5	0.20	0.22	ND(<0.13)	0.16
SBW-IA-SSVB	12/12/10	Indoor Air	µg/m^3	**4.4**	**0.44**	0.42	ND(<0.13)	0.22
SBW-IA-Lunch	12/12/10	Indoor Air	µg/m^3	**4.5**	**0.34**	0.27	ND(<0.13)	0.13
SBW-IA-Center	12/12/10	Indoor Air	µg/m^3	**4.0**	**0.41**	0.41	ND(<0.12)	0.21
Applicable Regulatory Levels								
MTCA Method B Indoor Air CUL	--	--	µg/m^3	0.42	0.1	16	32	0.28

Notes:

µg/m^3 = micrograms per cubic meter

Bold values exceed applicable MTCA Method B soil gas screening levels or Method B indoor air cleanup levels

CUL = Indoor Air Cleanup Level

ND = Not Detected (above indicated reporting limit)

PCE = tetrachloroethene cis-1,1-DCE = cis-1,2-dichloroethene

TCE = trichloroethene trans-1,1-DCE = trans-1,2-dichloroethene

VC = vinyl chloride

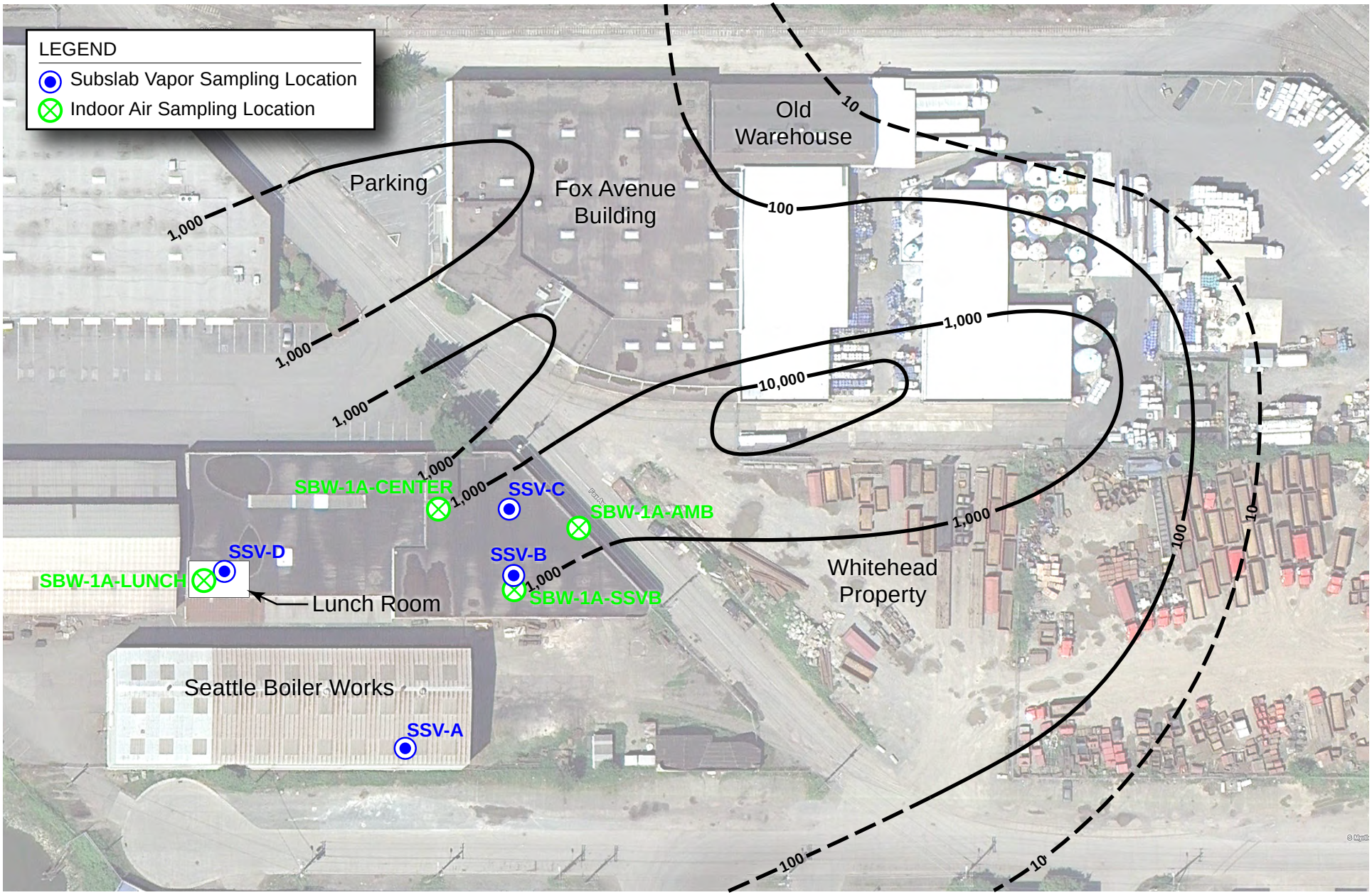
MTCA Method B is described in WAC 173-340 for calculating cleanup levels for unrestricted land use

Soil Gas Screening Levels are based on Ecology's Draft Guidance for Soil Vapor Intrusion (October 2009)

Soil Gas Screening Levels for PCE, TCE, and VC are based on carcinogenity

Soil Gas Screening Levels for cis-1,2 DCE and trans-1,2 DCE are based on non-carcinogenity

FIGURES



Source: (1) Floyd | Snider, Draft Feasibility Study, Figure 2.6A Maximum PCE and TCE Concentrations in Groundwater in 1st Water Bearing Zone; (2) Google Earth Pro, 2010

Job No. 33756383

Figure 1

Soil Vapor and Indoor Air Sampling

URS

Seattle Boiler Works Property
500 S. Myrtle Street
Seattle, Washington

APPENDIX A
SITE PHOTOGRAPHS

Photograph No: 1 Sub-slab soil vapor sampling location SSV-B, near former borehole 3-9 inside SBW tube shop building

Photograph No: 2 Sub-slab soil vapor sampling train set up at SSV-B

Photograph No: 3 Indoor air sampling location SBW-IA-LUNCH in lunchroom located in southwest corner of tube shop building

Photograph No: 4 Indoor air sampling location SBW-IA-SSVB in the main portion of the tube shop

APPENDIX B
METEROLOGICAL DATA

Past Weather Conditions for KBFI

Observations prior to selected time: October 29, 2010 - 00:00 PDT

Weather Conditions at October 29, 2010 - 0:00 PDT

	0:00	24 Hour Max	24 Hour Min
Temperature	51.8° F	60.1 at 1:53	51.8 at 0:00
Dew Point	46.4° F	48.0 at 14:53	35.1 at 1:53
Relative Humidity	82%	83 at 20:53	39 at 1:53
Wind Speed	0 mph	9 at 1:53	0 at 4:53
Wind Gust	-	20 at 1:53	20 at 1:53
Pressure	30.01 in	30.01 at 23:53	29.87 at 2:53
Sea level pressure	-	30.02 at 23:53	29.89 at 2:53
Altimeter	30.03 in	30.03 at 23:53	29.89 at 2:53
Weather conditions	lt rain	-	-
Visibility	7.00 miles	10.00 at 0:53	6.00 at 23:53
Ceiling	2200 feet	10000 at 0:53	2200 at 0:00

Precipitation variable accumulated	Since Midnight	In 24 Hours
Precipitation 1hr	0.00"	0.10"
Precipitation 6hr	0.00"	0.04"

Tabular Listing: October 27, 2010 - 23:00 through October 29, 2010 - 00:00 PDT

Time (PDT)	Temperature	Dew Point	Relative Humidity	Wind Speed	Wind Gust	Wind Direction	Quality check	Pressure	Sea level pressure	Altimeter	Weather conditions	Visibility	Precipitation 1hr	Precipitation 3hr	Precipitation 6hr	Ceili
	° F	° F	%	mph	mph			in	in	in		miles	in	in	in	fee
0:00	51.8	46.4	82	0			OK	30.01		30.03	lt rain	7.00	0.00			220
23:53	52.0	46.9	83	0			OK	30.01	30.02	30.03	lt rain	6.00	0.01			360
22:53	53.1	46.9	80	0			OK	29.99	30.01	30.01	overcast	10.00				450
21:53	53.1	46.0	77	0			OK	29.98	30.00	30.00	overcast	10.00				480
20:53	53.1	48.0	83	0			OK	29.99	30.01	30.01	overcast	10.00				500
19:53	54.0	46.9	77	0			OK	29.98	30.00	30.00	overcast	10.00				470
18:53	54.0	46.9	77	0			OK	29.97	29.98	29.99	overcast	10.00				600
17:53	54.0	46.9	77	5		SE	OK	29.96	29.98	29.98	overcast	10.00				700
16:53	54.0	48.0	80	5		SE	OK	29.95	29.97	29.97	overcast	10.00	0.00			800
15:53	54.0	48.0	80	6		SE	OK	29.96	29.97	29.98	overcast	10.00	0.02			300
14:53	54.0	48.0	80	7		SE	OK	29.96	29.98	29.98	lt rain	10.00	0.01			380
13:53	54.0	46.9	77	7		SE	OK	29.96	29.98	29.98	partly cloudy	10.00	0.00			
12:53	54.0	46.9	77	5		S	OK	29.97	29.99	29.99	overcast	10.00	0.01			460
11:53	55.0	46.0	72	5		S	OK	29.96	29.97	29.98	overcast	10.00				500
10:53	54.0	45.0	72	5		SSE	OK	29.94	29.96	29.96	overcast	10.00	0.00		0.04	500
9:53	53.1	46.0	77	3		SE	OK	29.93	29.94	29.95	lt rain	10.00	0.01			500
8:53	54.0	44.1	69	6		ESE	OK	29.92	29.94	29.94	lt rain	10.00	0.01			500
7:53	53.1	46.0	77	0			OK	29.89	29.91	29.91	lt rain	10.00	0.01	0.02		460
6:53	53.1	45.0	74	0			OK	29.88	29.90	29.90	lt rain	10.00	0.00			600
5:53	55.0	43.0	64	0			OK	29.88	29.90	29.90	lt rain	10.00	0.01			500
4:53	55.0	42.1	62	0			OK	29.87	29.89	29.89	overcast	10.00			0.00	600
3:53	57.0	39.0	51	9		ESE	OK	29.88	29.90	29.90	overcast	10.00	0.00			650
2:53	59.0	35.6	41	7		SE	OK	29.87	29.89	29.89	overcast	10.00				800
1:53	60.1	35.1	39	9	20	ESE	OK	29.88	29.89	29.90	overcast	10.00	0.00			100

0:53	57.9	37.0	46	3	ESE	OK	29.88	29.90	29.90	mostly cloudy	10.00	100
23:53	59.0	35.6	41	3	ESE	OK	29.89	29.91	29.91	overcast	10.00	90(

Past Weather Conditions for KBFI

Observations prior to selected time: December 13, 2010 - 00:00 PST

Weather Conditions at December 12, 2010 - 23:53 PST

	23:53	24 Hour Max	24 Hour Min
Temperature	55.0° F	57.9 at 2:53	51.1 at 0:53
Dew Point	51.1° F	55.0 at 1:53	50.0 at 0:53
Relative Humidity	86%	96 at 0:53	84 at 16:53
Wind Speed	7 mph from SSW	17 at 4:53	5 at 23:00
Wind Gust	-	32 at 4:53	17 at 10:53
Pressure	29.94 in	29.95 at 22:53	29.82 at 4:53
Sea level pressure	29.96 in	29.96 at 22:53	29.83 at 5:53
Altimeter	29.96 in	29.97 at 22:53	29.84 at 4:53
Weather conditions	overcast	-	-
Visibility	10.00 miles	10.00 at 14:53	3.00 at 0:53
Ceiling	4300 feet	6500 at 23:00	1200 at 0:53

Precipitation variable accumulated	Since Midnight	In 24 Hours
Precipitation 1hr	0.00"	2.24"
Precipitation 6hr	0.00"	1.66"

Tabular Listing: December 11, 2010 - 23:00 through December 13, 2010 - 00:00 PST

Time (PST)	Temperature	Dew Point	Relative Humidity	Wind Speed	Wind Gust	Wind Direction	Quality check	Pressure	Sea level pressure	Altimeter	Weather conditions	Visibility	Precipitation 1hr	Precipitation 3hr	Precipitation 6hr	Precip 24
	° F	° F	%	mph	mph			in	in	in		miles	in	in	in	
23:53	55.0	51.1	86	7		SSW	OK	29.94	29.96	29.96	overcast	10.00				
23:00	55.4	51.8	88	5		SSW	OK	29.95		29.97	overcast	10.00				
22:53	55.0	51.1	86	8		SSW	OK	29.95	29.96	29.97	overcast	10.00				
18:53	55.0	51.1	86	10	24	S	OK	29.94	29.96	29.96	mostly cloudy	10.00				
17:53	55.0	52.0	89	9	18	S	OK	29.94	29.95	29.96	mostly cloudy	10.00				
16:53	55.9	51.1	84	13	20	S	OK	29.94	29.96	29.96	mostly cloudy	10.00				
15:53	55.9	52.0	87	15	22	S	OK	29.93	29.95	29.95	overcast	10.00			0.29	
14:53	55.9	53.1	90	15	25	S	OK	29.92	29.94	29.94	overcast	10.00				
13:53	55.9	53.1	90	12	23	SSW	OK	29.93	29.94	29.95	lt rain, fog	3.00	0.02			
12:53	55.9	53.1	90	13	18	S	OK	29.91	29.93	29.93	lt rain, fog	3.00	0.02	0.27		
11:53	55.9	53.1	90	13	18	S	OK	29.91	29.93	29.93	lt rain, fog	5.00	0.07			
10:53	55.9	53.1	90	10	17	S	OK	29.92	29.94	29.94	lt rain, fog	3.00	0.18			
9:53	57.0	53.1	87	12	21	S	OK	29.90	29.91	29.92	mod rain, fog	4.00	0.19			
8:53	57.0	53.1	87	12	26	S	OK	29.86	29.88	29.88	mod rain, fog	4.00	0.21			
											mod					

7:53	57.0	54.0	89	9	21	S	OK	29.85	29.87	29.87	rain, fog	4.00	0.29			
6:53	57.9	54.0	87	12	22	S	OK	29.84	29.86	29.86	mod rain, fog	3.00	0.25	0.39		
6:22	57.2	53.6	88	13		S	OK	29.83		29.85	mod rain, fog	3.00	0.11			
6:00	57.2	53.6	88	13	23	S	OK	29.82		29.84	mod rain, fog	5.00	0.01			
5:53	57.9	54.0	87	13	26	S	OK	29.82	29.83	29.84	lt rain, fog	5.00	0.09			
4:53	57.9	54.0	87	17	32	S	OK	29.82	29.84	29.84	lt rain	9.00	0.05			
3:53	57.9	54.0	87	10	24	S	OK	29.85	29.87	29.87	lt rain, fog	3.00	0.16		1.37	2.
2:53	57.9	55.0	90	13	22	SSE	OK	29.86	29.88	29.88	lt rain, fog	5.00	0.22			
1:53	57.0	55.0	93	10	22	S	OK	29.85	29.87	29.87	mod rain, fog	3.00	0.23			
0:53	51.1	50.0	96	9		SE	OK	29.85	29.87	29.87	mod rain, fog	3.00	0.26			
23:53	48.9	48.0	97	5		SSE	OK	29.86	29.88	29.88	mod rain, fog	3.00	0.24			
23:00	48.2	46.4	93	6		SSE	OK	29.86		29.88	mod rain, fog	2.50	0.03			

APPENDIX C
ANALYTICAL

Air Toxics LTD.
Laboratory Services Since 1989

11/11/2010
Mr. Paul McCullough
URS Corporation
1501 4th Avenue
Suite 1400
Seattle WA 98101-1616

Project Name: Seattle Boiler
Project #: 33756383
Workorder #: 1010611B

Dear Mr. Paul McCullough

The following report includes the data for the above referenced project for sample(s) received on 10/29/2010 at Air Toxics Ltd.

The data and associated QC analyzed by Modified ASTM D-1946 are compliant with the project requirements or laboratory criteria with the exception of the deviations noted in the attached case narrative.

Thank you for choosing Air Toxics Ltd. for your air analysis needs. Air Toxics Ltd. is committed to providing accurate data of the highest quality. Please feel free to contact the Project Manager: Karen Lopez at 916-985-1000 if you have any questions regarding the data in this report.

Regards,

Karen Lopez

Project Manager

Air Toxics LTD.
Laboratory Services Since 1989

WORK ORDER #: 1010611B

Work Order Summary

CLIENT:	Mr. Paul McCullough URS Corporation 1501 4th Avenue Suite 1400 Seattle, WA 98101-1616	**BILL TO:**	Accounts Payable Austin URS Corporation P.O. BOX 203970 Austin, TX 78720-1088
PHONE:	206-438-2700	**P.O. #**	239850-US
FAX:	206-438-2699	**PROJECT #**	33756383 Seattle Boiler
DATE RECEIVED:	10/29/2010	**CONTACT:**	Karen Lopez
DATE COMPLETED:	11/11/2010		

FRACTION #	NAME	TEST	RECEIPT VAC./PRES.	FINAL PRESSURE
01A	SSV-A	Modified ASTM D-1946	4.5 "Hg	15 psi
02A	SSV-B	Modified ASTM D-1946	3.0 "Hg	15 psi
03A	SSV-C	Modified ASTM D-1946	3.5 "Hg	15 psi
04A	SSV-D	Modified ASTM D-1946	4.0 "Hg	15 psi
05A	Lab Blank	Modified ASTM D-1946	NA	NA
06A	LCS	Modified ASTM D-1946	NA	NA
06AA	LCSD	Modified ASTM D-1946	NA	NA

CERTIFIED BY: Linda D. Frumarn DATE: 11/11/10

Laboratory Director

Certfication numbers: CA NELAP - 02110CA, LA NELAP/LELAP- AI 30763,
NY NELAP - 11291, UT NELAP - 9166389892, AZ Licensure AZ0719
Name of Accrediting Agency: NELAP/Florida Department of Health, Scope of Application: Clean Air Act,
Accreditation number: E87680, Effective date: 07/01/09, Expiration date: 06/30/11
Air Toxics Ltd. certifies that the test results contained in this report meet all requirements of the NELAC standards

180 BLUE RAVINE ROAD, SUITE B FOLSOM, CA - 95630
(916) 985-1000 . (800) 985-5955 . FAX (916) 985-1020

LABORATORY NARRATIVE
Modified ASTM D-1946
URS Corporation
Workorder# 1010611B

Four 1 Liter Summa Canister samples were received on October 29, 2010. The laboratory performed analysis via Modified ASTM Method D-1946 for Helium in air using GC/TCD. The method involves direct injection of 1.0 mL of sample.

Method modifications taken to run these samples are summarized in the table below. Specific project requirements may over-ride the ATL modifications.

Requirement	***ASTM D-1946***	***ATL Modifications***
Calibration	A single point calibration is performed using a reference standard closely matching the composition of the unknown.	A 3-point calibration curve is performed. Quantitation is based on a daily calibration standard which may or may not resemble the composition of the associated samples.
Reference Standard	The composition of any reference standard must be known to within 0.01 mol % for any component.	The standards used by ATL are blended to a >/= 95% accuracy.
Sample Injection Volume	Components whose concentrations are in excess of 5 % should not be analyzed by using sample volumes greater than 0.5 mL.	The sample container is connected directly to a fixed volume sample loop of 1.0 mL on the GC. Linear range is defined by the calibration curve. Bags are loaded by vacuum.
Normalization	Normalize the mole percent values by multiplying each value by 100 and dividing by the sum of the original values. The sum of the original values should not differ from 100% by more than 1.0%.	Results are not normalized. The sum of the reported values can differ from 100% by as much as 15%, either due to analytical variability or an unusual sample matrix.
Precision	Precision requirements established at each concentration level.	Duplicates should agree within 25% RPD for detections > 5 X's the RL.

Receiving Notes

There were no receiving discrepancies.

Analytical Notes

There were no analytical discrepancies.

Definition of Data Qualifying Flags

Seven qualifiers may have been used on the data analysis sheets and indicate as follows:
B - Compound present in laboratory blank greater than reporting limit.
J - Estimated value.
E - Exceeds instrument calibration range.
S - Saturated peak.
Q - Exceeds quality control limits.
U - Compound analyzed for but not detected above the detection limit.
M - Reported value may be biased due to apparent matrix interferences.
File extensions may have been used on the data analysis sheets and indicates as follows:
a-File was requantified
b-File was quantified by a second column and detector
r1-File was requantified for the purpose of reissue

Air Toxics LTD.
Laboratory Services Since 1989

Summary of Detected Compounds
NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946

Client Sample ID: SSV-A

Lab ID#: 1010611B-01A

Compound	Rpt. Limit (%)	Amount (%)
Helium	0.12	30

Client Sample ID: SSV-B

Lab ID#: 1010611B-02A

Compound	Rpt. Limit (%)	Amount (%)
Helium	0.11	33

Client Sample ID: SSV-C

Lab ID#: 1010611B-03A

Compound	Rpt. Limit (%)	Amount (%)
Helium	0.11	29

Client Sample ID: SSV-D

Lab ID#: 1010611B-04A

Compound	Rpt. Limit (%)	Amount (%)
Helium	0.12	0.23

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Client Sample ID: SSV-A

Lab ID#: 1010611B-01A

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946

File Name:	**9102922b**	**Date of Collection: 10/28/10 9:51:00 AM**	
Dil. Factor:	**2.38**	**Date of Analysis: 10/29/10 07:28 PM**	

Compound	**Rpt. Limit (%)**	**Amount (%)**
Helium	0.12	30

Container Type: 1 Liter Summa Canister

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Client Sample ID: SSV-B

Lab ID#: 1010611B-02A

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946

File Name:	**9102923b**	**Date of Collection: 10/28/10 8:06:00 AM**	
Dil. Factor:	**2.24**	**Date of Analysis: 10/29/10 07:52 PM**	

Compound	**Rpt. Limit (%)**	**Amount (%)**
Helium	0.11	33

Container Type: 1 Liter Summa Canister

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: SSV-C

Lab ID#: 1010611B-03A

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946

File Name:	**9102924b**	**Date of Collection: 10/28/10 8:47:00 AM**	
Dil. Factor:	**2.29**	**Date of Analysis: 10/29/10 08:21 PM**	

Compound	**Rpt. Limit (%)**	**Amount (%)**
Helium	0.11	29

Container Type: 1 Liter Summa Canister

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: SSV-D

Lab ID#: 1010611B-04A

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946

File Name:	**9102925b**	**Date of Collection: 10/28/10 9:19:00 AM**	
Dil. Factor:	**2.33**	**Date of Analysis: 10/29/10 08:43 PM**	

Compound	**Rpt. Limit (%)**	**Amount (%)**
Helium	0.12	0.23

Container Type: 1 Liter Summa Canister

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: Lab Blank

Lab ID#: 1010611B-05A

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946

File Name:	**9102904b**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 10/29/10 10:02 AM**	

Compound	**Rpt. Limit (%)**	**Amount (%)**
Helium	0.050	Not Detected

Container Type: NA - Not Applicable

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: LCS

Lab ID#: 1010611B-06A

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946

File Name:	**9102902b**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 10/29/10 09:19 AM**	

Compound	%Recovery
Helium	98

Container Type: NA - Not Applicable

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: LCSD

Lab ID#: 1010611B-06AA

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946

File Name:	**9102929b**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 10/29/10 10:13 PM**	

Compound	**%Recovery**
Helium	98

Container Type: NA - Not Applicable

Air Toxics LTD.
Laboratory Services Since 1989

12/30/2010
Mr. Paul McCullough
URS Corporation
1501 4th Avenue
Suite 1400
Seattle WA 98101-1616

Project Name: Seattle Boiler-Fox Ave
Project #: 33756383.00001
Workorder #: 1012301

Dear Mr. Paul McCullough

The following report includes the data for the above referenced project for sample(s) received on 12/14/2010 at Air Toxics Ltd.

The data and associated QC analyzed by Modified TO-15 SIM are compliant with the project requirements or laboratory criteria with the exception of the deviations noted in the attached case narrative.

Thank you for choosing Air Toxics Ltd. for your air analysis needs. Air Toxics Ltd. is committed to providing accurate data of the highest quality. Please feel free to contact the Project Manager: Karen Lopez at 916-985-1000 if you have any questions regarding the data in this report.

Regards,

Karen Lopez

Project Manager

Air Toxics LTD.
Laboratory Services Since 1989

WORK ORDER #: 1012301

Work Order Summary

CLIENT:	Mr. Paul McCullough URS Corporation 1501 4th Avenue Suite 1400 Seattle, WA 98101-1616	**BILL TO:**	Accounts Payable Austin URS Corporation P.O. BOX 203970 Austin, TX 78720-1088
PHONE:	206-438-2700	**P.O. #**	239850-US
FAX:	206-438-2699	**PROJECT #**	33756383.00001 Seattle Boiler-Fox Ave
DATE RECEIVED:	12/14/2010	**CONTACT:**	Karen Lopez
DATE COMPLETED:	12/30/2010		

FRACTION #	NAME	TEST	RECEIPT VAC./PRES.	FINAL PRESSURE
01A	SBW-IA-SSVB	Modified TO-15 SIM	5.5 "Hg	5 psi
02A	SBW-IA-LUNCH	Modified TO-15 SIM	5.5 "Hg	5 psi
03A	SBW-IA-AMB	Modified TO-15 SIM	5.0 "Hg	5 psi
04A	SBW-IA-CENTER	Modified TO-15 SIM	4.5 "Hg	5 psi
05A	Lab Blank	Modified TO-15 SIM	NA	NA
06A	CCV	Modified TO-15 SIM	NA	NA
07A	LCS	Modified TO-15 SIM	NA	NA
07AA	LCSD	Modified TO-15 SIM	NA	NA

CERTIFIED BY: Linda D. Frumarn DATE: 12/30/10

Laboratory Director

Certfication numbers: CA NELAP - 02110CA, LA NELAP/LELAP- AI 30763,
NY NELAP - 11291, UT NELAP - 9166389892, AZ Licensure AZ0719
Name of Accrediting Agency: NELAP/Florida Department of Health, Scope of Application: Clean Air Act,
Accreditation number: E87680, Effective date: 07/01/09, Expiration date: 06/30/11
Air Toxics Ltd. certifies that the test results contained in this report meet all requirements of the NELAC standards

180 BLUE RAVINE ROAD, SUITE B FOLSOM, CA - 95630
(916) 985-1000 . (800) 985-5955 . FAX (916) 985-1020

LABORATORY NARRATIVE
Modified TO-15 SIM
URS Corporation
Workorder# 1012301

Four 6 Liter Summa Canister (SIM Certified) samples were received on December 14, 2010. The laboratory performed analysis via modified EPA Method TO-15 using GC/MS in the SIM acquisition mode.

This workorder was independently validated prior to submittal using 'USEPA National Functional Guidelines' as generally applied to the analysis of volatile organic compounds in air. A rules-based, logic driven, independent validation engine was employed to assess completeness, evaluate pass/fail of relevant project quality control requirements and verification of all quantified amounts.

Method modifications taken to run these samples are summarized in the table below. Specific project requirements may over-ride the ATL modifications.

Requirement	***TO-15***	***ATL Modifications***
ICAL %RSD acceptance criteria	</=30% RSD with 2 compounds allowed out to < 40% RSD	Project specific; default criteria is </=30% RSD with 10% of compounds allowed out to < 40% RSD
Daily Calibration	+- 30% Difference	Project specific; default criteria is </= 30% Difference with 10% of compounds allowed out up to </=40%.; flag and narrate outliers
Blank and standards	Zero air	Nitrogen
Method Detection Limit	Follow 40CFR Pt.136 App. B	The MDL met all relevant requirements in Method TO-15 (statistical MDL less than the LOQ). The concentration of the spiked replicate may have exceeded 10X the calculated MDL in some cases

Receiving Notes

There were no receiving discrepancies.

Analytical Notes

There were no analytical discrepancies.

Definition of Data Qualifying Flags

Eight qualifiers may have been used on the data analysis sheets and indicates as follows:

B - Compound present in laboratory blank greater than reporting limit (background subtraction not performed).

J - Estimated value.

E - Exceeds instrument calibration range.

S - Saturated peak.

Q - Exceeds quality control limits.

U - Compound analyzed for but not detected above the reporting limit.

UJ- Non-detected compound associated with low bias in the CCV

N - The identification is based on presumptive evidence.

File extensions may have been used on the data analysis sheets and indicates as follows:

a-File was requantified
b-File was quantified by a second column and detector
r1-File was requantified for the purpose of reissue

Air Toxics LTD.
Laboratory Services Since 1989

Summary of Detected Compounds
MODIFIED EPA METHOD TO-15 GC/MS SIM

Client Sample ID: SBW-IA-SSVB

Lab ID#: 1012301-01A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	0.016	0.086	0.042	0.22
cis-1,2-Dichloroethene	0.033	0.11	0.13	0.42
Trichloroethene	0.0049	0.081	0.026	0.44
Tetrachloroethene	0.033	0.65	0.22	4.4

Client Sample ID: SBW-IA-LUNCH

Lab ID#: 1012301-02A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	0.016	0.052	0.042	0.13
cis-1,2-Dichloroethene	0.033	0.068	0.13	0.27
Trichloroethene	0.0049	0.064	0.026	0.34
Tetrachloroethene	0.033	0.67	0.22	4.5

Client Sample ID: SBW-IA-AMB

Lab ID#: 1012301-03A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	0.016	0.063	0.041	0.16
cis-1,2-Dichloroethene	0.032	0.057	0.13	0.22
Trichloroethene	0.0048	0.036	0.026	0.20
Tetrachloroethene	0.032	0.23	0.22	1.5

Client Sample ID: SBW-IA-CENTER

Lab ID#: 1012301-04A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	0.016	0.081	0.040	0.21
cis-1,2-Dichloroethene	0.032	0.10	0.12	0.41
Trichloroethene	0.0047	0.076	0.025	0.41
Tetrachloroethene	0.032	0.59	0.21	4.0

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: SBW-IA-SSVB

Lab ID#: 1012301-01A

MODIFIED EPA METHOD TO-15 GC/MS SIM

File Name:	**c122106**	**Date of Collection: 12/12/10 4:28:00 PM**	
Dil. Factor:	**1.64**	**Date of Analysis: 12/21/10 12:47 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	0.016	0.086	0.042	0.22
cis-1,2-Dichloroethene	0.033	0.11	0.13	0.42
Trichloroethene	0.0049	0.081	0.026	0.44
Tetrachloroethene	0.033	0.65	0.22	4.4
trans-1,2-Dichloroethene	0.033	Not Detected	0.13	Not Detected

Container Type: 6 Liter Summa Canister (SIM Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	101	70-130
Toluene-d8	96	70-130
4-Bromofluorobenzene	99	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: SBW-IA-LUNCH

Lab ID#: 1012301-02A

MODIFIED EPA METHOD TO-15 GC/MS SIM

File Name:	**c122107**	**Date of Collection: 12/12/10 4:16:00 PM**	
Dil. Factor:	**1.64**	**Date of Analysis: 12/21/10 01:32 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	0.016	0.052	0.042	0.13
cis-1,2-Dichloroethene	0.033	0.068	0.13	0.27
Trichloroethene	0.0049	0.064	0.026	0.34
Tetrachloroethene	0.033	0.67	0.22	4.5
trans-1,2-Dichloroethene	0.033	Not Detected	0.13	Not Detected

Container Type: 6 Liter Summa Canister (SIM Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	101	70-130
Toluene-d8	96	70-130
4-Bromofluorobenzene	98	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: SBW-IA-AMB

Lab ID#: 1012301-03A

MODIFIED EPA METHOD TO-15 GC/MS SIM

File Name:	**c122108**	**Date of Collection: 12/12/10 4:39:00 PM**	
Dil. Factor:	**1.61**	**Date of Analysis: 12/21/10 02:05 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	0.016	0.063	0.041	0.16
cis-1,2-Dichloroethene	0.032	0.057	0.13	0.22
Trichloroethene	0.0048	0.036	0.026	0.20
Tetrachloroethene	0.032	0.23	0.22	1.5
trans-1,2-Dichloroethene	0.032	Not Detected	0.13	Not Detected

Container Type: 6 Liter Summa Canister (SIM Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	100	70-130
Toluene-d8	96	70-130
4-Bromofluorobenzene	99	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: SBW-IA-CENTER

Lab ID#: 1012301-04A

MODIFIED EPA METHOD TO-15 GC/MS SIM

File Name:	**c122109**	**Date of Collection: 12/12/10 4:37:00 PM**	
Dil. Factor:	**1.58**	**Date of Analysis: 12/21/10 02:50 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	0.016	0.081	0.040	0.21
cis-1,2-Dichloroethene	0.032	0.10	0.12	0.41
Trichloroethene	0.0047	0.076	0.025	0.41
Tetrachloroethene	0.032	0.59	0.21	4.0
trans-1,2-Dichloroethene	0.032	Not Detected	0.12	Not Detected

Container Type: 6 Liter Summa Canister (SIM Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	102	70-130
Toluene-d8	96	70-130
4-Bromofluorobenzene	100	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: Lab Blank

Lab ID#: 1012301-05A

MODIFIED EPA METHOD TO-15 GC/MS SIM

File Name:	**c122105**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 12/21/10 11:04 AM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	0.010	Not Detected	0.026	Not Detected
cis-1,2-Dichloroethene	0.020	Not Detected	0.079	Not Detected
Trichloroethene	0.0030	Not Detected	0.016	Not Detected
Tetrachloroethene	0.020	Not Detected	0.14	Not Detected
trans-1,2-Dichloroethene	0.020	Not Detected	0.079	Not Detected

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	102	70-130
Toluene-d8	95	70-130
4-Bromofluorobenzene	90	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: CCV

Lab ID#: 1012301-06A

MODIFIED EPA METHOD TO-15 GC/MS SIM

File Name:	**c122102**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 12/21/10 08:53 AM**	

Compound	%Recovery
Vinyl Chloride	102
cis-1,2-Dichloroethene	98
Trichloroethene	102
Tetrachloroethene	111
trans-1,2-Dichloroethene	100

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	102	70-130
Toluene-d8	100	70-130
4-Bromofluorobenzene	102	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: LCS

Lab ID#: 1012301-07A

MODIFIED EPA METHOD TO-15 GC/MS SIM

File Name:	**c122103**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 12/21/10 09:38 AM**	

Compound	%Recovery
Vinyl Chloride	101
cis-1,2-Dichloroethene	93
Trichloroethene	97
Tetrachloroethene	100
trans-1,2-Dichloroethene	95

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	105	70-130
Toluene-d8	100	70-130
4-Bromofluorobenzene	100	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: LCSD

Lab ID#: 1012301-07AA

MODIFIED EPA METHOD TO-15 GC/MS SIM

File Name:	**c122104**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 12/21/10 10:15 AM**	

Compound	%Recovery
Vinyl Chloride	101
cis-1,2-Dichloroethene	86
Trichloroethene	91
Tetrachloroethene	92
trans-1,2-Dichloroethene	88

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	102	70-130
Toluene-d8	102	70-130
4-Bromofluorobenzene	106	70-130

Fox Avenue Site
Seattle, Washington

Remedial Investigation/ Feasibility Study

Appendix F
Environmental Data

FINAL

Environmental Data

This Environmental Data appendix includes all of the environmental data collected at the Fox Avenue Site between 1990 and 2010 that was used in this Remedial Investigation/Feasibility Study. Soil, groundwater, seep, surface water, sediment, mussel tissue, and air data are included.

The data are presented in a series of seven tables, organized by media. Within each data table, the data are organized by sampling event (beginning with the most recent), followed by location, and sample depth.

The data are then organized by chemical class in the following order:

- Volatile organic compounds
- Total petroleum hydrocarbons
- Benzene, toluene, ethylbenzene, xylene (BTEX)
- Alkylated benzenes
- Semivolatile organic compounds
- Glycols and alcohols
- Dioxins and furans
- Metals
- Conventionals

Laboratory qualifiers are included in the tables. Blank values indicate that the sample was not tested for that particular parameter. Likewise, if a parameter is not listed for a sample, that sample was not tested for that parameter.

List of Tables

Fox Avenue Site
Seattle, Washington

Remedial Investigation/ Feasibility Study

Appendix F
Environmental Data

Tables

FINAL

Table F.1
Chemistry Data for Soil Samples

	Event	**Fox-Ave Calibre Data Gaps Geoprobes & New Wells (October - November 2010)**				
	Location	R1-IW08	R1-IW08	R1-IW08	R1-IW09	R1-IW09
	SampleID	**FAS-R1-IW08-5**	**FAS-R1-IW08-5DUP**	**FAS-R1-IW08-12.5**	**FAS-R1-IW09-1.5**	**FAS-R1-IW09-5**
	Depth (bgs)	5 ft	5 ft	12.5 ft	1.5 ft	5 ft
	Sample Date	10/28/2010	10/28/2010	10/28/2010	10/28/2010	10/28/2010
Volatile Organic Compounds						
Tetrachloroethene	µg/kg	120	140	10 J	1600	110
Trichloroethene	µg/kg	30 U	30 U	30 U	40	30 U
cis-1,2-Dichloroethene	µg/kg	20 U	20 U	10 J	20 U	20 U
trans-1,2-Dichloroethene	µg/kg	20 U	20 U	20 U	20 U	20 U
1,1-Dichloroethene	µg/kg	50 U	50 U	50 U	50 U	50 U
Vinyl chloride	µg/kg	2 U	2 U	2 U	2 U	2 U
1,1,1,2-Tetrachloroethane	µg/kg	30 U	30 U	30 U	30 U	30 U
1,1,1-Trichloroethane	µg/kg	20 U	20 U	20 U	20 U	20 U
1,1,2,2-Tetrachloroethane	µg/kg	20 U	20 U	20 U	20 U	20 U
1,1,2-Trichloroethane	µg/kg	30 U	30 U	30 U	30 U	30 U
1,1-Dichloroethane	µg/kg	20 U	20 U	20 U	20 U	20 U
Chloroethane	µg/kg	60 U	60 U	60 U	60 U	60 U
Dichloromethane	µg/kg	20 U	20 U	20 U	20 U	20 U
1,1-Dichloropropene	µg/kg	20 U	20 U	20 U	20 U	20 U
1,2,3-Trichlorobenzene	µg/kg	1000 U	1000 U	1000 U	1000 U	1000 U
1,2,3-Trichloropropane	µg/kg	20 U	20 U	20 U	20 U	20 U
1,2,4-Trichlorobenzene	µg/kg	50 U	50 U	50 U	50 U	50 U
1,2-Dibromo-3-chloropropane	µg/kg	30 U	30 U	30 U	30 U	30 U
1,2-Dibromoethane	µg/kg	5 U	5 U	5 U	5 U	5 U
1,2-Dichlorobenzene	µg/kg	20 U	20 U	20 U	20 U	20 U
1,2-Dichloroethane	µg/kg	30 U	30 U	30 U	30 U	30 U
1,2-Dichloropropane	µg/kg	20 U	20 U	20 U	20 U	20 U
1,3-Dichlorobenzene	µg/kg	20 U	20 U	20 U	20 U	20 U
1,3-Dichloropropane	µg/kg	50 U	50 U	50 U	50 U	50 U
1,4-Dichlorobenzene	µg/kg	20 U	20 U	20 U	20 U	20 U
2,2-Dichloropropane	µg/kg	50 U	50 U	50 U	50 U	50 U
2-Chlorotoluene	µg/kg	20 U	20 U	20 U	20 U	20 U
4-Chlorotoluene	µg/kg	20 U	20 U	20 U	20 U	20 U
Bromobenzene	µg/kg	30 U	30 U	30 U	30 U	30 U
Bromodichloromethane	µg/kg	20 U	20 U	20 U	20 U	20 U
Bromoform	µg/kg	20 U	20 U	20 U	20 U	20 U
Bromomethane	µg/kg	90 U	90 U	90 U	90 U	90 U
Carbon tetrachloride	µg/kg	20 U	20 U	20 U	20 U	20 U
Chlorobenzene	µg/kg	20 U	20 U	20 U	20 U	20 U
Chloroform	µg/kg	20 U	20 U	20 U	20 U	20 U
Chloromethane	µg/kg	60 U	60 U	60 U	60 U	60 U
cis-1,3-Dichloropropene	µg/kg	20 U	20 U	20 U	20 U	20 U
Dibromochloromethane	µg/kg	30 U	30 U	30 U	30 U	30 U
Dibromomethane	µg/kg	40 U	40 U	40 U	40 U	40 U
Dichlorodifluoromethane	µg/kg	60 U	60 U	60 U	60 U	60 U
trans-1,3-Dichloropropene	µg/kg	30 U	30 U	30 U	30 U	30 U
Trichlorofluoromethane	µg/kg	50 U	50 U	50 U	50 U	50 U
BTEX						
Benzene	µg/kg	20 U	20 U	20 U	20 U	20 U

	Event	Fox-Ave Calibre Data Gaps Geoprobes & New Wells (October - November 2010)				
	Location	R1-IW08	R1-IW08	R1-IW08	R1-IW09	R1-IW09
	SampleID	**FAS-R1-IW08-5**	**FAS-R1-IW08-5DUP**	**FAS-R1-IW08-12.5**	**FAS-R1-IW09-1.5**	**FAS-R1-IW09-5**
	Depth (bgs)	5 ft	5 ft	12.5 ft	1.5 ft	5 ft
	Sample Date	10/28/2010	10/28/2010	10/28/2010	10/28/2010	10/28/2010
BTEX						
Toluene	µg/kg	20 U	20 U	20 U	20 U	20 U
Ethylbenzene	µg/kg	30 U	30 U	30 U	30 U	30 U
Xylene (total)	µg/kg	30 U	30 U	30 U	30 U	30 U
Alkylated Benzenes						
1,3,5-Trimethylbenzene	µg/kg	20 U	20 U	20 U	20 U	20 U
n-Propylbenzene	µg/kg	20 U	20 U	20 U	20 U	20 U
1,2,4-Trimethylbenzene	µg/kg	20 U	20 U	20 U	20 U	20 U
Cymene	µg/kg	20 U	20 U	20 U	20 U	20 U
iso-Propylbenzene	µg/kg	80 U	80 U	80 U	80 U	80 U
n-Butylbenzene	µg/kg	20 U	20 U	20 U	20 U	20 U
sec-Butylbenzene	µg/kg	20 U	20 U	20 U	20 U	20 U
Styrene	µg/kg	20 U	20 U	20 U	20 U	20 U
tert-Butylbenzene	µg/kg	20 U	20 U	20 U	20 U	20 U
Semivolatile Organic Compounds						
Naphthalene	µg/kg	30 U	30 U	30 U	30 U	30 U
Hexachlorobutadiene	µg/kg	100 U	100 U	100 U	100 U	100 U

	Event	Fox-Ave Calibre Data Gaps Geoprobes & New Wells (October - November 2010)				
	Location	R1-IW09	R1-IW10	R1-IW10		
	SampleID	**FAS-R1-IW09-13.5**	**FAS-R1-IW10-4.0**	**FAS-R1-IW10-10.5**		
	Depth (bgs)	13.5 ft	4 ft	10.5 ft		
	Sample Date	10/28/2010	10/28/2010	10/28/2010		
Volatile Organic Compounds						
Tetrachloroethene	µg/kg	20 U	30	60		
Trichloroethene	µg/kg	40	30 U	30 U		
cis-1,2-Dichloroethene	µg/kg	20	110	20 U		
trans-1,2-Dichloroethene	µg/kg	20 U	20 U	20 U		
1,1-Dichloroethene	µg/kg	50 U	50 U	50 U		
Vinyl chloride	µg/kg	2 U	9	2 U		
1,1,1,2-Tetrachloroethane	µg/kg	30 U	30 U	30 U		
1,1,1-Trichloroethane	µg/kg	20 U	20 U	20 U		
1,1,2,2-Tetrachloroethane	µg/kg	20 U	20 U	20 U		
1,1,2-Trichloroethane	µg/kg	30 U	30 U	30 U		
1,1-Dichloroethane	µg/kg	20 U	20 U	20 U		
Chloroethane	µg/kg	60 U	60 U	60 U		
Dichloromethane	µg/kg	20 U	20 U	20 U		
1,1-Dichloropropene	µg/kg	20 U	20 U	20 U		
1,2,3-Trichlorobenzene	µg/kg	1000 U	1000 U	1000 U		
1,2,3-Trichloropropane	µg/kg	20 U	20 U	20 U		
1,2,4-Trichlorobenzene	µg/kg	50 U	50 U	50 U		
1,2-Dibromo-3-chloropropane	µg/kg	30 U	30 U	30 U		
1,2-Dibromoethane	µg/kg	5 U	5 U	5 U		
1,2-Dichlorobenzene	µg/kg	20 U	20 U	20 U		
1,2-Dichloroethane	µg/kg	30 U	30 U	30 U		
1,2-Dichloropropane	µg/kg	20 U	20 U	20 U		
1,3-Dichlorobenzene	µg/kg	20 U	20 U	20 U		
1,3-Dichloropropane	µg/kg	50 U	50 U	50 U		
1,4-Dichlorobenzene	µg/kg	20 U	20 U	20 U		
2,2-Dichloropropane	µg/kg	50 U	50 U	50 U		
2-Chlorotoluene	µg/kg	20 U	20 U	20 U		
4-Chlorotoluene	µg/kg	20 U	20 U	20 U		
Bromobenzene	µg/kg	30 U	30 U	30 U		
Bromodichloromethane	µg/kg	20 U	20 U	20 U		
Bromoform	µg/kg	20 U	20 U	20 U		
Bromomethane	µg/kg	90 U	90 U	90 U		
Carbon tetrachloride	µg/kg	20 U	20 U	20 U		
Chlorobenzene	µg/kg	20 U	20 U	20 U		
Chloroform	µg/kg	20 U	20 U	20 U		
Chloromethane	µg/kg	60 U	60 U	60 U		
cis-1,3-Dichloropropene	µg/kg	20 U	20 U	20 U		
Dibromochloromethane	µg/kg	30 U	30 U	30 U		
Dibromomethane	µg/kg	40 U	40 U	40 U		
Dichlorodifluoromethane	µg/kg	60 U	60 U	60 U		
trans-1,3-Dichloropropene	µg/kg	30 U	30 U	30 U		
Trichlorofluoromethane	µg/kg	50 U	50 U	50 U		
BTEX						
Benzene	µg/kg	20 U	20 U	20 U		
Toluene	µg/kg	20 U	20 U	20 U		
Ethylbenzene	µg/kg	30 U	30 U	30 U		
Xylene (total)	µg/kg	30 U	30 U	30 U		

	Event	Fox-Ave Calibre Data Gaps Geoprobes & New Wells (October - November 2010)				
	Location	R1-IW09	R1-IW10	R1-IW10		
	SampleID	**FAS-R1-IW09-13.5**	**FAS-R1-IW10-4.0**	**FAS-R1-IW10-10.5**		
	Depth (bgs)	13.5 ft	4 ft	10.5 ft		
	Sample Date	10/28/2010	10/28/2010	10/28/2010		
Alkylated Benzenes						
1,3,5-Trimethylbenzene	µg/kg	20 U	20 U	20 U		
n-Propylbenzene	µg/kg	20 U	20 U	20 U		
1,2,4-Trimethylbenzene	µg/kg	20 U	20 U	20 U		
Cymene	µg/kg	20 U	20 U	20 U		
iso-Propylbenzene	µg/kg	80 U	80 U	80 U		
n-Butylbenzene	µg/kg	20 U	20 U	20 U		
sec-Butylbenzene	µg/kg	20 U	20 U	20 U		
Styrene	µg/kg	20 U	20 U	20 U		
tert-Butylbenzene	µg/kg	20 U	20 U	20 U		
Semivolatile Organic Compounds						
Naphthalene	µg/kg	30 U	30 U	30 U		
Hexachlorobutadiene	µg/kg	100 U	100 U	100 U		

	Event	Fox-Ave Additional Source Area Geoprobes (October 2010)				
	Location	GP-92A	GP-92A	GP-92A	GP-92A	GP-92B
	SampleID	**GP-92A-38.0-38.2**	**GP-92A-41.0-41.2**	**GP-92A-48.0-48.2**	**GP-92A-57.0-57.2**	**GP-92B-2.8-3.0**
	Depth (bgs)	38 - 38.2 ft	41 - 41.2 ft	48 - 48.2 ft	57 - 57.2 ft	2.8 - 3 ft
	Sample Date	10/27/2010	10/27/2010	10/27/2010	10/27/2010	10/27/2010
Volatile Organic Compounds						
Tetrachloroethene	µg/kg	20 U	20 U	10 J	20 U	1800
Trichloroethene	µg/kg	30 U	30 U	20 J	30 U	4800
cis-1,2-Dichloroethene	µg/kg	7300 J	510	10 J	2800	3100
trans-1,2-Dichloroethene	µg/kg	150 J	20	20 U	50	100
Vinyl chloride	µg/kg	470	610	2 U	130	8
1,1,1,2-Tetrachloroethane	µg/kg	30 U	30 U	30 U	30 U	30 U
1,1,1-Trichloroethane	µg/kg	20 U	20 U	20 U	20 U	20 U
1,1,2,2-Tetrachloroethane	µg/kg	20 U	20 U	20 U	20 U	20 U
1,1,2-Trichloroethane	µg/kg	30 U	30 U	30 U	30 U	30 U
1,1-Dichloroethane	µg/kg	20 U	20 U	20 U	20 U	20 U
Chloroethane	µg/kg	60 U	60 U	60 U	60 U	60 U
Dichloromethane	µg/kg	20 U	20 U	20 U	20 U	20 U
1,1-Dichloropropene	µg/kg	20 U	20 U	20 U	20 U	20 U
1,2,3-Trichlorobenzene	µg/kg	1000 U	1000 U	1000 U	1000 U	1000 U
1,2,3-Trichloropropane	µg/kg	20 U	20 U	20 U	20 U	20 U
1,2,4-Trichlorobenzene	µg/kg	50 U	50 U	50 U	50 U	50 U
1,2-Dibromo-3-chloropropane	µg/kg	30 U	30 U	30 U	30 U	30 U
1,2-Dibromoethane	µg/kg	5 U	5 U	5 U	5 U	5 U
1,2-Dichlorobenzene	µg/kg	20 U	20 U	20 U	40	20
1,2-Dichloroethane	µg/kg	30 U	30 U	30 U	30 U	30 U
1,2-Dichloropropane	µg/kg	20 U	20 U	20 U	20 U	20 U
1,3-Dichlorobenzene	µg/kg	20 U	20 U	20 U	20 U	20 U
1,3-Dichloropropane	µg/kg	50 U	50 U	50 U	50 U	50 U
1,4-Dichlorobenzene	µg/kg	20 U	20 U	20 U	20 U	10 J
2,2-Dichloropropane	µg/kg	50 U	50 U	50 U	50 U	50 U
2-Chlorotoluene	µg/kg	20 U	20 U	20	20 U	20 U
4-Chlorotoluene	µg/kg	20 U	20 U	20 U	20 U	20 U
Bromobenzene	µg/kg	30 U	30 U	30 U	30 U	30 U
Bromodichloromethane	µg/kg	20 U	20 U	20 U	20 U	20 U
Bromoform	µg/kg	20 U	20 U	20 U	20 U	20 U
Bromomethane	µg/kg	90 U	90 U	90 U	90 U	90 U
Carbon tetrachloride	µg/kg	20 U	20 U	20 U	20 U	20 U
Chlorobenzene	µg/kg	20 U	20 U	20 U	20 U	20 U
Chloroform	µg/kg	20 U	20 U	20 U	20 U	20 U
Chloromethane	µg/kg	60 U	60 U	60 U	60 U	60 U
cis-1,3-Dichloropropene	µg/kg	20 U	20 U	20 U	20 U	20 U
Dibromochloromethane	µg/kg	30 U	30 U	30 U	30 U	30 U
Dibromomethane	µg/kg	40 U	40 U	40 U	40 U	40 U
Dichlorodifluoromethane	µg/kg	60 U	60 U	60 U	60 U	60 U
trans-1,3-Dichloropropene	µg/kg	30 U	30 U	30 U	30 U	30 U
Trichlorofluoromethane	µg/kg	50 U	50 U	50 U	50 U	50 U
BTEX						
Benzene	µg/kg	20 U	20 U	20 U	20 U	90
Toluene	µg/kg	20 U	20 U	20 U	20 U	210
Ethylbenzene	µg/kg	30 U	30 U	30 U	230	50
Xylene (total)	µg/kg	30 U	30 U	30 U	20 J	150
Alkylated Benzenes						
1,3,5-Trimethylbenzene	µg/kg	20 U	20 U	20 U	30	20 U

	Event	Fox-Ave Additional Source Area Geoprobes (October 2010)				
	Location	GP-92A	GP-92A	GP-92A	GP-92A	GP-92B
	SampleID	**GP-92A-38.0-38.2**	**GP-92A-41.0-41.2**	**GP-92A-48.0-48.2**	**GP-92A-57.0-57.2**	**GP-92B-2.8-3.0**
	Depth (bgs)	38 - 38.2 ft	41 - 41.2 ft	48 - 48.2 ft	57 - 57.2 ft	2.8 - 3 ft
	Sample Date	10/27/2010	10/27/2010	10/27/2010	10/27/2010	10/27/2010
Alkylated Benzenes						
n-Propylbenzene	µg/kg	20 U	20 U	40	30	20 U
1,2,4-Trimethylbenzene	µg/kg	20 U	20 U	50	190	20 U
Cymene	µg/kg	20 U	20 U	20 U	20 U	20 U
iso-Propylbenzene	µg/kg	80 U	80 U	80 U	80 U	80 U
n-Butylbenzene	µg/kg	20 U	20 U	380	20 U	20 U
sec-Butylbenzene	µg/kg	20 U	20 U	20 U	20 U	20 U
Styrene	µg/kg	20 U	20 U	20 U	20 U	20 U
tert-Butylbenzene	µg/kg	20 U	20 U	20 U	20 U	20 U
Semivolatile Organic Compounds						
Naphthalene	µg/kg	30 U	30 U	30 U	30 U	30 U
Hexachlorobutadiene	µg/kg	100 U	100 U	100 U	100 U	100 U

	Event	Fox-Ave Additional Source Area Geoprobes (October 2010)				
	Location	GP-92B	GP-93	GP-93	GP-93	GP-94
	SampleID	**GP-92B-17.0-17.5**	**GP-93-7.5-8.0**	**GP-93-42.0-42.2**	**GP-93-47.0-47.5**	**GP-94-7.0-7.5**
	Depth (bgs)	17 - 17.5 ft	7.5 - 8 ft	42 - 42.2 ft	47 - 47.5 ft	7 - 7.5 ft
	Sample Date	10/27/2010	10/27/2010	10/27/2010	10/27/2010	10/28/2010
Volatile Organic Compounds						
Tetrachloroethene	µg/kg	20 U	110	20 U	20 U	90
Trichloroethene	µg/kg	30 U	30	30 U	30 U	20 J
cis-1,2-Dichloroethene	µg/kg	20 U	40	20 U	20 U	20
trans-1,2-Dichloroethene	µg/kg	20 U	20 U	20 U	20 U	20 U
1,1-Dichloroethene	µg/kg					50 U
Vinyl chloride	µg/kg	4	1 J	7	2 U	2 U
1,1,1,2-Tetrachloroethane	µg/kg	30 U	30 U	30 U	30 U	30 U
1,1,1-Trichloroethane	µg/kg	20 U	20 U	20 U	20 U	20 U
1,1,2,2-Tetrachloroethane	µg/kg	20 U	20 U	20 U	20 U	20 U
1,1,2-Trichloroethane	µg/kg	30 U	30 U	30 U	30 U	30 U
1,1-Dichloroethane	µg/kg	20 U	20 U	20 U	20 U	20 U
Chloroethane	µg/kg	60 U	60 U	60 U	60 U	60 U
Dichloromethane	µg/kg	20 U	20 U	20 U	20 U	20 U
1,1-Dichloropropene	µg/kg	20 U	20 U	20 U	20 U	20 U
1,2,3-Trichlorobenzene	µg/kg	1000 U	1000 U	1000 U	1000 U	1000 U
1,2,3-Trichloropropane	µg/kg	20 U	20 U	20 U	20 U	20 U
1,2,4-Trichlorobenzene	µg/kg	50 U	50 U	50 U	50 U	50 U
1,2-Dibromo-3-chloropropane	µg/kg	30 U	30 U	30 U	30 U	30 U
1,2-Dibromoethane	µg/kg	5 U	5 U	5 U	5 U	5 U
1,2-Dichlorobenzene	µg/kg	280	20 U	20 U	20 U	20 U
1,2-Dichloroethane	µg/kg	30 U	30 U	30 U	30 U	30 U
1,2-Dichloropropane	µg/kg	20 U	20 U	20 U	20 U	20 U
1,3-Dichlorobenzene	µg/kg	40	20 U	20 U	20 U	20 U
1,3-Dichloropropane	µg/kg	50 U	50 U	50 U	50 U	50 U
1,4-Dichlorobenzene	µg/kg	170	20 U	20 U	20 U	20 U
2,2-Dichloropropane	µg/kg	50 U	50 U	50 U	50 U	50 U
2-Chlorotoluene	µg/kg	20 U	20 U	20 U	20 U	20 U
4-Chlorotoluene	µg/kg	20 U	20 U	20 U	20 U	20 U
Bromobenzene	µg/kg	30 U	30 U	30 U	30 U	30 U
Bromodichloromethane	µg/kg	20 U	20 U	20 U	20 U	20 U
Bromoform	µg/kg	20 U	20 U	20 U	20 U	20 U
Bromomethane	µg/kg	90 U	90 U	90 U	90 U	90 U
Carbon tetrachloride	µg/kg	20 U	20 U	20 U	20 U	20 U
Chlorobenzene	µg/kg	100	20 U	20 U	20 U	20 U
Chloroform	µg/kg	20 U	20 U	20 U	20 U	20 U
Chloromethane	µg/kg	60 U	60 U	60 U	60 U	60 U
cis-1,3-Dichloropropene	µg/kg	20 U	20 U	20 U	20 U	20 U
Dibromochloromethane	µg/kg	30 U	30 U	30 U	30 U	30 U
Dibromomethane	µg/kg	40 U	40 U	40 U	40 U	40 U
Dichlorodifluoromethane	µg/kg	60 U	60 U	60 U	60 U	60 U
trans-1,3-Dichloropropene	µg/kg	30 U	30 U	30 U	30 U	30 U
Trichlorofluoromethane	µg/kg	50 U	50 U	50 U	50 U	50 U
BTEX						
Benzene	µg/kg	10 J	20 U	20 U	20 U	20 U
Toluene	µg/kg	20 U	20 U	20 U	20 U	20 U
Ethylbenzene	µg/kg	30 U	30 U	30 U	30 U	30 U
Xylene (total)	µg/kg	30 U	30 U	30 U	30 U	30 U
Alkylated Benzenes						

	Event	Fox-Ave Additional Source Area Geoprobes (October 2010)				
	Location	GP-92B	GP-93	GP-93	GP-93	GP-94
	SampleID	**GP-92B-17.0-17.5**	**GP-93-7.5-8.0**	**GP-93-42.0-42.2**	**GP-93-47.0-47.5**	**GP-94-7.0-7.5**
	Depth (bgs)	17 - 17.5 ft	7.5 - 8 ft	42 - 42.2 ft	47 - 47.5 ft	7 - 7.5 ft
	Sample Date	10/27/2010	10/27/2010	10/27/2010	10/27/2010	10/28/2010
Alkylated Benzenes						
1,3,5-Trimethylbenzene	µg/kg	20 U	20 U	20 U	20 U	20 U
n-Propylbenzene	µg/kg	20 U	20 U	20 U	20 U	20 U
1,2,4-Trimethylbenzene	µg/kg	20 U	20 U	20 U	20 U	20 U
Cymene	µg/kg	20 U	20 U	20 U	20 U	20 U
iso-Propylbenzene	µg/kg	80 U	80 U	80 U	80 U	80 U
n-Butylbenzene	µg/kg	20 U	20 U	20 U	20 U	20 U
sec-Butylbenzene	µg/kg	20 U	20 U	20 U	20 U	20 U
Styrene	µg/kg	20 U	20 U	20 U	20 U	20 U
tert-Butylbenzene	µg/kg	20 U	20 U	20 U	20 U	20 U
Semivolatile Organic Compounds						
Naphthalene	µg/kg	30 U	30 U	30 U	30 U	30 U
Hexachlorobutadiene	µg/kg	100 U	100 U	100 U	100 U	100 U

	Event	Fox-Ave Additional Source Area Geoprobes (October 2010)				
	Location	GP-94	GP-94	GP-94	GP-94	GP-95
	SampleID	**GP-94-17.5-18.0**	**GP-94-25.0-25.5**	**GP-94-37.0-37.5**	**GP-94-49.0-49.5**	**GP-95-2.5-3.0**
	Depth (bgs)	17.5 - 18 ft	25 - 25.5 ft	37 - 37.5 ft	49 - 49.5 ft	2.5 - 3 ft
	Sample Date	10/28/2010	10/28/2010	10/28/2010	10/28/2010	10/28/2010
Volatile Organic Compounds						
Tetrachloroethene	µg/kg	20 U	20 U	20 U	20 U	970
Trichloroethene	µg/kg	30 U	30 U	30 U	30 U	240
cis-1,2-Dichloroethene	µg/kg	20	20	20 U	20 U	190
trans-1,2-Dichloroethene	µg/kg	20 U	20 U	20 U	20 U	20 U
1,1-Dichloroethene	µg/kg	50 U	50 U	50 U	50 U	50 U
Vinyl chloride	µg/kg	10	20	2	2 U	1 J
1,1,1,2-Tetrachloroethane	µg/kg	30 U	30 U	30 U	30 U	30 U
1,1,1-Trichloroethane	µg/kg	20 U	20 U	20 U	20 U	20 U
1,1,2,2-Tetrachloroethane	µg/kg	20 U	20 U	20 U	20 U	20 U
1,1,2-Trichloroethane	µg/kg	30 U	30 U	30 U	30 U	30 U
1,1-Dichloroethane	µg/kg	20 U	20 U	20 U	20 U	20 U
Chloroethane	µg/kg	60 U	60 U	60 U	60 U	60 U
Dichloromethane	µg/kg	20 U	20 U	20 U	20 U	20 U
1,1-Dichloropropene	µg/kg	20 U	20 U	20 U	20 U	20 U
1,2,3-Trichlorobenzene	µg/kg	1000 U	1000 U	1000 U	1000 U	1000 U
1,2,3-Trichloropropane	µg/kg	20 U	20 U	20 U	20 U	20 U
1,2,4-Trichlorobenzene	µg/kg	50 U	50 U	50 U	50 U	50 U
1,2-Dibromo-3-chloropropane	µg/kg	30 U	30 U	30 U	30 U	30 U
1,2-Dibromoethane	µg/kg	5 U	5 U	5 U	5 U	5 U
1,2-Dichlorobenzene	µg/kg	150	90	20 U	20 U	20 U
1,2-Dichloroethane	µg/kg	30 U	30 U	30 U	30 U	30 U
1,2-Dichloropropane	µg/kg	20 U	20 U	20 U	20 U	20 U
1,3-Dichlorobenzene	µg/kg	10 J	20 U	20 U	20 U	20 U
1,3-Dichloropropane	µg/kg	50 U	50 U	50 U	50 U	50 U
1,4-Dichlorobenzene	µg/kg	20	20	20 U	20 U	20 U
2,2-Dichloropropane	µg/kg	50 U	50 U	50 U	50 U	50 U
2-Chlorotoluene	µg/kg	20 U	20 U	20 U	20 U	20
4-Chlorotoluene	µg/kg	20 U	20 U	20 U	20 U	20 U
Bromobenzene	µg/kg	30 U	30 U	30 U	30 U	30 U
Bromodichloromethane	µg/kg	20 U	20 U	20 U	20 U	20 U
Bromoform	µg/kg	20 U	20 U	20 U	20 U	20 U
Bromomethane	µg/kg	90 U	90 U	90 U	90 U	90 U
Carbon tetrachloride	µg/kg	20 U	20 U	20 U	20 U	20 U
Chlorobenzene	µg/kg	20 U	20 U	20 U	20 U	20 U
Chloroform	µg/kg	20 U	20 U	20 U	20 U	20
Chloromethane	µg/kg	60 U	60 U	60 U	60 U	60 U
cis-1,3-Dichloropropene	µg/kg	20 U	20 U	20 U	20 U	20 U
Dibromochloromethane	µg/kg	30 U	30 U	30 U	30 U	30 U
Dibromomethane	µg/kg	40 U	40 U	40 U	40 U	40 U
Dichlorodifluoromethane	µg/kg	60 U	60 U	60 U	60 U	60 U
trans-1,3-Dichloropropene	µg/kg	30 U	30 U	30 U	30 U	30 U
Trichlorofluoromethane	µg/kg	50 U	50 U	50 U	50 U	50 U
BTEX						
Benzene	µg/kg	20 U	20 U	20 U	20 U	20 U
Toluene	µg/kg	20 U	20 U	20 U	20 U	20 U
Ethylbenzene	µg/kg	30 U	30 U	30 U	30 U	30 U
Xylene (total)	µg/kg	30 U	30 U	30 U	30 U	10 J
Alkylated Benzenes						

	Event	Fox-Ave Additional Source Area Geoprobes (October 2010)				
	Location	GP-94	GP-94	GP-94	GP-94	GP-95
	SampleID	**GP-94-17.5-18.0**	**GP-94-25.0-25.5**	**GP-94-37.0-37.5**	**GP-94-49.0-49.5**	**GP-95-2.5-3.0**
	Depth (bgs)	17.5 - 18 ft	25 - 25.5 ft	37 - 37.5 ft	49 - 49.5 ft	2.5 - 3 ft
	Sample Date	10/28/2010	10/28/2010	10/28/2010	10/28/2010	10/28/2010
Alkylated Benzenes						
1,3,5-Trimethylbenzene	µg/kg	20 U	20 U	20 U	20 U	20 U
n-Propylbenzene	µg/kg	20 U	20 U	20 U	20 U	20 U
1,2,4-Trimethylbenzene	µg/kg	20 U	20 U	20 U	20 U	20 U
Cymene	µg/kg	20 U	20 U	20 U	20 U	20 U
iso-Propylbenzene	µg/kg	80 U	80 U	80 U	80 U	80 U
n-Butylbenzene	µg/kg	20 U	20 U	20 U	20 U	20 U
sec-Butylbenzene	µg/kg	20 U	20 U	20 U	20 U	20 U
Styrene	µg/kg	20 U	20 U	20 U	20 U	20 U
tert-Butylbenzene	µg/kg	20 U	20 U	20 U	20 U	20 U
Semivolatile Organic Compounds						
Naphthalene	µg/kg	30 U	30 U	30 U	30 U	30 U
Hexachlorobutadiene	µg/kg	100 U	100 U	100 U	100 U	100 U

	Event	Fox-Ave Additional Source Area Geoprobes (October 2010)				
	Location	GP-95	GP-95	GP-95	GP-95	GP-96
	SampleID	**GP-18.5-19.0**	**GP-95-38.5-39.0**	**GP-95-42.0-42.5**	**GP-95-48.0-48.5**	**GP-96-9.0-10.0**
	Depth (bgs)	18.5 - 19 ft	38.5 - 39 ft	42 - 42.5 ft	48 - 48.5 ft	9 - 10 ft
	Sample Date	10/28/2010	10/28/2010	10/28/2010	10/28/2010	10/29/2010
Volatile Organic Compounds						
Tetrachloroethene	µg/kg	20 U	20 U	20 U	20 U	70
Trichloroethene	µg/kg	30 U	30 U	30 U	30 U	10 J
cis-1,2-Dichloroethene	µg/kg	20 U	20 U	20 U	20 U	60
trans-1,2-Dichloroethene	µg/kg	20 U	20 U	20 U	20 U	20 U
1,1-Dichloroethene	µg/kg	50 U	50 U	50 U	50 U	50 U
Vinyl chloride	µg/kg	14	2 U	2	2 U	2 U
1,1,1,2-Tetrachloroethane	µg/kg	30 U	30 U	30 U	30 U	30 U
1,1,1-Trichloroethane	µg/kg	20 U	20 U	20 U	20 U	20 U
1,1,2,2-Tetrachloroethane	µg/kg	20 U	20 U	20 U	20 U	20 U
1,1,2-Trichloroethane	µg/kg	30 U	30 U	30 U	30 U	30 U
1,1-Dichloroethane	µg/kg	10 J	20 U	20 U	20 U	20 U
Chloroethane	µg/kg	60 U	60 U	60 U	60 U	60 U
Dichloromethane	µg/kg	20 U	20 U	20 U	20 U	20 U
1,1-Dichloropropene	µg/kg	20 U	20 U	20 U	20 U	20 U
1,2,3-Trichlorobenzene	µg/kg	1000 U	1000 U	1000 U	1000 U	1000 U
1,2,3-Trichloropropane	µg/kg	20 U	20 U	20 U	20 U	20 U
1,2,4-Trichlorobenzene	µg/kg	50 U	50 U	50 U	50 U	50 U
1,2-Dibromo-3-chloropropane	µg/kg	30 U	30 U	30 U	30 U	30 U
1,2-Dibromoethane	µg/kg	5 U	5 U	5 U	5 U	5 U
1,2-Dichlorobenzene	µg/kg	90	20 U	20 U	20 U	20 U
1,2-Dichloroethane	µg/kg	30 U	30 U	30 U	30 U	30 U
1,2-Dichloropropane	µg/kg	20 U	20 U	20 U	20 U	20 U
1,3-Dichlorobenzene	µg/kg	10 J	20 U	20 U	20 U	20 U
1,3-Dichloropropane	µg/kg	50 U	50 U	50 U	50 U	50 U
1,4-Dichlorobenzene	µg/kg	80	20 U	20 U	20 U	20 U
2,2-Dichloropropane	µg/kg	50 U	50 U	50 U	50 U	50 U
2-Chlorotoluene	µg/kg	20 U	20 U	20 U	20 U	20 U
4-Chlorotoluene	µg/kg	20 U	20 U	20 U	20 U	20 U
Bromobenzene	µg/kg	30 U	30 U	30 U	30 U	30 U
Bromodichloromethane	µg/kg	20 U	20 U	20 U	20 U	20 U
Bromoform	µg/kg	20 U	20 U	20 U	20 U	20 U
Bromomethane	µg/kg	90 U	90 U	90 U	90 U	90 U
Carbon tetrachloride	µg/kg	20 U	20 U	20 U	20 U	20 U
Chlorobenzene	µg/kg	230	20 U	20 U	20 U	20 U
Chloroform	µg/kg	20 U	20 U	20 U	20 U	20 U
Chloromethane	µg/kg	60 U	60 U	60 U	60 U	60 U
cis-1,3-Dichloropropene	µg/kg	20 U	20 U	20 U	20 U	20 U
Dibromochloromethane	µg/kg	30 U	30 U	30 U	30 U	30 U
Dibromomethane	µg/kg	40 U	40 U	40 U	40 U	40 U
Dichlorodifluoromethane	µg/kg	60 U	60 U	60 U	60 U	60 U
trans-1,3-Dichloropropene	µg/kg	30 U	30 U	30 U	30 U	30 U
Trichlorofluoromethane	µg/kg	50 U	50 U	50 U	50 U	50 U
BTEX						
Benzene	µg/kg	10 J	20 U	20 U	20 U	20 U
Toluene	µg/kg	20 U	20 U	20 U	20 U	20 U
Ethylbenzene	µg/kg	450	30 U	30 U	30 U	30 U
Xylene (total)	µg/kg	50	30 U	30 U	30 U	30 U
Alkylated Benzenes						

	Event	Fox-Ave Additional Source Area Geoprobes (October 2010)				
	Location	GP-95	GP-95	GP-95	GP-95	GP-96
	SampleID	**GP-18.5-19.0**	**GP-95-38.5-39.0**	**GP-95-42.0-42.5**	**GP-95-48.0-48.5**	**GP-96-9.0-10.0**
	Depth (bgs)	18.5 - 19 ft	38.5 - 39 ft	42 - 42.5 ft	48 - 48.5 ft	9 - 10 ft
	Sample Date	10/28/2010	10/28/2010	10/28/2010	10/28/2010	10/29/2010
Alkylated Benzenes						
1,3,5-Trimethylbenzene	µg/kg	20	20 U	10 J	20 U	20 U
n-Propylbenzene	µg/kg	20 U	20 U	20 U	20 U	20 U
1,2,4-Trimethylbenzene	µg/kg	70	20 U	30	20 U	20 U
Cymene	µg/kg	20 U	20 U	20 U	20 U	20 U
iso-Propylbenzene	µg/kg	80 U	80 U	80 U	80 U	80 U
n-Butylbenzene	µg/kg	20 U	20 U	20 U	20 U	20 U
sec-Butylbenzene	µg/kg	20 U	20 U	20 U	20 U	20 U
Styrene	µg/kg	20 U	20 U	20 U	20 U	20 U
tert-Butylbenzene	µg/kg	20 U	20 U	20 U	20 U	20 U
Semivolatile Organic Compounds						
Naphthalene	µg/kg	30 U	30 U	30 U	30 U	30 U
Hexachlorobutadiene	µg/kg	100 U	100 U	100 U	100 U	100 U

	Event	Fox-Ave Additional Source Area Geoprobes (October 2010)				
	Location	GP-96	GP-96	GP-96	GP-96	GP-96
	SampleID	**GP-96-15.0-15.5**	**GP-96-44.0-45.0**	**GP-96-47.5-48.5**	**GP-96-56.5-57.5**	**GP-96-59.0-60.0**
	Depth (bgs)	15 - 15.5 ft	44 - 45 ft	47.5 - 48.5 ft	56.5 - 57.5 ft	59 - 60 ft
	Sample Date	10/29/2010	10/29/2010	10/29/2010	10/29/2010	10/29/2010
Volatile Organic Compounds						
Tetrachloroethene	µg/kg	30	280	20 U	20 U	20 U
Trichloroethene	µg/kg	30 U	40	30 U	690	5200
cis-1,2-Dichloroethene	µg/kg	10 J	30	20 U	520	1100
trans-1,2-Dichloroethene	µg/kg	20 U	20 U	20 U	20 U	20 U
1,1-Dichloroethene	µg/kg	50 U	50 U	50 U	50 U	50 U
Vinyl chloride	µg/kg	2 U	2 U	2 U	2 U	2 U
1,1,1,2-Tetrachloroethane	µg/kg	30 U	30 U	30 U	30 U	30 U
1,1,1-Trichloroethane	µg/kg	20 U	20 U	20 U	20 U	20 U
1,1,2,2-Tetrachloroethane	µg/kg	20 U	20 U	20 U	20 U	20 U
1,1,2-Trichloroethane	µg/kg	30 U	30 U	30 U	30 U	30 U
1,1-Dichloroethane	µg/kg	20 U	20 U	20 U	20 U	20 U
Chloroethane	µg/kg	60 U	60 U	60 U	60 U	60 U
Dichloromethane	µg/kg	20 U	20 U	20 U	20 U	20 U
1,1-Dichloropropene	µg/kg	20 U	20 U	20 U	20 U	20 U
1,2,3-Trichlorobenzene	µg/kg	1000 U	1000 U	1000 U	1000 U	1000 U
1,2,3-Trichloropropane	µg/kg	20 U	20 U	20 U	20 U	20 U
1,2,4-Trichlorobenzene	µg/kg	50 U	50 U	50 U	50 U	50 U
1,2-Dibromo-3-chloropropane	µg/kg	30 U	30 U	30 U	30 U	30 U
1,2-Dibromoethane	µg/kg	5 U	5 U	5 U	5 U	5 U
1,2-Dichlorobenzene	µg/kg	20 U	20 U	20 U	20 U	20 U
1,2-Dichloroethane	µg/kg	30 U	30 U	30 U	30 U	30 U
1,2-Dichloropropane	µg/kg	20 U	20 U	20 U	20 U	20 U
1,3-Dichlorobenzene	µg/kg	20 U	20 U	20 U	20 U	20 U
1,3-Dichloropropane	µg/kg	50 U	50 U	50 U	50 U	50 U
1,4-Dichlorobenzene	µg/kg	20 U	20 U	20 U	20 U	20 U
2,2-Dichloropropane	µg/kg	50 U	50 U	50 U	50 U	50 U
2-Chlorotoluene	µg/kg	20 U	20 U	20 U	20 U	20 U
4-Chlorotoluene	µg/kg	20 U	20 U	20 U	20 U	20 U
Bromobenzene	µg/kg	30 U	30 U	30 U	30 U	30 U
Bromodichloromethane	µg/kg	20 U	20 U	20 U	20 U	20 U
Bromoform	µg/kg	20 U	20 U	20 U	20 U	20 U
Bromomethane	µg/kg	90 U	90 U	90 U	90 U	90 U
Carbon tetrachloride	µg/kg	20 U	20 U	20 U	20 U	20 U
Chlorobenzene	µg/kg	20 U	20 U	20 U	20 U	20 U
Chloroform	µg/kg	20 U	20 U	20 U	20 U	20 U
Chloromethane	µg/kg	60 U	60 U	60 U	60 U	60 U
cis-1,3-Dichloropropene	µg/kg	20 U	20 U	20 U	20 U	20 U
Dibromochloromethane	µg/kg	30 U	30 U	30 U	30 U	30 U
Dibromomethane	µg/kg	40 U	40 U	40 U	40 U	40 U
Dichlorodifluoromethane	µg/kg	60 U	60 U	60 U	60 U	60 U
trans-1,3-Dichloropropene	µg/kg	30 U	30 U	30 U	30 U	30 U
Trichlorofluoromethane	µg/kg	50 U	50 U	50 U	50 U	50 U
BTEX						
Benzene	µg/kg	20 U	20 U	20 U	20 U	20 U
Toluene	µg/kg	20 U	20 U	20 U	20 U	20 U
Ethylbenzene	µg/kg	30 U	30 U	30 U	30 U	70
Xylene (total)	µg/kg	30 U	30 U	30 U	30 U	10 J
Alkylated Benzenes						

	Event	Fox-Ave Additional Source Area Geoprobes (October 2010)				
	Location	GP-96	GP-96	GP-96	GP-96	GP-96
	SampleID	**GP-96-15.0-15.5**	**GP-96-44.0-45.0**	**GP-96-47.5-48.5**	**GP-96-56.5-57.5**	**GP-96-59.0-60.0**
	Depth (bgs)	15 - 15.5 ft	44 - 45 ft	47.5 - 48.5 ft	56.5 - 57.5 ft	59 - 60 ft
	Sample Date	10/29/2010	10/29/2010	10/29/2010	10/29/2010	10/29/2010
Alkylated Benzenes						
1,3,5-Trimethylbenzene	µg/kg	20 U	20 U	20 U	20 U	60
n-Propylbenzene	µg/kg	20 U	20 U	20 U	20 U	50
1,2,4-Trimethylbenzene	µg/kg	20 U	20 U	20 U	20 U	20
Cymene	µg/kg	20 U	20 U	20 U	20 U	20 U
iso-Propylbenzene	µg/kg	80 U	80 U	80 U	80 U	20 J
n-Butylbenzene	µg/kg	20 U	20 U	20 U	20 U	20 U
sec-Butylbenzene	µg/kg	20 U	20 U	20 U	20 U	20 U
Styrene	µg/kg	20 U	20 U	20 U	20 U	20 U
tert-Butylbenzene	µg/kg	20 U	20 U	20 U	20 U	20 U
Semivolatile Organic Compounds						
Naphthalene	µg/kg	30 U	30 U	30 U	30 U	40
Hexachlorobutadiene	µg/kg	100 U	100 U	100 U	100 U	100 U

	Event	Fox-Ave Additional Source Area Geoprobes (October 2010)				
	Location	GP-96				
	SampleID	**GP-64.0-65.0**				
	Depth (bgs)	64 - 65 ft				
	Sample Date	10/29/2010				
Volatile Organic Compounds						
Tetrachloroethene	µg/kg	9900				
Trichloroethene	µg/kg	8900				
cis-1,2-Dichloroethene	µg/kg	410				
trans-1,2-Dichloroethene	µg/kg	20 U				
1,1-Dichloroethene	µg/kg	50 U				
Vinyl chloride	µg/kg	2 U				
1,1,1,2-Tetrachloroethane	µg/kg	30 U				
1,1,1-Trichloroethane	µg/kg	20 U				
1,1,2,2-Tetrachloroethane	µg/kg	20 U				
1,1,2-Trichloroethane	µg/kg	30 U				
1,1-Dichloroethane	µg/kg	20 U				
Chloroethane	µg/kg	60 U				
Dichloromethane	µg/kg	20 U				
1,1-Dichloropropene	µg/kg	20 U				
1,2,3-Trichlorobenzene	µg/kg	1000 U				
1,2,3-Trichloropropane	µg/kg	20 U				
1,2,4-Trichlorobenzene	µg/kg	50 U				
1,2-Dibromo-3-chloropropane	µg/kg	30 U				
1,2-Dibromoethane	µg/kg	5 U				
1,2-Dichlorobenzene	µg/kg	20				
1,2-Dichloroethane	µg/kg	30 U				
1,2-Dichloropropane	µg/kg	20 U				
1,3-Dichlorobenzene	µg/kg	20 U				
1,3-Dichloropropane	µg/kg	50 U				
1,4-Dichlorobenzene	µg/kg	20 U				
2,2-Dichloropropane	µg/kg	50 U				
2-Chlorotoluene	µg/kg	20 U				
4-Chlorotoluene	µg/kg	20 U				
Bromobenzene	µg/kg	30 U				
Bromodichloromethane	µg/kg	20 U				
Bromoform	µg/kg	20 U				
Bromomethane	µg/kg	90 U				
Carbon tetrachloride	µg/kg	20 U				
Chlorobenzene	µg/kg	20 U				
Chloroform	µg/kg	20 U				
Chloromethane	µg/kg	60 U				
cis-1,3-Dichloropropene	µg/kg	20 U				
Dibromochloromethane	µg/kg	30 U				
Dibromomethane	µg/kg	40 U				
Dichlorodifluoromethane	µg/kg	60 U				
trans-1,3-Dichloropropene	µg/kg	30 U				
Trichlorofluoromethane	µg/kg	50 U				
BTEX						
Benzene	µg/kg	20 U				
Toluene	µg/kg	590				
Ethylbenzene	µg/kg	110				
Xylene (total)	µg/kg	220				
Alkylated Benzenes						

	Event	**Fox-Ave Additional Source Area Geoprobes (October 2010)**				
	Location	GP-96				
	SampleID	**GP-64.0-65.0**				
	Depth (bgs)	64 - 65 ft				
	Sample Date	10/29/2010				
Alkylated Benzenes						
1,3,5-Trimethylbenzene	µg/kg	40				
n-Propylbenzene	µg/kg	20				
1,2,4-Trimethylbenzene	µg/kg	150				
Cymene	µg/kg	20 U				
iso-Propylbenzene	µg/kg	10 J				
n-Butylbenzene	µg/kg	20 U				
sec-Butylbenzene	µg/kg	20 U				
Styrene	µg/kg	20 U				
tert-Butylbenzene	µg/kg	20				
Semivolatile Organic Compounds						
Naphthalene	µg/kg	30				
Hexachlorobutadiene	µg/kg	100 U				

	Event	Fox-Ave Additional Geoprobes Investigation (June 2009)				
	Location	GP-70A	GP-70A	GP-70A	GP-71	GP-71
	SampleID	**GP-70A 5.5-6.0**	**GP-70A 12.0-12.5**	**GP-70A 15.5-16.0**	**GP-71 2.0-2.5**	**GP-71 5.0-5.5**
	Depth (bgs)	5.5 - 6 ft	12 - 12.5 ft	15.5 - 16 ft	2 - 2.5 ft	5 - 5.5 ft
	Sample Date	06/23/2009	06/23/2009	06/23/2009	06/16/2009	06/16/2009
Volatile Organic Compounds						
Tetrachloroethene	µg/kg	440000 J	875.5	290	199.5	2109
Trichloroethene	µg/kg	260	30 U	140	30 U	48.5
cis-1,2-Dichloroethene	µg/kg	20 U	20 U	20 U	20 U	49.5
trans-1,2-Dichloroethene	µg/kg	20 U	20 U	20 U	20 U	20 U
1,1-Dichloroethene	µg/kg	50 U	50 U	50 U	50 U	50 U
Vinyl chloride	µg/kg	2 U	2 U	2 U	2 U	2 U
1,1,1,2-Tetrachloroethane	µg/kg	130	30 U	30 U	30 U	30 U
1,1,1-Trichloroethane	µg/kg	20 U	20 U	20 U	20 U	20 U
1,1,2,2-Tetrachloroethane	µg/kg	20 U	20 U	20 U	20 U	20 U
1,1,2-Trichloroethane	µg/kg	30 U	30 U	30 U	30 U	30 U
1,1-Dichloroethane	µg/kg	20 U	20 U	20 U	20 U	20 U
Chloroethane	µg/kg	60 U	60 U	60 U	60 U	60 U
Dichloromethane	µg/kg	20 U	20 U	20 U	20 U	20 U
1,1-Dichloropropene	µg/kg	20 U	20 U	20 U	20 U	20 U
1,2,3-Trichlorobenzene	µg/kg	1000 U	1000 U	1000 U	1000 U	1000 U
1,2,3-Trichloropropane	µg/kg	20 U	20 U	20 U	20 U	20 U
1,2,4-Trichlorobenzene	µg/kg	50 U	50 U	50 U	50 U	50 U
1,2-Dibromo-3-chloropropane	µg/kg	30 U	30 U	30 U	30 U	30 U
1,2-Dibromoethane	µg/kg	5 U	5 U	5 U	5 U	5 U
1,2-Dichlorobenzene	µg/kg	20 U	20 U	20 U	20 U	20 U
1,2-Dichloroethane	µg/kg	30 U	30 U	30 U	30 U	30 U
1,2-Dichloropropane	µg/kg	20 U	20 U	20 U	20 U	20 U
1,3-Dichlorobenzene	µg/kg	20 U	20 U	20 U	20 U	20 U
1,3-Dichloropropane	µg/kg	50 U	50 U	50 U	50 U	50 U
1,4-Dichlorobenzene	µg/kg	20 U	20 U	20 U	20 U	20 U
2,2-Dichloropropane	µg/kg	50 U	50 U	50 U	50 U	50 U
2-Chlorotoluene	µg/kg	20 U	20 U	20 U	20 U	20 U
4-Chlorotoluene	µg/kg	20 U	20 U	20 U	20 U	20 U
Bromobenzene	µg/kg	30 U	30 U	30 U	30 U	30 U
Bromodichloromethane	µg/kg	20 U	20 U	20 U	20 U	20 U
Bromoform	µg/kg	20 U	20 U	20 U	20 U	20 U
Bromomethane	µg/kg	90 U	90 U	90 U	90 U	90 U
Carbon tetrachloride	µg/kg	20 U	20 U	20 U	20 U	20 U
Chlorobenzene	µg/kg	20 U	20 U	20 U	20 U	20 U
Chloroform	µg/kg	20 U	20 U	20 U	20 U	20 U
Chloromethane	µg/kg	60 U	60 U	60 U	60 U	60 U
cis-1,3-Dichloropropene	µg/kg	20 U	20 U	20 U	20 U	20 U
Dibromochloromethane	µg/kg	30 U	30 U	30 U	30 U	30 U
Dibromomethane	µg/kg	40 U	40 U	40 U	40 U	40 U
Dichlorodifluoromethane	µg/kg	60 U	60 U	60 U	60 U	60 U
trans-1,3-Dichloropropene	µg/kg	30 U	30 U	30 U	30 U	30 U
Trichlorofluoromethane	µg/kg	50 U	50 U	50 U	50 U	50 U
BTEX						
Benzene	µg/kg	20 U	20 U	20 U	20 U	20 U
Toluene	µg/kg	20 U	20 U	20 U	20 U	20 U
Ethylbenzene	µg/kg	30 U	30 U	30 U	30 U	30 U
Xylene (total)	µg/kg	30 U	30 U	30 U	30 U	30 U
Alkylated Benzenes						

	Event	Fox-Ave Additional Geoprobes Investigation (June 2009)				
	Location	GP-70A	GP-70A	GP-70A	GP-71	GP-71
	SampleID	**GP-70A 5.5-6.0**	**GP-70A 12.0-12.5**	**GP-70A 15.5-16.0**	**GP-71 2.0-2.5**	**GP-71 5.0-5.5**
	Depth (bgs)	5.5 - 6 ft	12 - 12.5 ft	15.5 - 16 ft	2 - 2.5 ft	5 - 5.5 ft
	Sample Date	06/23/2009	06/23/2009	06/23/2009	06/16/2009	06/16/2009
Alkylated Benzenes						
1,3,5-Trimethylbenzene	µg/kg	20 U	20 U	20 U	20 U	20 U
n-Propylbenzene	µg/kg	20 U	20 U	20 U	20 U	20 U
1,2,4-Trimethylbenzene	µg/kg	20 U	20 U	20 U	20 U	20 U
Cymene	µg/kg	20 U	20 U	20 U	20 U	20 U
iso-Propylbenzene	µg/kg	80 U	80 U	80 U	80 U	80 U
n-Butylbenzene	µg/kg	20 U	20 U	20 U	20 U	20 U
sec-Butylbenzene	µg/kg	20 U	20 U	20 U	20 U	20 U
Styrene	µg/kg	20 U	20 U	20 U	20 U	20 U
tert-Butylbenzene	µg/kg	20 U	20 U	20 U	20 U	20 U
Semivolatile Organic Compounds						
Naphthalene	µg/kg	30 U	30 U	30 U	30 U	30 U
Hexachlorobutadiene	µg/kg	100 U	100 U	100 U	100 U	100 U

	Event	Fox-Ave Additional Geoprobes Investigation (June 2009)				
	Location	GP-71	GP-72	GP-72	GP-72	GP-72
	SampleID	**GP-71 9.0-9.5**	**GP-72 3.0-3.5**	**GP-72 7.0-7.5**	**GP-72 10.0-10.5**	**GP-72 44.0-44.5**
	Depth (bgs)	9 - 9.5 ft	3 - 3.5 ft	7 - 7.5 ft	10 - 10.5 ft	44 - 44.5 ft
	Sample Date	06/16/2009	06/15/2009	06/15/2009	06/15/2009	06/15/2009
Volatile Organic Compounds						
Tetrachloroethene	µg/kg	7689.5	80.5	160	400	20 U
Trichloroethene	µg/kg	5800	30 U	380	60.5	30 U
cis-1,2-Dichloroethene	µg/kg	750	20 U	20 U	28000	20 U
trans-1,2-Dichloroethene	µg/kg	20 U	20 U	20 U	20 U	20 U
1,1-Dichloroethene	µg/kg	50 U	50 U	50 U	50 U	50 U
Vinyl chloride	µg/kg	2 U	2 U	2 U	2 U	2 U
1,1,1,2-Tetrachloroethane	µg/kg	30 U	30 U	30 U	30 U	30 U
1,1,1-Trichloroethane	µg/kg	20 U	20 U	20 U	20 U	20 U
1,1,2,2-Tetrachloroethane	µg/kg	20 U	20 U	20 U	20 U	20 U
1,1,2-Trichloroethane	µg/kg	30 U	30 U	30 U	30 U	30 U
1,1-Dichloroethane	µg/kg	20 U	20 U	20 U	20 U	20 U
Chloroethane	µg/kg	60 U	60 U	60 U	60 U	60 U
Dichloromethane	µg/kg	20 U	20 U	20 U	20 U	20 U
1,1-Dichloropropene	µg/kg	20 U	20 U	20 U	20 U	20 U
1,2,3-Trichlorobenzene	µg/kg	1000 U	1000 U	1000 U	1000 U	1000 U
1,2,3-Trichloropropane	µg/kg	20 U	20 U	20 U	20 U	20 U
1,2,4-Trichlorobenzene	µg/kg	50 U	50 U	50 U	50 U	50 U
1,2-Dibromo-3-chloropropane	µg/kg	30 U	30 U	30 U	30 U	30 U
1,2-Dibromoethane	µg/kg	5 U	5 U	5 U	5 U	5 U
1,2-Dichlorobenzene	µg/kg	20 U	20 U	20 U	20 U	20 U
1,2-Dichloroethane	µg/kg	30 U	30 U	30 U	30 U	30 U
1,2-Dichloropropane	µg/kg	20 U	20 U	20 U	20 U	20 U
1,3-Dichlorobenzene	µg/kg	20 U	20 U	20 U	20 U	20 U
1,3-Dichloropropane	µg/kg	50 U	50 U	50 U	50 U	50 U
1,4-Dichlorobenzene	µg/kg	20 U	20 U	20 U	20 U	20 U
2,2-Dichloropropane	µg/kg	50 U	50 U	50 U	50 U	50 U
2-Chlorotoluene	µg/kg	20 U	20 U	20 U	20 U	20 U
4-Chlorotoluene	µg/kg	20 U	20 U	20 U	20 U	20 U
Bromobenzene	µg/kg	30 U	30 U	30 U	30 U	30 U
Bromodichloromethane	µg/kg	20 U	20 U	20 U	20 U	20 U
Bromoform	µg/kg	20 U	20 U	20 U	20 U	20 U
Bromomethane	µg/kg	90 U	90 U	90 U	90 U	90 U
Carbon tetrachloride	µg/kg	20 U	20 U	20 U	20 U	20 U
Chlorobenzene	µg/kg	20 U	20 U	20 U	20 U	20 U
Chloroform	µg/kg	20 U	20 U	20 U	20 U	20 U
Chloromethane	µg/kg	60 U	60 U	60 U	60 U	60 U
cis-1,3-Dichloropropene	µg/kg	20 U	20 U	20 U	20 U	20 U
Dibromochloromethane	µg/kg	30 U	30 U	30 U	30 U	30 U
Dibromomethane	µg/kg	40 U	40 U	40 U	40 U	40 U
Dichlorodifluoromethane	µg/kg	60 U	60 U	60 U	60 U	60 U
trans-1,3-Dichloropropene	µg/kg	30 U	30 U	30 U	30 U	30 U
Trichlorofluoromethane	µg/kg	50 U	50 U	50 U	50 U	50 U
BTEX						
Benzene	µg/kg	20 U	20 U	20 U	20 U	20 U
Toluene	µg/kg	20 U	20 U	20 U	170	20 U
Ethylbenzene	µg/kg	30 U	30 U	110	18000	30 U
Xylene (total)	µg/kg	30 U	30 U	560	60000	30 U
Alkylated Benzenes						

	Event	Fox-Ave Additional Geoprobes Investigation (June 2009)				
	Location	GP-71	GP-72	GP-72	GP-72	GP-72
	SampleID	**GP-71 9.0-9.5**	**GP-72 3.0-3.5**	**GP-72 7.0-7.5**	**GP-72 10.0-10.5**	**GP-72 44.0-44.5**
	Depth (bgs)	9 - 9.5 ft	3 - 3.5 ft	7 - 7.5 ft	10 - 10.5 ft	44 - 44.5 ft
	Sample Date	06/16/2009	06/15/2009	06/15/2009	06/15/2009	06/15/2009
Alkylated Benzenes						
1,3,5-Trimethylbenzene	µg/kg	20 U	20 U	250	150000	90
n-Propylbenzene	µg/kg	20 U	20 U	94	27000	20 U
1,2,4-Trimethylbenzene	µg/kg	20 U	20 U	950	110000	533
Cymene	µg/kg	20 U	20 U	20 U	12000	20 U
iso-Propylbenzene	µg/kg	80 U	80 U	80 U	6000	80 U
n-Butylbenzene	µg/kg	20 U	20 U	20 U	7500	20 U
sec-Butylbenzene	µg/kg	20 U	20 U	20 U	6000	20 U
Styrene	µg/kg	20 U	20 U	20 U	20 U	20 U
tert-Butylbenzene	µg/kg	20 U	20 U	48	916	20 U
Semivolatile Organic Compounds						
Naphthalene	µg/kg	30 U	30 U	45	43000	950
Hexachlorobutadiene	µg/kg	100 U	100 U	100 U	100 U	100 U

	Event	Fox-Ave Additional Geoprobes Investigation (June 2009)				
	Location	GP-72	GP-73	GP-73	GP-73	GP-74
	SampleID	**GP-72 61.0-61.5**	**GP-73 2.0-2.5**	**GP-73 6.5-7.0**	**GP-73 17.0-17.5**	**GP-74 2.5-3.0**
	Depth (bgs)	61 - 61.5 ft	2 - 2.5 ft	6.5 - 7 ft	17 - 17.5 ft	2.5 - 3 ft
	Sample Date	06/15/2009	06/16/2009	06/16/2009	06/16/2009	06/15/2009
Volatile Organic Compounds						
Tetrachloroethene	µg/kg	20 U	20 U	20 U	20 U	1200
Trichloroethene	µg/kg	30 U	30 U	30 U	30 U	30 U
cis-1,2-Dichloroethene	µg/kg	20 U	20 U	20 U	20 U	20 U
trans-1,2-Dichloroethene	µg/kg	20 U	20 U	20 U	20 U	20 U
1,1-Dichloroethene	µg/kg	50 U	50 U	50 U	50 U	50 U
Vinyl chloride	µg/kg	2 U	2 U	2 U	2 U	2 U
1,1,1,2-Tetrachloroethane	µg/kg	30 U	30 U	30 U	30 U	30 U
1,1,1-Trichloroethane	µg/kg	20 U	20 U	20 U	20 U	20 U
1,1,2,2-Tetrachloroethane	µg/kg	20 U	20 U	20 U	20 U	20 U
1,1,2-Trichloroethane	µg/kg	30 U	30 U	30 U	30 U	30 U
1,1-Dichloroethane	µg/kg	20 U	20 U	20 U	20 U	20 U
Chloroethane	µg/kg	60 U	60 U	60 U	60 U	60 U
Dichloromethane	µg/kg	20 U	20 U	20 U	20 U	20 U
1,1-Dichloropropene	µg/kg	20 U	20 U	20 U	20 U	20 U
1,2,3-Trichlorobenzene	µg/kg	1000 U	1000 U	1000 U	1000 U	1000 U
1,2,3-Trichloropropane	µg/kg	20 U	20 U	20 U	20 U	20 U
1,2,4-Trichlorobenzene	µg/kg	50 U	50 U	50 U	50 U	50 U
1,2-Dibromo-3-chloropropane	µg/kg	30 U	30 U	30 U	30 U	30 U
1,2-Dibromoethane	µg/kg	5 U	5 U	5 U	5 U	5 U
1,2-Dichlorobenzene	µg/kg	20 U	20 U	20 U	20 U	20 U
1,2-Dichloroethane	µg/kg	30 U	30 U	30 U	30 U	30 U
1,2-Dichloropropane	µg/kg	20 U	20 U	20 U	20 U	20 U
1,3-Dichlorobenzene	µg/kg	20 U	20 U	20 U	20 U	20 U
1,3-Dichloropropane	µg/kg	50 U	50 U	50 U	50 U	50 U
1,4-Dichlorobenzene	µg/kg	20 U	20 U	20 U	20 U	20 U
2,2-Dichloropropane	µg/kg	50 U	50 U	50 U	50 U	50 U
2-Chlorotoluene	µg/kg	20 U	20 U	20 U	20 U	20 U
4-Chlorotoluene	µg/kg	20 U	20 U	20 U	20 U	20 U
Bromobenzene	µg/kg	30 U	30 U	30 U	30 U	30 U
Bromodichloromethane	µg/kg	20 U	20 U	20 U	20 U	20 U
Bromoform	µg/kg	20 U	20 U	20 U	20 U	20 U
Bromomethane	µg/kg	90 U	90 U	90 U	90 U	90 U
Carbon tetrachloride	µg/kg	20 U	20 U	20 U	20 U	20 U
Chlorobenzene	µg/kg	20 U	20 U	20 U	20 U	20 U
Chloroform	µg/kg	20 U	20 U	20 U	20 U	20 U
Chloromethane	µg/kg	60 U	60 U	60 U	60 U	60 U
cis-1,3-Dichloropropene	µg/kg	20 U	20 U	20 U	20 U	20 U
Dibromochloromethane	µg/kg	30 U	30 U	30 U	30 U	30 U
Dibromomethane	µg/kg	40 U	40 U	40 U	40 U	40 U
Dichlorodifluoromethane	µg/kg	60 U	60 U	60 U	60 U	60 U
trans-1,3-Dichloropropene	µg/kg	30 U	30 U	30 U	30 U	30 U
Trichlorofluoromethane	µg/kg	50 U	50 U	50 U	50 U	50 U
BTEX						
Benzene	µg/kg	20 U	20 U	20 U	20 U	20 U
Toluene	µg/kg	20 U	20 U	20 U	20 U	20 U
Ethylbenzene	µg/kg	30 U	30 U	30 U	30 U	30 U
Xylene (total)	µg/kg	30 U	30 U	30 U	30 U	30 U
Alkylated Benzenes						

	Event	Fox-Ave Additional Geoprobes Investigation (June 2009)				
	Location	GP-72	GP-73	GP-73	GP-73	GP-74
	SampleID	**GP-72 61.0-61.5**	**GP-73 2.0-2.5**	**GP-73 6.5-7.0**	**GP-73 17.0-17.5**	**GP-74 2.5-3.0**
	Depth (bgs)	61 - 61.5 ft	2 - 2.5 ft	6.5 - 7 ft	17 - 17.5 ft	2.5 - 3 ft
	Sample Date	06/15/2009	06/16/2009	06/16/2009	06/16/2009	06/15/2009
Alkylated Benzenes						
1,3,5-Trimethylbenzene	µg/kg	20 U	20 U	20 U	20 U	20 U
n-Propylbenzene	µg/kg	20 U	20 U	20 U	20 U	20 U
1,2,4-Trimethylbenzene	µg/kg	30.5	20 U	20 U	20 U	20 U
Cymene	µg/kg	20 U	20 U	20 U	20 U	20 U
iso-Propylbenzene	µg/kg	80 U	80 U	80 U	80 U	80 U
n-Butylbenzene	µg/kg	20 U	20 U	20 U	20 U	20 U
sec-Butylbenzene	µg/kg	20 U	20 U	20 U	20 U	20 U
Styrene	µg/kg	20 U	20 U	20 U	20 U	20 U
tert-Butylbenzene	µg/kg	20 U	20 U	20 U	20 U	20 U
Semivolatile Organic Compounds						
Naphthalene	µg/kg	24	30 U	30 U	30 U	30 U
Hexachlorobutadiene	µg/kg	100 U	100 U	100 U	100 U	100 U

	Event	Fox-Ave Additional Geoprobes Investigation (June 2009)				
	Location	GP-74	GP-74	GP-74A	GP-74A	GP-74A
	SampleID	**GP-74 5.0-5.5**	**GP-74 9.5-10.0**	**GP-74A 28.5-29.0**	**GP-74A 45.5-46.0**	**GP-74A 51.5-52.0**
	Depth (bgs)	5 - 5.5 ft	9.5 - 10 ft	28.5 - 29 ft	45.5 - 46 ft	51.5 - 52 ft
	Sample Date	06/15/2009	06/15/2009	06/24/2009	06/24/2009	06/24/2009
Volatile Organic Compounds						
Tetrachloroethene	µg/kg	1100000 J	1100000 J	830	20 U	20 U
Trichloroethene	µg/kg	1300	11000	20 J	30 U	30 U
cis-1,2-Dichloroethene	µg/kg	200 U	200 U	20 U	20 U	20 U
trans-1,2-Dichloroethene	µg/kg	200 U	200 U	20 U	20 U	20 U
1,1-Dichloroethene	µg/kg	500 U	500 U	50 U	50 U	50 U
Vinyl chloride	µg/kg	20 U	20 U	2 U	2 U	2 U
1,1,1,2-Tetrachloroethane	µg/kg	300 U	300 U	30 U	30 U	30 U
1,1,1-Trichloroethane	µg/kg	200 U	200 U	20 U	20 U	20 U
1,1,2,2-Tetrachloroethane	µg/kg	200 U	200 U	20 U	20 U	20 U
1,1,2-Trichloroethane	µg/kg	300 U	300 U	30 U	30 U	30 U
1,1-Dichloroethane	µg/kg	200 U	200 U	20 U	20 U	20 U
Chloroethane	µg/kg	600 U	600 U	60 U	60 U	60 U
Dichloromethane	µg/kg	200 U	200 U	20 U	20 U	20 U
1,1-Dichloropropene	µg/kg	200 U	200 U	20 U	20 U	20 U
1,2,3-Trichlorobenzene	µg/kg	10000 U	10000 U	1000 U	1000 U	1000 U
1,2,3-Trichloropropane	µg/kg	200 U	200 U	20 U	20 U	20 U
1,2,4-Trichlorobenzene	µg/kg	500 U	500 U	50 U	50 U	50 U
1,2-Dibromo-3-chloropropane	µg/kg	300 U	300 U	30 U	30 U	30 U
1,2-Dibromoethane	µg/kg	50 U	50 U	5 U	5 U	5 U
1,2-Dichlorobenzene	µg/kg	200 U	200 U	20 U	20 U	20 U
1,2-Dichloroethane	µg/kg	300 U	300 U	30 U	30 U	30 U
1,2-Dichloropropane	µg/kg	200 U	200 U	20 U	20 U	20 U
1,3-Dichlorobenzene	µg/kg	200 U	200 U	20 U	20 U	20 U
1,3-Dichloropropane	µg/kg	500 U	500 U	50 U	50 U	50 U
1,4-Dichlorobenzene	µg/kg	200 U	200 U	20 U	20 U	20 U
2,2-Dichloropropane	µg/kg	500 U	500 U	50 U	50 U	50 U
2-Chlorotoluene	µg/kg	200 U	200 U	20 U	20 U	20 U
4-Chlorotoluene	µg/kg	200 U	200 U	20 U	20 U	20 U
Bromobenzene	µg/kg	300 U	300 U	30 U	30 U	30 U
Bromodichloromethane	µg/kg	200 U	200 U	20 U	20 U	20 U
Bromoform	µg/kg	200 U	200 U	20 U	20 U	20 U
Bromomethane	µg/kg	900 U	900 U	90 U	90 U	90 U
Carbon tetrachloride	µg/kg	200 U	200 U	20 U	20 U	20 U
Chlorobenzene	µg/kg	200 U	200 U	20 U	20 U	20 U
Chloroform	µg/kg	200 U	200 U	20 U	20 U	20 U
Chloromethane	µg/kg	600 U	600 U	60 U	60 U	60 U
cis-1,3-Dichloropropene	µg/kg	200 U	200 U	20 U	20 U	20 U
Dibromochloromethane	µg/kg	300 U	300 U	30 U	30 U	30 U
Dibromomethane	µg/kg	400 U	400 U	40 U	40 U	40 U
Dichlorodifluoromethane	µg/kg	600 U	600 U	60 U	60 U	60 U
trans-1,3-Dichloropropene	µg/kg	300 U	300 U	30 U	30 U	30 U
Trichlorofluoromethane	µg/kg	500 U	500 U	50 U	50 U	50 U
BTEX						
Benzene	µg/kg	200 U	200 U	20 U	20 U	20 U
Toluene	µg/kg	200 U	200 U	20 U	20 U	20 U
Ethylbenzene	µg/kg	300 U	300 U	30 U	30 U	30 U
Xylene (total)	µg/kg	300 U	300 U	30 U	30 U	30 U
Alkylated Benzenes						

	Event	Fox-Ave Additional Geoprobes Investigation (June 2009)				
	Location	GP-74	GP-74	GP-74A	GP-74A	GP-74A
	SampleID	**GP-74 5.0-5.5**	**GP-74 9.5-10.0**	**GP-74A 28.5-29.0**	**GP-74A 45.5-46.0**	**GP-74A 51.5-52.0**
	Depth (bgs)	5 - 5.5 ft	9.5 - 10 ft	28.5 - 29 ft	45.5 - 46 ft	51.5 - 52 ft
	Sample Date	06/15/2009	06/15/2009	06/24/2009	06/24/2009	06/24/2009
Alkylated Benzenes						
1,3,5-Trimethylbenzene	µg/kg	200 U	200 U	20 U	20 U	20 U
n-Propylbenzene	µg/kg	200 U	200 U	20 U	20 U	20 U
1,2,4-Trimethylbenzene	µg/kg	200 U	200 U	20 U	20 U	20 U
Cymene	µg/kg	200 U	200 U	20 U	20 U	20 U
iso-Propylbenzene	µg/kg	800 U	800 U	80 U	80 U	80 U
n-Butylbenzene	µg/kg	200 U	200 U	20 U	20 U	20 U
sec-Butylbenzene	µg/kg	200 U	200 U	20 U	20 U	20 U
Styrene	µg/kg	200 U	200 U	20 U	20 U	20 U
tert-Butylbenzene	µg/kg	200 U	200 U	20 U	20 U	20 U
Semivolatile Organic Compounds						
Naphthalene	µg/kg	300 U	300 U	30 U	30 U	30 U
Hexachlorobutadiene	µg/kg	1000 U	1000 U	100 U	100 U	100 U

	Event	Fox-Ave Additional Geoprobes Investigation (June 2009)				
	Location	GP-74A	GP-75	GP-75	GP-75	GP-75
	SampleID	**GP-74A 56.0-56.5**	**GP-75 3.0-3.5**	**GP-75 6.0-6.5**	**GP-75 10.5-11.0**	**GP-75 33.0-33.5**
	Depth (bgs)	56 - 56.5 ft	3 - 3.5 ft	6 - 6.5 ft	10.5 - 11 ft	33 - 33.5 ft
	Sample Date	06/24/2009	06/23/2009	06/23/2009	06/23/2009	06/23/2009
Volatile Organic Compounds						
Tetrachloroethene	µg/kg	20 U	10000	3900	520	20 U
Trichloroethene	µg/kg	30 U	30 U	30 U	30 U	70
cis-1,2-Dichloroethene	µg/kg	20 U	20 U	20 U	20 U	950
trans-1,2-Dichloroethene	µg/kg	20 U	20 U	20 U	20 U	20 U
1,1-Dichloroethene	µg/kg	50 U	50 U	50 U	50 U	50 U
Vinyl chloride	µg/kg	2 U	2 U	2 U	2 U	800
1,1,1,2-Tetrachloroethane	µg/kg	30 U	30 U	30 U	30 U	30 U
1,1,1-Trichloroethane	µg/kg	20 U	20 U	20 U	20 U	20 U
1,1,2,2-Tetrachloroethane	µg/kg	20 U	20 U	20 U	20 U	20 U
1,1,2-Trichloroethane	µg/kg	30 U	30 U	30 U	30 U	30 U
1,1-Dichloroethane	µg/kg	20 U	20 U	20 U	20 U	20 U
Chloroethane	µg/kg	60 U	60 U	60 U	60 U	60 U
Dichloromethane	µg/kg	20 U	20 U	20 U	20 U	20 U
1,1-Dichloropropene	µg/kg	20 U	20 U	20 U	20 U	20 U
1,2,3-Trichlorobenzene	µg/kg	1000 U	1000 U	1000 U	1000 U	1000 U
1,2,3-Trichloropropane	µg/kg	20 U	20 U	20 U	20 U	20 U
1,2,4-Trichlorobenzene	µg/kg	50 U	50 U	50 U	50 U	50 U
1,2-Dibromo-3-chloropropane	µg/kg	30 U	30 U	30 U	30 U	30 U
1,2-Dibromoethane	µg/kg	5 U	5 U	5 U	5 U	5 U
1,2-Dichlorobenzene	µg/kg	20 U	20 U	20 U	20 U	20 U
1,2-Dichloroethane	µg/kg	30 U	30 U	30 U	30 U	30 U
1,2-Dichloropropane	µg/kg	20 U	20 U	20 U	20 U	20 U
1,3-Dichlorobenzene	µg/kg	20 U	20 U	20 U	20 U	20 U
1,3-Dichloropropane	µg/kg	50 U	50 U	50 U	50 U	50 U
1,4-Dichlorobenzene	µg/kg	20 U	20 U	20 U	20 U	20 U
2,2-Dichloropropane	µg/kg	50 U	50 U	50 U	50 U	50 U
2-Chlorotoluene	µg/kg	20 U	20 U	20 U	20 U	20 U
4-Chlorotoluene	µg/kg	20 U	20 U	20 U	20 U	20 U
Bromobenzene	µg/kg	30 U	30 U	30 U	30 U	30 U
Bromodichloromethane	µg/kg	20 U	20 U	20 U	20 U	20 U
Bromoform	µg/kg	20 U	20 U	20 U	20 U	20 U
Bromomethane	µg/kg	90 U	90 U	90 U	90 U	90 U
Carbon tetrachloride	µg/kg	20 U	20 U	20 U	20 U	20 U
Chlorobenzene	µg/kg	20 U	20 U	20 U	20 U	20 U
Chloroform	µg/kg	20 U	20 U	20 U	20 U	20 U
Chloromethane	µg/kg	60 U	60 U	60 U	60 U	60 U
cis-1,3-Dichloropropene	µg/kg	20 U	20 U	20 U	20 U	20 U
Dibromochloromethane	µg/kg	30 U	30 U	30 U	30 U	30 U
Dibromomethane	µg/kg	40 U	40 U	40 U	40 U	40 U
Dichlorodifluoromethane	µg/kg	60 U	60 U	60 U	60 U	60 U
trans-1,3-Dichloropropene	µg/kg	30 U	30 U	30 U	30 U	30 U
Trichlorofluoromethane	µg/kg	50 U	50 U	50 U	50 U	50 U
BTEX						
Benzene	µg/kg	20 U	20 U	20 U	20 U	20 U
Toluene	µg/kg	20 U	20 U	20 U	20 U	20 U
Ethylbenzene	µg/kg	30 U	30 U	30 U	30 U	30 U
Xylene (total)	µg/kg	30 U	30 U	30 U	30 U	30 U
Alkylated Benzenes						

	Event	Fox-Ave Additional Geoprobes Investigation (June 2009)				
	Location	GP-74A	GP-75	GP-75	GP-75	GP-75
	SampleID	**GP-74A 56.0-56.5**	**GP-75 3.0-3.5**	**GP-75 6.0-6.5**	**GP-75 10.5-11.0**	**GP-75 33.0-33.5**
	Depth (bgs)	56 - 56.5 ft	3 - 3.5 ft	6 - 6.5 ft	10.5 - 11 ft	33 - 33.5 ft
	Sample Date	06/24/2009	06/23/2009	06/23/2009	06/23/2009	06/23/2009
Alkylated Benzenes						
1,3,5-Trimethylbenzene	µg/kg	20 U	20 U	20 U	20 U	20 U
n-Propylbenzene	µg/kg	20 U	20 U	20 U	20 U	20 U
1,2,4-Trimethylbenzene	µg/kg	20 U	20 U	20 U	20 U	20 U
Cymene	µg/kg	20 U	20 U	20 U	20 U	20 U
iso-Propylbenzene	µg/kg	80 U	80 U	80 U	80 U	80 U
n-Butylbenzene	µg/kg	20 U	20 U	20 U	20 U	20 U
sec-Butylbenzene	µg/kg	20 U	20 U	20 U	20 U	20 U
Styrene	µg/kg	20 U	20 U	20 U	20 U	20 U
tert-Butylbenzene	µg/kg	20 U	20 U	20 U	20 U	20 U
Semivolatile Organic Compounds						
Naphthalene	µg/kg	30 U	30 U	30 U	30 U	30 U
Hexachlorobutadiene	µg/kg	100 U	100 U	100 U	100 U	100 U

	Event	Fox-Ave Additional Geoprobes Investigation (June 2009)				
	Location	GP-75	GP-75	GP-75	GP-75	GP-75
	SampleID	**GP-75 42.5-43.0**	**GP-75 47.5-48.0**	**GP-75 51.5-52.0**	**GP-75 58.0-58.5**	**GP-75 61.0-61.5**
	Depth (bgs)	42.5 - 43 ft	47.5 - 48 ft	51.5 - 52 ft	58 - 58.5 ft	61 - 61.5 ft
	Sample Date	06/23/2009	06/23/2009	06/23/2009	06/23/2009	06/23/2009
Volatile Organic Compounds						
Tetrachloroethene	µg/kg	20 U	20 U	40	20 U	20 U
Trichloroethene	µg/kg	30 U	30 U	30 U	50	30 U
cis-1,2-Dichloroethene	µg/kg	1000	5600	11607.5	5200	850
trans-1,2-Dichloroethene	µg/kg	20 U	20 U	20 U	20 U	20 U
1,1-Dichloroethene	µg/kg	50 U	50 U	50 U	50 U	50 U
Vinyl chloride	µg/kg	120	160	718	2 U	2 U
1,1,1,2-Tetrachloroethane	µg/kg	30 U	30 U	30 U	30 U	30 U
1,1,1-Trichloroethane	µg/kg	20 U	20 U	20 U	20 U	20 U
1,1,2,2-Tetrachloroethane	µg/kg	20 U	20 U	20 U	20 U	20 U
1,1,2-Trichloroethane	µg/kg	30 U	30 U	30 U	30 U	30 U
1,1-Dichloroethane	µg/kg	20 U	20 U	20 U	20 U	20 U
Chloroethane	µg/kg	60 U	60 U	60 U	60 U	60 U
Dichloromethane	µg/kg	20 U	20 U	20 U	20 U	20 U
1,1-Dichloropropene	µg/kg	20 U	20 U	20 U	20 U	20 U
1,2,3-Trichlorobenzene	µg/kg	1000 U	1000 U	1000 U	1000 U	1000 U
1,2,3-Trichloropropane	µg/kg	20 U	20 U	20 U	20 U	20 U
1,2,4-Trichlorobenzene	µg/kg	50 U	50 U	50 U	50 U	50 U
1,2-Dibromo-3-chloropropane	µg/kg	30 U	30 U	30 U	30 U	30 U
1,2-Dibromoethane	µg/kg	5 U	5 U	5 U	5 U	5 U
1,2-Dichlorobenzene	µg/kg	20 U	20 U	20 U	20 U	20 U
1,2-Dichloroethane	µg/kg	30 U	30 U	30 U	30 U	30 U
1,2-Dichloropropane	µg/kg	20 U	20 U	20 U	20 U	20 U
1,3-Dichlorobenzene	µg/kg	20 U	20 U	20 U	20 U	20 U
1,3-Dichloropropane	µg/kg	50 U	50 U	50 U	50 U	50 U
1,4-Dichlorobenzene	µg/kg	20 U	20 U	20 U	20 U	20 U
2,2-Dichloropropane	µg/kg	50 U	50 U	50 U	50 U	50 U
2-Chlorotoluene	µg/kg	20 U	20 U	20 U	20 U	20 U
4-Chlorotoluene	µg/kg	20 U	20 U	20 U	20 U	20 U
Bromobenzene	µg/kg	30 U	30 U	30 U	30 U	30 U
Bromodichloromethane	µg/kg	20 U	20 U	20 U	20 U	20 U
Bromoform	µg/kg	20 U	20 U	20 U	20 U	20 U
Bromomethane	µg/kg	90 U	90 U	90 U	90 U	90 U
Carbon tetrachloride	µg/kg	20 U	20 U	20 U	20 U	20 U
Chlorobenzene	µg/kg	20 U	20 U	20 U	20 U	20 U
Chloroform	µg/kg	20 U	20 U	20 U	20 U	20 U
Chloromethane	µg/kg	60 U	60 U	60 U	60 U	60 U
cis-1,3-Dichloropropene	µg/kg	20 U	20 U	20 U	20 U	20 U
Dibromochloromethane	µg/kg	30 U	30 U	30 U	30 U	30 U
Dibromomethane	µg/kg	40 U	40 U	40 U	40 U	40 U
Dichlorodifluoromethane	µg/kg	60 U	60 U	60 U	60 U	60 U
trans-1,3-Dichloropropene	µg/kg	30 U	30 U	30 U	30 U	30 U
Trichlorofluoromethane	µg/kg	50 U	50 U	50 U	50 U	50 U
BTEX						
Benzene	µg/kg	20 U	20 U	20 U	20 U	20 U
Toluene	µg/kg	20 U	20 U	61	40	20 U
Ethylbenzene	µg/kg	450	60	203	30 U	30 U
Xylene (total)	µg/kg	120	30 U	40	30 U	30 U
Alkylated Benzenes						

	Event	Fox-Ave Additional Geoprobes Investigation (June 2009)				
	Location	GP-75	GP-75	GP-75	GP-75	GP-75
	SampleID	**GP-75 42.5-43.0**	**GP-75 47.5-48.0**	**GP-75 51.5-52.0**	**GP-75 58.0-58.5**	**GP-75 61.0-61.5**
	Depth (bgs)	42.5 - 43 ft	47.5 - 48 ft	51.5 - 52 ft	58 - 58.5 ft	61 - 61.5 ft
	Sample Date	06/23/2009	06/23/2009	06/23/2009	06/23/2009	06/23/2009
Alkylated Benzenes						
1,3,5-Trimethylbenzene	µg/kg	20 U	20 U	20 U	20 U	20 U
n-Propylbenzene	µg/kg	20 U	20 U	20 U	20 U	20 U
1,2,4-Trimethylbenzene	µg/kg	20	20 U	48	20 U	20 U
Cymene	µg/kg	20 U	20 U	20 U	20 U	20 U
iso-Propylbenzene	µg/kg	20 J	80 U	80 U	80 U	80 U
n-Butylbenzene	µg/kg	20 U	20 U	20 U	20 U	20 U
sec-Butylbenzene	µg/kg	20 U	20 U	20 U	20 U	20 U
Styrene	µg/kg	20 U	20 U	20 U	20 U	20 U
tert-Butylbenzene	µg/kg	20 U	20 U	20 U	20 U	20 U
Semivolatile Organic Compounds						
Naphthalene	µg/kg	30 U	30 U	30 U	30 U	30 U
Hexachlorobutadiene	µg/kg	100 U	100 U	100 U	100 U	100 U

	Event	Fox-Ave Additional Geoprobes Investigation (June 2009)				
	Location	GP-76	GP-76	GP-76	GP-76	GP-76
	SampleID	**GP-76 1.5-2.0**	**GP-76 11.0-11.5**	**GP-76 17.5-18.0**	**GP-76 37.0-37.5**	**GP-76 46.0-46.5**
	Depth (bgs)	1.5 - 2 ft	11 - 11.5 ft	17.5 - 18 ft	37 - 37.5 ft	46 - 46.5 ft
	Sample Date	06/19/2009	06/19/2009	06/19/2009	06/19/2009	06/19/2009
Volatile Organic Compounds						
Tetrachloroethene	µg/kg	10000	8400	20	30	800
Trichloroethene	µg/kg	170	900	30	40	1200
cis-1,2-Dichloroethene	µg/kg	20 U	490	1800	240	210
trans-1,2-Dichloroethene	µg/kg	20 U	20 U	20 U	20 U	20 U
1,1-Dichloroethene	µg/kg	50 U	50 U	50 U	50 U	50 U
Vinyl chloride	µg/kg	2 U	2 U	300	2 U	2 U
1,1,1,2-Tetrachloroethane	µg/kg	30 U	30 U	30 U	30 U	30 U
1,1,1-Trichloroethane	µg/kg	20 U	70	20 U	20 U	20 U
1,1,2,2-Tetrachloroethane	µg/kg	20 U	20 U	20 U	20 U	20 U
1,1,2-Trichloroethane	µg/kg	30 U	70	30 U	30 U	30 U
1,1-Dichloroethane	µg/kg	20 U	20 U	20 U	20 U	20 U
Chloroethane	µg/kg	60 U	60 U	60 U	60 U	60 U
Dichloromethane	µg/kg	20 U	20 U	20 U	20 U	20 U
1,1-Dichloropropene	µg/kg	20 U	20 U	20 U	20 U	20 U
1,2,3-Trichlorobenzene	µg/kg	1000 U	1000 U	1000 U	1000 U	1000 U
1,2,3-Trichloropropane	µg/kg	20 U	20 U	20 U	20 U	20 U
1,2,4-Trichlorobenzene	µg/kg	50 U	50 U	50 U	50 U	50 U
1,2-Dibromo-3-chloropropane	µg/kg	30 U	30 U	30 U	30 U	30 U
1,2-Dibromoethane	µg/kg	5 U	5 U	5 U	5 U	5 U
1,2-Dichlorobenzene	µg/kg	20 U	20 U	20 U	20 U	20 U
1,2-Dichloroethane	µg/kg	30 U	30 U	30 U	30 U	30 U
1,2-Dichloropropane	µg/kg	20 U	20 U	20 U	20 U	20 U
1,3-Dichlorobenzene	µg/kg	20 U	20 U	20 U	20 U	20 U
1,3-Dichloropropane	µg/kg	50 U	50 U	50 U	50 U	50 U
1,4-Dichlorobenzene	µg/kg	20 U	20 U	20 U	20 U	20 U
2,2-Dichloropropane	µg/kg	50 U	50 U	50 U	50 U	50 U
2-Chlorotoluene	µg/kg	20 U	20 U	20 U	20 U	20 U
4-Chlorotoluene	µg/kg	20 U	20 U	20 U	20 U	20 U
Bromobenzene	µg/kg	30 U	30 U	30 U	30 U	30 U
Bromodichloromethane	µg/kg	20 U	20 U	20 U	20 U	20 U
Bromoform	µg/kg	20 U	20 U	20 U	20 U	20 U
Bromomethane	µg/kg	90 U	90 U	90 U	90 U	90 U
Carbon tetrachloride	µg/kg	20 U	20 U	20 U	20 U	20 U
Chlorobenzene	µg/kg	20 U	20 U	20 U	20 U	20 U
Chloroform	µg/kg	20 U	20 U	20 U	20 U	20 U
Chloromethane	µg/kg	60 U	60 U	60 U	60 U	60 U
cis-1,3-Dichloropropene	µg/kg	20 U	20 U	20 U	20 U	20 U
Dibromochloromethane	µg/kg	30 U	30 U	30 U	30 U	30 U
Dibromomethane	µg/kg	40 U	40 U	40 U	40 U	40 U
Dichlorodifluoromethane	µg/kg	60 U	60 U	60 U	60 U	60 U
trans-1,3-Dichloropropene	µg/kg	30 U	30 U	30 U	30 U	30 U
Trichlorofluoromethane	µg/kg	50 U	50 U	50 U	50 U	50 U
BTEX						
Benzene	µg/kg	20 U	20 U	20 U	20 U	20 U
Toluene	µg/kg	20 U	30	440	20 U	20 U
Ethylbenzene	µg/kg	30 U	30 U	280	30 U	30 U
Xylene (total)	µg/kg	30 U	30 U	300	30 U	30 U
Alkylated Benzenes						

	Event	Fox-Ave Additional Geoprobes Investigation (June 2009)				
	Location	GP-76	GP-76	GP-76	GP-76	GP-76
	SampleID	**GP-76 1.5-2.0**	**GP-76 11.0-11.5**	**GP-76 17.5-18.0**	**GP-76 37.0-37.5**	**GP-76 46.0-46.5**
	Depth (bgs)	1.5 - 2 ft	11 - 11.5 ft	17.5 - 18 ft	37 - 37.5 ft	46 - 46.5 ft
	Sample Date	06/19/2009	06/19/2009	06/19/2009	06/19/2009	06/19/2009
Alkylated Benzenes						
1,3,5-Trimethylbenzene	µg/kg	20 U	20 U	20	20 U	20 U
n-Propylbenzene	µg/kg	20 U	20 U	30	20 U	20 U
1,2,4-Trimethylbenzene	µg/kg	20 U	20 U	180	20 U	20 U
Cymene	µg/kg	20 U	20 U	20	20 U	20 U
iso-Propylbenzene	µg/kg	80 U	80 U	80 U	80 U	80 U
n-Butylbenzene	µg/kg	20 U	20 U	20 U	20 U	20 U
sec-Butylbenzene	µg/kg	20 U	20 U	20 U	20 U	20 U
Styrene	µg/kg	20 U	20 U	20 U	20 U	20 U
tert-Butylbenzene	µg/kg	20 U	20 U	20 U	20 U	20 U
Semivolatile Organic Compounds						
Naphthalene	µg/kg	30 U	30 U	30 U	30 U	30 U
Hexachlorobutadiene	µg/kg	100 U	100 U	100 U	100 U	100 U

	Event	Fox-Ave Additional Geoprobes Investigation (June 2009)				
	Location	GP-76	GP-76	GP-77	GP-77	GP-77
	SampleID	**GP-76 55.5-56.0**	**GP-76 66.5-67.0**	**GP-77 6.0-6.5**	**GP-77 16.0-16.5**	**GP-77 23.0-23.5**
	Depth (bgs)	55.5 - 56 ft	66.5 - 67 ft	6 - 6.5 ft	16 - 16.5 ft	23 - 23.5 ft
	Sample Date	06/19/2009	06/19/2009	06/18/2009	06/18/2009	06/18/2009
Volatile Organic Compounds						
Tetrachloroethene	µg/kg	20 U	20 U	950000 J	1100000 J	1000
Trichloroethene	µg/kg	30	30 U	25000	69000	300 U
cis-1,2-Dichloroethene	µg/kg	20 U	20 U	2700	6500	200 U
trans-1,2-Dichloroethene	µg/kg	20 U	20 U	200 U	200 U	200 U
1,1-Dichloroethene	µg/kg	50 U	50 U	500 U	150 J	500 U
Vinyl chloride	µg/kg	2 U	2 U	20 U	20 U	20 U
1,1,1,2-Tetrachloroethane	µg/kg	30 U	30 U	300 U	300 U	300 U
1,1,1-Trichloroethane	µg/kg	20 U	20 U	2700	13000	200 U
1,1,2,2-Tetrachloroethane	µg/kg	20 U	20 U	200 U	200 U	200 U
1,1,2-Trichloroethane	µg/kg	30 U	30 U	300 U	300 U	300 U
1,1-Dichloroethane	µg/kg	20 U	20 U	200 U	360	200 U
Chloroethane	µg/kg	60 U	60 U	600 U	600 U	600 U
Dichloromethane	µg/kg	20 U	20 U	200 U	200 U	200 U
1,1-Dichloropropene	µg/kg	20 U	20 U	200 U	200 U	200 U
1,2,3-Trichlorobenzene	µg/kg	1000 U	1000 U	10000 U	10000 U	10000 U
1,2,3-Trichloropropane	µg/kg	20 U	20 U	200 U	200 U	200 U
1,2,4-Trichlorobenzene	µg/kg	50 U	50 U	500 U	500 U	500 U
1,2-Dibromo-3-chloropropane	µg/kg	30 U	30 U	300 U	300 U	300 U
1,2-Dibromoethane	µg/kg	5 U	5 U	50 U	50 U	50 U
1,2-Dichlorobenzene	µg/kg	20 U	20 U	200 U	200 U	200 U
1,2-Dichloroethane	µg/kg	30 U	30 U	300 U	300 U	300 U
1,2-Dichloropropane	µg/kg	20 U	20 U	200 U	200 U	200 U
1,3-Dichlorobenzene	µg/kg	20 U	20 U	200 U	200 U	200 U
1,3-Dichloropropane	µg/kg	50 U	50 U	500 U	500 U	500 U
1,4-Dichlorobenzene	µg/kg	20 U	20 U	200 U	200 U	200 U
2,2-Dichloropropane	µg/kg	50 U	50 U	500 U	500 U	500 U
2-Chlorotoluene	µg/kg	20 U	20 U	200 U	200 U	200 U
4-Chlorotoluene	µg/kg	20 U	20 U	200 U	200 U	200 U
Bromobenzene	µg/kg	30 U	30 U	300 U	300 U	300 U
Bromodichloromethane	µg/kg	20 U	20 U	200 U	200 U	200 U
Bromoform	µg/kg	20 U	20 U	200 U	200 U	200 U
Bromomethane	µg/kg	90 U	90 U	900 U	900 U	900 U
Carbon tetrachloride	µg/kg	20 U	20 U	200 U	200 U	200 U
Chlorobenzene	µg/kg	20 U	20 U	200 U	200 U	200 U
Chloroform	µg/kg	20 U	20 U	200 U	200 U	200 U
Chloromethane	µg/kg	60 U	60 U	600 U	600 U	600 U
cis-1,3-Dichloropropene	µg/kg	20 U	20 U	200 U	200 U	200 U
Dibromochloromethane	µg/kg	30 U	30 U	300 U	300 U	300 U
Dibromomethane	µg/kg	40 U	40 U	400 U	400 U	400 U
Dichlorodifluoromethane	µg/kg	60 U	60 U	600 U	600 U	600 U
trans-1,3-Dichloropropene	µg/kg	30 U	30 U	300 U	300 U	300 U
Trichlorofluoromethane	µg/kg	50 U	50 U	500 U	500 U	500 U
BTEX						
Benzene	µg/kg	20 U	20 U	200 U	1500	200 U
Toluene	µg/kg	20 U	20 U	5300	160000	250
Ethylbenzene	µg/kg	30 U	30 U	2400	12000	1600
Xylene (total)	µg/kg	30 U	30 U	29000	43000	300 U
Alkylated Benzenes						

	Event	Fox-Ave Additional Geoprobes Investigation (June 2009)				
	Location	GP-76	GP-76	GP-77	GP-77	GP-77
	SampleID	**GP-76 55.5-56.0**	**GP-76 66.5-67.0**	**GP-77 6.0-6.5**	**GP-77 16.0-16.5**	**GP-77 23.0-23.5**
	Depth (bgs)	55.5 - 56 ft	66.5 - 67 ft	6 - 6.5 ft	16 - 16.5 ft	23 - 23.5 ft
	Sample Date	06/19/2009	06/19/2009	06/18/2009	06/18/2009	06/18/2009
Alkylated Benzenes						
1,3,5-Trimethylbenzene	µg/kg	20 U	20 U	38000	14000	650
n-Propylbenzene	µg/kg	20 U	20 U	3900	6000	500
1,2,4-Trimethylbenzene	µg/kg	20 U	20 U	57000	42000	2300
Cymene	µg/kg	20 U	20 U	14000	3700	200 U
iso-Propylbenzene	µg/kg	80 U	80 U	1300	2200	800 U
n-Butylbenzene	µg/kg	20 U	20 U	17000	4900	550
sec-Butylbenzene	µg/kg	20 U	20 U	11000	2800	200 U
Styrene	µg/kg	20 U	20 U	200 U	200 U	200 U
tert-Butylbenzene	µg/kg	20 U	20 U	200 U	200 U	200 U
Semivolatile Organic Compounds						
Naphthalene	µg/kg	30 U	30 U	2500	1900	300 U
Hexachlorobutadiene	µg/kg	100 U	100 U	1000 U	1000 U	1000 U

	Event	Fox-Ave Additional Geoprobes Investigation (June 2009)				
	Location	GP-77	GP-77	GP-77	GP-77	GP-77
	SampleID	**GP-77 31.0-31.5**	**GP-77 45.5-50.0**	**GP-77 56.5-57.0**	**GP-77 60.5-61.0**	**GP-77 66.5-67.0**
	Depth (bgs)	31 - 31.5 ft	45.5 - 50 ft	56.5 - 57 ft	60.5 - 61 ft	66.5 - 67 ft
	Sample Date	06/18/2009	06/18/2009	06/18/2009	06/18/2009	06/18/2009
Volatile Organic Compounds						
Tetrachloroethene	µg/kg	20 U	800	1300	250	20 U
Trichloroethene	µg/kg	30 U	1300	76000	30 U	30 U
cis-1,2-Dichloroethene	µg/kg	20 U	50	18000	20 U	20 U
trans-1,2-Dichloroethene	µg/kg	20 U	20 U	20 U	20 U	20 U
1,1-Dichloroethene	µg/kg	50 U	50 U	50 U	50 U	50 U
Vinyl chloride	µg/kg	2 U	2 U	2 U	2 U	2 U
1,1,1,2-Tetrachloroethane	µg/kg	30 U	30 U	30 U	30 U	30 U
1,1,1-Trichloroethane	µg/kg	20 U	20 U	20 U	20 U	20 U
1,1,2,2-Tetrachloroethane	µg/kg	20 U	20 U	20 U	20 U	20 U
1,1,2-Trichloroethane	µg/kg	30 U	30 U	30 U	30 U	30 U
1,1-Dichloroethane	µg/kg	20 U	20 U	20 U	20 U	20 U
Chloroethane	µg/kg	60 U	60 U	60 U	60 U	60 U
Dichloromethane	µg/kg	20 U	20 U	20 U	20 U	20 U
1,1-Dichloropropene	µg/kg	20 U	20 U	20 U	20 U	20 U
1,2,3-Trichlorobenzene	µg/kg	1000 U	1000 U	1000 U	1000 U	1000 U
1,2,3-Trichloropropane	µg/kg	20 U	20 U	20 U	20 U	20 U
1,2,4-Trichlorobenzene	µg/kg	50 U	50 U	50 U	50 U	50 U
1,2-Dibromo-3-chloropropane	µg/kg	30 U	30 U	30 U	30 U	30 U
1,2-Dibromoethane	µg/kg	5 U	5 U	5 U	5 U	5 U
1,2-Dichlorobenzene	µg/kg	20 U	20 U	20 U	20 U	20 U
1,2-Dichloroethane	µg/kg	30 U	30 U	30 U	30 U	30 U
1,2-Dichloropropane	µg/kg	20 U	20 U	20 U	20 U	20 U
1,3-Dichlorobenzene	µg/kg	20 U	20 U	20 U	20 U	20 U
1,3-Dichloropropane	µg/kg	50 U	50 U	50 U	50 U	50 U
1,4-Dichlorobenzene	µg/kg	20 U	20 U	20 U	20 U	20 U
2,2-Dichloropropane	µg/kg	50 U	50 U	50 U	50 U	50 U
2-Chlorotoluene	µg/kg	20 U	20 U	20 U	20 U	20 U
4-Chlorotoluene	µg/kg	20 U	20 U	20 U	20 U	20 U
Bromobenzene	µg/kg	30 U	30 U	30 U	30 U	30 U
Bromodichloromethane	µg/kg	20 U	20 U	20 U	20 U	20 U
Bromoform	µg/kg	20 U	20 U	20 U	20 U	20 U
Bromomethane	µg/kg	90 U	90 U	90 U	90 U	90 U
Carbon tetrachloride	µg/kg	20 U	20 U	20 U	20 U	20 U
Chlorobenzene	µg/kg	20 U	20 U	20 U	20 U	20 U
Chloroform	µg/kg	20 U	20 U	20 U	20 U	20 U
Chloromethane	µg/kg	60 U	60 U	60 U	60 U	60 U
cis-1,3-Dichloropropene	µg/kg	20 U	20 U	20 U	20 U	20 U
Dibromochloromethane	µg/kg	30 U	30 U	30 U	30 U	30 U
Dibromomethane	µg/kg	40 U	40 U	40 U	40 U	40 U
Dichlorodifluoromethane	µg/kg	60 U	60 U	60 U	60 U	60 U
trans-1,3-Dichloropropene	µg/kg	30 U	30 U	30 U	30 U	30 U
Trichlorofluoromethane	µg/kg	50 U	50 U	50 U	50 U	50 U
BTEX						
Benzene	µg/kg	20 U	20 U	20 U	20 U	20 U
Toluene	µg/kg	20 U	20 U	20	20	20 U
Ethylbenzene	µg/kg	30 U	30 U	30 U	30 U	30 U
Xylene (total)	µg/kg	30 U	30 U	30 U	30 U	30 U
Alkylated Benzenes						

	Event	Fox-Ave Additional Geoprobes Investigation (June 2009)				
	Location	GP-77	GP-77	GP-77	GP-77	GP-77
	SampleID	**GP-77 31.0-31.5**	**GP-77 45.5-50.0**	**GP-77 56.5-57.0**	**GP-77 60.5-61.0**	**GP-77 66.5-67.0**
	Depth (bgs)	31 - 31.5 ft	45.5 - 50 ft	56.5 - 57 ft	60.5 - 61 ft	66.5 - 67 ft
	Sample Date	06/18/2009	06/18/2009	06/18/2009	06/18/2009	06/18/2009
Alkylated Benzenes						
1,3,5-Trimethylbenzene	µg/kg	160	20 U	20 U	20 U	20 U
n-Propylbenzene	µg/kg	120	20 U	20 U	20 U	20 U
1,2,4-Trimethylbenzene	µg/kg	240	20 U	20 U	20 U	20 U
Cymene	µg/kg	330	20 U	20 U	20 U	20 U
iso-Propylbenzene	µg/kg	80 U	80 U	80 U	80 U	80 U
n-Butylbenzene	µg/kg	490	20 U	20 U	20 U	20 U
sec-Butylbenzene	µg/kg	260	20 U	20 U	20 U	20 U
Styrene	µg/kg	20 U	20 U	20 U	20 U	20 U
tert-Butylbenzene	µg/kg	20 U	20 U	20 U	20 U	20 U
Semivolatile Organic Compounds						
Naphthalene	µg/kg	30 U	30 U	30 U	30 U	30 U
Hexachlorobutadiene	µg/kg	100 U	100 U	100 U	100 U	100 U

	Event	Fox-Ave Additional Geoprobes Investigation (June 2009)				
	Location	GP-78	GP-78	GP-78	GP-78	GP-78
	SampleID	**GP-78 5.0-5.5**	**GP-78 9.5-10.0**	**GP-78 13.5-14.0**	**GP-78 45.0-45.5**	**GP-78 55.0-56.0**
	Depth (bgs)	5 - 5.5 ft	9.5 - 10 ft	13.5 - 14 ft	45 - 45.5 ft	55 - 56 ft
	Sample Date	06/17/2009	06/17/2009	06/17/2009	06/17/2009	06/18/2009
Volatile Organic Compounds						
Tetrachloroethene	µg/kg	3213	47.5	20 U	20 UJ	20 U
Trichloroethene	µg/kg	61.5	30 U	30 U	30 UJ	30 U
cis-1,2-Dichloroethene	µg/kg	42.5	20 U	20 U	58.5 J	20 U
trans-1,2-Dichloroethene	µg/kg	20 U	20 U	20 U	20 UJ	20 U
1,1-Dichloroethene	µg/kg	50 U	50 U	50 U	50 UJ	50 U
Vinyl chloride	µg/kg	2 U	2 U	2 U	2 UJ	2 U
1,1,1,2-Tetrachloroethane	µg/kg	30 U	30 U	30 U	30 UJ	30 U
1,1,1-Trichloroethane	µg/kg	20 U	20 U	20 U	20 UJ	20 U
1,1,2,2-Tetrachloroethane	µg/kg	20 U	20 U	20 U	20 UJ	20 U
1,1,2-Trichloroethane	µg/kg	30 U	30 U	30 U	30 UJ	30 U
1,1-Dichloroethane	µg/kg	20 U	20 U	20 U	20 UJ	20 U
Chloroethane	µg/kg	60 U	60 U	60 U	60 UJ	60 U
Dichloromethane	µg/kg	20 U	20 U	20 U	20 UJ	20 U
1,1-Dichloropropene	µg/kg	20 U	20 U	20 U	20 UJ	20 U
1,2,3-Trichlorobenzene	µg/kg	1000 U	1000 U	1000 U	1000 UJ	1000 U
1,2,3-Trichloropropane	µg/kg	20 U	20 U	20 U	20 UJ	20 U
1,2,4-Trichlorobenzene	µg/kg	50 U	50 U	50 U	50 UJ	50 U
1,2-Dibromo-3-chloropropane	µg/kg	30 U	30 U	30 U	30 UJ	30 U
1,2-Dibromoethane	µg/kg	5 U	5 U	5 U	5 UJ	5 U
1,2-Dichlorobenzene	µg/kg	20 U	20 U	20 U	20 UJ	20 U
1,2-Dichloroethane	µg/kg	30 U	30 U	30 U	30 UJ	30 U
1,2-Dichloropropane	µg/kg	20 U	20 U	20 U	20 UJ	20 U
1,3-Dichlorobenzene	µg/kg	20 U	20 U	20 U	20 UJ	20 U
1,3-Dichloropropane	µg/kg	50 U	50 U	50 U	50 UJ	50 U
1,4-Dichlorobenzene	µg/kg	20 U	20 U	20 U	20 UJ	20 U
2,2-Dichloropropane	µg/kg	50 U	50 U	50 U	50 UJ	50 U
2-Chlorotoluene	µg/kg	20 U	20 U	20 U	20 UJ	20 U
4-Chlorotoluene	µg/kg	20 U	20 U	20 U	20 UJ	20 U
Bromobenzene	µg/kg	30 U	30 U	30 U	30 UJ	30 U
Bromodichloromethane	µg/kg	20 U	20 U	20 U	20 UJ	20 U
Bromoform	µg/kg	20 U	20 U	20 U	20 UJ	20 U
Bromomethane	µg/kg	90 U	90 U	90 U	90 UJ	90 U
Carbon tetrachloride	µg/kg	20 U	20 U	20 U	20 UJ	20 U
Chlorobenzene	µg/kg	20 U	20 U	20 U	20 UJ	20 U
Chloroform	µg/kg	20 U	20 U	20 U	20 UJ	20 U
Chloromethane	µg/kg	60 U	60 U	60 U	60 UJ	60 U
cis-1,3-Dichloropropene	µg/kg	20 U	20 U	20 U	20 UJ	20 U
Dibromochloromethane	µg/kg	30 U	30 U	30 U	30 UJ	30 U
Dibromomethane	µg/kg	40 U	40 U	40 U	40 UJ	40 U
Dichlorodifluoromethane	µg/kg	60 U	60 U	60 U	60 UJ	60 U
trans-1,3-Dichloropropene	µg/kg	30 U	30 U	30 U	30 UJ	30 U
Trichlorofluoromethane	µg/kg	50 U	50 U	50 U	50 UJ	50 U
BTEX						
Benzene	µg/kg	20 U	20 U	20 U	20 UJ	20 U
Toluene	µg/kg	20 U	20 U	20 U	20 UJ	20 U
Ethylbenzene	µg/kg	30 U	30 U	30 U	928.5 J	30 U
Xylene (total)	µg/kg	30 U	30 U	30 U	472 J	30 U
Alkylated Benzenes						

	Event	Fox-Ave Additional Geoprobes Investigation (June 2009)				
	Location	GP-78	GP-78	GP-78	GP-78	GP-78
	SampleID	**GP-78 5.0-5.5**	**GP-78 9.5-10.0**	**GP-78 13.5-14.0**	**GP-78 45.0-45.5**	**GP-78 55.0-56.0**
	Depth (bgs)	5 - 5.5 ft	9.5 - 10 ft	13.5 - 14 ft	45 - 45.5 ft	55 - 56 ft
	Sample Date	06/17/2009	06/17/2009	06/17/2009	06/17/2009	06/18/2009
Alkylated Benzenes						
1,3,5-Trimethylbenzene	µg/kg	20 U	20 U	20 U	7653.5 J	71
n-Propylbenzene	µg/kg	20 U	20 U	20 U	3400 J	256
1,2,4-Trimethylbenzene	µg/kg	20 U	20 U	20 U	10853 J	180
Cymene	µg/kg	20 U	20 U	20 U	3033.5 J	155
iso-Propylbenzene	µg/kg	80 U	80 U	80 U	1120 J	50 J
n-Butylbenzene	µg/kg	20 U	20 U	20 U	4237.5 J	564.5
sec-Butylbenzene	µg/kg	20 U	20 U	20 U	2735.5 J	285
Styrene	µg/kg	20 U	20 U	20 U	20 UJ	20 U
tert-Butylbenzene	µg/kg	20 U	20 U	20 U	82.5 J	20 U
Semivolatile Organic Compounds						
Naphthalene	µg/kg	30 U	30 U	30 U	329.5 J	30 U
Hexachlorobutadiene	µg/kg	100 U	100 U	100 U	100 UJ	100 U

	Event	Fox-Ave Additional Geoprobes Investigation (June 2009)				
	Location	GP-78	GP-78	GP-79	GP-79	GP-79
	SampleID	**GP-78 55.5-56.0**	**GP-78 58.0-59.0**	**GP-79 2.0-3.0**	**GP-79 11.0-11.5**	**GP-79 18.0-18.5**
	Depth (bgs)	55.5 - 56 ft	58 - 59 ft	2 - 3 ft	11 - 11.5 ft	18 - 18.5 ft
	Sample Date	06/17/2009	06/18/2009	06/22/2009	06/22/2009	06/22/2009
Volatile Organic Compounds						
Tetrachloroethene	µg/kg	30	20 U	20 U	20 U	20 U
Trichloroethene	µg/kg	30 U	190	30 U	30 U	30 U
cis-1,2-Dichloroethene	µg/kg	20 U	80	20 U	20 U	20 U
trans-1,2-Dichloroethene	µg/kg	20 U	20 U	20 U	20 U	20 U
1,1-Dichloroethene	µg/kg	50 U	50 U	50 U	50 U	50 U
Vinyl chloride	µg/kg	2 U	2 U	2 U	2 U	2 U
1,1,1,2-Tetrachloroethane	µg/kg	30 U	30 U	30 U	30 U	30 U
1,1,1-Trichloroethane	µg/kg	20 U	20 U	20 U	20 U	20 U
1,1,2,2-Tetrachloroethane	µg/kg	20 U	20 U	20 U	20 U	20 U
1,1,2-Trichloroethane	µg/kg	30 U	30 U	30 U	30 U	30 U
1,1-Dichloroethane	µg/kg	20 U	20 U	20 U	20 U	20 U
Chloroethane	µg/kg	60 U	60 U	60 U	60 U	60 U
Dichloromethane	µg/kg	20 U	20 U	20 U	20 U	20 U
1,1-Dichloropropene	µg/kg	20 U	20 U	20 U	20 U	20 U
1,2,3-Trichlorobenzene	µg/kg	1000 U	1000 U	1000 U	1000 U	1000 U
1,2,3-Trichloropropane	µg/kg	20 U	20 U	20 U	20 U	20 U
1,2,4-Trichlorobenzene	µg/kg	50 U	50 U	50 U	50 U	50 U
1,2-Dibromo-3-chloropropane	µg/kg	30 U	30 U	30 U	30 U	30 U
1,2-Dibromoethane	µg/kg	5 U	5 U	5 U	5 U	5 U
1,2-Dichlorobenzene	µg/kg	20 U	20 U	20 U	20 U	20 U
1,2-Dichloroethane	µg/kg	30 U	30 U	30 U	30 U	30 U
1,2-Dichloropropane	µg/kg	20 U	20 U	20 U	20 U	20 U
1,3-Dichlorobenzene	µg/kg	20 U	20 U	20 U	20 U	20 U
1,3-Dichloropropane	µg/kg	50 U	50 U	50 U	50 U	50 U
1,4-Dichlorobenzene	µg/kg	20 U	20 U	20 U	20 U	20 U
2,2-Dichloropropane	µg/kg	50 U	50 U	50 U	50 U	50 U
2-Chlorotoluene	µg/kg	20 U	20 U	20 U	20 U	20 U
4-Chlorotoluene	µg/kg	20 U	20 U	20 U	20 U	20 U
Bromobenzene	µg/kg	30 U	30 U	30 U	30 U	30 U
Bromodichloromethane	µg/kg	20 U	20 U	20 U	20 U	20 U
Bromoform	µg/kg	20 U	20 U	20 U	20 U	20 U
Bromomethane	µg/kg	90 U	90 U	90 U	90 U	90 U
Carbon tetrachloride	µg/kg	20 U	20 U	20 U	20 U	20 U
Chlorobenzene	µg/kg	20 U	20 U	20 U	20 U	20 U
Chloroform	µg/kg	20 U	20 U	20 U	20 U	20 U
Chloromethane	µg/kg	60 U	60 U	60 U	60 U	60 U
cis-1,3-Dichloropropene	µg/kg	20 U	20 U	20 U	20 U	20 U
Dibromochloromethane	µg/kg	30 U	30 U	30 U	30 U	30 U
Dibromomethane	µg/kg	40 U	40 U	40 U	40 U	40 U
Dichlorodifluoromethane	µg/kg	60 U	60 U	60 U	60 U	60 U
trans-1,3-Dichloropropene	µg/kg	30 U	30 U	30 U	30 U	30 U
Trichlorofluoromethane	µg/kg	50 U	50 U	50 U	50 U	50 U
BTEX						
Benzene	µg/kg	20 U	20 U	20 U	20 U	20 U
Toluene	µg/kg	20 U	20 U	20 U	20 U	20 U
Ethylbenzene	µg/kg	30 U	40	30 U	30 U	30 U
Xylene (total)	µg/kg	30 U	30 U	30 U	30 U	30 U
Alkylated Benzenes						

	Event	Fox-Ave Additional Geoprobes Investigation (June 2009)				
	Location	GP-78	GP-78	GP-79	GP-79	GP-79
	SampleID	**GP-78 55.5-56.0**	**GP-78 58.0-59.0**	**GP-79 2.0-3.0**	**GP-79 11.0-11.5**	**GP-79 18.0-18.5**
	Depth (bgs)	55.5 - 56 ft	58 - 59 ft	2 - 3 ft	11 - 11.5 ft	18 - 18.5 ft
	Sample Date	06/17/2009	06/18/2009	06/22/2009	06/22/2009	06/22/2009
Alkylated Benzenes						
1,3,5-Trimethylbenzene	µg/kg	170	20 U	20 U	20 U	20 U
n-Propylbenzene	µg/kg	150	20	20 U	20 U	20 U
1,2,4-Trimethylbenzene	µg/kg	160	20 U	20 U	20 U	20 U
Cymene	µg/kg	1300	20 U	20 U	20 U	20 U
iso-Propylbenzene	µg/kg	20 J	80 U	80 U	80 U	80 U
n-Butylbenzene	µg/kg	5000	20 U	20 U	20 U	20 U
sec-Butylbenzene	µg/kg	2600	20 U	20 U	20 U	20 U
Styrene	µg/kg	20 U	20 U	20 U	20 U	20 U
tert-Butylbenzene	µg/kg	20 U	20 U	20 U	20 U	20 U
Semivolatile Organic Compounds						
Naphthalene	µg/kg	30 U	30 U	30 U	30 U	30 U
Hexachlorobutadiene	µg/kg	100 U	100 U	100 U	100 U	100 U

	Event	Fox-Ave Additional Geoprobes Investigation (June 2009)				
	Location	GP-79	GP-79	GP-79	GP-79	GP-79
	SampleID	**GP-79 31.0-31.5**	**GP-79 7.0-7.5**	**GP-79 47.0-47.5**	**GP-79 56.0-57.0 DUP**	**GP-79 56.0-57.0**
	Depth (bgs)	31 - 31.5 ft	7 - 7.5 ft	47 - 47.5 ft	56 - 57 ft	56 - 57 ft
	Sample Date	06/22/2009	06/22/2009	06/22/2009	06/22/2009	06/22/2009
Volatile Organic Compounds						
Tetrachloroethene	µg/kg	20 U	20 U	20 U	20 U	20 U
Trichloroethene	µg/kg	30 U	30 U	30 U	30 U	30 U
cis-1,2-Dichloroethene	µg/kg	20 U	20 U	20 U	20 U	20 U
trans-1,2-Dichloroethene	µg/kg	20 U	20 U	20 U	20 U	20 U
1,1-Dichloroethene	µg/kg	50 U	50 U	50 U	50 U	50 U
Vinyl chloride	µg/kg	2 U	2 U	2 U	2 U	2 U
1,1,1,2-Tetrachloroethane	µg/kg	30 U	30 U	30 U	30 U	30 U
1,1,1-Trichloroethane	µg/kg	20 U	20 U	20 U	20 U	20 U
1,1,2,2-Tetrachloroethane	µg/kg	20 U	20 U	20 U	20 U	20 U
1,1,2-Trichloroethane	µg/kg	30 U	30 U	30 U	30 U	30 U
1,1-Dichloroethane	µg/kg	20 U	20 U	20 U	20 U	20 U
Chloroethane	µg/kg	60 U	60 U	60 U	60 U	60 U
Dichloromethane	µg/kg	20 U	20 U	20 U	20 U	20 U
1,1-Dichloropropene	µg/kg	20 U	20 U	20 U	20 U	20 U
1,2,3-Trichlorobenzene	µg/kg	1000 U	1000 U	1000 U	1000 U	1000 U
1,2,3-Trichloropropane	µg/kg	20 U	20 U	20 U	20 U	20 U
1,2,4-Trichlorobenzene	µg/kg	50 U	50 U	50 U	50 U	50 U
1,2-Dibromo-3-chloropropane	µg/kg	30 U	30 U	30 U	30 U	30 U
1,2-Dibromoethane	µg/kg	5 U	5 U	5 U	5 U	5 U
1,2-Dichlorobenzene	µg/kg	20 U	20 U	20 U	20 U	20 U
1,2-Dichloroethane	µg/kg	30 U	30 U	30 U	30 U	30 U
1,2-Dichloropropane	µg/kg	20 U	20 U	20 U	20 U	20 U
1,3-Dichlorobenzene	µg/kg	20 U	20 U	20 U	20 U	20 U
1,3-Dichloropropane	µg/kg	50 U	50 U	50 U	50 U	50 U
1,4-Dichlorobenzene	µg/kg	20 U	20 U	20 U	20 U	20 U
2,2-Dichloropropane	µg/kg	50 U	50 U	50 U	50 U	50 U
2-Chlorotoluene	µg/kg	20 U	20 U	20 U	20 U	20 U
4-Chlorotoluene	µg/kg	20 U	20 U	20 U	20 U	20 U
Bromobenzene	µg/kg	30 U	30 U	30 U	30 U	30 U
Bromodichloromethane	µg/kg	20 U	20 U	20 U	20 U	20 U
Bromoform	µg/kg	20 U	20 U	20 U	20 U	20 U
Bromomethane	µg/kg	90 U	90 U	90 U	90 U	90 U
Carbon tetrachloride	µg/kg	20 U	20 U	20 U	20 U	20 U
Chlorobenzene	µg/kg	20 U	20 U	20 U	20 U	20 U
Chloroform	µg/kg	20 U	20 U	20 U	20 U	20 U
Chloromethane	µg/kg	60 U	60 U	60 U	60 U	60 U
cis-1,3-Dichloropropene	µg/kg	20 U	20 U	20 U	20 U	20 U
Dibromochloromethane	µg/kg	30 U	30 U	30 U	30 U	30 U
Dibromomethane	µg/kg	40 U	40 U	40 U	40 U	40 U
Dichlorodifluoromethane	µg/kg	60 U	60 U	60 U	60 U	60 U
trans-1,3-Dichloropropene	µg/kg	30 U	30 U	30 U	30 U	30 U
Trichlorofluoromethane	µg/kg	50 U	50 U	50 U	50 U	50 U
BTEX						
Benzene	µg/kg	20 U	20 U	20 U	20 U	20 U
Toluene	µg/kg	20 U	20 U	20 U	20 U	20 U
Ethylbenzene	µg/kg	30 U	30 U	30 U	30 U	30 U
Xylene (total)	µg/kg	30 U	30 U	30 U	30 U	30 U

	Event	**Fox-Ave Additional Geoprobes Investigation (June 2009)**				
	Location	GP-79	GP-79	GP-79	GP-79	GP-79
	SampleID	**GP-79 31.0-31.5**	**GP-79 7.0-7.5**	**GP-79 47.0-47.5**	**GP-79 56.0-57.0 DUP**	**GP-79 56.0-57.0**
	Depth (bgs)	31 - 31.5 ft	7 - 7.5 ft	47 - 47.5 ft	56 - 57 ft	56 - 57 ft
	Sample Date	06/22/2009	06/22/2009	06/22/2009	06/22/2009	06/22/2009
Alkylated Benzenes						
1,3,5-Trimethylbenzene	µg/kg	20 U	20 U	20 U	20 U	20 U
n-Propylbenzene	µg/kg	20 U	20 U	20 U	20 U	20 U
1,2,4-Trimethylbenzene	µg/kg	20 U	20 U	20 U	20 U	20 U
Cymene	µg/kg	20 U	20 U	20 U	20 U	20 U
iso-Propylbenzene	µg/kg	80 U	80 U	80 U	80 U	80 U
n-Butylbenzene	µg/kg	20 U	20 U	20 U	20 U	20 U
sec-Butylbenzene	µg/kg	20 U	20 U	20 U	20 U	20 U
Styrene	µg/kg	20 U	20 U	20 U	20 U	20 U
tert-Butylbenzene	µg/kg	20 U	20 U	20 U	20 U	20 U
Semivolatile Organic Compounds						
Naphthalene	µg/kg	30 U	30 U	30 U	30 U	30 U
Hexachlorobutadiene	µg/kg	100 U	100 U	100 U	100 U	100 U
Conventionals						
Total Organic Carbon	%			0.333		0.148

	Event	Fox-Ave Additional Geoprobes Investigation (June 2009)				
	Location	GP-80	GP-80	GP-80	GP-80	GP-80A
	SampleID	**GP-80 5.0-6.0**	**GP-80 12.0-13.0**	**GP-80 19.0-20.0**	**GP-80 32.0-33.0**	**GP-80A 41.0-41.5**
	Depth (bgs)	5 - 6 ft	12 - 13 ft	19 - 20 ft	32 - 33 ft	41 - 41.5 ft
	Sample Date	06/18/2009	06/18/2009	06/18/2009	06/18/2009	06/23/2009
Volatile Organic Compounds						
Tetrachloroethene	µg/kg	40	350	20 U	20 U	20 U
Trichloroethene	µg/kg	20 J	30 U	30 U	30 U	30 U
cis-1,2-Dichloroethene	µg/kg	20 U	20 U	20 U	20 U	4400
trans-1,2-Dichloroethene	µg/kg	20 U	20 U	20 U	20 U	20 U
1,1-Dichloroethene	µg/kg	50 U	50 U	50 U	50 U	50 U
Vinyl chloride	µg/kg	2 U	2 U	2 U	2 U	510
1,1,1,2-Tetrachloroethane	µg/kg	30 U	30 U	30 U	30 U	30 U
1,1,1-Trichloroethane	µg/kg	20 U	20 U	20 U	20 U	20 U
1,1,2,2-Tetrachloroethane	µg/kg	20 U	20 U	20 U	20 U	20 U
1,1,2-Trichloroethane	µg/kg	30 U	30 U	30 U	30 U	30 U
1,1-Dichloroethane	µg/kg	20 U	20 U	20 U	20 U	20 U
Chloroethane	µg/kg	60 U	60 U	60 U	60 U	60 U
Dichloromethane	µg/kg	20 U	20 U	20 U	20 U	20 U
1,1-Dichloropropene	µg/kg	20 U	20 U	20 U	20 U	20 U
1,2,3-Trichlorobenzene	µg/kg	1000 U	1000 U	1000 U	1000 U	1000 U
1,2,3-Trichloropropane	µg/kg	20 U	20 U	20 U	20 U	20 U
1,2,4-Trichlorobenzene	µg/kg	50 U	50 U	50 U	50 U	50 U
1,2-Dibromo-3-chloropropane	µg/kg	30 U	30 U	30 U	30 U	30 U
1,2-Dibromoethane	µg/kg	5 U	5 U	5 U	5 U	5 U
1,2-Dichlorobenzene	µg/kg	20 U	20 U	20 U	20 U	20 U
1,2-Dichloroethane	µg/kg	30 U	30 U	30 U	30 U	30 U
1,2-Dichloropropane	µg/kg	20 U	20 U	20 U	20 U	20 U
1,3-Dichlorobenzene	µg/kg	20 U	20 U	20 U	20 U	20 U
1,3-Dichloropropane	µg/kg	50 U	50 U	50 U	50 U	50 U
1,4-Dichlorobenzene	µg/kg	20 U	20 U	240	20 U	20 U
2,2-Dichloropropane	µg/kg	50 U	50 U	50 U	50 U	50 U
2-Chlorotoluene	µg/kg	20 U	20 U	20 U	20 U	20 U
4-Chlorotoluene	µg/kg	20 U	20 U	20 U	20 U	20 U
Bromobenzene	µg/kg	30 U	30 U	30 U	30 U	30 U
Bromodichloromethane	µg/kg	20 U	20 U	20 U	20 U	20 U
Bromoform	µg/kg	20 U	20 U	20 U	20 U	20 U
Bromomethane	µg/kg	90 U	90 U	90 U	90 U	90 U
Carbon tetrachloride	µg/kg	20 U	20 U	20 U	20 U	20 U
Chlorobenzene	µg/kg	20 U	20 U	120	20 U	20 U
Chloroform	µg/kg	20 U	20 U	20 U	20 U	20 U
Chloromethane	µg/kg	60 U	60 U	60 U	60 U	60 U
cis-1,3-Dichloropropene	µg/kg	20 U	20 U	20 U	20 U	20 U
Dibromochloromethane	µg/kg	30 U	30 U	30 U	30 U	30 U
Dibromomethane	µg/kg	40 U	40 U	40 U	40 U	40 U
Dichlorodifluoromethane	µg/kg	60 U	60 U	60 U	60 U	60 U
trans-1,3-Dichloropropene	µg/kg	30 U	30 U	30 U	30 U	30 U
Trichlorofluoromethane	µg/kg	50 U	50 U	50 U	50 U	50 U
BTEX						
Benzene	µg/kg	20 U	20 U	20 U	20 U	20 U
Toluene	µg/kg	20 U	20 U	20 U	20 U	20 U
Ethylbenzene	µg/kg	30 U	30 U	30 U	30 U	50
Xylene (total)	µg/kg	30 U	30 U	30 U	30 U	30 U
Alkylated Benzenes						

	Event	Fox-Ave Additional Geoprobes Investigation (June 2009)				
	Location	GP-80	GP-80	GP-80	GP-80	GP-80A
	SampleID	**GP-80 5.0-6.0**	**GP-80 12.0-13.0**	**GP-80 19.0-20.0**	**GP-80 32.0-33.0**	**GP-80A 41.0-41.5**
	Depth (bgs)	5 - 6 ft	12 - 13 ft	19 - 20 ft	32 - 33 ft	41 - 41.5 ft
	Sample Date	06/18/2009	06/18/2009	06/18/2009	06/18/2009	06/23/2009
Alkylated Benzenes						
1,3,5-Trimethylbenzene	µg/kg	20 U	20 U	20 U	20 U	20 U
n-Propylbenzene	µg/kg	20 U	20 U	20 U	20 U	20 U
1,2,4-Trimethylbenzene	µg/kg	20 U	20 U	20 U	20 U	20 U
Cymene	µg/kg	20 U	20 U	20 U	20 U	20 U
iso-Propylbenzene	µg/kg	80 U	80 U	80 U	80 U	80 U
n-Butylbenzene	µg/kg	20 U	20 U	20 U	20 U	20 U
sec-Butylbenzene	µg/kg	20 U	20 U	20 U	20 U	20 U
Styrene	µg/kg	20 U	20 U	20 U	20 U	20 U
tert-Butylbenzene	µg/kg	20 U	20 U	20 U	20 U	20 U
Semivolatile Organic Compounds						
Naphthalene	µg/kg	30 U	30 U	30 U	30 U	30 U
Hexachlorobutadiene	µg/kg	100 U	100 U	100 U	100 U	100 U

	Event	Fox-Ave Additional Geoprobes Investigation (June 2009)				
	Location	GP-80A	GP-80A	GP-80A	GP-81	GP-81
	SampleID	**GP-80A 45.5-46.0**	**GP-80A 52.0-52.5**	**GP-80A 57.0-57.5**	**GP-81 6.0-6.4**	**GP-81 9.0-9.5**
	Depth (bgs)	45.5 - 46 ft	52 - 52.5 ft	57 - 57.5 ft	6 - 6.4 ft	9 - 9.5 ft
	Sample Date	06/23/2009	06/23/2009	06/23/2009	06/17/2009	06/17/2009
Volatile Organic Compounds						
Tetrachloroethene	µg/kg	20 U	20 U	20 U	20 U	20 U
Trichloroethene	µg/kg	30	30	30 U	30 U	30 U
cis-1,2-Dichloroethene	µg/kg	3800	20 U	20 U	20 U	20 U
trans-1,2-Dichloroethene	µg/kg	20 U	20 U	20 U	20 U	20 U
1,1-Dichloroethene	µg/kg	50 U	50 U	50 U	50 U	50 U
Vinyl chloride	µg/kg	50	2 U	10	2 U	2 U
1,1,1,2-Tetrachloroethane	µg/kg	30 U	30 U	30 U	30 U	30 U
1,1,1-Trichloroethane	µg/kg	20 U	20 U	20 U	20 U	20 U
1,1,2,2-Tetrachloroethane	µg/kg	20 U	20 U	20 U	20 U	20 U
1,1,2-Trichloroethane	µg/kg	30 U	30 U	30 U	30 U	30 U
1,1-Dichloroethane	µg/kg	20 U	20 U	20 U	20 U	20 U
Chloroethane	µg/kg	60 U	60 U	60 U	60 U	60 U
Dichloromethane	µg/kg	20 U	20 U	20 U	20 U	20 U
1,1-Dichloropropene	µg/kg	20 U	20 U	20 U	20 U	20 U
1,2,3-Trichlorobenzene	µg/kg	1000 U	1000 U	1000 U	1000 U	1000 U
1,2,3-Trichloropropane	µg/kg	20 U	20 U	20 U	20 U	20 U
1,2,4-Trichlorobenzene	µg/kg	50 U	50 U	50 U	50 U	50 U
1,2-Dibromo-3-chloropropane	µg/kg	30 U	30 U	30 U	30 U	30 U
1,2-Dibromoethane	µg/kg	5 U	5 U	5 U	5 U	5 U
1,2-Dichlorobenzene	µg/kg	20 U	20 U	20 U	20 U	20 U
1,2-Dichloroethane	µg/kg	30 U	30 U	30 U	30 U	30 U
1,2-Dichloropropane	µg/kg	20 U	20 U	20 U	20 U	20 U
1,3-Dichlorobenzene	µg/kg	20 U	20 U	20 U	20 U	20 U
1,3-Dichloropropane	µg/kg	50 U	50 U	50 U	50 U	50 U
1,4-Dichlorobenzene	µg/kg	20 U	20 U	20 U	20 U	20 U
2,2-Dichloropropane	µg/kg	50 U	50 U	50 U	50 U	50 U
2-Chlorotoluene	µg/kg	20 U	20 U	20 U	20 U	20 U
4-Chlorotoluene	µg/kg	20 U	20 U	20 U	20 U	20 U
Bromobenzene	µg/kg	30 U	30 U	30 U	30 U	30 U
Bromodichloromethane	µg/kg	20 U	20 U	20 U	20 U	20 U
Bromoform	µg/kg	20 U	20 U	20 U	20 U	20 U
Bromomethane	µg/kg	90 U	90 U	90 U	90 U	90 U
Carbon tetrachloride	µg/kg	20 U	20 U	20 U	20 U	20 U
Chlorobenzene	µg/kg	20 U	60	20 U	20 U	20 U
Chloroform	µg/kg	20 U	20 U	20 U	20 U	20 U
Chloromethane	µg/kg	60 U	60 U	60 U	60 U	60 U
cis-1,3-Dichloropropene	µg/kg	20 U	20 U	20 U	20 U	20 U
Dibromochloromethane	µg/kg	30 U	30 U	30 U	30 U	30 U
Dibromomethane	µg/kg	40 U	40 U	40 U	40 U	40 U
Dichlorodifluoromethane	µg/kg	60 U	60 U	60 U	60 U	60 U
trans-1,3-Dichloropropene	µg/kg	30 U	30 U	30 U	30 U	30 U
Trichlorofluoromethane	µg/kg	50 U	50 U	50 U	50 U	50 U
BTEX						
Benzene	µg/kg	20 U	20 U	20 U	20 U	20 U
Toluene	µg/kg	20 U	20 U	20 U	20 U	20 U
Ethylbenzene	µg/kg	90	530	30 U	30 U	30 U
Xylene (total)	µg/kg	30 U	30 U	30 U	30 U	30 U
Alkylated Benzenes						

	Event	Fox-Ave Additional Geoprobes Investigation (June 2009)				
	Location	GP-80A	GP-80A	GP-80A	GP-81	GP-81
	SampleID	**GP-80A 45.5-46.0**	**GP-80A 52.0-52.5**	**GP-80A 57.0-57.5**	**GP-81 6.0-6.4**	**GP-81 9.0-9.5**
	Depth (bgs)	45.5 - 46 ft	52 - 52.5 ft	57 - 57.5 ft	6 - 6.4 ft	9 - 9.5 ft
	Sample Date	06/23/2009	06/23/2009	06/23/2009	06/17/2009	06/17/2009
Alkylated Benzenes						
1,3,5-Trimethylbenzene	µg/kg	20 U	20 U	20 U	20 U	20 U
n-Propylbenzene	µg/kg	20	160	30	20 U	20 U
1,2,4-Trimethylbenzene	µg/kg	30	20 U	20 U	20 U	20 U
Cymene	µg/kg	20 U	20 U	20 U	20 U	20 U
iso-Propylbenzene	µg/kg	80 U	70	80 U	80 U	80 U
n-Butylbenzene	µg/kg	20 U	20 U	20 U	20 U	20 U
sec-Butylbenzene	µg/kg	20 U	20 U	20 U	20 U	20 U
Styrene	µg/kg	20 U	20 U	20 U	20 U	20 U
tert-Butylbenzene	µg/kg	20 U	20 U	20 U	20 U	20 U
Semivolatile Organic Compounds						
Naphthalene	µg/kg	30 U	30	30 U	30 U	30 U
Hexachlorobutadiene	µg/kg	100 U	100 U	100 U	100 U	100 U

	Event	Fox-Ave Additional Geoprobes Investigation (June 2009)				
	Location	GP-81	GP-81	GP-81	GP-81	GP-82
	SampleID	**GP-81 52.0-53.0**	**GP-81 52.0-53.0 DUP**	**GP-81 57.0-57.5**	**GP-81 61.0-61.5**	**GP-82 6.5-7.0**
	Depth (bgs)	52 - 53 ft	52 - 53 ft	57 - 57.5 ft	61 - 61.5 ft	6.5 - 7 ft
	Sample Date	06/17/2009	06/17/2009	06/17/2009	06/17/2009	06/18/2009
Volatile Organic Compounds						
Tetrachloroethene	µg/kg	271	621	20 U	358	130
Trichloroethene	µg/kg	11837	11211.5	6194.5	5994	30
cis-1,2-Dichloroethene	µg/kg	20	30.5	20 U	22	20 U
trans-1,2-Dichloroethene	µg/kg	20 U	20 U	20 U	20 U	20 U
1,1-Dichloroethene	µg/kg	50 U	50 U	50 U	50 U	50 U
Vinyl chloride	µg/kg	2 U	2 U	2 U	2 U	2 U
1,1,1,2-Tetrachloroethane	µg/kg	30 U	30 U	30 U	30 U	30 U
1,1,1-Trichloroethane	µg/kg	20 U	20 U	20 U	20 U	20 U
1,1,2,2-Tetrachloroethane	µg/kg	20 U	20 U	20 U	20 U	20 U
1,1,2-Trichloroethane	µg/kg	30 U	30 U	30 U	30 U	30 U
1,1-Dichloroethane	µg/kg	20 U	20 U	20 U	20 U	20 U
Chloroethane	µg/kg	60 U	60 U	60 U	60 U	60 U
Dichloromethane	µg/kg	20 U	20 U	20 U	20 U	20 U
1,1-Dichloropropene	µg/kg	20 U	20 U	20 U	20 U	20 U
1,2,3-Trichlorobenzene	µg/kg	1000 U	1000 U	1000 U	1000 U	1000 U
1,2,3-Trichloropropane	µg/kg	20 U	20 U	20 U	20 U	20 U
1,2,4-Trichlorobenzene	µg/kg	50 U	50 U	50 U	50 U	50 U
1,2-Dibromo-3-chloropropane	µg/kg	30 U	30 U	30 U	30 U	30 U
1,2-Dibromoethane	µg/kg	5 U	5 U	5 U	5 U	5 U
1,2-Dichlorobenzene	µg/kg	20 U	20 U	20 U	20 U	20 U
1,2-Dichloroethane	µg/kg	30 U	30 U	30 U	30 U	30 U
1,2-Dichloropropane	µg/kg	20 U	20 U	20 U	20 U	20 U
1,3-Dichlorobenzene	µg/kg	20 U	20 U	20 U	20 U	20 U
1,3-Dichloropropane	µg/kg	50 U	50 U	50 U	50 U	50 U
1,4-Dichlorobenzene	µg/kg	20 U	20 U	20 U	20 U	20 U
2,2-Dichloropropane	µg/kg	50 U	50 U	50 U	50 U	50 U
2-Chlorotoluene	µg/kg	20 U	20 U	20 U	20 U	20 U
4-Chlorotoluene	µg/kg	20 U	20 U	20 U	20 U	20 U
Bromobenzene	µg/kg	30 U	30 U	30 U	30 U	30 U
Bromodichloromethane	µg/kg	20 U	20 U	20 U	20 U	20 U
Bromoform	µg/kg	20 U	20 U	20 U	20 U	20 U
Bromomethane	µg/kg	90 U	90 U	90 U	90 U	90 U
Carbon tetrachloride	µg/kg	20 U	20 U	20 U	20 U	20 U
Chlorobenzene	µg/kg	20 U	20 U	20 U	20 U	20 U
Chloroform	µg/kg	20 U	20 U	20 U	20 U	20 U
Chloromethane	µg/kg	60 U	60 U	60 U	60 U	60 U
cis-1,3-Dichloropropene	µg/kg	20 U	20 U	20 U	20 U	20 U
Dibromochloromethane	µg/kg	30 U	30 U	30 U	30 U	30 U
Dibromomethane	µg/kg	40 U	40 U	40 U	40 U	40 U
Dichlorodifluoromethane	µg/kg	60 U	60 U	60 U	60 U	60 U
trans-1,3-Dichloropropene	µg/kg	30 U	30 U	30 U	30 U	30 U
Trichlorofluoromethane	µg/kg	50 U	50 U	50 U	50 U	50 U
BTEX						
Benzene	µg/kg	20 U	20 U	20 U	20 U	20 U
Toluene	µg/kg	20 U	20 U	20 U	20 U	20 U
Ethylbenzene	µg/kg	30 U	30 U	30 U	30 U	30 U
Xylene (total)	µg/kg	30 U	30 U	30 U	30 U	30 U

	Event	Fox-Ave Additional Geoprobes Investigation (June 2009)				
	Location	GP-81	GP-81	GP-81	GP-81	GP-82
	SampleID	**GP-81 52.0-53.0**	**GP-81 52.0-53.0 DUP**	**GP-81 57.0-57.5**	**GP-81 61.0-61.5**	**GP-82 6.5-7.0**
	Depth (bgs)	52 - 53 ft	52 - 53 ft	57 - 57.5 ft	61 - 61.5 ft	6.5 - 7 ft
	Sample Date	06/17/2009	06/17/2009	06/17/2009	06/17/2009	06/18/2009
Alkylated Benzenes						
1,3,5-Trimethylbenzene	µg/kg	514	1300	20 U	20 U	20 U
n-Propylbenzene	µg/kg	209.5	470	20 U	20 U	20 U
1,2,4-Trimethylbenzene	µg/kg	50	160	20 U	20 U	20 U
Cymene	µg/kg	140.5	420	20 U	20 U	20 U
iso-Propylbenzene	µg/kg	62 J	138.5	80 U	80 U	80 U
n-Butylbenzene	µg/kg	20 U	20 U	20 U	20 U	20 U
sec-Butylbenzene	µg/kg	110	330	20 U	20 U	20 U
Styrene	µg/kg	20 U	20 U	20 U	20 U	20 U
tert-Butylbenzene	µg/kg	20 U	20 U	20 U	20 U	20 U
Semivolatile Organic Compounds						
Naphthalene	µg/kg	32	100	30 U	30 U	30 U
Hexachlorobutadiene	µg/kg	100 U	100 U	100 U	100 U	100 U

	Event	Fox-Ave Additional Geoprobes Investigation (June 2009)				
	Location	GP-82	GP-82	GP-82	GP-82	GP-82
	SampleID	**GP-82 10.3-11.0**	**GP-82 36.0-36.5**	**GP-82 48.0-48.5**	**GP-82 55.5-56.0**	**GP-82 66.0-66.5**
	Depth (bgs)	10.3 - 11 ft	36 - 36.5 ft	48 - 48.5 ft	55.5 - 56 ft	66 - 66.5 ft
	Sample Date	06/18/2009	06/18/2009	06/18/2009	06/18/2009	06/18/2009
Volatile Organic Compounds						
Tetrachloroethene	µg/kg	80	20 U	20 U	15000	20 U
Trichloroethene	µg/kg	20 J	30 U	650	1900	30 U
cis-1,2-Dichloroethene	µg/kg	20 U	20 U	630	30	20 U
trans-1,2-Dichloroethene	µg/kg	20 U	20 U	20 U	20 U	20 U
1,1-Dichloroethene	µg/kg	50 U	50 U	50 U	50 U	50 U
Vinyl chloride	µg/kg	2 U	2 U	2 U	2 U	2 U
1,1,1,2-Tetrachloroethane	µg/kg	30 U	30 U	30 U	30 U	30 U
1,1,1-Trichloroethane	µg/kg	20 U	20 U	20 U	20 U	20 U
1,1,2,2-Tetrachloroethane	µg/kg	20 U	20 U	20 U	20 U	20 U
1,1,2-Trichloroethane	µg/kg	30 U	30 U	30 U	30 U	30 U
1,1-Dichloroethane	µg/kg	20 U	20 U	20 U	20 U	20 U
Chloroethane	µg/kg	60 U	60 U	60 U	60 U	60 U
Dichloromethane	µg/kg	20 U	20 U	20 U	20 U	20 U
1,1-Dichloropropene	µg/kg	20 U	20 U	20 U	20 U	20 U
1,2,3-Trichlorobenzene	µg/kg	1000 U	1000 U	1000 U	1000 U	1000 U
1,2,3-Trichloropropane	µg/kg	20 U	20 U	20 U	20 U	20 U
1,2,4-Trichlorobenzene	µg/kg	50 U	50 U	50 U	50 U	50 U
1,2-Dibromo-3-chloropropane	µg/kg	30 U	30 U	30 U	30 U	30 U
1,2-Dibromoethane	µg/kg	5 U	5 U	5 U	5 U	5 U
1,2-Dichlorobenzene	µg/kg	20 U	20 U	20 U	20 U	20 U
1,2-Dichloroethane	µg/kg	30 U	30 U	30 U	30 U	30 U
1,2-Dichloropropane	µg/kg	20 U	20 U	20 U	20 U	20 U
1,3-Dichlorobenzene	µg/kg	20 U	20 U	20 U	20 U	20 U
1,3-Dichloropropane	µg/kg	50 U	50 U	50 U	50 U	50 U
1,4-Dichlorobenzene	µg/kg	20 U	20 U	20 U	20 U	20 U
2,2-Dichloropropane	µg/kg	50 U	50 U	50 U	50 U	50 U
2-Chlorotoluene	µg/kg	20 U	20 U	20 U	20 U	20 U
4-Chlorotoluene	µg/kg	20 U	20 U	20 U	20 U	20 U
Bromobenzene	µg/kg	30 U	30 U	30 U	30 U	30 U
Bromodichloromethane	µg/kg	20 U	20 U	20 U	20 U	20 U
Bromoform	µg/kg	20 U	20 U	20 U	20 U	20 U
Bromomethane	µg/kg	90 U	90 U	90 U	90 U	90 U
Carbon tetrachloride	µg/kg	20 U	20 U	20 U	20 U	20 U
Chlorobenzene	µg/kg	20 U	20 U	20 U	20 U	20 U
Chloroform	µg/kg	20 U	20 U	20 U	20 U	20 U
Chloromethane	µg/kg	60 U	60 U	60 U	60 U	60 U
cis-1,3-Dichloropropene	µg/kg	20 U	20 U	20 U	20 U	20 U
Dibromochloromethane	µg/kg	30 U	30 U	30 U	30 U	30 U
Dibromomethane	µg/kg	40 U	40 U	40 U	40 U	40 U
Dichlorodifluoromethane	µg/kg	60 U	60 U	60 U	60 U	60 U
trans-1,3-Dichloropropene	µg/kg	30 U	30 U	30 U	30 U	30 U
Trichlorofluoromethane	µg/kg	50 U	50 U	50 U	50 U	50 U
BTEX						
Benzene	µg/kg	20 U	20 U	20 U	20 U	20 U
Toluene	µg/kg	20 U	20 U	20 U	20 U	20 U
Ethylbenzene	µg/kg	30 U	30 U	30 U	30 U	30 U
Xylene (total)	µg/kg	30 U	30 U	30 U	30 U	30 U
Alkylated Benzenes						

	Event	**Fox-Ave Additional Geoprobes Investigation (June 2009)**				
	Location	GP-82	GP-82	GP-82	GP-82	GP-82
	SampleID	**GP-82 10.3-11.0**	**GP-82 36.0-36.5**	**GP-82 48.0-48.5**	**GP-82 55.5-56.0**	**GP-82 66.0-66.5**
	Depth (bgs)	10.3 - 11 ft	36 - 36.5 ft	48 - 48.5 ft	55.5 - 56 ft	66 - 66.5 ft
	Sample Date	06/18/2009	06/18/2009	06/18/2009	06/18/2009	06/18/2009
Alkylated Benzenes						
1,3,5-Trimethylbenzene	µg/kg	20 U	20 U	20 U	20 U	20 U
n-Propylbenzene	µg/kg	20 U	20 U	20 U	20 U	20 U
1,2,4-Trimethylbenzene	µg/kg	20 U	20 U	20 U	20 U	20 U
Cymene	µg/kg	20 U	20 U	20 U	20 U	20 U
iso-Propylbenzene	µg/kg	80 U	80 U	80 U	80 U	80 U
n-Butylbenzene	µg/kg	20 U	20 U	20 U	20 U	20 U
sec-Butylbenzene	µg/kg	20 U	20 U	20 U	20 U	20 U
Styrene	µg/kg	20 U	20 U	20 U	20 U	20 U
tert-Butylbenzene	µg/kg	20 U	20 U	20 U	20 U	20 U
Semivolatile Organic Compounds						
Naphthalene	µg/kg	30 U	30 U	30 U	30 U	30 U
Hexachlorobutadiene	µg/kg	100 U	100 U	100 U	100 U	100 U

	Event	Fox-Ave Additional Geoprobes Investigation (June 2009)				
	Location	GP-83	GP-83	GP-83	GP-83	GP-83
	SampleID	**GP-83 5.0-5.5**	**GP-83 10.0-10.5**	**GP-83 15.5-16.0**	**GP-83 26.0-26.5**	**GP-83 42.0-42.5**
	Depth (bgs)	5 - 5.5 ft	10 - 10.5 ft	15.5 - 16 ft	26 - 26.5 ft	42 - 42.5 ft
	Sample Date	06/24/2009	06/24/2009	06/24/2009	06/24/2009	06/24/2009
Volatile Organic Compounds						
Tetrachloroethene	µg/kg	354	460	110	20 U	20 U
Trichloroethene	µg/kg	37.5	60	20 J	30 U	30 U
cis-1,2-Dichloroethene	µg/kg	211	20 U	20 U	20 U	20 U
trans-1,2-Dichloroethene	µg/kg	20 U	20 U	20 U	20 U	20 U
1,1-Dichloroethene	µg/kg	50 U	50 U	50 U	50 U	50 U
Vinyl chloride	µg/kg	2 U	2 U	2 U	2 U	2 U
1,1,1,2-Tetrachloroethane	µg/kg	30 U	30 U	30 U	30 U	30 U
1,1,1-Trichloroethane	µg/kg	20 U	20 U	20 U	20 U	20 U
1,1,2,2-Tetrachloroethane	µg/kg	20 U	20 U	20 U	20 U	20 U
1,1,2-Trichloroethane	µg/kg	30 U	30 U	30 U	30 U	30 U
1,1-Dichloroethane	µg/kg	20 U	20 U	20 U	20 U	20 U
Chloroethane	µg/kg	60 U	60 U	60 U	60 U	60 U
Dichloromethane	µg/kg	20 U	20 U	20 U	20 U	20 U
1,1-Dichloropropene	µg/kg	20 U	20 U	20 U	20 U	20 U
1,2,3-Trichlorobenzene	µg/kg	1000 U	1000 U	1000 U	1000 U	1000 U
1,2,3-Trichloropropane	µg/kg	20 U	20 U	20 U	20 U	20 U
1,2,4-Trichlorobenzene	µg/kg	50 U	50 U	50 U	50 U	50 U
1,2-Dibromo-3-chloropropane	µg/kg	30 U	30 U	30 U	30 U	30 U
1,2-Dibromoethane	µg/kg	5 U	5 U	5 U	5 U	5 U
1,2-Dichlorobenzene	µg/kg	20 U	20 U	20 U	20 U	20 U
1,2-Dichloroethane	µg/kg	30 U	30 U	30 U	30 U	30 U
1,2-Dichloropropane	µg/kg	20 U	20 U	20 U	20 U	20 U
1,3-Dichlorobenzene	µg/kg	20 U	20 U	20 U	20 U	20 U
1,3-Dichloropropane	µg/kg	50 U	50 U	50 U	50 U	50 U
1,4-Dichlorobenzene	µg/kg	20 U	20 U	20 U	20 U	20 U
2,2-Dichloropropane	µg/kg	50 U	50 U	50 U	50 U	50 U
2-Chlorotoluene	µg/kg	20 U	20 U	20 U	20 U	20 U
4-Chlorotoluene	µg/kg	20 U	20 U	20 U	20 U	20 U
Bromobenzene	µg/kg	30 U	30 U	30 U	30 U	30 U
Bromodichloromethane	µg/kg	20 U	20 U	20 U	20 U	20 U
Bromoform	µg/kg	20 U	20 U	20 U	20 U	20 U
Bromomethane	µg/kg	90 U	90 U	90 U	90 U	90 U
Carbon tetrachloride	µg/kg	20 U	20 U	20 U	20 U	20 U
Chlorobenzene	µg/kg	20 U	20 U	20 U	20 U	20 U
Chloroform	µg/kg	20 U	20 U	20 U	20 U	20 U
Chloromethane	µg/kg	60 U	60 U	60 U	60 U	60 U
cis-1,3-Dichloropropene	µg/kg	20 U	20 U	20 U	20 U	20 U
Dibromochloromethane	µg/kg	30 U	30 U	30 U	30 U	30 U
Dibromomethane	µg/kg	40 U	40 U	40 U	40 U	40 U
Dichlorodifluoromethane	µg/kg	60 U	60 U	60 U	60 U	60 U
trans-1,3-Dichloropropene	µg/kg	30 U	30 U	30 U	30 U	30 U
Trichlorofluoromethane	µg/kg	50 U	50 U	50 U	50 U	50 U
BTEX						
Benzene	µg/kg	20 U	20 U	20 U	20 U	20 U
Toluene	µg/kg	20 U	20 U	20 U	20 U	20 U
Ethylbenzene	µg/kg	30 U	30 U	30 U	30 U	30 U
Xylene (total)	µg/kg	30 U	30 U	30 U	30 U	30 U
Alkylated Benzenes						

	Event	Fox-Ave Additional Geoprobes Investigation (June 2009)				
	Location	GP-83	GP-83	GP-83	GP-83	GP-83
	SampleID	**GP-83 5.0-5.5**	**GP-83 10.0-10.5**	**GP-83 15.5-16.0**	**GP-83 26.0-26.5**	**GP-83 42.0-42.5**
	Depth (bgs)	5 - 5.5 ft	10 - 10.5 ft	15.5 - 16 ft	26 - 26.5 ft	42 - 42.5 ft
	Sample Date	06/24/2009	06/24/2009	06/24/2009	06/24/2009	06/24/2009
Alkylated Benzenes						
1,3,5-Trimethylbenzene	µg/kg	20 U	20 U	20 U	20 U	20 U
n-Propylbenzene	µg/kg	20 U	20 U	20 U	20 U	20 U
1,2,4-Trimethylbenzene	µg/kg	20 U	20 U	20 U	20 U	20 U
Cymene	µg/kg	20 U	20 U	20 U	20 U	20 U
iso-Propylbenzene	µg/kg	80 U	80 U	80 U	80 U	80 U
n-Butylbenzene	µg/kg	20 U	20 U	20 U	20 U	20 U
sec-Butylbenzene	µg/kg	20 U	20 U	20 U	20 U	20 U
Styrene	µg/kg	20 U	20 U	20 U	20 U	20 U
tert-Butylbenzene	µg/kg	20 U	20 U	20 U	20 U	20 U
Semivolatile Organic Compounds						
Naphthalene	µg/kg	30 U	30 U	30 U	30 U	30 U
Hexachlorobutadiene	µg/kg	100 U	100 U	100 U	100 U	100 U

	Event	Fox-Ave Additional Geoprobes Investigation (June 2009)				
	Location	GP-83	GP-83	GP-84	GP-84	GP-84
	SampleID	**GP-83 51.5-52.0**	**GP-83 62.0-62.5**	**GP-84 6.0-6.5**	**GP-84 12.5-13.0**	**GP-84 15.5-16.0**
	Depth (bgs)	51.5 - 52 ft	62 - 62.5 ft	6 - 6.5 ft	12.5 - 13 ft	15.5 - 16 ft
	Sample Date	06/24/2009	06/24/2009	06/17/2009	06/17/2009	06/17/2009
Volatile Organic Compounds						
Tetrachloroethene	µg/kg	20 U	20 U	6670.5	520	1700000 J
Trichloroethene	µg/kg	30 U	30 U	125	30 U	72060
cis-1,2-Dichloroethene	µg/kg	20 U	20 U	20 U	20 U	2355
trans-1,2-Dichloroethene	µg/kg	20 U	20 U	20 U	20 U	200 U
1,1-Dichloroethene	µg/kg	50 U	50 U	50 U	50 U	500 U
Vinyl chloride	µg/kg	2 U	2 U	2 U	2 U	20 U
1,1,1,2-Tetrachloroethane	µg/kg	30 U	30 U	30 U	30 U	300 U
1,1,1-Trichloroethane	µg/kg	20 U	20 U	20 U	20 U	1685
1,1,2,2-Tetrachloroethane	µg/kg	20 U	20 U	20 U	20 U	200 U
1,1,2-Trichloroethane	µg/kg	30 U	30 U	30 U	30 U	300 U
1,1-Dichloroethane	µg/kg	20 U	20 U	20 U	20 U	200 U
Chloroethane	µg/kg	60 U	60 U	60 U	60 U	600 U
Dichloromethane	µg/kg	20 U	20 U	20 U	20 U	200 U
1,1-Dichloropropene	µg/kg	20 U	20 U	20 U	20 U	200 U
1,2,3-Trichlorobenzene	µg/kg	1000 U	1000 U	1000 U	1000 U	10000 U
1,2,3-Trichloropropane	µg/kg	20 U	20 U	20 U	20 U	200 U
1,2,4-Trichlorobenzene	µg/kg	50 U	50 U	50 U	50 U	500 U
1,2-Dibromo-3-chloropropane	µg/kg	30 U	30 U	30 U	30 U	300 U
1,2-Dibromoethane	µg/kg	5 U	5 U	5 U	5 U	50 U
1,2-Dichlorobenzene	µg/kg	20 U	20 U	20 U	20 U	200 U
1,2-Dichloroethane	µg/kg	30 U	30 U	30 U	30 U	300 U
1,2-Dichloropropane	µg/kg	20 U	20 U	20 U	20 U	200 U
1,3-Dichlorobenzene	µg/kg	20 U	20 U	20 U	20 U	200 U
1,3-Dichloropropane	µg/kg	50 U	50 U	50 U	50 U	500 U
1,4-Dichlorobenzene	µg/kg	20 U	20 U	20 U	20 U	200 U
2,2-Dichloropropane	µg/kg	50 U	50 U	50 U	50 U	500 U
2-Chlorotoluene	µg/kg	20 U	20 U	20 U	20 U	200 U
4-Chlorotoluene	µg/kg	20 U	20 U	20 U	20 U	200 U
Bromobenzene	µg/kg	30 U	30 U	30 U	30 U	300 U
Bromodichloromethane	µg/kg	20 U	20 U	20 U	20 U	200 U
Bromoform	µg/kg	20 U	20 U	20 U	20 U	200 U
Bromomethane	µg/kg	90 U	90 U	90 U	90 U	900 U
Carbon tetrachloride	µg/kg	20 U	20 U	20 U	20 U	200 U
Chlorobenzene	µg/kg	20 U	20 U	20 U	20 U	200 U
Chloroform	µg/kg	20 U	20 U	20 U	20 U	200 U
Chloromethane	µg/kg	60 U	60 U	60 U	60 U	600 U
cis-1,3-Dichloropropene	µg/kg	20 U	20 U	20 U	20 U	200 U
Dibromochloromethane	µg/kg	30 U	30 U	30 U	30 U	300 U
Dibromomethane	µg/kg	40 U	40 U	40 U	40 U	400 U
Dichlorodifluoromethane	µg/kg	60 U	60 U	60 U	60 U	600 U
trans-1,3-Dichloropropene	µg/kg	30 U	30 U	30 U	30 U	300 U
Trichlorofluoromethane	µg/kg	50 U	50 U	50 U	50 U	500 U
BTEX						
Benzene	µg/kg	20 U	20	20 U	20 U	200 U
Toluene	µg/kg	20 U	20 U	20 U	20 U	41135
Ethylbenzene	µg/kg	30 U	30 U	30 U	30 U	8080
Xylene (total)	µg/kg	30 U	30 U	30 U	30 U	63265
Alkylated Benzenes						

	Event	Fox-Ave Additional Geoprobes Investigation (June 2009)				
	Location	GP-83	GP-83	GP-84	GP-84	GP-84
	SampleID	**GP-83 51.5-52.0**	**GP-83 62.0-62.5**	**GP-84 6.0-6.5**	**GP-84 12.5-13.0**	**GP-84 15.5-16.0**
	Depth (bgs)	51.5 - 52 ft	62 - 62.5 ft	6 - 6.5 ft	12.5 - 13 ft	15.5 - 16 ft
	Sample Date	06/24/2009	06/24/2009	06/17/2009	06/17/2009	06/17/2009
Alkylated Benzenes						
1,3,5-Trimethylbenzene	µg/kg	20 U	20 U	20 U	20 U	15920
n-Propylbenzene	µg/kg	20 U	20 U	20 U	20 U	5495
1,2,4-Trimethylbenzene	µg/kg	20 U	20 U	20 U	20 U	45315
Cymene	µg/kg	20 U	20 U	20 U	20 U	3550
iso-Propylbenzene	µg/kg	80 U	80 U	80 U	80 U	2475
n-Butylbenzene	µg/kg	20 U	20 U	20 U	20 U	200 U
sec-Butylbenzene	µg/kg	20 U	20 U	20 U	20 U	2995
Styrene	µg/kg	20 U	20 U	20 U	20 U	200 U
tert-Butylbenzene	µg/kg	20 U	20 U	20 U	20 U	200 U
Semivolatile Organic Compounds						
Naphthalene	µg/kg	30 U	30 U	30 U	30 U	300 U
Hexachlorobutadiene	µg/kg	100 U	100 U	100 U	100 U	1000 U

	Event	Fox-Ave Additional Geoprobes Investigation (June 2009)				
	Location	GP-84	GP-84	GP-84	GP-84	GP-85
	SampleID	**GP-84 30.5-31.0**	**GP-84 51.0-51.5**	**GP-84 57.0-57.5**	**GP-84 62.0-62.5**	**GP-85 0.6-1.0**
	Depth (bgs)	30.5 - 31 ft	51 - 51.5 ft	57 - 57.5 ft	62 - 62.5 ft	0.6 - 1 ft
	Sample Date	06/17/2009	06/17/2009	06/17/2009	06/17/2009	06/17/2009
Volatile Organic Compounds						
Tetrachloroethene	µg/kg	42	7765	31	20 U	230000
Trichloroethene	µg/kg	30 U	900	30 U	30 U	390
cis-1,2-Dichloroethene	µg/kg	20 U	200 U	20 U	20 U	200 U
trans-1,2-Dichloroethene	µg/kg	20 U	200 U	20 U	20 U	200 U
1,1-Dichloroethene	µg/kg	50 U	500 U	50 U	50 U	500 U
Vinyl chloride	µg/kg	2 U	20 U	2 U	2 U	20 U
1,1,1,2-Tetrachloroethane	µg/kg	30 U	300 U	30 U	30 U	300 U
1,1,1-Trichloroethane	µg/kg	20 U	200 U	20 U	20 U	200 U
1,1,2,2-Tetrachloroethane	µg/kg	20 U	200 U	20 U	20 U	200 U
1,1,2-Trichloroethane	µg/kg	30 U	300 U	30 U	30 U	300 U
1,1-Dichloroethane	µg/kg	20 U	200 U	20 U	20 U	200 U
Chloroethane	µg/kg	60 U	600 U	60 U	60 U	600 U
Dichloromethane	µg/kg	20 U	200 U	20 U	20 U	200 U
1,1-Dichloropropene	µg/kg	20 U	200 U	20 U	20 U	200 U
1,2,3-Trichlorobenzene	µg/kg	1000 U	10000 U	1000 U	1000 U	10000 U
1,2,3-Trichloropropane	µg/kg	20 U	200 U	20 U	20 U	200 U
1,2,4-Trichlorobenzene	µg/kg	50 U	500 U	50 U	50 U	500 U
1,2-Dibromo-3-chloropropane	µg/kg	30 U	300 U	30 U	30 U	300 U
1,2-Dibromoethane	µg/kg	5 U	50 U	5 U	5 U	50 U
1,2-Dichlorobenzene	µg/kg	20 U	200 U	20 U	20 U	200 U
1,2-Dichloroethane	µg/kg	30 U	300 U	30 U	30 U	300 U
1,2-Dichloropropane	µg/kg	20 U	200 U	20 U	20 U	200 U
1,3-Dichlorobenzene	µg/kg	20 U	200 U	20 U	20 U	200 U
1,3-Dichloropropane	µg/kg	50 U	500 U	50 U	50 U	500 U
1,4-Dichlorobenzene	µg/kg	20 U	200 U	20 U	20 U	200 U
2,2-Dichloropropane	µg/kg	50 U	500 U	50 U	50 U	500 U
2-Chlorotoluene	µg/kg	20 U	200 U	20 U	20 U	200 U
4-Chlorotoluene	µg/kg	20 U	200 U	20 U	20 U	200 U
Bromobenzene	µg/kg	30 U	300 U	30 U	30 U	300 U
Bromodichloromethane	µg/kg	20 U	200 U	20 U	20 U	200 U
Bromoform	µg/kg	20 U	200 U	20 U	20 U	200 U
Bromomethane	µg/kg	90 U	900 U	90 U	90 U	900 U
Carbon tetrachloride	µg/kg	20 U	200 U	20 U	20 U	200 U
Chlorobenzene	µg/kg	20 U	200 U	20 U	20 U	200 U
Chloroform	µg/kg	20 U	200 U	20 U	20 U	200 U
Chloromethane	µg/kg	60 U	600 U	60 U	60 U	600 U
cis-1,3-Dichloropropene	µg/kg	20 U	200 U	20 U	20 U	200 U
Dibromochloromethane	µg/kg	30 U	300 U	30 U	30 U	300 U
Dibromomethane	µg/kg	40 U	400 U	40 U	40 U	400 U
Dichlorodifluoromethane	µg/kg	60 U	600 U	60 U	60 U	600 U
trans-1,3-Dichloropropene	µg/kg	30 U	300 U	30 U	30 U	300 U
Trichlorofluoromethane	µg/kg	50 U	500 U	50 U	50 U	500 U
BTEX						
Benzene	µg/kg	20 U	200 U	20 U	20 U	200 U
Toluene	µg/kg	20 U	200 U	20 U	20 U	200 U
Ethylbenzene	µg/kg	30 U	300 U	30 U	30 U	2035
Xylene (total)	µg/kg	30 U	300 U	30 U	30 U	24840
Alkylated Benzenes						

	Event	Fox-Ave Additional Geoprobes Investigation (June 2009)				
	Location	GP-84	GP-84	GP-84	GP-84	GP-85
	SampleID	**GP-84 30.5-31.0**	**GP-84 51.0-51.5**	**GP-84 57.0-57.5**	**GP-84 62.0-62.5**	**GP-85 0.6-1.0**
	Depth (bgs)	30.5 - 31 ft	51 - 51.5 ft	57 - 57.5 ft	62 - 62.5 ft	0.6 - 1 ft
	Sample Date	06/17/2009	06/17/2009	06/17/2009	06/17/2009	06/17/2009
Alkylated Benzenes						
1,3,5-Trimethylbenzene	µg/kg	20 U	200 U	20 U	20 U	8025
n-Propylbenzene	µg/kg	20 U	200 U	20 U	20 U	990
1,2,4-Trimethylbenzene	µg/kg	20 U	200 U	20 U	20 U	7530
Cymene	µg/kg	20 U	200 U	20 U	20 U	755
iso-Propylbenzene	µg/kg	80 U	800 U	80 U	80 U	475 J
n-Butylbenzene	µg/kg	20 U	200 U	20 U	20 U	200 U
sec-Butylbenzene	µg/kg	20 U	200 U	20 U	20 U	940
Styrene	µg/kg	20 U	200 U	20 U	20 U	200 U
tert-Butylbenzene	µg/kg	20 U	200 U	20 U	20 U	200 U
Semivolatile Organic Compounds						
Naphthalene	µg/kg	2045	300 U	30 U	30 U	300 U
Hexachlorobutadiene	µg/kg	100 U	1000 U	100 U	100 U	1000 U

	Event	Fox-Ave Additional Geoprobes Investigation (June 2009)				
	Location	GP-85	GP-85	GP-85	GP-85	GP-85
	SampleID	**GP-85 7.5-8.0**	**GP-85 10.0-10.5**	**GP-85 17.0-17.5**	**GP-85 55.0-55.5**	**GP-85 62.0-62.5**
	Depth (bgs)	7.5 - 8 ft	10 - 10.5 ft	17 - 17.5 ft	55 - 55.5 ft	62 - 62.5 ft
	Sample Date	06/17/2009	06/17/2009	06/17/2009	06/17/2009	06/17/2009
Volatile Organic Compounds						
Tetrachloroethene	µg/kg	8240	4102	2350	48.5	20 U
Trichloroethene	µg/kg	325	58	2945	30 U	30 U
cis-1,2-Dichloroethene	µg/kg	20 U	20 U	31980	20 U	20 U
trans-1,2-Dichloroethene	µg/kg	20 U	20 U	200 U	20 U	20 U
1,1-Dichloroethene	µg/kg	50 U	50 U	500 U	50 U	50 U
Vinyl chloride	µg/kg	2 U	2 U	20 U	2 U	2 U
1,1,1,2-Tetrachloroethane	µg/kg	30 U	30 U	300 U	30 U	30 U
1,1,1-Trichloroethane	µg/kg	20 U	20 U	200 U	20 U	20 U
1,1,2,2-Tetrachloroethane	µg/kg	20 U	20 U	200 U	20 U	20 U
1,1,2-Trichloroethane	µg/kg	30 U	30 U	300 U	30 U	30 U
1,1-Dichloroethane	µg/kg	20 U	20 U	200 U	20 U	20 U
Chloroethane	µg/kg	60 U	60 U	600 U	60 U	60 U
Dichloromethane	µg/kg	20 U	20 U	200 U	20 U	20 U
1,1-Dichloropropene	µg/kg	20 U	20 U	200 U	20 U	20 U
1,2,3-Trichlorobenzene	µg/kg	1000 U	1000 U	10000 U	1000 U	1000 U
1,2,3-Trichloropropane	µg/kg	20 U	20 U	200 U	20 U	20 U
1,2,4-Trichlorobenzene	µg/kg	50 U	50 U	500 U	50 U	50 U
1,2-Dibromo-3-chloropropane	µg/kg	30 U	30 U	300 U	30 U	30 U
1,2-Dibromoethane	µg/kg	5 U	5 U	50 U	5 U	5 U
1,2-Dichlorobenzene	µg/kg	20 U	20 U	200 U	20 U	20 U
1,2-Dichloroethane	µg/kg	30 U	30 U	300 U	30 U	30 U
1,2-Dichloropropane	µg/kg	20 U	20 U	200 U	20 U	20 U
1,3-Dichlorobenzene	µg/kg	20 U	20 U	200 U	20 U	20 U
1,3-Dichloropropane	µg/kg	50 U	50 U	500 U	50 U	50 U
1,4-Dichlorobenzene	µg/kg	20 U	20 U	200 U	20 U	20 U
2,2-Dichloropropane	µg/kg	50 U	50 U	500 U	50 U	50 U
2-Chlorotoluene	µg/kg	20 U	20 U	200 U	20 U	20 U
4-Chlorotoluene	µg/kg	20 U	20 U	200 U	20 U	20 U
Bromobenzene	µg/kg	30 U	30 U	300 U	30 U	30 U
Bromodichloromethane	µg/kg	20 U	20 U	200 U	20 U	20 U
Bromoform	µg/kg	20 U	20 U	200 U	20 U	20 U
Bromomethane	µg/kg	90 U	90 U	900 U	90 U	90 U
Carbon tetrachloride	µg/kg	20 U	20 U	200 U	20 U	20 U
Chlorobenzene	µg/kg	20 U	20 U	200 U	20 U	20 U
Chloroform	µg/kg	20 U	20 U	200 U	20 U	20 U
Chloromethane	µg/kg	60 U	60 U	600 U	60 U	60 U
cis-1,3-Dichloropropene	µg/kg	20 U	20 U	200 U	20 U	20 U
Dibromochloromethane	µg/kg	30 U	30 U	300 U	30 U	30 U
Dibromomethane	µg/kg	40 U	40 U	400 U	40 U	40 U
Dichlorodifluoromethane	µg/kg	60 U	60 U	600 U	60 U	60 U
trans-1,3-Dichloropropene	µg/kg	30 U	30 U	300 U	30 U	30 U
Trichlorofluoromethane	µg/kg	50 U	50 U	500 U	50 U	50 U
BTEX						
Benzene	µg/kg	20 U	20 U	200 U	20 U	20 U
Toluene	µg/kg	20 U	20 U	4800	20 U	20 U
Ethylbenzene	µg/kg	30 U	30 U	100 J	30 U	30 U
Xylene (total)	µg/kg	30 U	100	300 U	30 U	30 U
Alkylated Benzenes						

	Event	Fox-Ave Additional Geoprobes Investigation (June 2009)				
	Location	GP-85	GP-85	GP-85	GP-85	GP-85
	SampleID	**GP-85 7.5-8.0**	**GP-85 10.0-10.5**	**GP-85 17.0-17.5**	**GP-85 55.0-55.5**	**GP-85 62.0-62.5**
	Depth (bgs)	7.5 - 8 ft	10 - 10.5 ft	17 - 17.5 ft	55 - 55.5 ft	62 - 62.5 ft
	Sample Date	06/17/2009	06/17/2009	06/17/2009	06/17/2009	06/17/2009
Alkylated Benzenes						
1,3,5-Trimethylbenzene	µg/kg	20 U	20 U	200 U	20 U	20 U
n-Propylbenzene	µg/kg	20 U	20 U	200 U	20 U	20 U
1,2,4-Trimethylbenzene	µg/kg	20 U	24	200 U	20 U	20 U
Cymene	µg/kg	20 U	20 U	200 U	20 U	20 U
iso-Propylbenzene	µg/kg	80 U	80 U	800 U	80 U	80 U
n-Butylbenzene	µg/kg	20 U	20 U	200 U	20 U	20 U
sec-Butylbenzene	µg/kg	20 U	20 U	200 U	20 U	20 U
Styrene	µg/kg	20 U	20 U	200 U	20 U	20 U
tert-Butylbenzene	µg/kg	20 U	20 U	200 U	20 U	20 U
Semivolatile Organic Compounds						
Naphthalene	µg/kg	30 U	30 U	300 U	30 U	30 U
Hexachlorobutadiene	µg/kg	100 U	100 U	1000 U	100 U	100 U

	Event	Fox-Ave Additional Geoprobes Investigation (June 2009)				
	Location	GP-86	GP-86	GP-87	GP-87	GP-87
	SampleID	**GP-86 8.0-8.5**	**GP-86 16.5-17.0**	**GP-87 1.7-2.3**	**GP-87 6.5-7.0**	**GP-87 12.0-12.5**
	Depth (bgs)	8 - 8.5 ft	16.5 - 17 ft	1.7 - 2.3 ft	6.5 - 7 ft	12 - 12.5 ft
	Sample Date	06/19/2009	06/19/2009	06/22/2009	06/22/2009	06/22/2009
Volatile Organic Compounds						
Tetrachloroethene	µg/kg	110	84000 J	1600	30	20 U
Trichloroethene	µg/kg	30 U	2800	170	30 U	30 U
cis-1,2-Dichloroethene	µg/kg	20 U	4400	670	20 U	20 U
trans-1,2-Dichloroethene	µg/kg	20 U	20 U	20 U	20 U	20 U
1,1-Dichloroethene	µg/kg	50 U	50 U	50 U	50 U	50 U
Vinyl chloride	µg/kg	2 U	2 U	2 U	2 U	2 U
1,1,1,2-Tetrachloroethane	µg/kg	30 U	30 U	30 U	30 U	30 U
1,1,1-Trichloroethane	µg/kg	20 U	20 U	20 U	20 U	20 U
1,1,2,2-Tetrachloroethane	µg/kg	20 U	20 U	20 U	20 U	20 U
1,1,2-Trichloroethane	µg/kg	30 U	30 U	30 U	30 U	30 U
1,1-Dichloroethane	µg/kg	20 U	20 U	20 U	20 U	20 U
Chloroethane	µg/kg	60 U	60 U	60 U	60 U	60 U
Dichloromethane	µg/kg	20 U	20 U	20 U	20 U	20 U
1,1-Dichloropropene	µg/kg	20 U	20 U	20 U	20 U	20 U
1,2,3-Trichlorobenzene	µg/kg	1000 U	1000 U	1000 U	1000 U	1000 U
1,2,3-Trichloropropane	µg/kg	20 U	20 U	20 U	20 U	20 U
1,2,4-Trichlorobenzene	µg/kg	50 U	50 U	50 U	50 U	50 U
1,2-Dibromo-3-chloropropane	µg/kg	30 U	30 U	30 U	30 U	30 U
1,2-Dibromoethane	µg/kg	5 U	5 U	5 U	5 U	5 U
1,2-Dichlorobenzene	µg/kg	20 U	20 U	20 U	20 U	20 U
1,2-Dichloroethane	µg/kg	30 U	30 U	30 U	30 U	30 U
1,2-Dichloropropane	µg/kg	20 U	20 U	20 U	20 U	20 U
1,3-Dichlorobenzene	µg/kg	20 U	20 U	20 U	20 U	20 U
1,3-Dichloropropane	µg/kg	50 U	50 U	50 U	50 U	50 U
1,4-Dichlorobenzene	µg/kg	20 U	20 U	20 U	20 U	20 U
2,2-Dichloropropane	µg/kg	50 U	50 U	50 U	50 U	50 U
2-Chlorotoluene	µg/kg	20 U	20 U	20 U	20 U	20 U
4-Chlorotoluene	µg/kg	20 U	20 U	20 U	20 U	20 U
Bromobenzene	µg/kg	30 U	30 U	30 U	30 U	30 U
Bromodichloromethane	µg/kg	20 U	20 U	20 U	20 U	20 U
Bromoform	µg/kg	20 U	20 U	20 U	20 U	20 U
Bromomethane	µg/kg	90 U	90 U	90 U	90 U	90 U
Carbon tetrachloride	µg/kg	20 U	20 U	20 U	20 U	20 U
Chlorobenzene	µg/kg	20 U	20 U	20 U	20 U	20 U
Chloroform	µg/kg	20 U	20 U	20 U	20 U	20 U
Chloromethane	µg/kg	60 U	60 U	60 U	60 U	60 U
cis-1,3-Dichloropropene	µg/kg	20 U	20 U	20 U	20 U	20 U
Dibromochloromethane	µg/kg	30 U	30 U	30 U	30 U	30 U
Dibromomethane	µg/kg	40 U	40 U	40 U	40 U	40 U
Dichlorodifluoromethane	µg/kg	60 U	60 U	60 U	60 U	60 U
trans-1,3-Dichloropropene	µg/kg	30 U	30 U	30 U	30 U	30 U
Trichlorofluoromethane	µg/kg	50 U	50 U	50 U	50 U	50 U
BTEX						
Benzene	µg/kg	20 U	20 U	20 U	20 U	20 U
Toluene	µg/kg	20 U	150	90	20 U	20 U
Ethylbenzene	µg/kg	30 U	520	760	30 U	30 U
Xylene (total)	µg/kg	30 U	2700	2200	30 U	30 U
Alkylated Benzenes						

	Event	Fox-Ave Additional Geoprobes Investigation (June 2009)				
	Location	GP-86	GP-86	GP-87	GP-87	GP-87
	SampleID	**GP-86 8.0-8.5**	**GP-86 16.5-17.0**	**GP-87 1.7-2.3**	**GP-87 6.5-7.0**	**GP-87 12.0-12.5**
	Depth (bgs)	8 - 8.5 ft	16.5 - 17 ft	1.7 - 2.3 ft	6.5 - 7 ft	12 - 12.5 ft
	Sample Date	06/19/2009	06/19/2009	06/22/2009	06/22/2009	06/22/2009
Alkylated Benzenes						
1,3,5-Trimethylbenzene	µg/kg	20 U	380	180	20 U	20 U
n-Propylbenzene	µg/kg	20 U	120	60	20 U	20 U
1,2,4-Trimethylbenzene	µg/kg	20 U	3300	360	20 U	20 U
Cymene	µg/kg	20 U	100	130	20 U	20 U
iso-Propylbenzene	µg/kg	80 U	60	80	80 U	80 U
n-Butylbenzene	µg/kg	20 U	20 U	20 U	20 U	20 U
sec-Butylbenzene	µg/kg	20 U	70	20 U	20 U	20 U
Styrene	µg/kg	20 U	20 U	20 U	20 U	20 U
tert-Butylbenzene	µg/kg	20 U	20 U	20 U	20 U	20 U
Semivolatile Organic Compounds						
Naphthalene	µg/kg	30 U	30	110	30 U	30 U
Hexachlorobutadiene	µg/kg	100 U	100 U	100 U	100 U	100 U

	Event	Fox-Ave Additional Geoprobes Investigation (June 2009)				
	Location	GP-87	GP-87	GP-87	GP-87	GP-87
	SampleID	**GP-87 32.0-32.5**	**GP-87 40.0-40.5**	**GP-87 45.5-46.0**	**GP-87 57.0-57.5**	**GP-87 67.0-67.5**
	Depth (bgs)	32 - 32.5 ft	40 - 40.5 ft	45.5 - 46 ft	57 - 57.5 ft	67 - 67.5 ft
	Sample Date	06/22/2009	06/22/2009	06/22/2009	06/22/2009	06/22/2009
Volatile Organic Compounds						
Tetrachloroethene	µg/kg	20 U	1100	4100	20 U	20 U
Trichloroethene	µg/kg	30 U	640	4900	30 U	140
cis-1,2-Dichloroethene	µg/kg	20 U	4000	310	20 U	90
trans-1,2-Dichloroethene	µg/kg	20 U	20 U	20 U	20 U	240
1,1-Dichloroethene	µg/kg	50 U	50 U	50 U	50 U	50 U
Vinyl chloride	µg/kg	2 U	130	2 U	2 U	2 U
1,1,1,2-Tetrachloroethane	µg/kg	30 U	30 U	30 U	30 U	30 U
1,1,1-Trichloroethane	µg/kg	20 U	20 U	20 U	20 U	20 U
1,1,2,2-Tetrachloroethane	µg/kg	20 U	20 U	20 U	20 U	20 U
1,1,2-Trichloroethane	µg/kg	30 U	30 U	30 U	30 U	30 U
1,1-Dichloroethane	µg/kg	20 U	20 U	20 U	20 U	20 U
Chloroethane	µg/kg	60 U	60 U	60 U	60 U	60 U
Dichloromethane	µg/kg	1520	20 U	20 U	20 U	20 U
1,1-Dichloropropene	µg/kg	20 U	20 U	20 U	20 U	20 U
1,2,3-Trichlorobenzene	µg/kg	1000 U	1000 U	1000 U	1000 U	1000 U
1,2,3-Trichloropropane	µg/kg	20 U	20 U	20 U	20 U	20 U
1,2,4-Trichlorobenzene	µg/kg	50 U	50 U	50 U	50 U	50 U
1,2-Dibromo-3-chloropropane	µg/kg	30 U	30 U	30 U	30 U	30 U
1,2-Dibromoethane	µg/kg	5 U	5 U	5 U	5 U	5 U
1,2-Dichlorobenzene	µg/kg	20 U	20 U	20 U	20 U	20 U
1,2-Dichloroethane	µg/kg	30 U	30 U	30 U	30 U	30 U
1,2-Dichloropropane	µg/kg	20 U	20 U	20 U	20 U	20 U
1,3-Dichlorobenzene	µg/kg	20 U	20 U	20 U	20 U	20 U
1,3-Dichloropropane	µg/kg	50 U	50 U	50 U	50 U	50 U
1,4-Dichlorobenzene	µg/kg	20 U	20 U	20 U	20 U	20 U
2,2-Dichloropropane	µg/kg	50 U	50 U	50 U	50 U	50 U
2-Chlorotoluene	µg/kg	20 U	20 U	20 U	20 U	20 U
4-Chlorotoluene	µg/kg	20 U	20 U	20 U	20 U	20 U
Bromobenzene	µg/kg	30 U	30 U	30 U	30 U	30 U
Bromodichloromethane	µg/kg	20 U	20 U	20 U	20 U	20 U
Bromoform	µg/kg	20 U	20 U	20 U	20 U	20 U
Bromomethane	µg/kg	90 U	90 U	90 U	90 U	90 U
Carbon tetrachloride	µg/kg	20 U	20 U	20 U	20 U	20 U
Chlorobenzene	µg/kg	20 U	20 U	20 U	20 U	20 U
Chloroform	µg/kg	20 U	20 U	20 U	20 U	20 U
Chloromethane	µg/kg	60 U	60 U	60 U	60 U	60 U
cis-1,3-Dichloropropene	µg/kg	20 U	20 U	20 U	20 U	20 U
Dibromochloromethane	µg/kg	30 U	30 U	30 U	30 U	30 U
Dibromomethane	µg/kg	40 U	40 U	40 U	40 U	40 U
Dichlorodifluoromethane	µg/kg	60 U	60 U	60 U	60 U	60 U
trans-1,3-Dichloropropene	µg/kg	30 U	30 U	30 U	30 U	30 U
Trichlorofluoromethane	µg/kg	50 U	50 U	50 U	50 U	50 U
BTEX						
Benzene	µg/kg	20 U	20 U	20 U	20 U	20 U
Toluene	µg/kg	20 U	20	20 U	20 U	60
Ethylbenzene	µg/kg	30 U	800	90	30 U	160
Xylene (total)	µg/kg	30 U	290	30 U	30 U	40
Alkylated Benzenes						

	Event	Fox-Ave Additional Geoprobes Investigation (June 2009)				
	Location	GP-87	GP-87	GP-87	GP-87	GP-87
	SampleID	**GP-87 32.0-32.5**	**GP-87 40.0-40.5**	**GP-87 45.5-46.0**	**GP-87 57.0-57.5**	**GP-87 67.0-67.5**
	Depth (bgs)	32 - 32.5 ft	40 - 40.5 ft	45.5 - 46 ft	57 - 57.5 ft	67 - 67.5 ft
	Sample Date	06/22/2009	06/22/2009	06/22/2009	06/22/2009	06/22/2009
Alkylated Benzenes						
1,3,5-Trimethylbenzene	µg/kg	20 U	50	380	20 U	20 U
n-Propylbenzene	µg/kg	20 U	40	180	20 U	20 U
1,2,4-Trimethylbenzene	µg/kg	20 U	250	670	20 U	90
Cymene	µg/kg	20 U	20 U	170	20 U	20 U
iso-Propylbenzene	µg/kg	80 U	80 U	50	80 U	80 U
n-Butylbenzene	µg/kg	20 U	20 U	240	20 U	20 U
sec-Butylbenzene	µg/kg	20 U	20 U	140	20 U	20 U
Styrene	µg/kg	20 U	20 U	20 U	20 U	20 U
tert-Butylbenzene	µg/kg	20 U	20 U	20 U	20 U	20 U
Semivolatile Organic Compounds						
Naphthalene	µg/kg	30 U	30 U	30 U	30 U	30 U
Hexachlorobutadiene	µg/kg	100 U	100 U	100 U	100 U	100 U
Conventionals						
Total Organic Carbon	%				0.152	

	Event	Fox-Ave Additional Geoprobes Investigation (June 2009)				
	Location	GP-88	GP-88	GP-88	GP-88	GP-89
	SampleID	**GP-88 2.0-2.5**	**GP-88 4.5-5.0**	**GP-88 8.5-9.0**	**GP-88 17.0-17.5**	**GP-89 6.2-6.8**
	Depth (bgs)	2 - 2.5 ft	4.5 - 5 ft	8.5 - 9 ft	17 - 17.5 ft	6.2 - 6.8 ft
	Sample Date	06/19/2009	06/19/2009	06/19/2009	06/19/2009	06/19/2009
Volatile Organic Compounds						
Tetrachloroethene	µg/kg	730	180000	3800	160	160000
Trichloroethene	µg/kg	30 U	300 U	920	190	2900
cis-1,2-Dichloroethene	µg/kg	20 U	200 U	60	40	200 U
trans-1,2-Dichloroethene	µg/kg	20 U	200 U	20 U	20 U	200 U
1,1-Dichloroethene	µg/kg	50 U	500 U	50 U	50 U	500 U
Vinyl chloride	µg/kg	2 U	20 U	2 U	2 U	20 U
1,1,1,2-Tetrachloroethane	µg/kg	30 U	300 U	30 U	30 U	300 U
1,1,1-Trichloroethane	µg/kg	20 U	200 U	20 U	20 U	200 U
1,1,2,2-Tetrachloroethane	µg/kg	20 U	200 U	20 U	20 U	200 U
1,1,2-Trichloroethane	µg/kg	30 U	300 U	30 U	30 U	300 U
1,1-Dichloroethane	µg/kg	20 U	200 U	20 U	20 U	200 U
Chloroethane	µg/kg	60 U	600 U	60 U	60 U	600 U
Dichloromethane	µg/kg	20 U	200 U	20 U	20 U	200 U
1,1-Dichloropropene	µg/kg	20 U	200 U	20 U	20 U	200 U
1,2,3-Trichlorobenzene	µg/kg	1000 U	10000 U	1000 U	1000 U	10000 U
1,2,3-Trichloropropane	µg/kg	20 U	200 U	20 U	20 U	200 U
1,2,4-Trichlorobenzene	µg/kg	50 U	500 U	50 U	50 U	500 U
1,2-Dibromo-3-chloropropane	µg/kg	30 U	300 U	30 U	30 U	300 U
1,2-Dibromoethane	µg/kg	5 U	50 U	5 U	5 U	50 U
1,2-Dichlorobenzene	µg/kg	20 U	200 U	20 U	20 U	200 U
1,2-Dichloroethane	µg/kg	30 U	300 U	30 U	30 U	300 U
1,2-Dichloropropane	µg/kg	20 U	200 U	20 U	20 U	200 U
1,3-Dichlorobenzene	µg/kg	20 U	200 U	20 U	20 U	200 U
1,3-Dichloropropane	µg/kg	50 U	500 U	50 U	50 U	500 U
1,4-Dichlorobenzene	µg/kg	20 U	200 U	20 U	20 U	200 U
2,2-Dichloropropane	µg/kg	50 U	500 U	50 U	50 U	500 U
2-Chlorotoluene	µg/kg	20 U	200 U	20 U	20 U	200 U
4-Chlorotoluene	µg/kg	20 U	200 U	20 U	20 U	200 U
Bromobenzene	µg/kg	30 U	300 U	30 U	30 U	300 U
Bromodichloromethane	µg/kg	20 U	200 U	20 U	20 U	200 U
Bromoform	µg/kg	20 U	200 U	20 U	20 U	200 U
Bromomethane	µg/kg	90 U	900 U	90 U	90 U	900 U
Carbon tetrachloride	µg/kg	20 U	200 U	20 U	20 U	200 U
Chlorobenzene	µg/kg	20 U	200 U	20 U	20 U	200 U
Chloroform	µg/kg	20 U	200 U	20 U	20 U	200 U
Chloromethane	µg/kg	60 U	600 U	60 U	60 U	600 U
cis-1,3-Dichloropropene	µg/kg	20 U	200 U	20 U	20 U	200 U
Dibromochloromethane	µg/kg	30 U	300 U	30 U	30 U	300 U
Dibromomethane	µg/kg	40 U	400 U	40 U	40 U	400 U
Dichlorodifluoromethane	µg/kg	60 U	600 U	60 U	60 U	600 U
trans-1,3-Dichloropropene	µg/kg	30 U	300 U	30 U	30 U	300 U
Trichlorofluoromethane	µg/kg	50 U	500 U	50 U	50 U	500 U
BTEX						
Benzene	µg/kg	20 U	200 U	20 U	20 U	200 U
Toluene	µg/kg	20 U	200 U	20 U	20 U	200 U
Ethylbenzene	µg/kg	30 U	300 U	30 U	30 U	300 U
Xylene (total)	µg/kg	30 U	300 U	30 U	30 U	300 U
Alkylated Benzenes						

	Event	**Fox-Ave Additional Geoprobes Investigation (June 2009)**				
	Location	GP-88	GP-88	GP-88	GP-88	GP-89
	SampleID	**GP-88 2.0-2.5**	**GP-88 4.5-5.0**	**GP-88 8.5-9.0**	**GP-88 17.0-17.5**	**GP-89 6.2-6.8**
	Depth (bgs)	2 - 2.5 ft	4.5 - 5 ft	8.5 - 9 ft	17 - 17.5 ft	6.2 - 6.8 ft
	Sample Date	06/19/2009	06/19/2009	06/19/2009	06/19/2009	06/19/2009
Alkylated Benzenes						
1,3,5-Trimethylbenzene	µg/kg	20 U	200 U	20 U	20 U	200 U
n-Propylbenzene	µg/kg	20 U	200 U	20 U	20 U	200 U
1,2,4-Trimethylbenzene	µg/kg	20 U	200 U	20 U	20 U	200 U
Cymene	µg/kg	20 U	200 U	20 U	20 U	200 U
iso-Propylbenzene	µg/kg	80 U	800 U	80 U	80 U	800 U
n-Butylbenzene	µg/kg	20 U	200 U	20 U	20 U	200 U
sec-Butylbenzene	µg/kg	20 U	200 U	20 U	20 U	200 U
Styrene	µg/kg	20 U	200 U	20 U	20 U	200 U
tert-Butylbenzene	µg/kg	20 U	200 U	20 U	20 U	200 U
Semivolatile Organic Compounds						
Naphthalene	µg/kg	30 U	300 U	30 U	30 U	300 U
Hexachlorobutadiene	µg/kg	100 U	1000 U	100 U	100 U	1000 U

	Event	Fox-Ave Additional Geoprobes Investigation (June 2009)				
	Location	GP-89	GP-90	GP-90	GP-90	GP-91
	SampleID	**GP-89 9.0-9.5**	**GP-90 4.5-5.0**	**GP-90 10.0-10.5**	**GP-90 13.0-13.5**	**GP-91 5.5-6.0**
	Depth (bgs)	9 - 9.5 ft	4.5 - 5 ft	10 - 10.5 ft	13 - 13.5 ft	5.5 - 6 ft
	Sample Date	06/19/2009	06/19/2009	06/19/2009	06/19/2009	06/19/2009
Volatile Organic Compounds						
Tetrachloroethene	µg/kg	36000	5200	1800	24000	1477.6
Trichloroethene	µg/kg	1100	210	190	440	30 U
cis-1,2-Dichloroethene	µg/kg	200 U	30	20	20 U	20 U
trans-1,2-Dichloroethene	µg/kg	200 U	20 U	20 U	20 U	20 U
1,1-Dichloroethene	µg/kg	500 U	50 U	50 U	50 U	50 U
Vinyl chloride	µg/kg	20 U	2 U	2 U	2 U	2 U
1,1,1,2-Tetrachloroethane	µg/kg	300 U	30 U	30 U	30 U	30 U
1,1,1-Trichloroethane	µg/kg	200 U	20 U	20 U	20 U	20 U
1,1,2,2-Tetrachloroethane	µg/kg	200 U	20 U	20 U	20 U	20 U
1,1,2-Trichloroethane	µg/kg	300 U	30 U	30 U	30 U	30 U
1,1-Dichloroethane	µg/kg	200 U	20 U	20 U	20 U	20 U
Chloroethane	µg/kg	600 U	60 U	60 U	60 U	60 U
Dichloromethane	µg/kg	200 U	20 U	20 U	20 U	20 U
1,1-Dichloropropene	µg/kg	200 U	20 U	20 U	20 U	20 U
1,2,3-Trichlorobenzene	µg/kg	10000 U	1000 U	1000 U	1000 U	1000 U
1,2,3-Trichloropropane	µg/kg	200 U	20 U	20 U	20 U	20 U
1,2,4-Trichlorobenzene	µg/kg	500 U	50 U	50 U	50 U	50 U
1,2-Dibromo-3-chloropropane	µg/kg	300 U	30 U	30 U	30 U	30 U
1,2-Dibromoethane	µg/kg	50 U	5 U	5 U	5 U	5 U
1,2-Dichlorobenzene	µg/kg	200 U	20 U	20 U	20 U	20 U
1,2-Dichloroethane	µg/kg	300 U	30 U	30 U	30 U	30 U
1,2-Dichloropropane	µg/kg	200 U	20 U	20 U	20 U	20 U
1,3-Dichlorobenzene	µg/kg	200 U	20 U	20 U	20 U	20 U
1,3-Dichloropropane	µg/kg	500 U	50 U	50 U	50 U	50 U
1,4-Dichlorobenzene	µg/kg	200 U	20 U	20 U	20 U	20 U
2,2-Dichloropropane	µg/kg	500 U	50 U	50 U	50 U	50 U
2-Chlorotoluene	µg/kg	200 U	20 U	20 U	20 U	20 U
4-Chlorotoluene	µg/kg	200 U	20 U	20 U	20 U	20 U
Bromobenzene	µg/kg	300 U	30 U	30 U	30 U	30 U
Bromodichloromethane	µg/kg	200 U	20 U	20 U	20 U	20 U
Bromoform	µg/kg	200 U	20 U	20 U	20 U	20 U
Bromomethane	µg/kg	900 U	90 U	90 U	90 U	90 U
Carbon tetrachloride	µg/kg	200 U	20 U	20 U	20 U	20 U
Chlorobenzene	µg/kg	200 U	20 U	20 U	20 U	20 U
Chloroform	µg/kg	200 U	20 U	20 U	20 U	20 U
Chloromethane	µg/kg	600 U	60 U	60 U	60 U	60 U
cis-1,3-Dichloropropene	µg/kg	200 U	20 U	20 U	20 U	20 U
Dibromochloromethane	µg/kg	300 U	30 U	30 U	30 U	30 U
Dibromomethane	µg/kg	400 U	40 U	40 U	40 U	40 U
Dichlorodifluoromethane	µg/kg	600 U	60 U	60 U	60 U	60 U
trans-1,3-Dichloropropene	µg/kg	300 U	30 U	30 U	30 U	30 U
Trichlorofluoromethane	µg/kg	500 U	50 U	50 U	50 U	50 U
BTEX						
Benzene	µg/kg	200 U	20 U	20 U	20 U	20 U
Toluene	µg/kg	200 U	20 U	20 U	20 U	20 U
Ethylbenzene	µg/kg	300 U	30 U	30 U	30 U	30 U
Xylene (total)	µg/kg	300 U	30 U	30 U	30 U	30 U
Alkylated Benzenes						

	Event	Fox-Ave Additional Geoprobes Investigation (June 2009)				
	Location	GP-89	GP-90	GP-90	GP-90	GP-91
	SampleID	**GP-89 9.0-9.5**	**GP-90 4.5-5.0**	**GP-90 10.0-10.5**	**GP-90 13.0-13.5**	**GP-91 5.5-6.0**
	Depth (bgs)	9 - 9.5 ft	4.5 - 5 ft	10 - 10.5 ft	13 - 13.5 ft	5.5 - 6 ft
	Sample Date	06/19/2009	06/19/2009	06/19/2009	06/19/2009	06/19/2009
Alkylated Benzenes						
1,3,5-Trimethylbenzene	µg/kg	200 U	20 U	20 U	20 U	20 U
n-Propylbenzene	µg/kg	200 U	20 U	20 U	120 U	20 U
1,2,4-Trimethylbenzene	µg/kg	200 U	20 U	20 U	20 U	20 U
Cymene	µg/kg	200 U	20 U	20 U	20 U	20 U
iso-Propylbenzene	µg/kg	800 U	80 U	80 U	80 U	80 U
n-Butylbenzene	µg/kg	200 U	20 U	20 U	20 U	20 U
sec-Butylbenzene	µg/kg	200 U	20 U	20 U	20 U	20 U
Styrene	µg/kg	200 U	20 U	20 U	20 U	20 U
tert-Butylbenzene	µg/kg	200 U	20 U	20 U	20 U	20 U
Semivolatile Organic Compounds						
Naphthalene	µg/kg	300 U	30 U	30 U	30 U	30 U
Hexachlorobutadiene	µg/kg	1000 U	100 U	100 U	100 U	100 U

	Event	Fox-Ave Additional Geoprobes Investigation (June 2009)				
	Location	GP-91				
	SampleID	**GP-91 12.5-13.0**				
	Depth (bgs)	12.5 - 13 ft				
	Sample Date	06/19/2009				
Volatile Organic Compounds						
Tetrachloroethene	µg/kg	550				
Trichloroethene	µg/kg	200				
cis-1,2-Dichloroethene	µg/kg	20 U				
trans-1,2-Dichloroethene	µg/kg	20 U				
1,1-Dichloroethene	µg/kg	50 U				
Vinyl chloride	µg/kg	2 U				
1,1,1,2-Tetrachloroethane	µg/kg	30 U				
1,1,1-Trichloroethane	µg/kg	20 U				
1,1,2,2-Tetrachloroethane	µg/kg	20 U				
1,1,2-Trichloroethane	µg/kg	30 U				
1,1-Dichloroethane	µg/kg	20 U				
Chloroethane	µg/kg	60 U				
Dichloromethane	µg/kg	20 U				
1,1-Dichloropropene	µg/kg	20 U				
1,2,3-Trichlorobenzene	µg/kg	1000 U				
1,2,3-Trichloropropane	µg/kg	20 U				
1,2,4-Trichlorobenzene	µg/kg	50 U				
1,2-Dibromo-3-chloropropane	µg/kg	30 U				
1,2-Dibromoethane	µg/kg	5 U				
1,2-Dichlorobenzene	µg/kg	20 U				
1,2-Dichloroethane	µg/kg	30 U				
1,2-Dichloropropane	µg/kg	20 U				
1,3-Dichlorobenzene	µg/kg	20 U				
1,3-Dichloropropane	µg/kg	50 U				
1,4-Dichlorobenzene	µg/kg	20 U				
2,2-Dichloropropane	µg/kg	50 U				
2-Chlorotoluene	µg/kg	20 U				
4-Chlorotoluene	µg/kg	20 U				
Bromobenzene	µg/kg	30 U				
Bromodichloromethane	µg/kg	20 U				
Bromoform	µg/kg	20 U				
Bromomethane	µg/kg	90 U				
Carbon tetrachloride	µg/kg	20 U				
Chlorobenzene	µg/kg	20 U				
Chloroform	µg/kg	20 U				
Chloromethane	µg/kg	60 U				
cis-1,3-Dichloropropene	µg/kg	20 U				
Dibromochloromethane	µg/kg	30 U				
Dibromomethane	µg/kg	40 U				
Dichlorodifluoromethane	µg/kg	60 U				
trans-1,3-Dichloropropene	µg/kg	30 U				
Trichlorofluoromethane	µg/kg	50 U				
BTEX						
Benzene	µg/kg	20 U				
Toluene	µg/kg	20 U				
Ethylbenzene	µg/kg	30 U				
Xylene (total)	µg/kg	30 U				
Alkylated Benzenes						

	Event	Fox-Ave Additional Geoprobes Investigation (June 2009)				
	Location	GP-91				
	SampleID	**GP-91 12.5-13.0**				
	Depth (bgs)	12.5 - 13 ft				
	Sample Date	06/19/2009				
Alkylated Benzenes						
1,3,5-Trimethylbenzene	µg/kg	20 U				
n-Propylbenzene	µg/kg	20 U				
1,2,4-Trimethylbenzene	µg/kg	20 U				
Cymene	µg/kg	20 U				
iso-Propylbenzene	µg/kg	80 U				
n-Butylbenzene	µg/kg	20 U				
sec-Butylbenzene	µg/kg	20 U				
Styrene	µg/kg	20 U				
tert-Butylbenzene	µg/kg	20 U				
Semivolatile Organic Compounds						
Naphthalene	µg/kg	30 U				
Hexachlorobutadiene	µg/kg	100 U				

	Event	Fox-Ave Data Gaps Investigation Sampling (November - December 2008)				
	Location	GP-29	GP-29	GP-29	GP-35	GP-35
	SampleID	**GP-29 7.5**	**GP-29 10**	**GP-29 14**	**GP-35 5**	**GP-35 8**
	Depth (bgs)	7.5 ft	10 ft	14 ft	5 ft	8 ft
	Sample Date	12/30/2008	12/30/2008	12/30/2008	12/30/2008	12/30/2008
Volatile Organic Compounds						
Tetrachloroethene	µg/kg	1600	3800	500	4000	500000
Trichloroethene	µg/kg	300 U	300 U	30 U	300 U	43000
cis-1,2-Dichloroethene	µg/kg	200 U	200 U	20 U	200 U	4000
trans-1,2-Dichloroethene	µg/kg	200 U	200 U	20 U	200 U	200 U
1,1-Dichloroethene	µg/kg	500 U	500 U	50 U	500 U	500 U
Vinyl chloride	µg/kg	20 U	20 U	2 U	20 U	20 U
1,1,1,2-Tetrachloroethane	µg/kg	300 U	300 U	30 U	300 U	300 U
1,1,1-Trichloroethane	µg/kg	200 U	200 U	20 U	200 U	7800
1,1,2,2-Tetrachloroethane	µg/kg	200 U	200 U	20 U	200 U	200 U
1,1,2-Trichloroethane	µg/kg	300 U	300 U	30 U	300 U	300 U
1,1-Dichloroethane	µg/kg	200 U	200 U	20 U	200 U	200 U
Chloroethane	µg/kg	600 U	600 U	60 U	600 U	600 U
Dichloromethane	µg/kg	200 U	200 U	20 U	200 U	200 U
1,1-Dichloropropene	µg/kg	200 U	200 U	20 U	200 U	200 U
1,2,3-Trichlorobenzene	µg/kg	10000 U	10000 U	1000 U	10000 U	10000 U
1,2,3-Trichloropropane	µg/kg	200 U	200 U	20 U	200 U	200 U
1,2,4-Trichlorobenzene	µg/kg	500 U	500 U	50 U	500 U	500 U
1,2-Dibromo-3-chloropropane	µg/kg	300 U	300 U	30 U	300 U	300 U
1,2-Dibromoethane	µg/kg	50 U	50 U	5 U	50 U	50 U
1,2-Dichlorobenzene	µg/kg	200 U	200 U	20 U	200 U	350
1,2-Dichloroethane	µg/kg	300 U	300 U	30 U	300 U	300 U
1,2-Dichloropropane	µg/kg	200 U	200 U	20 U	200 U	200 U
1,3-Dichlorobenzene	µg/kg	200 U	200 U	20 U	200 U	200 U
1,3-Dichloropropane	µg/kg	500 U	500 U	50 U	500 U	500 U
1,4-Dichlorobenzene	µg/kg	200 U	200 U	20 U	200 U	200 U
2,2-Dichloropropane	µg/kg	500 U	500 U	50 U	500 U	500 U
2-Chlorotoluene	µg/kg	200 U	200 U	20 U	200 U	200 U
4-Chlorotoluene	µg/kg	200 U	200 U	20 U	200 U	200 U
Bromobenzene	µg/kg	300 U	300 U	30 U	300 U	300 U
Bromodichloromethane	µg/kg	200 U	200 U	20 U	200 U	200 U
Bromoform	µg/kg	200 U	200 U	20 U	200 U	200 U
Bromomethane	µg/kg	900 U	900 U	90 U	900 U	900 U
Carbon tetrachloride	µg/kg	200 U	200 U	20 U	200 U	200 U
Chlorobenzene	µg/kg	200 U	200 U	20 U	200 U	200 U
Chloroform	µg/kg	200 U	200 U	20 U	200 U	200 U
Chloromethane	µg/kg	600 U	600 U	60 U	600 U	600 U
cis-1,3-Dichloropropene	µg/kg	200 U	200 U	20 U	200 U	200 U
Dibromochloromethane	µg/kg	300 U	300 U	30 U	300 U	300 U
Dibromomethane	µg/kg	400 U	400 U	40 U	400 U	400 U
Dichlorodifluoromethane	µg/kg	600 U	600 U	60 U	600 U	600 U
trans-1,3-Dichloropropene	µg/kg	300 U	300 U	30 U	300 U	300 U
Trichlorofluoromethane	µg/kg	500 U	500 U	50 U	500 U	500 U
BTEX						
Benzene	µg/kg	200 U	200 U	200	200 U	200 U
Toluene	µg/kg	200 U	200 U	550	200 U	520
Ethylbenzene	µg/kg	300 U	300 U	950	300 U	980
Xylene (total)	µg/kg	300 U	300 U	840	300 U	8000
Alkylated Benzenes						

	Event	**Fox-Ave Data Gaps Investigation Sampling (November - December 2008)**				
	Location	GP-29	GP-29	GP-29	GP-35	GP-35
	SampleID	**GP-29 7.5**	**GP-29 10**	**GP-29 14**	**GP-35 5**	**GP-35 8**
	Depth (bgs)	7.5 ft	10 ft	14 ft	5 ft	8 ft
	Sample Date	12/30/2008	12/30/2008	12/30/2008	12/30/2008	12/30/2008
Alkylated Benzenes						
1,3,5-Trimethylbenzene	µg/kg	200 U	200 U	20 U	200 U	740
n-Propylbenzene	µg/kg	200 U	200 U	20 U	200 U	180
1,2,4-Trimethylbenzene	µg/kg	200 U	200 U	20 U	200 U	200 U
Cymene	µg/kg	200 U	200 U	20 U	200 U	240
iso-Propylbenzene	µg/kg	800 U	800 U	80 U	800 U	800 U
n-Butylbenzene	µg/kg	200 U	200 U	20 U	200 U	280
sec-Butylbenzene	µg/kg	200 U	200 U	20 U	200 U	180
Styrene	µg/kg	200 U	200 U	20 U	200 U	200 U
tert-Butylbenzene	µg/kg	200 U	200 U	20 U	200 U	200 U
Semivolatile Organic Compounds						
Naphthalene	µg/kg	300 U	300 U	30 U	300 U	1500
Hexachlorobutadiene	µg/kg	1000 U	1000 U	100 U	1000 U	1000 U

	Event	Fox-Ave Data Gaps Investigation Sampling (November - December 2008)				
	Location	GP-35	GP-35	GP-35	GP-38	GP-38
	SampleID	**GP-35 12**	**GP-35 14**	**GP-35 16**	**GP-38 7.25-8**	**GP-38 11.7-12**
	Depth (bgs)	12 ft	14 ft	16 ft	7.25 - 8 ft	11.7 - 12 ft
	Sample Date	12/30/2008	12/30/2008	12/30/2008	12/08/2008	12/08/2008
Volatile Organic Compounds						
Tetrachloroethene	µg/kg	2600	500	60	510	6000
Trichloroethene	µg/kg	300 U	30 U	30 U	30 U	380
cis-1,2-Dichloroethene	µg/kg	6500	11000	23000	20 U	85
trans-1,2-Dichloroethene	µg/kg	200 U	20 U	20 U	20 U	20 U
1,1-Dichloroethene	µg/kg	500 U	50 U	50 U	50 U	50 U
Vinyl chloride	µg/kg	20 U	400	80	2 U	2 U
1,1,1,2-Tetrachloroethane	µg/kg	300 U	30 U	30 U	30 U	30 U
1,1,1-Trichloroethane	µg/kg	200 U	20 U	20 U	20 U	90
1,1,2,2-Tetrachloroethane	µg/kg	200 U	20 U	20 U	20 U	20 U
1,1,2-Trichloroethane	µg/kg	300 U	30 U	30 U	30 U	70
1,1-Dichloroethane	µg/kg	200 U	20 U	20 U	20 U	20 U
Chloroethane	µg/kg	600 U	60 U	60 U	60 U	60 U
Dichloromethane	µg/kg	200 U	20 U	20 U	20 U	20 U
1,1-Dichloropropene	µg/kg	200 U	20 U	20 U	20 U	20 U
1,2,3-Trichlorobenzene	µg/kg	10000 U	1000 U	1000 U	1000 U	1000 U
1,2,3-Trichloropropane	µg/kg	200 U	20 U	20 U	20 U	20 U
1,2,4-Trichlorobenzene	µg/kg	500 U	50 U	50 U	50 U	50 U
1,2-Dibromo-3-chloropropane	µg/kg	300 U	30 U	30 U	30 U	30 U
1,2-Dibromoethane	µg/kg	50 U	5 U	5 U	5 U	5 U
1,2-Dichlorobenzene	µg/kg	200 U	20 U	40	20 U	20 U
1,2-Dichloroethane	µg/kg	300 U	30 U	30 U	30 U	30 U
1,2-Dichloropropane	µg/kg	200 U	20 U	20 U	20 U	20 U
1,3-Dichlorobenzene	µg/kg	200 U	20 U	20 U	20 U	20 U
1,3-Dichloropropane	µg/kg	500 U	50 U	50 U	50 U	50 U
1,4-Dichlorobenzene	µg/kg	200 U	20 U	20 U	20 U	20 U
2,2-Dichloropropane	µg/kg	500 U	50 U	50 U	50 U	50 U
2-Chlorotoluene	µg/kg	200 U	20 U	20 U	20 U	20 U
4-Chlorotoluene	µg/kg	200 U	20 U	20 U	20 U	20 U
Bromobenzene	µg/kg	300 U	30 U	30 U	30 U	30 U
Bromodichloromethane	µg/kg	200 U	20 U	20 U	20 U	20 U
Bromoform	µg/kg	200 U	20 U	20 U	20 U	20 U
Bromomethane	µg/kg	900 U	90 U	90 U	90 U	90 U
Carbon tetrachloride	µg/kg	200 U	20 U	20 U	20 U	20 U
Chlorobenzene	µg/kg	200 U	20 U	20 U	20 U	20 U
Chloroform	µg/kg	200 U	20 U	20 U	20 U	20 U
Chloromethane	µg/kg	600 U	60 U	60 U	60 U	60 U
cis-1,3-Dichloropropene	µg/kg	200 U	20 U	20 U	20 U	20 U
Dibromochloromethane	µg/kg	300 U	30 U	30 U	30 U	30 U
Dibromomethane	µg/kg	400 U	40 U	40 U	40 U	40 U
Dichlorodifluoromethane	µg/kg	600 U	60 U	60 U	60 U	60 U
trans-1,3-Dichloropropene	µg/kg	300 U	30 U	30 U	30 U	30 U
Trichlorofluoromethane	µg/kg	500 U	50 U	50 U	50 U	50 U
BTEX						
Benzene	µg/kg	200 U	70	400	20 U	20 U
Toluene	µg/kg	950	4500	980	20 U	270
Ethylbenzene	µg/kg	450	600	850	30 U	30 U
Xylene (total)	µg/kg	1400	1600	850	30 U	30 U
Alkylated Benzenes						

	Event	Fox-Ave Data Gaps Investigation Sampling (November - December 2008)				
	Location	GP-35	GP-35	GP-35	GP-38	GP-38
	SampleID	**GP-35 12**	**GP-35 14**	**GP-35 16**	**GP-38 7.25-8**	**GP-38 11.7-12**
	Depth (bgs)	12 ft	14 ft	16 ft	7.25 - 8 ft	11.7 - 12 ft
	Sample Date	12/30/2008	12/30/2008	12/30/2008	12/08/2008	12/08/2008
Alkylated Benzenes						
1,3,5-Trimethylbenzene	µg/kg	80 J	70	150	20 U	20 U
n-Propylbenzene	µg/kg	30 J	20 U	60	20 U	20 U
1,2,4-Trimethylbenzene	µg/kg	200 U	20 U	20 U	20 U	20 U
Cymene	µg/kg	180	850	250	20 U	20 U
iso-Propylbenzene	µg/kg	800 U	80 U	80 U	80 U	80 U
n-Butylbenzene	µg/kg	200 U	20 U	20 U	20 U	20 U
sec-Butylbenzene	µg/kg	200 U	20 U	20 U	20 U	20 U
Styrene	µg/kg	200 U	20 U	20 U	20 U	20 U
tert-Butylbenzene	µg/kg	200 U	20 U	60	20 U	20 U
Semivolatile Organic Compounds						
Naphthalene	µg/kg	120 J	30 U	70	30 U	30 U
Hexachlorobutadiene	µg/kg	1000 U	100 U	100 U	100 U	100 U

	Event	Fox-Ave Data Gaps Investigation Sampling (November - December 2008)				
	Location	GP-38	GP-38	GP-38	GP-38	GP-38
	SampleID	**GP-38 14-14.5**	**GP-38 15.5-16**	**GP-38 19-20**	**GP-38 25.5-26**	**GP-38 43-44**
	Depth (bgs)	14 - 14.5 ft	15.5 - 16 ft	19 - 20 ft	25.5 - 26 ft	43 - 44 ft
	Sample Date	12/08/2008	12/08/2008	12/08/2008	12/08/2008	12/08/2008
Volatile Organic Compounds						
Tetrachloroethene	µg/kg	70000	8500	130	290	150
Trichloroethene	µg/kg	26000	2400	30 U	30 U	30 U
cis-1,2-Dichloroethene	µg/kg	370	4700	5500	180	20 U
trans-1,2-Dichloroethene	µg/kg	20 U	20 U	20 U	20 U	20 U
1,1-Dichloroethene	µg/kg	50 U	50 U	50 U	50 U	50 U
Vinyl chloride	µg/kg	2 U	2 U	10	2 U	2 U
1,1,1,2-Tetrachloroethane	µg/kg	30 U	30 U	30 U	30 U	30 U
1,1,1-Trichloroethane	µg/kg	4200	20 U	20 U	20 U	20 U
1,1,2,2-Tetrachloroethane	µg/kg	20 U	20 U	20 U	20 U	20 U
1,1,2-Trichloroethane	µg/kg	30 U	30 U	30 U	30 U	30 U
1,1-Dichloroethane	µg/kg	510	60	20 U	20 U	20 U
Chloroethane	µg/kg	60 U	60 U	60 U	60 U	60 U
Dichloromethane	µg/kg	20 U	20 U	20 U	20 U	20 U
1,1-Dichloropropene	µg/kg	20 U	20 U	20 U	20 U	20 U
1,2,3-Trichlorobenzene	µg/kg	1000 U	1000 U	1000 U	1000 U	1000 U
1,2,3-Trichloropropane	µg/kg	20 U	20 U	20 U	20 U	20 U
1,2,4-Trichlorobenzene	µg/kg	50 U	50 U	50 U	50 U	50 U
1,2-Dibromo-3-chloropropane	µg/kg	30 U	30 U	30 U	30 U	30 U
1,2-Dibromoethane	µg/kg	5 U	5 U	5 U	5 U	5 U
1,2-Dichlorobenzene	µg/kg	20 U	20 U	20 U	20 U	20 U
1,2-Dichloroethane	µg/kg	30 U	30 U	30 U	30 U	30 U
1,2-Dichloropropane	µg/kg	20 U	20 U	20 U	20 U	20 U
1,3-Dichlorobenzene	µg/kg	20 U	20 U	20 U	20 U	20 U
1,3-Dichloropropane	µg/kg	50 U	50 U	50 U	50 U	50 U
1,4-Dichlorobenzene	µg/kg	20 U	20 U	20 U	20 U	20 U
2,2-Dichloropropane	µg/kg	50 U	50 U	50 U	50 U	50 U
2-Chlorotoluene	µg/kg	20 U	20 U	20 U	20 U	20 U
4-Chlorotoluene	µg/kg	20 U	20 U	20 U	20 U	20 U
Bromobenzene	µg/kg	30 U	30 U	30 U	30 U	30 U
Bromodichloromethane	µg/kg	20 U	20 U	20 U	20 U	20 U
Bromoform	µg/kg	20 U	20 U	20 U	20 U	20 U
Bromomethane	µg/kg	90 U	90 U	90 U	90 U	90 U
Carbon tetrachloride	µg/kg	20 U	20 U	20 U	20 U	20 U
Chlorobenzene	µg/kg	20 U	20 U	20 U	20 U	20 U
Chloroform	µg/kg	20 U	20 U	20 U	20 U	20 U
Chloromethane	µg/kg	60 U	60 U	60 U	60 U	60 U
cis-1,3-Dichloropropene	µg/kg	20 U	20 U	20 U	20 U	20 U
Dibromochloromethane	µg/kg	30 U	30 U	30 U	30 U	30 U
Dibromomethane	µg/kg	40 U	40 U	40 U	40 U	40 U
Dichlorodifluoromethane	µg/kg	60 U	60 U	60 U	60 U	60 U
trans-1,3-Dichloropropene	µg/kg	30 U	30 U	30 U	30 U	30 U
Trichlorofluoromethane	µg/kg	50 U	50 U	50 U	50 U	50 U
BTEX						
Benzene	µg/kg	20 U	20 U	20 U	20 U	20 U
Toluene	µg/kg	27000	3200	650	20 U	40
Ethylbenzene	µg/kg	1100	30 U	94	30 U	30 U
Xylene (total)	µg/kg	5200	110	130	30 U	30 U
Alkylated Benzenes						

	Event	**Fox-Ave Data Gaps Investigation Sampling (November - December 2008)**				
	Location	GP-38	GP-38	GP-38	GP-38	GP-38
	SampleID	**GP-38 14-14.5**	**GP-38 15.5-16**	**GP-38 19-20**	**GP-38 25.5-26**	**GP-38 43-44**
	Depth (bgs)	14 - 14.5 ft	15.5 - 16 ft	19 - 20 ft	25.5 - 26 ft	43 - 44 ft
	Sample Date	12/08/2008	12/08/2008	12/08/2008	12/08/2008	12/08/2008
Alkylated Benzenes						
1,3,5-Trimethylbenzene	µg/kg	520	20 U	20 U	20 U	20 U
n-Propylbenzene	µg/kg	180	20 U	20 U	20 U	20 U
1,2,4-Trimethylbenzene	µg/kg	20 U	20 U	20 U	20 U	20 U
Cymene	µg/kg	140	20 U	20 U	20 U	20 U
iso-Propylbenzene	µg/kg	80	80 U	80 U	80 U	80 U
n-Butylbenzene	µg/kg	160	20 U	20 U	20 U	20 U
sec-Butylbenzene	µg/kg	120	20 U	20 U	20 U	20 U
Styrene	µg/kg	20 U	20 U	20 U	20 U	20 U
tert-Butylbenzene	µg/kg	20 U	20 U	20 U	20 U	20 U
Semivolatile Organic Compounds						
Naphthalene	µg/kg	30 U	30 U	30 U	30 U	30 U
Hexachlorobutadiene	µg/kg	100 U	100 U	100 U	100 U	100 U

	Event	Fox-Ave Data Gaps Investigation Sampling (November - December 2008)				
	Location	GP-39	GP-39	GP-40	GP-40	GP-40
	SampleID	**GP-39 4-5**	**GP-39 11.5-12**	**GP-40 9-10**	**GP-140 9-10**	**GP-40 17.5-18.5**
	Depth (bgs)	4 - 5 ft	11.5 - 12 ft	9 - 10 ft	9 - 10 ft	17.5 - 18.5 ft
	Sample Date	12/09/2008	12/09/2008	12/12/2008	12/12/2008	12/12/2008
Volatile Organic Compounds						
Tetrachloroethene	µg/kg	1400	440	20 U	20 U	130
Trichloroethene	µg/kg	120	30 U	70	30 U	50
cis-1,2-Dichloroethene	µg/kg	240	210	110	100	5700
trans-1,2-Dichloroethene	µg/kg	20 U	20 U	20 U	20 U	40
1,1-Dichloroethene	µg/kg	50 U	50 U	50 U	50 U	50 U
Vinyl chloride	µg/kg	2 U	2 U	2 U	2 U	120
1,1,1,2-Tetrachloroethane	µg/kg	30 U	30 U	30 U	30 U	30 U
1,1,1-Trichloroethane	µg/kg	20 U	20 U	20 U	20 U	20 U
1,1,2,2-Tetrachloroethane	µg/kg	20 U	20 U	20 U	20 U	20 U
1,1,2-Trichloroethane	µg/kg	30 U	30 U	30 U	30 U	30 U
1,1-Dichloroethane	µg/kg	20 U	20 U	20 U	20 U	20 U
Chloroethane	µg/kg	60 U	60 U	60 U	60 U	60 U
Dichloromethane	µg/kg	20 U	20 U	20 U	20 U	20 U
1,1-Dichloropropene	µg/kg	20 U	20 U	20 U	20 U	20 U
1,2,3-Trichlorobenzene	µg/kg	1000 U	1000 U	1000 U	1000 U	1000 U
1,2,3-Trichloropropane	µg/kg	20 U	20 U	20 U	20 U	20 U
1,2,4-Trichlorobenzene	µg/kg	50 U	50 U	50 U	50 U	50 U
1,2-Dibromo-3-chloropropane	µg/kg	30 U	30 U	30 U	30 U	30 U
1,2-Dibromoethane	µg/kg	5 U	5 U	5 U	5 U	5 U
1,2-Dichlorobenzene	µg/kg	20 U	20 U	20 U	20 U	20 U
1,2-Dichloroethane	µg/kg	30 U	30 U	30 U	30 U	30 U
1,2-Dichloropropane	µg/kg	20 U	20 U	20 U	20 U	20 U
1,3-Dichlorobenzene	µg/kg	20 U	20 U	20 U	20 U	20 U
1,3-Dichloropropane	µg/kg	50 U	50 U	50 U	50 U	50 U
1,4-Dichlorobenzene	µg/kg	20 U	20 U	20 U	20 U	20 U
2,2-Dichloropropane	µg/kg	50 U	50 U	50 U	50 U	50 U
2-Chlorotoluene	µg/kg	20 U	20 U	20 U	20 U	20 U
4-Chlorotoluene	µg/kg	20 U	20 U	20 U	20 U	20 U
Bromobenzene	µg/kg	30 U	30 U	30 U	30 U	30 U
Bromodichloromethane	µg/kg	20 U	20 U	20 U	20 U	20 U
Bromoform	µg/kg	20 U	20 U	20 U	20 U	20 U
Bromomethane	µg/kg	90 U	90 U	90 U	90 U	90 U
Carbon tetrachloride	µg/kg	20 U	20 U	20 U	20 U	20 U
Chlorobenzene	µg/kg	20 U	20 U	20 U	20 U	20 U
Chloroform	µg/kg	20 U	20 U	20 U	20 U	20 U
Chloromethane	µg/kg	60 U	60 U	60 U	60 U	60 U
cis-1,3-Dichloropropene	µg/kg	20 U	20 U	20 U	20 U	20 U
Dibromochloromethane	µg/kg	30 U	30 U	30 U	30 U	30 U
Dibromomethane	µg/kg	40 U	40 U	40 U	40 U	40 U
Dichlorodifluoromethane	µg/kg	60 U	60 U	60 U	60 U	60 U
trans-1,3-Dichloropropene	µg/kg	30 U	30 U	30 U	30 U	30 U
Trichlorofluoromethane	µg/kg	50 U	50 U	50 U	50 U	50 U
Total Petroleum Hydrocarbons						
Diesel #2	mg/kg			20 U	20 U	20 U
Gasoline	mg/kg			10 U	10 U	10 U
Gasoline Range Hydrocarbons	mg/kg			10 U	10 U	10 U
Lube Oil	mg/kg			50 U	50 U	50 U
Paraffin Oils	mg/kg			40 U	40 U	40 U

	Event	Fox-Ave Data Gaps Investigation Sampling (November - December 2008)				
	Location	GP-39	GP-39	GP-40	GP-40	GP-40
	SampleID	**GP-39 4-5**	**GP-39 11.5-12**	**GP-40 9-10**	**GP-140 9-10**	**GP-40 17.5-18.5**
	Depth (bgs)	4 - 5 ft	11.5 - 12 ft	9 - 10 ft	9 - 10 ft	17.5 - 18.5 ft
	Sample Date	12/09/2008	12/09/2008	12/12/2008	12/12/2008	12/12/2008
BTEX						
Benzene	µg/kg	20 U	20 U	20 U	20 U	20
Toluene	µg/kg	20 U	20 U	20 U	20 U	3000
Ethylbenzene	µg/kg	30 U	30 U	30 U	30 U	750
Xylene (total)	µg/kg	30 U	30 U	30 U	30 U	1000
Alkylated Benzenes						
1,3,5-Trimethylbenzene	µg/kg	20 U	20 U	20 U	20 U	90
n-Propylbenzene	µg/kg	20 U	20 U	20 U	20 U	20 U
1,2,4-Trimethylbenzene	µg/kg	20 U	20 U	20 U	20 U	20 U
Cymene	µg/kg	20 U	20 U	20 U	20 U	90
iso-Propylbenzene	µg/kg	80 U	80 U	80 U	80 U	80 U
n-Butylbenzene	µg/kg	20 U	20 U	20 U	20 U	20 U
sec-Butylbenzene	µg/kg	20 U	20 U	20 U	20 U	20 U
Styrene	µg/kg	20 U	20 U	20 U	20 U	20 U
tert-Butylbenzene	µg/kg	20 U	20 U	20 U	20 U	20 U
Semivolatile Organic Compounds						
Naphthalene	µg/kg	30 U	30 U	30 U	30 U	30 U
Hexachlorobutadiene	µg/kg	100 U	100 U	100 U	100 U	100 U

	Event	Fox-Ave Data Gaps Investigation Sampling (November - December 2008)				
	Location	GP-40	GP-40	GP-40	GP-40	GP-40
	SampleID	**GP-40 22-23**	**GP-40 29-30**	**GP-40 42-43**	**GP-40 50-51**	**GP-40 57-58**
	Depth (bgs)	22 - 23 ft	29 - 30 ft	42 - 43 ft	50 - 51 ft	57 - 58 ft
	Sample Date	12/12/2008	12/12/2008	12/12/2008	12/12/2008	12/12/2008
Volatile Organic Compounds						
Tetrachloroethene	µg/kg	220	170	280	38000	15000
Trichloroethene	µg/kg	40	30 U	90	14000	10000
cis-1,2-Dichloroethene	µg/kg	50	520	15000	1800	1900
trans-1,2-Dichloroethene	µg/kg	20 U	20 U	120	20 U	20 U
1,1-Dichloroethene	µg/kg	50 U	50 U	50 U	50 U	50 U
Vinyl chloride	µg/kg	2 U	2 U	250	2 U	2 U
1,1,1,2-Tetrachloroethane	µg/kg	30 U	30 U	30 U	30 U	30 U
1,1,1-Trichloroethane	µg/kg	20 U	20 U	20 U	20 U	20 U
1,1,2,2-Tetrachloroethane	µg/kg	20 U	20 U	20 U	20 U	20 U
1,1,2-Trichloroethane	µg/kg	30 U	30 U	30 U	30 U	30 U
1,1-Dichloroethane	µg/kg	20 U	20 U	20 U	20 U	20 U
Chloroethane	µg/kg	60 U	60 U	60 U	60 U	60 U
Dichloromethane	µg/kg	20 U	20 U	20 U	20 U	20 U
1,1-Dichloropropene	µg/kg	20 U	20 U	20 U	20 U	20 U
1,2,3-Trichlorobenzene	µg/kg	1000 U	1000 U	1000 U	1000 U	1000 U
1,2,3-Trichloropropane	µg/kg	20 U	20 U	20 U	20 U	20 U
1,2,4-Trichlorobenzene	µg/kg	50 U	50 U	50 U	50 U	50 U
1,2-Dibromo-3-chloropropane	µg/kg	30 U	30 U	30 U	30 U	30 U
1,2-Dibromoethane	µg/kg	5 U	5 U	5 U	5 U	5 U
1,2-Dichlorobenzene	µg/kg	20 U	20 U	20 U	20 U	20 U
1,2-Dichloroethane	µg/kg	30 U	30 U	30 U	30 U	30 U
1,2-Dichloropropane	µg/kg	20 U	20 U	20 U	20 U	20 U
1,3-Dichlorobenzene	µg/kg	20 U	20 U	20 U	20 U	20 U
1,3-Dichloropropane	µg/kg	50 U	50 U	50 U	50 U	50 U
1,4-Dichlorobenzene	µg/kg	20 U	20 U	20 U	20 U	20 U
2,2-Dichloropropane	µg/kg	50 U	50 U	50 U	50 U	50 U
2-Chlorotoluene	µg/kg	20 U	20 U	20 U	20 U	20 U
4-Chlorotoluene	µg/kg	20 U	20 U	20 U	20 U	20 U
Bromobenzene	µg/kg	30 U	30 U	30 U	30 U	30 U
Bromodichloromethane	µg/kg	20 U	20 U	20 U	20 U	20 U
Bromoform	µg/kg	20 U	20 U	20 U	20 U	20 U
Bromomethane	µg/kg	90 U	90 U	90 U	90 U	90 U
Carbon tetrachloride	µg/kg	20 U	20 U	20 U	20 U	20 U
Chlorobenzene	µg/kg	20 U	20 U	20 U	20 U	20 U
Chloroform	µg/kg	20 U	30	20 U	20 U	20 U
Chloromethane	µg/kg	60 U	60 U	60 U	60 U	60 U
cis-1,3-Dichloropropene	µg/kg	20 U	20 U	20 U	20 U	20 U
Dibromochloromethane	µg/kg	30 U	30 U	30 U	30 U	30 U
Dibromomethane	µg/kg	40 U	40 U	40 U	40 U	40 U
Dichlorodifluoromethane	µg/kg	60 U	60 U	60 U	60 U	60 U
trans-1,3-Dichloropropene	µg/kg	30 U	30 U	30 U	30 U	30 U
Trichlorofluoromethane	µg/kg	50 U	50 U	50 U	50 U	50 U
Total Petroleum Hydrocarbons						
Diesel #2	mg/kg	20 U	20 U	20 U	20 U	20 U
Gasoline	mg/kg	10 U	10 U	10 U	10 U	10 U
Gasoline Range Hydrocarbons	mg/kg	540	10 U	10 U	10 U	10 U
Lube Oil	mg/kg	50 U	50 U	50 U	50 U	50 U
Paraffin Oils	mg/kg	40 U	40 U	40 U	40 U	40 U

	Event	Fox-Ave Data Gaps Investigation Sampling (November - December 2008)				
	Location	GP-40	GP-40	GP-40	GP-40	GP-40
	SampleID	**GP-40 22-23**	**GP-40 29-30**	**GP-40 42-43**	**GP-40 50-51**	**GP-40 57-58**
	Depth (bgs)	22 - 23 ft	29 - 30 ft	42 - 43 ft	50 - 51 ft	57 - 58 ft
	Sample Date	12/12/2008	12/12/2008	12/12/2008	12/12/2008	12/12/2008
BTEX						
Benzene	µg/kg	20 U	20 U	40	20 U	20 U
Toluene	µg/kg	5200	5000	5800	1100	870
Ethylbenzene	µg/kg	11000	10000	1400	130	80
Xylene (total)	µg/kg	6500	6400	1900	260	140
Alkylated Benzenes						
1,3,5-Trimethylbenzene	µg/kg	5400	5200	30	20 U	20 U
n-Propylbenzene	µg/kg	3700	3600	20 U	20 U	20 U
1,2,4-Trimethylbenzene	µg/kg	20 U	20 U	20 U	20 U	20 U
Cymene	µg/kg	20 U	5000	20 U	20 U	20 U
iso-Propylbenzene	µg/kg	1100	1100	80 U	80 U	80 U
n-Butylbenzene	µg/kg	6000	5900	20 U	20 U	20 U
sec-Butylbenzene	µg/kg	4300	4200	20 U	20 U	20 U
Styrene	µg/kg	20 U	20 U	20 U	20 U	20 U
tert-Butylbenzene	µg/kg	420	200	20 U	20 U	20 U
Semivolatile Organic Compounds						
Naphthalene	µg/kg	160	180	30 U	30 U	30 U
Hexachlorobutadiene	µg/kg	100 U	100 U	100 U	100 U	100 U

	Event	Fox-Ave Data Gaps Investigation Sampling (November - December 2008)				
	Location	GP-40	GP-41	GP-41	GP-41	GP-41
	SampleID	**GP-40 59-60**	**GP-41 3.5-4**	**GP-41 5.4-6.4**	**GP-41 10-11**	**GP-41 13-14**
	Depth (bgs)	59 - 60 ft	3.5 - 4 ft	5.4 - 6.4 ft	10 - 11 ft	13 - 14 ft
	Sample Date	12/12/2008	12/17/2008	12/17/2008	12/17/2008	12/17/2008
Volatile Organic Compounds						
Tetrachloroethene	µg/kg	35000	1300	2100	130	190
Trichloroethene	µg/kg	16000	260	390	30 U	30 U
cis-1,2-Dichloroethene	µg/kg	2400	1600	1500	20 U	20 U
trans-1,2-Dichloroethene	µg/kg	20 U	60	30	20 U	20 U
1,1-Dichloroethene	µg/kg	50 U	50 U	50 U	50 U	50 U
Vinyl chloride	µg/kg	2 U	2 U	2 U	2 U	2 U
1,1,1,2-Tetrachloroethane	µg/kg	30 U	30 U	30 U	30 U	30 U
1,1,1-Trichloroethane	µg/kg	20 U	20 U	20 U	20 U	20 U
1,1,2,2-Tetrachloroethane	µg/kg	20 U	20 U	20 U	20 U	20 U
1,1,2-Trichloroethane	µg/kg	30 U	30 U	30 U	30 U	30 U
1,1-Dichloroethane	µg/kg	20 U	20 U	20 U	20 U	20 U
Chloroethane	µg/kg	60 U	60 U	60 U	60 U	60 U
Dichloromethane	µg/kg	20 U	20 U	20 U	20 U	20 U
1,1-Dichloropropene	µg/kg	20 U	20 U	20 U	20 U	20 U
1,2,3-Trichlorobenzene	µg/kg	1000 U	1000 U	1000 U	1000 U	1000 U
1,2,3-Trichloropropane	µg/kg	20 U	20 U	20 U	20 U	20 U
1,2,4-Trichlorobenzene	µg/kg	50 U	50 U	50 U	50 U	50 U
1,2-Dibromo-3-chloropropane	µg/kg	30 U	30 U	30 U	30 U	30 U
1,2-Dibromoethane	µg/kg	5 U	5 U	5 U	5 U	5 U
1,2-Dichlorobenzene	µg/kg	20 U	130	70	20 U	20 U
1,2-Dichloroethane	µg/kg	30 U	30 U	30 U	30 U	30 U
1,2-Dichloropropane	µg/kg	20 U	20 U	20 U	20 U	20 U
1,3-Dichlorobenzene	µg/kg	20 U	20 U	20 U	20 U	20 U
1,3-Dichloropropane	µg/kg	50 U	50 U	50 U	50 U	50 U
1,4-Dichlorobenzene	µg/kg	20 U	20 U	20 U	20 U	20 U
2,2-Dichloropropane	µg/kg	50 U	50 U	50 U	50 U	50 U
2-Chlorotoluene	µg/kg	20 U	20 U	20 U	20 U	20 U
4-Chlorotoluene	µg/kg	20 U	20 U	20 U	20 U	20 U
Bromobenzene	µg/kg	30 U	30 U	30 U	30 U	30 U
Bromodichloromethane	µg/kg	20 U	20 U	20 U	20 U	20 U
Bromoform	µg/kg	20 U	20 U	20 U	20 U	20 U
Bromomethane	µg/kg	90 U	90 U	90 U	90 U	90 U
Carbon tetrachloride	µg/kg	20 U	20 U	20 U	20 U	20 U
Chlorobenzene	µg/kg	20 U	20 U	20 U	20 U	20 U
Chloroform	µg/kg	20 U	20 U	20 U	20 U	20 U
Chloromethane	µg/kg	60 U	60 U	60 U	60 U	60 U
cis-1,3-Dichloropropene	µg/kg	20 U	20 U	20 U	20 U	20 U
Dibromochloromethane	µg/kg	30 U	30 U	30 U	30 U	30 U
Dibromomethane	µg/kg	40 U	40 U	40 U	40 U	40 U
Dichlorodifluoromethane	µg/kg	60 U	60 U	60 U	60 U	60 U
trans-1,3-Dichloropropene	µg/kg	30 U	30 U	30 U	30 U	30 U
Trichlorofluoromethane	µg/kg	50 U	50 U	50 U	50 U	50 U
Total Petroleum Hydrocarbons						
Diesel #2	mg/kg	20 U				
Gasoline	mg/kg	10 U				
Gasoline Range Hydrocarbons	mg/kg	10 U				
Lube Oil	mg/kg	50 U				
Paraffin Oils	mg/kg	40 U				

	Event	Fox-Ave Data Gaps Investigation Sampling (November - December 2008)				
	Location	GP-40	GP-41	GP-41	GP-41	GP-41
	SampleID	**GP-40 59-60**	**GP-41 3.5-4**	**GP-41 5.4-6.4**	**GP-41 10-11**	**GP-41 13-14**
	Depth (bgs)	59 - 60 ft	3.5 - 4 ft	5.4 - 6.4 ft	10 - 11 ft	13 - 14 ft
	Sample Date	12/12/2008	12/17/2008	12/17/2008	12/17/2008	12/17/2008
BTEX						
Benzene	µg/kg	20 U	20 U	20 U	20 U	20 U
Toluene	µg/kg	1600	30	80	20 U	20 U
Ethylbenzene	µg/kg	150	30 U	70	30 U	30 U
Xylene (total)	µg/kg	260	30 U	680	30 U	30 U
Alkylated Benzenes						
1,3,5-Trimethylbenzene	µg/kg	20 U	20 U	50	20 U	20 U
n-Propylbenzene	µg/kg	20 U	20 U	20 U	20 U	20 U
1,2,4-Trimethylbenzene	µg/kg	20 U	20 U	20 U	20 U	20 U
Cymene	µg/kg	20 U	20 U	150	20 U	20 U
iso-Propylbenzene	µg/kg	80 U	80 U	80 U	80 U	80 U
n-Butylbenzene	µg/kg	20 U	20 U	20 U	20 U	20 U
sec-Butylbenzene	µg/kg	20 U	20 U	20 U	20 U	20 U
Styrene	µg/kg	20 U	20 U	20 U	20 U	20 U
tert-Butylbenzene	µg/kg	20 U	20 U	20 U	20 U	20 U
Semivolatile Organic Compounds						
Naphthalene	µg/kg	30 U	30 U	30 U	30 U	30 U
Hexachlorobutadiene	µg/kg	100 U	100 U	100 U	100 U	100 U

	Event	Fox-Ave Data Gaps Investigation Sampling (November - December 2008)				
	Location	GP-41	GP-41	GP-41	GP-41	GP-41
	SampleID	**GP-41 14-15**	**GP-41 15-16**	**GP-41 16-16.8**	**GP-41 16.8-17.3**	**GP-41 17.3-19**
	Depth (bgs)	14 - 15 ft	15 - 16 ft	16 - 16.8 ft	16.8 - 17.3 ft	17.3 - 19 ft
	Sample Date	12/17/2008	12/17/2008	12/17/2008	12/17/2008	12/17/2008
Volatile Organic Compounds						
Tetrachloroethene	µg/kg	140	360	450	750	110
Trichloroethene	µg/kg	30 U	60	80	170	30 U
cis-1,2-Dichloroethene	µg/kg	20 U	1900	230	3100	5600
trans-1,2-Dichloroethene	µg/kg	20 U	20 U	20 U	20 U	20 U
1,1-Dichloroethene	µg/kg	50 U	50 U	50 U	50 U	50 U
Vinyl chloride	µg/kg	2 U	2 U	2 U	2 U	1300
1,1,1,2-Tetrachloroethane	µg/kg	30 U	30 U	30 U	30 U	30 U
1,1,1-Trichloroethane	µg/kg	20 U	20 U	20 U	20 U	20 U
1,1,2,2-Tetrachloroethane	µg/kg	20 U	20 U	20 U	20 U	20 U
1,1,2-Trichloroethane	µg/kg	30 U	30 U	30 U	30 U	30 U
1,1-Dichloroethane	µg/kg	20 U	20 U	20 U	20 U	20 U
Chloroethane	µg/kg	60 U	60 U	60 U	60 U	60 U
Dichloromethane	µg/kg	20 U	20 U	20 U	20 U	20 U
1,1-Dichloropropene	µg/kg	20 U	20 U	20 U	20 U	20 U
1,2,3-Trichlorobenzene	µg/kg	1000 U	1000 U	1000 U	1000 U	1000 U
1,2,3-Trichloropropane	µg/kg	20 U	20 U	20 U	20 U	20 U
1,2,4-Trichlorobenzene	µg/kg	50 U	50 U	50 U	50 U	50 U
1,2-Dibromo-3-chloropropane	µg/kg	30 U	30 U	30 U	30 U	30 U
1,2-Dibromoethane	µg/kg	5 U	5 U	5 U	5 U	5 U
1,2-Dichlorobenzene	µg/kg	20 U	1200	20	810	160
1,2-Dichloroethane	µg/kg	30 U	30 U	30 U	30 U	30 U
1,2-Dichloropropane	µg/kg	20 U	20 U	20 U	20 U	20 U
1,3-Dichlorobenzene	µg/kg	20 U	20 U	20 U	20 U	20 U
1,3-Dichloropropane	µg/kg	50 U	50 U	50 U	50 U	50 U
1,4-Dichlorobenzene	µg/kg	20 U	20 U	20 U	190	20 U
2,2-Dichloropropane	µg/kg	50 U	50 U	50 U	50 U	50 U
2-Chlorotoluene	µg/kg	20 U	20 U	20 U	20 U	20 U
4-Chlorotoluene	µg/kg	20 U	20 U	20 U	20 U	20 U
Bromobenzene	µg/kg	30 U	30 U	30 U	30 U	30 U
Bromodichloromethane	µg/kg	20 U	20 U	20 U	20 U	20 U
Bromoform	µg/kg	20 U	20 U	20 U	20 U	20 U
Bromomethane	µg/kg	90 U	90 U	90 U	90 U	90 U
Carbon tetrachloride	µg/kg	20 U	20 U	20 U	20 U	20 U
Chlorobenzene	µg/kg	20 U	20 U	20 U	20 U	20 U
Chloroform	µg/kg	20 U	20 U	20 U	20 U	20 U
Chloromethane	µg/kg	60 U	60 U	60 U	60 U	60 U
cis-1,3-Dichloropropene	µg/kg	20 U	20 U	20 U	20 U	20 U
Dibromochloromethane	µg/kg	30 U	30 U	30 U	30 U	30 U
Dibromomethane	µg/kg	40 U	40 U	40 U	40 U	40 U
Dichlorodifluoromethane	µg/kg	60 U	60 U	60 U	60 U	60 U
trans-1,3-Dichloropropene	µg/kg	30 U	30 U	30 U	30 U	30 U
Trichlorofluoromethane	µg/kg	50 U	50 U	50 U	50 U	50 U
BTEX						
Benzene	µg/kg	20 U	20 U	20 U	20 U	30
Toluene	µg/kg	20 U	490	60	950	1800
Ethylbenzene	µg/kg	30 U	480	30	750	2300
Xylene (total)	µg/kg	30 U	900	160	1400	1800
Alkylated Benzenes						

	Event	Fox-Ave Data Gaps Investigation Sampling (November - December 2008)				
	Location	GP-41	GP-41	GP-41	GP-41	GP-41
	SampleID	**GP-41 14-15**	**GP-41 15-16**	**GP-41 16-16.8**	**GP-41 16.8-17.3**	**GP-41 17.3-19**
	Depth (bgs)	14 - 15 ft	15 - 16 ft	16 - 16.8 ft	16.8 - 17.3 ft	17.3 - 19 ft
	Sample Date	12/17/2008	12/17/2008	12/17/2008	12/17/2008	12/17/2008
Alkylated Benzenes						
1,3,5-Trimethylbenzene	µg/kg	20 U	510	20	470	460
n-Propylbenzene	µg/kg	20 U	120	20 U	120	120
1,2,4-Trimethylbenzene	µg/kg	20 U	140	20 U	100 J	20
Cymene	µg/kg	20 U	20 U	20 U	150	380
iso-Propylbenzene	µg/kg	80 U	30	80 U	40 J	60 J
n-Butylbenzene	µg/kg	20 U	230	20 U	140	20 U
sec-Butylbenzene	µg/kg	20 U	20 U	20 U	100 J	20
Styrene	µg/kg	20 U	20 U	20 U	20 U	20 U
tert-Butylbenzene	µg/kg	20 U	20 U	20 U	20 U	20 U
Semivolatile Organic Compounds						
Naphthalene	µg/kg	30 U	230	280	140	30
Hexachlorobutadiene	µg/kg	100 U	100 U	100 U	100 U	100 U

	Event	Fox-Ave Data Gaps Investigation Sampling (November - December 2008)				
	Location	GP-41	GP-41	GP-41	GP-41	GP-41
	SampleID	**GP-41 19-20**	**GP-41 28.7-32**	**GP-41 34-35**	**GP-41 35-36**	**GP-41 36-37**
	Depth (bgs)	19 - 20 ft	28.7 - 32 ft	34 - 35 ft	35 - 36 ft	36 - 37 ft
	Sample Date	12/17/2008	12/17/2008	12/17/2008	12/17/2008	12/17/2008
Volatile Organic Compounds						
Tetrachloroethene	µg/kg	20 U	20 U	120	100	20 U
Trichloroethene	µg/kg	30 U	30 U	190	90	30 U
cis-1,2-Dichloroethene	µg/kg	20 U	20 U	90	130	20 U
trans-1,2-Dichloroethene	µg/kg	20 U	20 U	20 U	20 U	20 U
1,1-Dichloroethene	µg/kg	50 U	50 U	50 U	50 U	50 U
Vinyl chloride	µg/kg	90	2 U	2 U	2 U	2 U
1,1,1,2-Tetrachloroethane	µg/kg	30 U	30 U	30 U	30 U	30 U
1,1,1-Trichloroethane	µg/kg	20 U	20 U	20 U	20 U	20 U
1,1,2,2-Tetrachloroethane	µg/kg	20 U	20 U	20 U	20 U	20 U
1,1,2-Trichloroethane	µg/kg	30 U	30 U	30 U	30 U	30 U
1,1-Dichloroethane	µg/kg	20 U	20 U	20 U	20 U	20 U
Chloroethane	µg/kg	60 U	60 U	60 U	60 U	60 U
Dichloromethane	µg/kg	20 U	20 U	20 U	20 U	20 U
1,1-Dichloropropene	µg/kg	20 U	20 U	20 U	20 U	20 U
1,2,3-Trichlorobenzene	µg/kg	1000 U	1000 U	1000 U	1000 U	1000 U
1,2,3-Trichloropropane	µg/kg	20 U	20 U	20 U	20 U	20 U
1,2,4-Trichlorobenzene	µg/kg	50 U	50 U	50 U	50 U	50 U
1,2-Dibromo-3-chloropropane	µg/kg	30 U	30 U	30 U	30 U	30 U
1,2-Dibromoethane	µg/kg	5 U	5 U	5 U	5 U	5 U
1,2-Dichlorobenzene	µg/kg	20 U	20 U	20 U	20 U	20 U
1,2-Dichloroethane	µg/kg	30 U	30 U	30 U	30 U	30 U
1,2-Dichloropropane	µg/kg	20 U	20 U	20 U	20 U	20 U
1,3-Dichlorobenzene	µg/kg	20 U	20 U	20 U	20 U	20 U
1,3-Dichloropropane	µg/kg	50 U	50 U	50 U	50 U	50 U
1,4-Dichlorobenzene	µg/kg	20 U	20 U	20 U	20 U	20 U
2,2-Dichloropropane	µg/kg	50 U	50 U	50 U	50 U	50 U
2-Chlorotoluene	µg/kg	20 U	20 U	20 U	20 U	20 U
4-Chlorotoluene	µg/kg	20 U	20 U	20 U	20 U	20 U
Bromobenzene	µg/kg	30 U	30 U	30 U	30 U	30 U
Bromodichloromethane	µg/kg	20 U	20 U	20 U	20 U	20 U
Bromoform	µg/kg	20 U	20 U	20 U	20 U	20 U
Bromomethane	µg/kg	90 U	90 U	90 U	90 U	90 U
Carbon tetrachloride	µg/kg	20 U	20 U	20 U	20 U	20 U
Chlorobenzene	µg/kg	20 U	20 U	20 U	20 U	20 U
Chloroform	µg/kg	20 U	20 U	20 U	20 U	20 U
Chloromethane	µg/kg	60 U	60 U	60 U	60 U	60 U
cis-1,3-Dichloropropene	µg/kg	20 U	20 U	20 U	20 U	20 U
Dibromochloromethane	µg/kg	30 U	30 U	30 U	30 U	30 U
Dibromomethane	µg/kg	40 U	40 U	40 U	40 U	40 U
Dichlorodifluoromethane	µg/kg	60 U	60 U	60 U	60 U	60 U
trans-1,3-Dichloropropene	µg/kg	30 U	30 U	30 U	30 U	30 U
Trichlorofluoromethane	µg/kg	50 U	50 U	50 U	50 U	50 U
BTEX						
Benzene	µg/kg	20	20 U	20 U	20 U	20 U
Toluene	µg/kg	550	20 U	20 U	20 U	20 U
Ethylbenzene	µg/kg	1600	30 U	30 U	30 U	30 U
Xylene (total)	µg/kg	450	30 U	30 U	30 U	30 U
Alkylated Benzenes						

	Event	**Fox-Ave Data Gaps Investigation Sampling (November - December 2008)**				
	Location	GP-41	GP-41	GP-41	GP-41	GP-41
	SampleID	**GP-41 19-20**	**GP-41 28.7-32**	**GP-41 34-35**	**GP-41 35-36**	**GP-41 36-37**
	Depth (bgs)	19 - 20 ft	28.7 - 32 ft	34 - 35 ft	35 - 36 ft	36 - 37 ft
	Sample Date	12/17/2008	12/17/2008	12/17/2008	12/17/2008	12/17/2008
Alkylated Benzenes						
1,3,5-Trimethylbenzene	µg/kg	20 U	20 U	20 U	20 U	20 U
n-Propylbenzene	µg/kg	20 U	20 U	20 U	20 U	20 U
1,2,4-Trimethylbenzene	µg/kg	20 U	20 U	20 U	20 U	20 U
Cymene	µg/kg	20 U	20 U	20 U	20 U	20 U
iso-Propylbenzene	µg/kg	40 J	80 U	80 U	80 U	80 U
n-Butylbenzene	µg/kg	20 U	20 U	20 U	20 U	20 U
sec-Butylbenzene	µg/kg	20 U	20 U	20 U	20 U	20 U
Styrene	µg/kg	20 U	20 U	20 U	20 U	20 U
tert-Butylbenzene	µg/kg	20 U	20 U	20 U	20 U	20 U
Semivolatile Organic Compounds						
Naphthalene	µg/kg	40	30 U	30 U	30 U	30 U
Hexachlorobutadiene	µg/kg	100 U	100 U	100 U	100 U	100 U

	Event	Fox-Ave Data Gaps Investigation Sampling (November - December 2008)				
	Location	GP-41	GP-41	GP-41	GP-41	GP-41
	SampleID	**GP-41 43.6-44**	**GP-41 53-55**	**GP-41 55-56**	**GP-41 57.3-57.8**	**GP-41 57.8-58.7**
	Depth (bgs)	43.9 - 44 ft	53 - 55 ft	55 - 56 ft	57.3 - 57.8 ft	57.8 - 58.7 ft
	Sample Date	12/17/2008	12/17/2008	12/17/2008	12/17/2008	12/17/2008
Volatile Organic Compounds						
Tetrachloroethene	µg/kg	20 U	26000	63000	6700	6800
Trichloroethene	µg/kg	30 U	8100	15000	350	2800
cis-1,2-Dichloroethene	µg/kg	20	710	490	20 U	30
trans-1,2-Dichloroethene	µg/kg	20 U	20 U	20 U	20 U	20 U
1,1-Dichloroethene	µg/kg	50 U	50 U	50 U	50 U	50 U
Vinyl chloride	µg/kg	2 U	2 U	2 U	2 U	2 U
1,1,1,2-Tetrachloroethane	µg/kg	30 U	30 U	30 U	30 U	30 U
1,1,1-Trichloroethane	µg/kg	20 U	20 U	20 U	20 U	20 U
1,1,2,2-Tetrachloroethane	µg/kg	20 U	20 U	20 U	20 U	20 U
1,1,2-Trichloroethane	µg/kg	30 U	30 U	30 U	30 U	30 U
1,1-Dichloroethane	µg/kg	20 U	20 U	20 U	20 U	20 U
Chloroethane	µg/kg	60 U	60 U	60 U	60 U	60 U
Dichloromethane	µg/kg	20 U	20 U	20 U	20 U	20 U
1,1-Dichloropropene	µg/kg	20 U	20 U	20 U	20 U	20 U
1,2,3-Trichlorobenzene	µg/kg	1000 U	1000 U	1000 U	1000 U	1000 U
1,2,3-Trichloropropane	µg/kg	20 U	20 U	20 U	20 U	20 U
1,2,4-Trichlorobenzene	µg/kg	50 U	50 U	50 U	50 U	50 U
1,2-Dibromo-3-chloropropane	µg/kg	30 U	30 U	30 U	30 U	30 U
1,2-Dibromoethane	µg/kg	5 U	5 U	5 U	5 U	5 U
1,2-Dichlorobenzene	µg/kg	20 U	360	30	20 U	20 U
1,2-Dichloroethane	µg/kg	30 U	30 U	30 U	30 U	30 U
1,2-Dichloropropane	µg/kg	20 U	20 U	20 U	20 U	20 U
1,3-Dichlorobenzene	µg/kg	20 U	20 U	20 U	20 U	20 U
1,3-Dichloropropane	µg/kg	50 U	50 U	50 U	50 U	50 U
1,4-Dichlorobenzene	µg/kg	20 U	20 U	20 U	20 U	20 U
2,2-Dichloropropane	µg/kg	50 U	50 U	50 U	50 U	50 U
2-Chlorotoluene	µg/kg	20 U	20 U	20 U	20 U	20 U
4-Chlorotoluene	µg/kg	20 U	20 U	20 U	20 U	20 U
Bromobenzene	µg/kg	30 U	30 U	30 U	30 U	30 U
Bromodichloromethane	µg/kg	20 U	20 U	20 U	20 U	20 U
Bromoform	µg/kg	20 U	20 U	20 U	20 U	20 U
Bromomethane	µg/kg	90 U	90 U	90 U	90 U	90 U
Carbon tetrachloride	µg/kg	20 U	20 U	20 U	20 U	20 U
Chlorobenzene	µg/kg	20 U	20 U	20 U	20 U	20 U
Chloroform	µg/kg	20 U	20 U	20 U	20 U	20 U
Chloromethane	µg/kg	60 U	60 U	60 U	60 U	60 U
cis-1,3-Dichloropropene	µg/kg	20 U	20 U	20 U	20 U	20 U
Dibromochloromethane	µg/kg	30 U	30 U	30 U	30 U	30 U
Dibromomethane	µg/kg	40 U	40 U	40 U	40 U	40 U
Dichlorodifluoromethane	µg/kg	60 U	60 U	60 U	60 U	60 U
trans-1,3-Dichloropropene	µg/kg	30 U	30 U	30 U	30 U	30 U
Trichlorofluoromethane	µg/kg	50 U	50 U	50 U	50 U	50 U
BTEX						
Benzene	µg/kg	20 U	20 U	20 U	20 U	20 U
Toluene	µg/kg	20 U	650	400	170	220
Ethylbenzene	µg/kg	30 U	110	230	30 U	30 U
Xylene (total)	µg/kg	30 U	510	750	30 U	70
Alkylated Benzenes						

	Event	Fox-Ave Data Gaps Investigation Sampling (November - December 2008)				
	Location	GP-41	GP-41	GP-41	GP-41	GP-41
	SampleID	**GP-41 43.6-44**	**GP-41 53-55**	**GP-41 55-56**	**GP-41 57.3-57.8**	**GP-41 57.8-58.7**
	Depth (bgs)	43.9 - 44 ft	53 - 55 ft	55 - 56 ft	57.3 - 57.8 ft	57.8 - 58.7 ft
	Sample Date	12/17/2008	12/17/2008	12/17/2008	12/17/2008	12/17/2008
Alkylated Benzenes						
1,3,5-Trimethylbenzene	µg/kg	20 U	1500	240	130	50
n-Propylbenzene	µg/kg	20 U	480	80	40	20
1,2,4-Trimethylbenzene	µg/kg	20 U	20 U	20 U	20 U	20 U
Cymene	µg/kg	20 U	1800	50	20 U	20 U
iso-Propylbenzene	µg/kg	80 U	40 J	30 J	80 U	80 U
n-Butylbenzene	µg/kg	20 U	20 U	20 U	20 U	20 U
sec-Butylbenzene	µg/kg	20 U	20 U	20 U	20 U	20 U
Styrene	µg/kg	20 U	20 U	20 U	20 U	20 U
tert-Butylbenzene	µg/kg	20 U	580	110	20 U	20 U
Semivolatile Organic Compounds						
Naphthalene	µg/kg	30 U	30 U	110	80	30
Hexachlorobutadiene	µg/kg	100 U	100 U	100 U	100 U	100 U

	Event	Fox-Ave Data Gaps Investigation Sampling (November - December 2008)				
	Location	GP-41	GP-41	GP-41	GP-41	GP-41
	SampleID	**GP-41 58.7-59.1**	**GP-41 59.1-60**	**GP-41 61-62.5**	**GP-41 62.5-64**	**GP-41 66-67**
	Depth (bgs)	58.7 - 59.1 ft	59.1 - 60 ft	61 - 62.5 ft	62.5 - 64 ft	66 - 67 ft
	Sample Date	12/17/2008	12/17/2008	12/17/2008	12/17/2008	12/17/2008
Volatile Organic Compounds						
Tetrachloroethene	µg/kg	7600	4300	20 U	20 U	20 U
Trichloroethene	µg/kg	3200	9500	1700	30 U	30 U
cis-1,2-Dichloroethene	µg/kg	40	220	110	20 U	20 U
trans-1,2-Dichloroethene	µg/kg	20 U	40	20 U	20 U	20 U
1,1-Dichloroethene	µg/kg	50 U	50 U	90	50 U	50 U
Vinyl chloride	µg/kg	2 U	2 U	2 U	2 U	2 U
1,1,1,2-Tetrachloroethane	µg/kg	30 U	30 U	30 U	30 U	30 U
1,1,1-Trichloroethane	µg/kg	20 U	20 U	20 U	20 U	20 U
1,1,2,2-Tetrachloroethane	µg/kg	20 U	20 U	20 U	20 U	20 U
1,1,2-Trichloroethane	µg/kg	30 U	30 U	30 U	30 U	30 U
1,1-Dichloroethane	µg/kg	20 U	20 U	20 U	20 U	20 U
Chloroethane	µg/kg	60 U	60 U	60 U	60 U	60 U
Dichloromethane	µg/kg	20 U	20 U	20 U	20 U	20 U
1,1-Dichloropropene	µg/kg	20 U	20 U	20 U	20 U	20 U
1,2,3-Trichlorobenzene	µg/kg	1000 U	1000 U	1000 U	1000 U	1000 U
1,2,3-Trichloropropane	µg/kg	20 U	20 U	20 U	20 U	20 U
1,2,4-Trichlorobenzene	µg/kg	50 U	50 U	50 U	50 U	50 U
1,2-Dibromo-3-chloropropane	µg/kg	30 U	30 U	30 U	30 U	30 U
1,2-Dibromoethane	µg/kg	5 U	5 U	5 U	5 U	5 U
1,2-Dichlorobenzene	µg/kg	20 U	20 U	20 U	20 U	20 U
1,2-Dichloroethane	µg/kg	30 U	30 U	30 U	30 U	30 U
1,2-Dichloropropane	µg/kg	20 U	20 U	20 U	20 U	20 U
1,3-Dichlorobenzene	µg/kg	20 U	20 U	20 U	20 U	20 U
1,3-Dichloropropane	µg/kg	50 U	50 U	50 U	50 U	50 U
1,4-Dichlorobenzene	µg/kg	20 U	20 U	20 U	20 U	20 U
2,2-Dichloropropane	µg/kg	50 U	50 U	50 U	50 U	50 U
2-Chlorotoluene	µg/kg	20 U	20 U	20 U	20 U	20 U
4-Chlorotoluene	µg/kg	20 U	20 U	20 U	20 U	20 U
Bromobenzene	µg/kg	30 U	30 U	30 U	30 U	30 U
Bromodichloromethane	µg/kg	20 U	20 U	20 U	20 U	20 U
Bromoform	µg/kg	20 U	20 U	20 U	20 U	20 U
Bromomethane	µg/kg	90 U	90 U	90 U	90 U	90 U
Carbon tetrachloride	µg/kg	20 U	20 U	20 U	20 U	20 U
Chlorobenzene	µg/kg	20 U	20 U	20 U	20 U	20 U
Chloroform	µg/kg	20 U	20 U	20 U	20 U	20 U
Chloromethane	µg/kg	60 U	60 U	60 U	60 U	60 U
cis-1,3-Dichloropropene	µg/kg	20 U	20 U	20 U	20 U	20 U
Dibromochloromethane	µg/kg	30 U	30 U	30 U	30 U	30 U
Dibromomethane	µg/kg	40 U	40 U	40 U	40 U	40 U
Dichlorodifluoromethane	µg/kg	60 U	60 U	60 U	60 U	60 U
trans-1,3-Dichloropropene	µg/kg	30 U	30 U	30 U	30 U	30 U
Trichlorofluoromethane	µg/kg	50 U	50 U	50 U	50 U	50 U
BTEX						
Benzene	µg/kg	20 U	20 U	20 U	20 U	20 U
Toluene	µg/kg	240	30	20 U	20 U	20 U
Ethylbenzene	µg/kg	30 U	30 U	30 U	30 U	30 U
Xylene (total)	µg/kg	80	100	30 U	30 U	30 U
Alkylated Benzenes						

	Event	**Fox-Ave Data Gaps Investigation Sampling (November - December 2008)**				
	Location	GP-41	GP-41	GP-41	GP-41	GP-41
	SampleID	**GP-41 58.7-59.1**	**GP-41 59.1-60**	**GP-41 61-62.5**	**GP-41 62.5-64**	**GP-41 66-67**
	Depth (bgs)	58.7 - 59.1 ft	59.1 - 60 ft	61 - 62.5 ft	62.5 - 64 ft	66 - 67 ft
	Sample Date	12/17/2008	12/17/2008	12/17/2008	12/17/2008	12/17/2008
Alkylated Benzenes						
1,3,5-Trimethylbenzene	µg/kg	20 U	20 U	20 U	20 U	20 U
n-Propylbenzene	µg/kg	20 U	20 U	20 U	20 U	20 U
1,2,4-Trimethylbenzene	µg/kg	20 U	20 U	20 U	20 U	20 U
Cymene	µg/kg	20 U	20 U	20 U	20 U	20 U
iso-Propylbenzene	µg/kg	80 U	80 U	80 U	80 U	80 U
n-Butylbenzene	µg/kg	20 U	20 U	20 U	20 U	20 U
sec-Butylbenzene	µg/kg	20 U	20 U	20 U	20 U	20 U
Styrene	µg/kg	20 U	20 U	20 U	20 U	20 U
tert-Butylbenzene	µg/kg	20 U	20 U	20 U	20 U	20 U
Semivolatile Organic Compounds						
Naphthalene	µg/kg	30 U	30 U	30 U	30 U	30 U
Hexachlorobutadiene	µg/kg	100 U	100 U	100 U	100 U	100 U

	Event	Fox-Ave Data Gaps Investigation Sampling (November - December 2008)				
	Location	GP-41	GP-42	GP-42	GP-42	GP-42
	SampleID	**GP-41 67-68**	**GP-42 10.5-11**	**GP-42 15-16**	**GP-42 25-26**	**GP-42 59-60**
	Depth (bgs)	67 - 68 ft	10.5 - 11 ft	15 - 16 ft	25 - 26 ft	59 - 60 ft
	Sample Date	12/17/2008	12/11/2008	12/11/2008	12/11/2008	12/11/2008
Volatile Organic Compounds						
Tetrachloroethene	µg/kg	20 U	1200	500	20 U	20 U
Trichloroethene	µg/kg	30 U	70	90	30 U	2200
cis-1,2-Dichloroethene	µg/kg	20 U	20 U	40	20 U	9500
trans-1,2-Dichloroethene	µg/kg	20 U	20 U	20 U	20 U	50
1,1-Dichloroethene	µg/kg	50 U	50 U	50 U	50 U	50 U
Vinyl chloride	µg/kg	2 U	2 U	2 U	2 U	2 U
1,1,1,2-Tetrachloroethane	µg/kg	30 U	30 U	30 U	30 U	30 U
1,1,1-Trichloroethane	µg/kg	20 U	20 U	20 U	20 U	20 U
1,1,2,2-Tetrachloroethane	µg/kg	20 U	20 U	20 U	20 U	20 U
1,1,2-Trichloroethane	µg/kg	30 U	30 U	30 U	30 U	30 U
1,1-Dichloroethane	µg/kg	20 U	20 U	20 U	20 U	20 U
Chloroethane	µg/kg	60 U	60 U	60 U	60 U	60 U
Dichloromethane	µg/kg	20 U	20 U	20 U	20 U	20 U
1,1-Dichloropropene	µg/kg	20 U	20 U	20 U	20 U	20 U
1,2,3-Trichlorobenzene	µg/kg	1000 U	1000 U	1000 U	1000 U	1000 U
1,2,3-Trichloropropane	µg/kg	20 U	20 U	20 U	20 U	20 U
1,2,4-Trichlorobenzene	µg/kg	50 U	50 U	50 U	50 U	50 U
1,2-Dibromo-3-chloropropane	µg/kg	30 U	30 U	30 U	30 U	30 U
1,2-Dibromoethane	µg/kg	5 U	5 U	5 U	5 U	5 U
1,2-Dichlorobenzene	µg/kg	20 U	20 U	20 U	20 U	20 U
1,2-Dichloroethane	µg/kg	30 U	30 U	30 U	30 U	30 U
1,2-Dichloropropane	µg/kg	20 U	20 U	20 U	20 U	20 U
1,3-Dichlorobenzene	µg/kg	20 U	20 U	20 U	20 U	20 U
1,3-Dichloropropane	µg/kg	50 U	50 U	50 U	50 U	50 U
1,4-Dichlorobenzene	µg/kg	20 U	20 U	20 U	20 U	20 U
2,2-Dichloropropane	µg/kg	50 U	50 U	50 U	50 U	50 U
2-Chlorotoluene	µg/kg	20 U	20 U	20 U	20 U	20 U
4-Chlorotoluene	µg/kg	20 U	20 U	20 U	20 U	20 U
Bromobenzene	µg/kg	30 U	30 U	30 U	30 U	30 U
Bromodichloromethane	µg/kg	20 U	20 U	20 U	20 U	20 U
Bromoform	µg/kg	20 U	20 U	20 U	20 U	20 U
Bromomethane	µg/kg	90 U	90 U	90 U	90 U	90 U
Carbon tetrachloride	µg/kg	20 U	20 U	20 U	20 U	20 U
Chlorobenzene	µg/kg	20 U	20 U	20 U	20 U	20 U
Chloroform	µg/kg	20 U	20 U	20 U	20 U	20 U
Chloromethane	µg/kg	60 U	60 U	60 U	60 U	60 U
cis-1,3-Dichloropropene	µg/kg	20 U	20 U	20 U	20 U	20 U
Dibromochloromethane	µg/kg	30 U	30 U	30 U	30 U	30 U
Dibromomethane	µg/kg	40 U	40 U	40 U	40 U	40 U
Dichlorodifluoromethane	µg/kg	60 U	60 U	60 U	60 U	60 U
trans-1,3-Dichloropropene	µg/kg	30 U	30 U	30 U	30 U	30 U
Trichlorofluoromethane	µg/kg	50 U	50 U	50 U	50 U	50 U
BTEX						
Benzene	µg/kg	20 U	20 U	20 U	20 U	20 U
Toluene	µg/kg	20 U	20 U	20 U	20 U	80
Ethylbenzene	µg/kg	30 U	30 U	30 U	30 U	210
Xylene (total)	µg/kg	30 U	30 U	30 U	30 U	150
Alkylated Benzenes						

	Event	**Fox-Ave Data Gaps Investigation Sampling (November - December 2008)**				
	Location	GP-41	GP-42	GP-42	GP-42	GP-42
	SampleID	**GP-41 67-68**	**GP-42 10.5-11**	**GP-42 15-16**	**GP-42 25-26**	**GP-42 59-60**
	Depth (bgs)	67 - 68 ft	10.5 - 11 ft	15 - 16 ft	25 - 26 ft	59 - 60 ft
	Sample Date	12/17/2008	12/11/2008	12/11/2008	12/11/2008	12/11/2008
Alkylated Benzenes						
1,3,5-Trimethylbenzene	µg/kg	20 U	20 U	20 U	20 U	20 U
n-Propylbenzene	µg/kg	20 U	20 U	20 U	20 U	20 U
1,2,4-Trimethylbenzene	µg/kg	20 U	20 U	20 U	20 U	20 U
Cymene	µg/kg	20 U	20 U	20 U	20 U	20 U
iso-Propylbenzene	µg/kg	80 U	80 U	80 U	80 U	80 U
n-Butylbenzene	µg/kg	20 U	20 U	20 U	20 U	20 U
sec-Butylbenzene	µg/kg	20 U	20 U	20 U	20 U	20 U
Styrene	µg/kg	20 U	20 U	20 U	20 U	20 U
tert-Butylbenzene	µg/kg	20 U	20 U	20 U	20 U	20 U
Semivolatile Organic Compounds						
Naphthalene	µg/kg	30 U	30 U	30 U	30 U	30 U
Hexachlorobutadiene	µg/kg	100 U	100 U	100 U	100 U	100 U

	Event	Fox-Ave Data Gaps Investigation Sampling (November - December 2008)				
	Location	GP-42	GP-42	GP-51	GP-51	GP-51
	SampleID	**GP-42 61-61.5**	**GP-42 63.5-64**	**GP-51 6-7**	**GP-51 7-8**	**GP-51 9.5-10.5**
	Depth (bgs)	61 - 61.5 ft	63.5 - 64 ft	6 - 7 ft	7 - 8 ft	9.5 - 10.5 ft
	Sample Date	12/11/2008	12/11/2008	12/08/2008	12/08/2008	12/08/2008
Volatile Organic Compounds						
Tetrachloroethene	µg/kg	15000	17000	110	120	60
Trichloroethene	µg/kg	8000	9100	30 U	30 U	30 U
cis-1,2-Dichloroethene	µg/kg	2500	2700	20 U	20 U	20 U
trans-1,2-Dichloroethene	µg/kg	30	30	20 U	20 U	20 U
1,1-Dichloroethene	µg/kg	50 U	50 U	50 U	50 U	50 U
Vinyl chloride	µg/kg	10	10	2 U	2 U	2 U
1,1,1,2-Tetrachloroethane	µg/kg	30 U	30 U	30 U	30 U	30 U
1,1,1-Trichloroethane	µg/kg	20 U	20 U	20 U	20 U	20 U
1,1,2,2-Tetrachloroethane	µg/kg	20 U	20 U	20 U	20 U	20 U
1,1,2-Trichloroethane	µg/kg	30 U	30 U	30 U	30 U	30 U
1,1-Dichloroethane	µg/kg	20 U	20 U	20 U	20 U	20 U
Chloroethane	µg/kg	60 U	60 U	60 U	60 U	60 U
Dichloromethane	µg/kg	20 U	20 U	20 U	20 U	20 U
1,1-Dichloropropene	µg/kg	20 U	20 U	20 U	20 U	20 U
1,2,3-Trichlorobenzene	µg/kg	1000 U	1000 U	1000 U	1000 U	1000 U
1,2,3-Trichloropropane	µg/kg	20 U	20 U	20 U	20 U	20 U
1,2,4-Trichlorobenzene	µg/kg	50 U	50 U	50 U	50 U	50 U
1,2-Dibromo-3-chloropropane	µg/kg	30 U	30 U	30 U	30 U	30 U
1,2-Dibromoethane	µg/kg	5 U	5 U	5 U	5 U	5 U
1,2-Dichlorobenzene	µg/kg	20 U	20 U	20 U	20 U	20 U
1,2-Dichloroethane	µg/kg	30 U	30 U	30 U	30 U	30 U
1,2-Dichloropropane	µg/kg	20 U	20 U	20 U	20 U	20 U
1,3-Dichlorobenzene	µg/kg	20 U	20 U	20 U	20 U	20 U
1,3-Dichloropropane	µg/kg	50 U	50 U	50 U	50 U	50 U
1,4-Dichlorobenzene	µg/kg	20 U	20 U	20 U	20 U	20 U
2,2-Dichloropropane	µg/kg	50 U	50 U	50 U	50 U	50 U
2-Chlorotoluene	µg/kg	20 U	20 U	20 U	20 U	20 U
4-Chlorotoluene	µg/kg	20 U	20 U	20 U	20 U	20 U
Bromobenzene	µg/kg	30 U	30 U	30 U	30 U	30 U
Bromodichloromethane	µg/kg	20 U	20 U	20 U	20 U	20 U
Bromoform	µg/kg	20 U	20 U	20 U	20 U	20 U
Bromomethane	µg/kg	90 U	90 U	90 U	90 U	90 U
Carbon tetrachloride	µg/kg	20 U	20 U	20 U	20 U	20 U
Chlorobenzene	µg/kg	20 U	20 U	20 U	20 U	20 U
Chloroform	µg/kg	20 U	20 U	20 U	20 U	20 U
Chloromethane	µg/kg	60 U	60 U	60 U	60 U	60 U
cis-1,3-Dichloropropene	µg/kg	20 U	20 U	20 U	20 U	20 U
Dibromochloromethane	µg/kg	30 U	30 U	30 U	30 U	30 U
Dibromomethane	µg/kg	40 U	40 U	40 U	40 U	40 U
Dichlorodifluoromethane	µg/kg	60 U	60 U	60 U	60 U	60 U
trans-1,3-Dichloropropene	µg/kg	30 U	30 U	30 U	30 U	30 U
Trichlorofluoromethane	µg/kg	50 U	50 U	50 U	50 U	50 U
BTEX						
Benzene	µg/kg	20 U	20 U	20 U	20 U	20 U
Toluene	µg/kg	90	95	20 U	20 U	20 U
Ethylbenzene	µg/kg	90	30 U	30 U	30 U	30 U
Xylene (total)	µg/kg	100	30 U	30 U	30 U	30 U
Alkylated Benzenes						

	Event	Fox-Ave Data Gaps Investigation Sampling (November - December 2008)				
	Location	GP-42	GP-42	GP-51	GP-51	GP-51
	SampleID	**GP-42 61-61.5**	**GP-42 63.5-64**	**GP-51 6-7**	**GP-51 7-8**	**GP-51 9.5-10.5**
	Depth (bgs)	61 - 61.5 ft	63.5 - 64 ft	6 - 7 ft	7 - 8 ft	9.5 - 10.5 ft
	Sample Date	12/11/2008	12/11/2008	12/08/2008	12/08/2008	12/08/2008
Alkylated Benzenes						
1,3,5-Trimethylbenzene	µg/kg	20 U	20 U	20 U	20 U	20 U
n-Propylbenzene	µg/kg	20 U	20 U	20 U	20 U	20 U
1,2,4-Trimethylbenzene	µg/kg	20 U	20 U	20 U	20 U	20 U
Cymene	µg/kg	20 U	20 U	20 U	20 U	20 U
iso-Propylbenzene	µg/kg	80 U	80 U	80 U	80 U	80 U
n-Butylbenzene	µg/kg	20 U	20 U	20 U	20 U	20 U
sec-Butylbenzene	µg/kg	20 U	20 U	20 U	20 U	20 U
Styrene	µg/kg	20 U	20 U	20 U	20 U	20 U
tert-Butylbenzene	µg/kg	20 U	20 U	20 U	20 U	20 U
Semivolatile Organic Compounds						
Naphthalene	µg/kg	30 U	30 U	30 U	30 U	30 U
Hexachlorobutadiene	µg/kg	100 U	100 U	100 U	100 U	100 U

	Event	Fox-Ave Data Gaps Investigation Sampling (November - December 2008)				
	Location	GP-51	GP-51	GP-51	GP-51	GP-51
	SampleID	**GP-51 14.25-14.5**	**GP-51 25-26**	**GP-51 31-32**	**GP-51 42-43**	**GP-52 51.5-52**
	Depth (bgs)	14.25 - 14.5 ft	25 - 26 ft	31 - 32 ft	42 - 43 ft	51.5 - 52 ft
	Sample Date	12/08/2008	12/08/2008	12/08/2008	12/08/2008	12/08/2008
Volatile Organic Compounds						
Tetrachloroethene	µg/kg	130	20 U	20 U	20 U	100
Trichloroethene	µg/kg	30 U	30 U	30 U	550	700
cis-1,2-Dichloroethene	µg/kg	20 U	20 U	20 U	570	1200
trans-1,2-Dichloroethene	µg/kg	20 U	20 U	20 U	20 U	20 U
1,1-Dichloroethene	µg/kg	50 U	50 U	50 U	50 U	50 U
Vinyl chloride	µg/kg	2 U	2 U	2 U	2 U	2 U
1,1,1,2-Tetrachloroethane	µg/kg	30 U	30 U	30 U	30 U	30 U
1,1,1-Trichloroethane	µg/kg	20 U	20 U	20 U	20 U	20 U
1,1,2,2-Tetrachloroethane	µg/kg	20 U	20 U	20 U	20 U	20 U
1,1,2-Trichloroethane	µg/kg	30 U	30 U	30 U	30 U	30 U
1,1-Dichloroethane	µg/kg	20 U	20 U	20 U	20 U	20 U
Chloroethane	µg/kg	60 U	60 U	60 U	60 U	60 U
Dichloromethane	µg/kg	20 U	20 U	20 U	20 U	20 U
1,1-Dichloropropene	µg/kg	20 U	20 U	20 U	20 U	20 U
1,2,3-Trichlorobenzene	µg/kg	1000 U	1000 U	1000 U	1000 U	1000 U
1,2,3-Trichloropropane	µg/kg	20 U	20 U	20 U	20 U	20 U
1,2,4-Trichlorobenzene	µg/kg	50 U	50 U	50 U	50 U	50 U
1,2-Dibromo-3-chloropropane	µg/kg	30 U	30 U	30 U	30 U	30 U
1,2-Dibromoethane	µg/kg	5 U	5 U	5 U	5 U	5 U
1,2-Dichlorobenzene	µg/kg	20 U	20 U	20 U	20 U	20 U
1,2-Dichloroethane	µg/kg	30 U	30 U	30 U	30 U	30 U
1,2-Dichloropropane	µg/kg	20 U	20 U	20 U	20 U	20 U
1,3-Dichlorobenzene	µg/kg	20 U	20 U	20 U	20 U	20 U
1,3-Dichloropropane	µg/kg	50 U	50 U	50 U	50 U	50 U
1,4-Dichlorobenzene	µg/kg	20 U	20 U	20 U	20 U	20 U
2,2-Dichloropropane	µg/kg	50 U	50 U	50 U	50 U	50 U
2-Chlorotoluene	µg/kg	20 U	20 U	20 U	20 U	20 U
4-Chlorotoluene	µg/kg	20 U	20 U	20 U	20 U	20 U
Bromobenzene	µg/kg	30 U	30 U	30 U	30 U	30 U
Bromodichloromethane	µg/kg	20 U	20 U	20 U	20 U	20 U
Bromoform	µg/kg	20 U	20 U	20 U	20 U	20 U
Bromomethane	µg/kg	90 U	90 U	90 U	90 U	90 U
Carbon tetrachloride	µg/kg	20 U	20 U	20 U	20 U	20 U
Chlorobenzene	µg/kg	20 U	20 U	20 U	20 U	20 U
Chloroform	µg/kg	20 U	20 U	20 U	20 U	20 U
Chloromethane	µg/kg	60 U	60 U	60 U	60 U	60 U
cis-1,3-Dichloropropene	µg/kg	20 U	20 U	20 U	20 U	20 U
Dibromochloromethane	µg/kg	30 U	30 U	30 U	30 U	30 U
Dibromomethane	µg/kg	40 U	40 U	40 U	40 U	40 U
Dichlorodifluoromethane	µg/kg	60 U	60 U	60 U	60 U	60 U
trans-1,3-Dichloropropene	µg/kg	30 U	30 U	30 U	30 U	30 U
Trichlorofluoromethane	µg/kg	50 U	50 U	50 U	50 U	50 U
BTEX						
Benzene	µg/kg	20 U	20 U	20 U	20 U	20 U
Toluene	µg/kg	20 U	20 U	20 U	20 U	20 U
Ethylbenzene	µg/kg	30 U	30 U	30 U	30 U	30 U
Xylene (total)	µg/kg	30 U	30 U	30 U	30 U	30 U
Alkylated Benzenes						

	Event	Fox-Ave Data Gaps Investigation Sampling (November - December 2008)				
	Location	GP-51	GP-51	GP-51	GP-51	GP-51
	SampleID	**GP-51 14.25-14.5**	**GP-51 25-26**	**GP-51 31-32**	**GP-51 42-43**	**GP-52 51.5-52**
	Depth (bgs)	14.25 - 14.5 ft	25 - 26 ft	31 - 32 ft	42 - 43 ft	51.5 - 52 ft
	Sample Date	12/08/2008	12/08/2008	12/08/2008	12/08/2008	12/08/2008
Alkylated Benzenes						
1,3,5-Trimethylbenzene	µg/kg	20 U	20 U	20 U	20 U	20 U
n-Propylbenzene	µg/kg	20 U	20 U	20 U	20 U	20 U
1,2,4-Trimethylbenzene	µg/kg	20 U	20 U	20 U	20 U	20 U
Cymene	µg/kg	20 U	20 U	20 U	20 U	20 U
iso-Propylbenzene	µg/kg	80 U	80 U	80 U	80 U	80 U
n-Butylbenzene	µg/kg	20 U	20 U	20 U	20 U	20 U
sec-Butylbenzene	µg/kg	20 U	20 U	20 U	20 U	20 U
Styrene	µg/kg	20 U	20 U	20 U	20 U	20 U
tert-Butylbenzene	µg/kg	20 U	20 U	20 U	20 U	20 U
Semivolatile Organic Compounds						
Naphthalene	µg/kg	30 U	30 U	30 U	30 U	30 U
Hexachlorobutadiene	µg/kg	100 U	100 U	100 U	100 U	100 U

	Event	Fox-Ave Data Gaps Investigation Sampling (November - December 2008)				
	Location	GP-53	GP-53	GP-53	GP-54	GP-54
	SampleID	**GP-53 7-8**	**GP-53 14.75-15.25**	**GP-53 18-19**	**GP-54 3-4**	**GP-54 9.75-10.25**
	Depth (bgs)	7 - 8 ft	14.75 - 15.25 ft	18 - 19 ft	3 - 4 ft	9.75 - 10.25 ft
	Sample Date	12/10/2008	12/10/2008	12/10/2008	12/10/2008	12/10/2008
Volatile Organic Compounds						
Tetrachloroethene	µg/kg	550	20 U	20 U	28000	550
Trichloroethene	µg/kg	53.5	30 U	30 U	230	30 U
cis-1,2-Dichloroethene	µg/kg	20 U	20 U	1700	20 U	20 U
trans-1,2-Dichloroethene	µg/kg	20 U	20 U	20 U	20 U	20 U
1,1-Dichloroethene	µg/kg	50 U	50 U	50 U	50 U	50 U
Vinyl chloride	µg/kg	2 U	2000	2 U	2 U	2 U
1,1,1,2-Tetrachloroethane	µg/kg	30 U	30 U	30 U	30 U	30 U
1,1,1-Trichloroethane	µg/kg	20 U	20 U	20 U	20 U	20 U
1,1,2,2-Tetrachloroethane	µg/kg	20 U	20 U	20 U	20 U	20 U
1,1,2-Trichloroethane	µg/kg	30 U	30 U	30 U	305	30 U
1,1-Dichloroethane	µg/kg	20 U	20 U	20 U	20 U	20 U
Chloroethane	µg/kg	60 U	60 U	60 U	60 U	60 U
Dichloromethane	µg/kg	20 U	20 U	20 U	20 U	20 U
1,1-Dichloropropene	µg/kg	20 U	20 U	20 U	20 U	20 U
1,2,3-Trichlorobenzene	µg/kg	1000 U	1000 U	1000 U	1000 U	1000 U
1,2,3-Trichloropropane	µg/kg	20 U	20 U	20 U	20 U	20 U
1,2,4-Trichlorobenzene	µg/kg	50 U	50 U	50 U	50 U	50 U
1,2-Dibromo-3-chloropropane	µg/kg	30 U	30 U	30 U	30 U	30 U
1,2-Dibromoethane	µg/kg	5 U	5 U	5 U	5 U	5 U
1,2-Dichlorobenzene	µg/kg	20 U	20 U	20 U	20 U	20 U
1,2-Dichloroethane	µg/kg	30 U	30 U	30 U	30 U	30 U
1,2-Dichloropropane	µg/kg	20 U	20 U	20 U	20 U	20 U
1,3-Dichlorobenzene	µg/kg	20 U	20 U	20 U	20 U	20 U
1,3-Dichloropropane	µg/kg	50 U	50 U	50 U	50 U	50 U
1,4-Dichlorobenzene	µg/kg	20 U	20 U	20 U	20 U	20 U
2,2-Dichloropropane	µg/kg	50 U	50 U	50 U	50 U	50 U
2-Chlorotoluene	µg/kg	20 U	20 U	20 U	20 U	20 U
4-Chlorotoluene	µg/kg	20 U	20 U	20 U	20 U	20 U
Bromobenzene	µg/kg	30 U	30 U	30 U	30 U	30 U
Bromodichloromethane	µg/kg	20 U	20 U	20 U	20 U	20 U
Bromoform	µg/kg	20 U	20 U	20 U	20 U	20 U
Bromomethane	µg/kg	90 U	90 U	90 U	90 U	90 U
Carbon tetrachloride	µg/kg	20 U	20 U	20 U	20 U	20 U
Chlorobenzene	µg/kg	20 U	20 U	20 U	20 U	20 U
Chloroform	µg/kg	20 U	20 U	20 U	20 U	20 U
Chloromethane	µg/kg	60 U	60 U	60 U	60 U	60 U
cis-1,3-Dichloropropene	µg/kg	20 U	20 U	20 U	20 U	20 U
Dibromochloromethane	µg/kg	30 U	30 U	30 U	30 U	30 U
Dibromomethane	µg/kg	40 U	40 U	40 U	40 U	40 U
Dichlorodifluoromethane	µg/kg	60 U	60 U	60 U	60 U	60 U
trans-1,3-Dichloropropene	µg/kg	30 U	30 U	30 U	30 U	30 U
Trichlorofluoromethane	µg/kg	50 U	50 U	50 U	50 U	50 U
BTEX						
Benzene	µg/kg	20 U	20 U	20 U	20 U	20 U
Toluene	µg/kg	20 U	165	155	20 U	20 U
Ethylbenzene	µg/kg	30 U	295	70	30 U	30 U
Xylene (total)	µg/kg	30 U	400	125	30 U	30 U

	Event	Fox-Ave Data Gaps Investigation Sampling (November - December 2008)				
	Location	GP-53	GP-53	GP-53	GP-54	GP-54
	SampleID	**GP-53 7-8**	**GP-53 14.75-15.25**	**GP-53 18-19**	**GP-54 3-4**	**GP-54 9.75-10.25**
	Depth (bgs)	7 - 8 ft	14.75 - 15.25 ft	18 - 19 ft	3 - 4 ft	9.75 - 10.25 ft
	Sample Date	12/10/2008	12/10/2008	12/10/2008	12/10/2008	12/10/2008
Alkylated Benzenes						
1,3,5-Trimethylbenzene	µg/kg	20 U	20 U	20 U	20 U	20 U
n-Propylbenzene	µg/kg	20 U	20 U	20 U	20 U	20 U
1,2,4-Trimethylbenzene	µg/kg	20 U	20 U	20 U	20 U	20 U
Cymene	µg/kg	20 U	20 U	20 U	20 U	20 U
iso-Propylbenzene	µg/kg	80 U	80 U	80 U	80 U	80 U
n-Butylbenzene	µg/kg	20 U	20 U	20 U	20 U	20 U
sec-Butylbenzene	µg/kg	20 U	20 U	20 U	20 U	20 U
Styrene	µg/kg	20 U	20 U	20 U	20 U	20 U
tert-Butylbenzene	µg/kg	20 U	20 U	20 U	20 U	20 U
Semivolatile Organic Compounds						
Naphthalene	µg/kg	30 U	30 U	30 U	30 U	30 U
Hexachlorobutadiene	µg/kg	100 U	100 U	100 U	100 U	100 U

	Event	Fox-Ave Data Gaps Investigation Sampling (November - December 2008)				
	Location	GP-54	GP-54	GP-54	GP-55	GP-55
	SampleID	**GP-54 13.75**	**GP-54 14-14.5**	**GP-54 15-16**	**GP-55 3-3.5**	**GP-55 13-14**
	Depth (bgs)	13.75 ft	14 - 14.5 ft	15 - 16 ft	3 - 3.5 ft	13 - 14 ft
	Sample Date	12/10/2008	12/10/2008	12/10/2008	12/11/2008	12/11/2008
Volatile Organic Compounds						
Tetrachloroethene	µg/kg	65	20 U	50	20 U	70
Trichloroethene	µg/kg	30 U	30 U	165	750	30 U
cis-1,2-Dichloroethene	µg/kg	20 U	20 U	20 U	1400	20 U
trans-1,2-Dichloroethene	µg/kg	20 U	20 U	20 U	20 U	20 U
1,1-Dichloroethene	µg/kg	50 U	50 U	50 U	50 U	50 U
Vinyl chloride	µg/kg	2 U	2 U	2 U	2 U	2 U
1,1,1,2-Tetrachloroethane	µg/kg	30 U	30 U	30 U	30 U	30 U
1,1,1-Trichloroethane	µg/kg	20 U	20 U	20 U	20 U	20 U
1,1,2,2-Tetrachloroethane	µg/kg	20 U	20 U	20 U	20 U	20 U
1,1,2-Trichloroethane	µg/kg	30 U	30 U	30 U	30 U	30 U
1,1-Dichloroethane	µg/kg	20 U	20 U	20 U	20 U	20 U
Chloroethane	µg/kg	60 U	60 U	60 U	60 U	60 U
Dichloromethane	µg/kg	20 U	20 U	20 U	20 U	20 U
1,1-Dichloropropene	µg/kg	20 U	20 U	20 U	20 U	20 U
1,2,3-Trichlorobenzene	µg/kg	1000 U	1000 U	1000 U	1000 U	1000 U
1,2,3-Trichloropropane	µg/kg	20 U	20 U	20 U	20 U	20 U
1,2,4-Trichlorobenzene	µg/kg	50 U	50 U	50 U	50 U	50 U
1,2-Dibromo-3-chloropropane	µg/kg	30 U	30 U	30 U	30 U	30 U
1,2-Dibromoethane	µg/kg	5 U	5 U	5 U	5 U	5 U
1,2-Dichlorobenzene	µg/kg	20 U	20 U	20 U	20 U	20 U
1,2-Dichloroethane	µg/kg	30 U	30 U	30 U	30 U	30 U
1,2-Dichloropropane	µg/kg	20 U	20 U	20 U	20 U	20 U
1,3-Dichlorobenzene	µg/kg	20 U	20 U	20 U	20 U	20 U
1,3-Dichloropropane	µg/kg	50 U	50 U	50 U	50 U	50 U
1,4-Dichlorobenzene	µg/kg	20 U	20 U	20 U	20 U	20 U
2,2-Dichloropropane	µg/kg	50 U	50 U	50 U	50 U	50 U
2-Chlorotoluene	µg/kg	20 U	20 U	20 U	20 U	20 U
4-Chlorotoluene	µg/kg	20 U	20 U	20 U	20 U	20 U
Bromobenzene	µg/kg	30 U	30 U	30 U	30 U	30 U
Bromodichloromethane	µg/kg	20 U	20 U	20 U	20 U	20 U
Bromoform	µg/kg	20 U	20 U	20 U	20 U	20 U
Bromomethane	µg/kg	90 U	90 U	90 U	90 U	90 U
Carbon tetrachloride	µg/kg	20 U	20 U	20 U	20 U	20 U
Chlorobenzene	µg/kg	20 U	20 U	20 U	20 U	20 U
Chloroform	µg/kg	20 U	20 U	20 U	20 U	20 U
Chloromethane	µg/kg	60 U	60 U	60 U	60 U	60 U
cis-1,3-Dichloropropene	µg/kg	20 U	20 U	20 U	20 U	20 U
Dibromochloromethane	µg/kg	30 U	30 U	30 U	30 U	30 U
Dibromomethane	µg/kg	40 U	40 U	40 U	40 U	40 U
Dichlorodifluoromethane	µg/kg	60 U	60 U	60 U	60 U	60 U
trans-1,3-Dichloropropene	µg/kg	30 U	30 U	30 U	30 U	30 U
Trichlorofluoromethane	µg/kg	50 U	50 U	50 U	50 U	50 U
BTEX						
Benzene	µg/kg	20 U	20 U	20 U	20 U	20 U
Toluene	µg/kg	20 U	20 U	20 U	30	20 U
Ethylbenzene	µg/kg	30 U	30 U	30 U	30 U	30 U
Xylene (total)	µg/kg	30 U	30 U	30 U	30 U	30 U
Alkylated Benzenes						

	Event	Fox-Ave Data Gaps Investigation Sampling (November - December 2008)				
	Location	GP-54	GP-54	GP-54	GP-55	GP-55
	SampleID	**GP-54 13.75**	**GP-54 14-14.5**	**GP-54 15-16**	**GP-55 3-3.5**	**GP-55 13-14**
	Depth (bgs)	13.75 ft	14 - 14.5 ft	15 - 16 ft	3 - 3.5 ft	13 - 14 ft
	Sample Date	12/10/2008	12/10/2008	12/10/2008	12/11/2008	12/11/2008
Alkylated Benzenes						
1,3,5-Trimethylbenzene	µg/kg	20 U	20 U	20 U	20 U	20 U
n-Propylbenzene	µg/kg	20 U	20 U	20 U	20 U	20 U
1,2,4-Trimethylbenzene	µg/kg	20 U	20 U	20 U	20 U	20 U
Cymene	µg/kg	20 U	20 U	20 U	20 U	20 U
iso-Propylbenzene	µg/kg	80 U	80 U	80 U	80 U	80 U
n-Butylbenzene	µg/kg	20 U	20 U	20 U	20 U	20 U
sec-Butylbenzene	µg/kg	20 U	20 U	20 U	20 U	20 U
Styrene	µg/kg	20 U	20 U	20 U	20 U	20 U
tert-Butylbenzene	µg/kg	20 U	20 U	20 U	20 U	20 U
Semivolatile Organic Compounds						
Naphthalene	µg/kg	30 U	30 U	30 U	30 U	30 U
Hexachlorobutadiene	µg/kg	100 U	100 U	100 U	100 U	100 U

	Event	Fox-Ave Data Gaps Investigation Sampling (November - December 2008)				
	Location	GP-55	GP-55	GP-56	GP-56	GP-56
	SampleID	**GP-55 14-15**	**GP-55 22-23**	**GP-56 10-11**	**GP-56 18.4-18.7**	**GP-56 37-38**
	Depth (bgs)	14 - 15 ft	22 - 23 ft	10 - 11 ft	18.4 - 18.7 ft	37 - 38 ft
	Sample Date	12/11/2008	12/11/2008	12/16/2008	12/16/2008	12/16/2008
Volatile Organic Compounds						
Tetrachloroethene	µg/kg	20 U	20 U	20 U	20 U	20 U
Trichloroethene	µg/kg	30 U	30 U	30 U	30 U	30 U
cis-1,2-Dichloroethene	µg/kg	1000	40	20 U	20 U	20 U
trans-1,2-Dichloroethene	µg/kg	20 U	20 U	20 U	20 U	20 U
1,1-Dichloroethene	µg/kg	50 U	50 U	50 U	50 U	50 U
Vinyl chloride	µg/kg	3200	60	2 U	2 U	2 U
1,1,1,2-Tetrachloroethane	µg/kg	30 U	30 U	30 U	30 U	30 U
1,1,1-Trichloroethane	µg/kg	20 U	20 U	20 U	20 U	20 U
1,1,2,2-Tetrachloroethane	µg/kg	20 U	20 U	20 U	20 U	20 U
1,1,2-Trichloroethane	µg/kg	30 U	30 U	30 U	30 U	30 U
1,1-Dichloroethane	µg/kg	20 U	20 U	20 U	20 U	20 U
Chloroethane	µg/kg	60 U	60 U	60 U	60 U	60 U
Dichloromethane	µg/kg	20 U	20 U	20 U	20 U	20 U
1,1-Dichloropropene	µg/kg	20 U	20 U	20 U	20 U	20 U
1,2,3-Trichlorobenzene	µg/kg	1000 U	1000 U	1000 U	1000 U	1000 U
1,2,3-Trichloropropane	µg/kg	20 U	20 U	20 U	20 U	20 U
1,2,4-Trichlorobenzene	µg/kg	50 U	50 U	50 U	50 U	50 U
1,2-Dibromo-3-chloropropane	µg/kg	30 U	30 U	30 U	30 U	30 U
1,2-Dibromoethane	µg/kg	5 U	5 U	5 U	5 U	5 U
1,2-Dichlorobenzene	µg/kg	20 U	20 U	20 U	20 U	20 U
1,2-Dichloroethane	µg/kg	30 U	30 U	30 U	30 U	30 U
1,2-Dichloropropane	µg/kg	20 U	20 U	20 U	20 U	20 U
1,3-Dichlorobenzene	µg/kg	20 U	20 U	20 U	20 U	20 U
1,3-Dichloropropane	µg/kg	50 U	50 U	50 U	50 U	50 U
1,4-Dichlorobenzene	µg/kg	20 U	20 U	20 U	20 U	20 U
2,2-Dichloropropane	µg/kg	50 U	50 U	50 U	50 U	50 U
2-Chlorotoluene	µg/kg	20 U	20 U	20 U	20 U	20 U
4-Chlorotoluene	µg/kg	20 U	20 U	20 U	20 U	20 U
Bromobenzene	µg/kg	30 U	30 U	30 U	30 U	30 U
Bromodichloromethane	µg/kg	20 U	20 U	20 U	20 U	20 U
Bromoform	µg/kg	20 U	20 U	20 U	20 U	20 U
Bromomethane	µg/kg	90 U	90 U	90 U	90 U	90 U
Carbon tetrachloride	µg/kg	20 U	20 U	20 U	20 U	20 U
Chlorobenzene	µg/kg	20 U	20 U	20 U	20 U	20 U
Chloroform	µg/kg	20 U	20 U	20 U	20 U	20 U
Chloromethane	µg/kg	60 U	60 U	60 U	60 U	60 U
cis-1,3-Dichloropropene	µg/kg	20 U	20 U	20 U	20 U	20 U
Dibromochloromethane	µg/kg	30 U	30 U	30 U	30 U	30 U
Dibromomethane	µg/kg	40 U	40 U	40 U	40 U	40 U
Dichlorodifluoromethane	µg/kg	60 U	60 U	60 U	60 U	60 U
trans-1,3-Dichloropropene	µg/kg	30 U	30 U	30 U	30 U	30 U
Trichlorofluoromethane	µg/kg	50 U	50 U	50 U	50 U	50 U
BTEX						
Benzene	µg/kg	20 U	20 U	20 U	20 U	20 U
Toluene	µg/kg	190	20 U	20 U	20 U	20 U
Ethylbenzene	µg/kg	30 U	30 U	30 U	30 U	30 U
Xylene (total)	µg/kg	30 U	30 U	30 U	30 U	30 U
Alkylated Benzenes						

	Event	Fox-Ave Data Gaps Investigation Sampling (November - December 2008)				
	Location	GP-55	GP-55	GP-56	GP-56	GP-56
	SampleID	**GP-55 14-15**	**GP-55 22-23**	**GP-56 10-11**	**GP-56 18.4-18.7**	**GP-56 37-38**
	Depth (bgs)	14 - 15 ft	22 - 23 ft	10 - 11 ft	18.4 - 18.7 ft	37 - 38 ft
	Sample Date	12/11/2008	12/11/2008	12/16/2008	12/16/2008	12/16/2008
Alkylated Benzenes						
1,3,5-Trimethylbenzene	µg/kg	20 U	20 U	20 U	20 U	20 U
n-Propylbenzene	µg/kg	20 U	20 U	20 U	20 U	20 U
1,2,4-Trimethylbenzene	µg/kg	20 U	20 U	20 U	20 U	20 U
Cymene	µg/kg	20 U	20 U	20 U	20 U	20 U
iso-Propylbenzene	µg/kg	80 U	80 U	80 U	80 U	80 U
n-Butylbenzene	µg/kg	20 U	20 U	20 U	20 U	20 U
sec-Butylbenzene	µg/kg	20 U	20 U	20 U	20 U	20 U
Styrene	µg/kg	20 U	20 U	20 U	20 U	20 U
tert-Butylbenzene	µg/kg	20 U	20 U	20 U	20 U	20 U
Semivolatile Organic Compounds						
Naphthalene	µg/kg	30 U	30 U	30 U	30 U	30 U
Hexachlorobutadiene	µg/kg	100 U	100 U	100 U	100 U	100 U

	Event	Fox-Ave Data Gaps Investigation Sampling (November - December 2008)				
	Location	GP-56	GP-57	GP-57	GP-57	GP-57
	SampleID	**GP-56 59-60**	**GP-57 1-2**	**GP-57 8-10**	**GP-57 11-12**	**GP-57 12-14**
	Depth (bgs)	59 - 60 ft	1 - 2 ft	8 - 10 ft	11 - 12 ft	12 - 14 ft
	Sample Date	12/16/2008	12/29/2008	12/29/2008	12/29/2008	12/29/2008
Volatile Organic Compounds						
Tetrachloroethene	µg/kg	20 U	99000	450000	580000	4800
Trichloroethene	µg/kg	30 U	5800	19000	100000	80 J
cis-1,2-Dichloroethene	µg/kg	20 U	330	1200 J	500	200 U
trans-1,2-Dichloroethene	µg/kg	20 U	200 U	200 U	200 U	200 U
1,1-Dichloroethene	µg/kg	50 U	500 U	500 U	500 U	500 U
Vinyl chloride	µg/kg	2 U	20 U	20 U	20 U	20 U
1,1,1,2-Tetrachloroethane	µg/kg	30 U	300 U	300 U	300 U	300 U
1,1,1-Trichloroethane	µg/kg	20 U	200 U	200 U	1500	200 U
1,1,2,2-Tetrachloroethane	µg/kg	20 U	200 U	200 U	730	200 U
1,1,2-Trichloroethane	µg/kg	30 U	300 U	300 U	300 U	300 U
1,1-Dichloroethane	µg/kg	20 U	200 U	200 U	200 U	200 U
Chloroethane	µg/kg	60 U	600 U	600 U	600 U	600 U
Dichloromethane	µg/kg	20 U	200 U	200 U	200 U	200 U
1,1-Dichloropropene	µg/kg	20 U	200 U	200 U	200 U	200 U
1,2,3-Trichlorobenzene	µg/kg	1000 U	10000 U	10000 U	10000 U	10000 U
1,2,3-Trichloropropane	µg/kg	20 U	200 U	200 U	200 U	200 U
1,2,4-Trichlorobenzene	µg/kg	50 U	500 U	500 U	500 U	500 U
1,2-Dibromo-3-chloropropane	µg/kg	30 U	300 U	300 U	300 U	300 U
1,2-Dibromoethane	µg/kg	5 U	50 U	50 U	50 U	50 U
1,2-Dichlorobenzene	µg/kg	20 U	200 U	200 U	200 U	200 U
1,2-Dichloroethane	µg/kg	30 U	300 U	300 U	300 U	300 U
1,2-Dichloropropane	µg/kg	20 U	200 U	200 U	200 U	200 U
1,3-Dichlorobenzene	µg/kg	20 U	200 U	200 U	200 U	200 U
1,3-Dichloropropane	µg/kg	50 U	500 U	500 U	500 U	500 U
1,4-Dichlorobenzene	µg/kg	20 U	200 U	200 U	200 U	200 U
2,2-Dichloropropane	µg/kg	50 U	500 U	500 U	500 U	500 U
2-Chlorotoluene	µg/kg	20 U	200 U	200 U	200 U	200 U
4-Chlorotoluene	µg/kg	20 U	200 U	200 U	200 U	200 U
Bromobenzene	µg/kg	30 U	300 U	300 U	300 U	300 U
Bromodichloromethane	µg/kg	20 U	200 U	200 U	200 U	200 U
Bromoform	µg/kg	20 U	200 U	200 U	200 U	200 U
Bromomethane	µg/kg	90 U	900 U	900 U	900 U	900 U
Carbon tetrachloride	µg/kg	20 U	200 U	200 U	200 U	200 U
Chlorobenzene	µg/kg	20 U	200 U	200 U	200 U	200 U
Chloroform	µg/kg	20 U	200 U	200 U	200 U	200 U
Chloromethane	µg/kg	60 U	600 U	600 U	600 U	600 U
cis-1,3-Dichloropropene	µg/kg	20 U	200 U	200 U	200 U	200 U
Dibromochloromethane	µg/kg	30 U	300 U	300 U	300 U	300 U
Dibromomethane	µg/kg	40 U	400 U	400 U	400 U	400 U
Dichlorodifluoromethane	µg/kg	60 U	600 U	600 U	600 U	600 U
trans-1,3-Dichloropropene	µg/kg	30 U	300 U	300 U	300 U	300 U
Trichlorofluoromethane	µg/kg	50 U	500 U	500 U	500 U	500 U
BTEX						
Benzene	µg/kg	20 U	200 U	200 U	200 U	200 U
Toluene	µg/kg	20 U	170 J	5500	40000	200 U
Ethylbenzene	µg/kg	30 U	140 J	1300	5300	300 U
Xylene (total)	µg/kg	30 U	300	4870	20000	300 U
Alkylated Benzenes						

	Event	Fox-Ave Data Gaps Investigation Sampling (November - December 2008)				
	Location	GP-56	GP-57	GP-57	GP-57	GP-57
	SampleID	**GP-56 59-60**	**GP-57 1-2**	**GP-57 8-10**	**GP-57 11-12**	**GP-57 12-14**
	Depth (bgs)	59 - 60 ft	1 - 2 ft	8 - 10 ft	11 - 12 ft	12 - 14 ft
	Sample Date	12/16/2008	12/29/2008	12/29/2008	12/29/2008	12/29/2008
Alkylated Benzenes						
1,3,5-Trimethylbenzene	µg/kg	20 U	300	2500	3500	100 J
n-Propylbenzene	µg/kg	20 U	200 U	800	1200	200 U
1,2,4-Trimethylbenzene	µg/kg	20 U	200 U	200 U	200 U	200 U
Cymene	µg/kg	20 U	200 U	580	780	200 U
iso-Propylbenzene	µg/kg	80 U	800 U	330 J	480	800 U
n-Butylbenzene	µg/kg	20 U	200 U	200 U	200 U	200 U
sec-Butylbenzene	µg/kg	20 U	200 U	480	650	200 U
Styrene	µg/kg	20 U	200 U	2200	7300	200 U
tert-Butylbenzene	µg/kg	20 U	200 U	200 U	200 U	200 U
Semivolatile Organic Compounds						
Naphthalene	µg/kg	30 U	300 U	1100	1600	170 J
Hexachlorobutadiene	µg/kg	100 U	1000 U	1000 U	1000 U	1000 U

	Event	Fox-Ave Data Gaps Investigation Sampling (November - December 2008)				
	Location	GP-57	GP-57	GP-57	GP-57	GP-57
	SampleID	**GP-57 14-15**	**GP-57 15-16**	**GP-57 15-17**	**GP-57 17-18**	**GP-57 18-19**
	Depth (bgs)	14 - 15 ft	15 - 16 ft	15 - 17 ft	17 - 18 ft	18 - 19 ft
	Sample Date	12/29/2008	12/29/2008	12/29/2008	12/29/2008	12/29/2008
Volatile Organic Compounds						
Tetrachloroethene	µg/kg	3000	16000	3930000	200000	280000
Trichloroethene	µg/kg	130 J	1100	280000	21000	26000
cis-1,2-Dichloroethene	µg/kg	200 U	200 U	3500	1400	3500
trans-1,2-Dichloroethene	µg/kg	200 U	200 U	200 U	200 U	200 U
1,1-Dichloroethene	µg/kg	500 U	500 U	500 U	500 U	500 U
Vinyl chloride	µg/kg	20 U	20 U	20 U	20 U	20 U
1,1,1,2-Tetrachloroethane	µg/kg	300 U	300 U	300 U	300 U	300 U
1,1,1-Trichloroethane	µg/kg	200 U	200 U	28000	200 U	200 U
1,1,2,2-Tetrachloroethane	µg/kg	200 U	200 U	200 U	200 U	200 U
1,1,2-Trichloroethane	µg/kg	300 U	300 U	300 U	300 U	300 U
1,1-Dichloroethane	µg/kg	200 U	200 U	380	200 U	200 U
Chloroethane	µg/kg	600 U	600 U	600 U	600 U	600 U
Dichloromethane	µg/kg	200 U	200 U	200 U	200 U	200 U
1,1-Dichloropropene	µg/kg	200 U	200 U	200 U	200 U	200 U
1,2,3-Trichlorobenzene	µg/kg	10000 U	10000 U	10000 U	10000 U	10000 U
1,2,3-Trichloropropane	µg/kg	200 U	200 U	200 U	200 U	200 U
1,2,4-Trichlorobenzene	µg/kg	500 U	500 U	500 U	500 U	500 U
1,2-Dibromo-3-chloropropane	µg/kg	300 U	300 U	300 U	300 U	300 U
1,2-Dibromoethane	µg/kg	50 U	50 U	50 U	50 U	50 U
1,2-Dichlorobenzene	µg/kg	200 U	200 U	200 U	200 U	200 U
1,2-Dichloroethane	µg/kg	300 U	300 U	300 U	300 U	300 U
1,2-Dichloropropane	µg/kg	200 U	200 U	200 U	200 U	200 U
1,3-Dichlorobenzene	µg/kg	200 U	200 U	200 U	200 U	200 U
1,3-Dichloropropane	µg/kg	500 U	500 U	500 U	500 U	500 U
1,4-Dichlorobenzene	µg/kg	200 U	200 U	200 U	200 U	200 U
2,2-Dichloropropane	µg/kg	500 U	500 U	500 U	500 U	500 U
2-Chlorotoluene	µg/kg	200 U	200 U	200 U	200 U	200 U
4-Chlorotoluene	µg/kg	200 U	200 U	200 U	200 U	200 U
Bromobenzene	µg/kg	300 U	300 U	300 U	300 U	300 U
Bromodichloromethane	µg/kg	200 U	200 U	200 U	200 U	200 U
Bromoform	µg/kg	200 U	200 U	200 U	200 U	200 U
Bromomethane	µg/kg	900 U	900 U	900 U	900 U	900 U
Carbon tetrachloride	µg/kg	200 U	200 U	200 U	200 U	200 U
Chlorobenzene	µg/kg	200 U	200 U	200 U	200 U	200 U
Chloroform	µg/kg	200 U	200 U	200 U	200 U	200 U
Chloromethane	µg/kg	600 U	600 U	600 U	600 U	600 U
cis-1,3-Dichloropropene	µg/kg	200 U	200 U	200 U	200 U	200 U
Dibromochloromethane	µg/kg	300 U	300 U	300 U	300 U	300 U
Dibromomethane	µg/kg	400 U	400 U	400 U	400 U	400 U
Dichlorodifluoromethane	µg/kg	600 U	600 U	600 U	600 U	600 U
trans-1,3-Dichloropropene	µg/kg	300 U	300 U	300 U	300 U	300 U
Trichlorofluoromethane	µg/kg	500 U	500 U	500 U	500 U	500 U
Total Petroleum Hydrocarbons						
Diesel #2	mg/kg			20 U	20 U	
Lube Oil	mg/kg			50 U	50 U	
Mineral Spirits	mg/kg			1000	22	
Paraffin Oils	mg/kg			40 U	40 U	
BTEX						

	Event	Fox-Ave Data Gaps Investigation Sampling (November - December 2008)				
	Location	GP-57	GP-57	GP-57	GP-57	GP-57
	SampleID	**GP-57 14-15**	**GP-57 15-16**	**GP-57 15-17**	**GP-57 17-18**	**GP-57 18-19**
	Depth (bgs)	14 - 15 ft	15 - 16 ft	15 - 17 ft	17 - 18 ft	18 - 19 ft
	Sample Date	12/29/2008	12/29/2008	12/29/2008	12/29/2008	12/29/2008
BTEX						
Benzene	µg/kg	200 U	200 U	430	200 U	200 U
Toluene	µg/kg	200 U	200 U	190000	13000	18000
Ethylbenzene	µg/kg	300 U	300 U	5500	550	1100 U
Xylene (total)	µg/kg	300 U	300 U	43000	2500	4300
Alkylated Benzenes						
1,3,5-Trimethylbenzene	µg/kg	200 U	200 U	25000	1700	2800
n-Propylbenzene	µg/kg	200 U	200 U	11000	580	950
1,2,4-Trimethylbenzene	µg/kg	200 U	200 U	7300	350	630
Cymene	µg/kg	200 U	200 U	6800	480	980
iso-Propylbenzene	µg/kg	800 U	800 U	3800	190	350 J
n-Butylbenzene	µg/kg	200 U	200 U	11000	680	1200
sec-Butylbenzene	µg/kg	200 U	200 U	7300	350	630
Styrene	µg/kg	200 U	200 U	9300	4000	1300 U
tert-Butylbenzene	µg/kg	200 U	200 U	600	200 U	200 U
Semivolatile Organic Compounds						
Naphthalene	µg/kg	300 U	300 U	4300	550	730
Hexachlorobutadiene	µg/kg	1000 U	1000 U	950	1000 U	1000 U

	Event	Fox-Ave Data Gaps Investigation Sampling (November - December 2008)				
	Location	GP-57	GP-57	GP-57	GP-57	GP-57
	SampleID	**GP-57 19-20**	**GP-57 23-25**	**GP-57 28-30**	**GP-57 37-39**	**GP-57 45-47**
	Depth (bgs)	19 - 20 ft	23 - 25 ft	28 - 30 ft	37 - 39 ft	45 - 47 ft
	Sample Date	12/29/2008	12/29/2008	12/29/2008	12/29/2008	12/29/2008
Volatile Organic Compounds						
Tetrachloroethene	µg/kg	1100	510	670	150	29000
Trichloroethene	µg/kg	850	30 U	300 U	300 U	13000
cis-1,2-Dichloroethene	µg/kg	3200	2100	200 U	200 U	13000
trans-1,2-Dichloroethene	µg/kg	20 U	20 U	200 U	200 U	200 U
1,1-Dichloroethene	µg/kg	50 U	50 U	500 U	500 U	500 U
Vinyl chloride	µg/kg	2 U	640	20 U	20 U	1200
1,1,1,2-Tetrachloroethane	µg/kg	30 U	30 U	300 U	300 U	300 U
1,1,1-Trichloroethane	µg/kg	20 U	20 U	200 U	200 U	200 U
1,1,2,2-Tetrachloroethane	µg/kg	20 U	20 U	200 U	200 U	200 U
1,1,2-Trichloroethane	µg/kg	30 U	30 U	300 U	300 U	300 U
1,1-Dichloroethane	µg/kg	20 U	20 U	200 U	200 U	200 U
Chloroethane	µg/kg	60 U	60 U	600 U	600 U	600 U
Dichloromethane	µg/kg	20 U	20 U	200 U	200 U	200 U
1,1-Dichloropropene	µg/kg	20 U	20 U	200 U	200 U	200 U
1,2,3-Trichlorobenzene	µg/kg	1000 U	1000 U	10000 U	10000 U	10000 U
1,2,3-Trichloropropane	µg/kg	20 U	20 U	200 U	200 U	200 U
1,2,4-Trichlorobenzene	µg/kg	50 U	50 U	500 U	500 U	500 U
1,2-Dibromo-3-chloropropane	µg/kg	30 U	30 U	300 U	300 U	300 U
1,2-Dibromoethane	µg/kg	5 U	5 U	50 U	50 U	50 U
1,2-Dichlorobenzene	µg/kg	20 U	20 U	200 U	200 U	200 U
1,2-Dichloroethane	µg/kg	30 U	30 U	300 U	300 U	300 U
1,2-Dichloropropane	µg/kg	20 U	20 U	200 U	200 U	200 U
1,3-Dichlorobenzene	µg/kg	20 U	20 U	200 U	200 U	200 U
1,3-Dichloropropane	µg/kg	50 U	50 U	500 U	500 U	500 U
1,4-Dichlorobenzene	µg/kg	20 U	20 U	200 U	200 U	200 U
2,2-Dichloropropane	µg/kg	50 U	50 U	500 U	500 U	500 U
2-Chlorotoluene	µg/kg	20 U	20 U	200 U	200 U	200 U
4-Chlorotoluene	µg/kg	20 U	20 U	200 U	200 U	200 U
Bromobenzene	µg/kg	30 U	30 U	300 U	300 U	300 U
Bromodichloromethane	µg/kg	20 U	20 U	200 U	200 U	200 U
Bromoform	µg/kg	20 U	20 U	200 U	200 U	200 U
Bromomethane	µg/kg	90 U	90 U	900 U	900 U	900 U
Carbon tetrachloride	µg/kg	20 U	20 U	200 U	200 U	200 U
Chlorobenzene	µg/kg	20 U	20 U	200 U	200 U	200 U
Chloroform	µg/kg	20 U	20 U	200 U	200 U	200 U
Chloromethane	µg/kg	60 U	60 U	600 U	600 U	600 U
cis-1,3-Dichloropropene	µg/kg	20 U	20 U	200 U	200 U	200 U
Dibromochloromethane	µg/kg	30 U	30 U	300 U	300 U	300 U
Dibromomethane	µg/kg	40 U	40 U	400 U	400 U	400 U
Dichlorodifluoromethane	µg/kg	60 U	60 U	600 U	600 U	600 U
trans-1,3-Dichloropropene	µg/kg	30 U	30 U	300 U	300 U	300 U
Trichlorofluoromethane	µg/kg	50 U	50 U	500 U	500 U	500 U
Total Petroleum Hydrocarbons						
Diesel #2	mg/kg			20 U		
Lube Oil	mg/kg			50 U		
Mineral Spirits	mg/kg			20 U		
Paraffin Oils	mg/kg			40 U		
BTEX						

	Event	Fox-Ave Data Gaps Investigation Sampling (November - December 2008)				
	Location	GP-57	GP-57	GP-57	GP-57	GP-57
	SampleID	**GP-57 19-20**	**GP-57 23-25**	**GP-57 28-30**	**GP-57 37-39**	**GP-57 45-47**
	Depth (bgs)	19 - 20 ft	23 - 25 ft	28 - 30 ft	37 - 39 ft	45 - 47 ft
	Sample Date	12/29/2008	12/29/2008	12/29/2008	12/29/2008	12/29/2008
BTEX						
Benzene	µg/kg	20 U	20 U	200 U	200 U	200 U
Toluene	µg/kg	330	20 U	200 U	200 J	210
Ethylbenzene	µg/kg	350	30 U	300 U	300 U	300 U
Xylene (total)	µg/kg	630	30 U	300 U	300 U	300 U
Alkylated Benzenes						
1,3,5-Trimethylbenzene	µg/kg	140	20 U	200 U	200 U	200 U
n-Propylbenzene	µg/kg	20 U	20 U	200 U	200 U	200 U
1,2,4-Trimethylbenzene	µg/kg	20 U	20 U	200 U	200 U	200 U
Cymene	µg/kg	30	20 U	200 U	200 U	200 U
iso-Propylbenzene	µg/kg	80 U	80 U	800 U	800 U	800 U
n-Butylbenzene	µg/kg	50	20 U	200 U	200 U	200 U
sec-Butylbenzene	µg/kg	20 U	20 U	200 U	200 U	200 U
Styrene	µg/kg	60	20 U	200 U	200 U	200 U
tert-Butylbenzene	µg/kg	60	20 U	200 U	200 U	200 U
Semivolatile Organic Compounds						
Naphthalene	µg/kg	230	30 U	300 U	300 U	300 U
Hexachlorobutadiene	µg/kg	100 U	100 U	1000 U	1000 U	1000 U

	Event	Fox-Ave Data Gaps Investigation Sampling (November - December 2008)				
	Location	GP-57	GP-57	GP-58	GP-58	GP-58
	SampleID	**GP-57 50-55**	**GP-57 55-60**	**GP-58 14**	**GP-58 19-20**	**GP-58 22**
	Depth (bgs)	50 - 55 ft	55 - 60 ft	14 ft	19 - 20 ft	22 ft
	Sample Date	12/29/2008	12/29/2008	12/30/2008	12/30/2008	12/30/2008
Volatile Organic Compounds						
Tetrachloroethene	µg/kg	500	200	4300	730	1900
Trichloroethene	µg/kg	90	330	650	190 J	1400
cis-1,2-Dichloroethene	µg/kg	20 U	320	280	2200	31000
trans-1,2-Dichloroethene	µg/kg	200 U	20 U	200 U	200 U	200 U
1,1-Dichloroethene	µg/kg	50 U	50 U	500 U	500 U	500 U
Vinyl chloride	µg/kg	20 U	2 U	20 U	20 U	20 U
1,1,1,2-Tetrachloroethane	µg/kg	300 U	30 U	300 U	300 U	300 U
1,1,1-Trichloroethane	µg/kg	20 U	20 U	200 U	200 U	200 U
1,1,2,2-Tetrachloroethane	µg/kg	20 U	20 U	200 U	200 U	200 U
1,1,2-Trichloroethane	µg/kg	30 U	30 U	300 U	300 U	300 U
1,1-Dichloroethane	µg/kg	20 U	20 U	200 U	200 U	200 U
Chloroethane	µg/kg	60 U	60 U	600 U	600 U	600 U
Dichloromethane	µg/kg	200 U	20 U	200 U	200 U	200 U
1,1-Dichloropropene	µg/kg	200 U	20 U	200 U	200 U	200 U
1,2,3-Trichlorobenzene	µg/kg	10000 U	1000 U	10000 U	10000 U	10000 U
1,2,3-Trichloropropane	µg/kg	200 U	20 U	200 U	200 U	200 U
1,2,4-Trichlorobenzene	µg/kg	50 U	50 U	500 U	500 U	500 U
1,2-Dibromo-3-chloropropane	µg/kg	300 U	30 U	300 U	300 U	300 U
1,2-Dibromoethane	µg/kg	5 U	5 U	50 U	50 U	50 U
1,2-Dichlorobenzene	µg/kg	200 U	20 U	200 U	200 U	200 U
1,2-Dichloroethane	µg/kg	300 U	30 U	300 U	300 U	300 U
1,2-Dichloropropane	µg/kg	200 U	20 U	200 U	200 U	200 U
1,3-Dichlorobenzene	µg/kg	200 U	20 U	200 U	200 U	200 U
1,3-Dichloropropane	µg/kg	500 U	50 U	500 U	500 U	500 U
1,4-Dichlorobenzene	µg/kg	200 U	20 U	200 U	200 U	200 U
2,2-Dichloropropane	µg/kg	500 U	50 U	500 U	500 U	500 U
2-Chlorotoluene	µg/kg	200 U	20 U	200 U	200 U	200 U
4-Chlorotoluene	µg/kg	200 U	20 U	200 U	200 U	200 U
Bromobenzene	µg/kg	30 U	30 U	300 U	300 U	300 U
Bromodichloromethane	µg/kg	20 U	20 U	200 U	200 U	200 U
Bromoform	µg/kg	200 U	20 U	200 U	200 U	200 U
Bromomethane	µg/kg	90 U	90 U	900 U	900 U	900 U
Carbon tetrachloride	µg/kg	20 U	20 U	200 U	200 U	200 U
Chlorobenzene	µg/kg	200 U	20 U	200 U	200 U	200 U
Chloroform	µg/kg	200 U	20 U	200 U	200 U	200 U
Chloromethane	µg/kg	600 U	60 U	600 U	600 U	600 U
cis-1,3-Dichloropropene	µg/kg	20 U	20 U	200 U	200 U	200 U
Dibromochloromethane	µg/kg	300 U	30 U	300 U	300 U	300 U
Dibromomethane	µg/kg	400 U	40 U	400 U	400 U	400 U
Dichlorodifluoromethane	µg/kg	600 U	60 U	600 U	600 U	600 U
trans-1,3-Dichloropropene	µg/kg	30 U	30 U	300 U	300 U	300 U
Trichlorofluoromethane	µg/kg	50 U	50 U	500 U	500 U	500 U
BTEX						
Benzene	µg/kg	200 U	1400	60	200 U	200 U
Toluene	µg/kg	200 U	20 U	200 U	200 U	2500
Ethylbenzene	µg/kg	300 U	30 U	300 U	300 U	11000
Xylene (total)	µg/kg	30 U	30 U	300 U	300 U	24000
Alkylated Benzenes						

	Event	**Fox-Ave Data Gaps Investigation Sampling (November - December 2008)**				
	Location	GP-57	GP-57	GP-58	GP-58	GP-58
	SampleID	**GP-57 50-55**	**GP-57 55-60**	**GP-58 14**	**GP-58 19-20**	**GP-58 22**
	Depth (bgs)	50 - 55 ft	55 - 60 ft	14 ft	19 - 20 ft	22 ft
	Sample Date	12/29/2008	12/29/2008	12/30/2008	12/30/2008	12/30/2008
Alkylated Benzenes						
1,3,5-Trimethylbenzene	µg/kg	20 U	20 U	200 U	200 U	2500
n-Propylbenzene	µg/kg	200 U	20 U	200 U	200 U	1500
1,2,4-Trimethylbenzene	µg/kg	20 U	20 U	200 U	200 U	200 U
Cymene	µg/kg	200 U	20 U	200 U	200 U	710
iso-Propylbenzene	µg/kg	800 U	80 U	800 U	800 U	750
n-Butylbenzene	µg/kg	20 U	20 U	200 U	200 U	950
sec-Butylbenzene	µg/kg	20 U	20 U	200 U	200 U	580
Styrene	µg/kg	20 U	20 U	200 U	200 U	200 U
tert-Butylbenzene	µg/kg	200 U	20 U	200 U	200 U	1400
Semivolatile Organic Compounds						
Naphthalene	µg/kg	300 U	30 U	300 U	300 U	1400
Hexachlorobutadiene	µg/kg	100 U	100 U	1000 U	1000 U	1000 U

	Event	Fox-Ave Data Gaps Investigation Sampling (November - December 2008)				
	Location	GP-60	SB-50a	SB-50a	SB-50a	SB-52a
	SampleID	**GP-60 13-14**	**SB-50a 4-5**	**SB-50a 6-7**	**SB-50a 9-10**	**SB-52a 11.5**
	Depth (bgs)	13 - 14 ft	4 - 5 ft	6 - 7 ft	9 - 10 ft	11.5 ft
	Sample Date	12/30/2008	12/30/2008	12/30/2008	12/30/2008	12/30/2008
Volatile Organic Compounds						
Tetrachloroethene	µg/kg	4900	200 U	43000	56000	1100
Trichloroethene	µg/kg	410	300 U	300 U	300 U	40
cis-1,2-Dichloroethene	µg/kg	1700	200 U	200 U	200 U	40
trans-1,2-Dichloroethene	µg/kg	200 U	200 U	200 U	200 U	20 U
1,1-Dichloroethene	µg/kg	500 U	500 U	500 U	500 U	50 U
Vinyl chloride	µg/kg	20 U	20 U	20 U	20 U	2 U
1,1,1,2-Tetrachloroethane	µg/kg	300 U	300 U	300 U	300 U	30 U
1,1,1-Trichloroethane	µg/kg	200 U	200 U	200 U	200 U	20 U
1,1,2,2-Tetrachloroethane	µg/kg	200 U	200 U	200 U	200 U	20 U
1,1,2-Trichloroethane	µg/kg	300 U	300 U	300 U	300 U	30 U
1,1-Dichloroethane	µg/kg	200 U	200 U	200 U	200 U	20 U
Chloroethane	µg/kg	600 U	600 U	600 U	600 U	60 U
Dichloromethane	µg/kg	200 U	200 U	200 U	200 U	20 U
1,1-Dichloropropene	µg/kg	200 U	200 U	200 U	200 U	20 U
1,2,3-Trichlorobenzene	µg/kg	10000 U	10000 U	10000 U	10000 U	1000 U
1,2,3-Trichloropropane	µg/kg	200 U	200 U	200 U	200 U	20 U
1,2,4-Trichlorobenzene	µg/kg	500 U	500 U	500 U	500 U	50 U
1,2-Dibromo-3-chloropropane	µg/kg	300 U	300 U	300 U	300 U	30 U
1,2-Dibromoethane	µg/kg	50 U	50 U	50 U	50 U	5 U
1,2-Dichlorobenzene	µg/kg	200 U	200 U	200 U	200 U	20 U
1,2-Dichloroethane	µg/kg	300 U	300 U	300 U	300 U	30 U
1,2-Dichloropropane	µg/kg	200 U	200 U	200 U	200 U	20 U
1,3-Dichlorobenzene	µg/kg	200 U	200 U	200 U	200 U	20 U
1,3-Dichloropropane	µg/kg	500 U	500 U	500 U	500 U	50 U
1,4-Dichlorobenzene	µg/kg	200 U	200 U	200 U	200 U	20 U
2,2-Dichloropropane	µg/kg	500 U	500 U	500 U	500 U	50 U
2-Chlorotoluene	µg/kg	200 U	200 U	200 U	200 U	20 U
4-Chlorotoluene	µg/kg	200 U	200 U	200 U	200 U	20 U
Bromobenzene	µg/kg	300 U	300 U	300 U	300 U	30 U
Bromodichloromethane	µg/kg	200 U	200 U	200 U	200 U	20 U
Bromoform	µg/kg	200 U	200 U	200 U	200 U	20 U
Bromomethane	µg/kg	900 U	900 U	900 U	900 U	90 U
Carbon tetrachloride	µg/kg	200 U	200 U	200 U	200 U	20 U
Chlorobenzene	µg/kg	200 U	200 U	200 U	200 U	20 U
Chloroform	µg/kg	200 U	200 U	200 U	200 U	20 U
Chloromethane	µg/kg	600 U	600 U	600 U	600 U	60 U
cis-1,3-Dichloropropene	µg/kg	200 U	200 U	200 U	200 U	20 U
Dibromochloromethane	µg/kg	300 U	300 U	300 U	300 U	30 U
Dibromomethane	µg/kg	400 U	400 U	400 U	400 U	40 U
Dichlorodifluoromethane	µg/kg	600 U	600 U	600 U	600 U	60 U
trans-1,3-Dichloropropene	µg/kg	300 U	300 U	300 U	300 U	30 U
Trichlorofluoromethane	µg/kg	500 U	500 U	500 U	500 U	50 U
Total Petroleum Hydrocarbons						
Diesel #2	mg/kg					20 U
Lube Oil	mg/kg					50 U
Mineral Spirits	mg/kg					20 U
Paraffin Oils	mg/kg					40 U
BTEX						

	Event	Fox-Ave Data Gaps Investigation Sampling (November - December 2008)				
	Location	GP-60	SB-50a	SB-50a	SB-50a	SB-52a
	SampleID	**GP-60 13-14**	**SB-50a 4-5**	**SB-50a 6-7**	**SB-50a 9-10**	**SB-52a 11.5**
	Depth (bgs)	13 - 14 ft	4 - 5 ft	6 - 7 ft	9 - 10 ft	11.5 ft
	Sample Date	12/30/2008	12/30/2008	12/30/2008	12/30/2008	12/30/2008
BTEX						
Benzene	µg/kg	200 U	200 U	200 U	200 U	20 U
Toluene	µg/kg	170	200 U	200 U	200 U	20 U
Ethylbenzene	µg/kg	300 U	300 U	300 U	300 U	30 U
Xylene (total)	µg/kg	300 U	21000	300 U	300 U	30 U
Alkylated Benzenes						
1,3,5-Trimethylbenzene	µg/kg	200 U	200 U	200 U	200 U	20 U
n-Propylbenzene	µg/kg	200 U	200 U	200 U	200 U	20 U
1,2,4-Trimethylbenzene	µg/kg	200 U	200 U	200 U	200 U	20 U
Cymene	µg/kg	200 U	200 U	200 U	200 U	20 U
iso-Propylbenzene	µg/kg	800 U	800 U	800 U	800 U	80 U
n-Butylbenzene	µg/kg	200 U	200 U	200 U	200 U	20 U
sec-Butylbenzene	µg/kg	200 U	200 U	200 U	200 U	20 U
Styrene	µg/kg	200 U	200 U	200 U	200 U	20 U
tert-Butylbenzene	µg/kg	200 U	200 U	200 U	200 U	20 U
Semivolatile Organic Compounds						
Naphthalene	µg/kg	300 U	300 U	300 U	300 U	30 U
Hexachlorobutadiene	µg/kg	1000 U	1000 U	1000 U	1000 U	100 U

	Event	Fox-Ave Data Gaps Investigation Sampling (November - December 2008)				
	Location	SB-52a	SB-52a	SB-52a		
	SampleID	**SB-52a 13.5**	**SB-52a 3**	**SB-52a 7**		
	Depth (bgs)	13.5 ft	3 ft	7 ft		
	Sample Date	12/30/2008	12/30/2008	12/30/2008		
Volatile Organic Compounds						
Tetrachloroethene	µg/kg	580	38000	2200		
Trichloroethene	µg/kg	300 U	1400	300 U		
cis-1,2-Dichloroethene	µg/kg	200 U	460	200 U		
trans-1,2-Dichloroethene	µg/kg	200 U	200 U	200 U		
1,1-Dichloroethene	µg/kg	500 U	500 U	500 U		
Vinyl chloride	µg/kg	20 U	20 U	20 U		
1,1,1,2-Tetrachloroethane	µg/kg	300 U	300 U	300 U		
1,1,1-Trichloroethane	µg/kg	200 U	200 U	200 U		
1,1,2,2-Tetrachloroethane	µg/kg	200 U	200 U	200 U		
1,1,2-Trichloroethane	µg/kg	300 U	300 U	300 U		
1,1-Dichloroethane	µg/kg	200 U	200 U	200 U		
Chloroethane	µg/kg	600 U	600 U	600 U		
Dichloromethane	µg/kg	200 U	200 U	200 U		
1,1-Dichloropropene	µg/kg	200 U	200 U	200 U		
1,2,3-Trichlorobenzene	µg/kg	10000 U	10000 U	10000 U		
1,2,3-Trichloropropane	µg/kg	200 U	200 U	200 U		
1,2,4-Trichlorobenzene	µg/kg	500 U	500 U	500 U		
1,2-Dibromo-3-chloropropane	µg/kg	300 U	300 U	300 U		
1,2-Dibromoethane	µg/kg	50 U	50 U	50 U		
1,2-Dichlorobenzene	µg/kg	200 U	200 U	200 U		
1,2-Dichloroethane	µg/kg	300 U	300 U	300 U		
1,2-Dichloropropane	µg/kg	200 U	200 U	200 U		
1,3-Dichlorobenzene	µg/kg	200 U	200 U	200 U		
1,3-Dichloropropane	µg/kg	500 U	500 U	500 U		
1,4-Dichlorobenzene	µg/kg	200 U	200 U	200 U		
2,2-Dichloropropane	µg/kg	500 U	500 U	500 U		
2-Chlorotoluene	µg/kg	200 U	200 U	200 U		
4-Chlorotoluene	µg/kg	200 U	200 U	200 U		
Bromobenzene	µg/kg	300 U	300 U	300 U		
Bromodichloromethane	µg/kg	200 U	200 U	200 U		
Bromoform	µg/kg	200 U	200 U	200 U		
Bromomethane	µg/kg	900 U	900 U	900 U		
Carbon tetrachloride	µg/kg	200 U	200 U	200 U		
Chlorobenzene	µg/kg	200 U	200 U	200 U		
Chloroform	µg/kg	200 U	200 U	200 U		
Chloromethane	µg/kg	600 U	600 U	600 U		
cis-1,3-Dichloropropene	µg/kg	200 U	200 U	200 U		
Dibromochloromethane	µg/kg	300 U	300 U	300 U		
Dibromomethane	µg/kg	400 U	400 U	400 U		
Dichlorodifluoromethane	µg/kg	600 U	600 U	600 U		
trans-1,3-Dichloropropene	µg/kg	300 U	300 U	300 U		
Trichlorofluoromethane	µg/kg	500 U	500 U	500 U		
Total Petroleum Hydrocarbons						
Diesel #2	mg/kg		20 U			
Lube Oil	mg/kg		50 U			
Mineral Spirits	mg/kg		20 U			
Paraffin Oils	mg/kg		40 U			
BTEX						

	Event	Fox-Ave Data Gaps Investigation Sampling (November - December 2008)				
	Location	SB-52a	SB-52a	SB-52a		
	SampleID	**SB-52a 13.5**	**SB-52a 3**	**SB-52a 7**		
	Depth (bgs)	13.5 ft	3 ft	7 ft		
	Sample Date	12/30/2008	12/30/2008	12/30/2008		
BTEX						
Benzene	µg/kg	200 U	200 U	200 U		
Toluene	µg/kg	200 U	200 U	200 U		
Ethylbenzene	µg/kg	300 U	300 U	300 U		
Xylene (total)	µg/kg	300 U	300 U	300 U		
Alkylated Benzenes						
1,3,5-Trimethylbenzene	µg/kg	200 U	200 U	200 U		
n-Propylbenzene	µg/kg	200 U	200 U	200 U		
1,2,4-Trimethylbenzene	µg/kg	200 U	200 U	200 U		
Cymene	µg/kg	200 U	200 U	200 U		
iso-Propylbenzene	µg/kg	800 U	800 U	800 U		
n-Butylbenzene	µg/kg	280	200 U	200 U		
sec-Butylbenzene	µg/kg	190	200 U	200 U		
Styrene	µg/kg	200 U	200 U	200 U		
tert-Butylbenzene	µg/kg	200 U	200 U	200 U		
Semivolatile Organic Compounds						
Naphthalene	µg/kg	300 U	300 U	300 U		
Hexachlorobutadiene	µg/kg	1000 U	1000 U	1000 U		

	Event	Whitehead Sampling (August 2000)				
	Location	WH-1	WH-1	WH-2	WH-2	WH-3
	SampleID	**WH1-10.5**	**WH1-11.5**	**WH2-11**	**WH2-12.5**	**WH3-11**
	Depth (bgs)	10.5 ft	11.5 ft	11 ft	12.5 ft	11 ft
	Sample Date	08/09/2000	08/09/2000	08/09/2000	08/09/2000	08/09/2000
Volatile Organic Compounds						
Tetrachloroethene	µg/kg	110	69 U	4400	110	200
Trichloroethene	µg/kg	65 U	69 U	450	65 U	52 U
cis-1,2-Dichloroethene	µg/kg	100	2700	68 U	1200	52 U
trans-1,2-Dichloroethene	µg/kg	65 U	95	68 U	65 U	52 U
1,1-Dichloroethene	µg/kg	65 U	69 U	68 U	65 U	52 U
Vinyl chloride	µg/kg	65 U	3300	68 U	65 U	52 U
1,1,1,2-Tetrachloroethane	µg/kg	65 U	69 U	68 U	65 U	52 U
1,1,1-Trichloroethane	µg/kg	65 U	69 U	68 U	65 U	52 U
1,1,2,2-Tetrachloroethane	µg/kg	65 U	69 U	68 U	65 U	52 U
1,1,2-Trichloroethane	µg/kg	65 U	69 U	68 U	65 U	52 U
1,1-Dichloroethane	µg/kg	65 U	69 U	68 U	65 U	52 U
Chloroethane	µg/kg	65 U	69 U	68 U	65 U	52 U
Acetone	µg/kg	320 U	350 U	340 U	320 U	260 U
Dichloromethane	µg/kg	320 U	350 U	340 U	320 U	260 U
1,1-Dichloropropene	µg/kg	65 U	69 U	68 U	65 U	52 U
1,2,3-Trichlorobenzene	µg/kg	65 U	69 U	68 U	65 U	52 U
1,2,3-Trichloropropane	µg/kg	65 U	69 U	68 U	65 U	52 U
1,2,4-Trichlorobenzene	µg/kg	43 U	46 U	45 U	43 U	52 U
1,2-Dibromo-3-chloropropane	µg/kg	320 U	350 U	340 U	320 U	260 U
1,2-Dibromoethane	µg/kg	65 U	69 U	68 U	65 U	52 U
1,2-Dichlorobenzene	µg/kg	43 U	46 U	68 U	65 U	35 U
1,2-Dichloroethane	µg/kg	65 U	69 U	68 U	65 U	52 U
1,2-Dichloropropane	µg/kg	65 U	69 U	68 U	65 U	52 U
1,3-Dichlorobenzene	µg/kg	65 U	46 U	45 U	65 U	35 U
1,3-Dichloropropane	µg/kg	65 U	69 U	68 U	65 U	52 U
1,4-Dichlorobenzene	µg/kg	65 U	69 U	68 U	43 U	52 U
2,2-Dichloropropane	µg/kg	65 U	69 U	68 U	65 U	52 U
2-Chloroethyl vinyl ether	µg/kg	320 U	350 U	340 U	320 U	260 U
2-Chlorotoluene	µg/kg	65 U	69 U	68 U	65 U	52 U
4-Chlorotoluene	µg/kg	65 U	69 U	68 U	65 U	52 U
Bromobenzene	µg/kg	65 U	69 U	68 U	65 U	52 U
Bromodichloromethane	µg/kg	65 U	69 U	68 U	65 U	52 U
Bromoform	µg/kg	65 U	69 U	68 U	65 U	52 U
Bromomethane	µg/kg	65 U	69 U	68 U	65 U	52 U
Carbon disulfide	µg/kg	65 U	69 U	68 U	65 U	52 U
Carbon tetrachloride	µg/kg	65 U	69 U	68 U	65 U	52 U
Chlorobenzene	µg/kg	65 U	69 U	68 U	65 U	52 U
Chloroform	µg/kg	65 U	69 U	68 U	65 U	52 U
Chloromethane	µg/kg	65 U	69 U	68 U	65 U	52 U
cis-1,3-Dichloropropene	µg/kg	65 U	69 U	68 U	65 U	52 U
Dibromochloromethane	µg/kg	65 U	69 U	68 U	65 U	52 U
Dibromomethane	µg/kg	65 U	69 U	68 U	65 U	52 U
Dichlorodifluoromethane	µg/kg	65 U	69 U	68 U	65 U	52 U
Methyl ethyl ketone	µg/kg	320 U	350 U	340 U	320 U	260 U
Methyl iso butyl ketone	µg/kg	320 U	350 U	340 U	320 U	260 U
trans-1,3-Dichloropropene	µg/kg	65 U	69 U	68 U	65 U	52 U
Trichlorofluoromethane	µg/kg	65 U	69 U	68 U	65 U	52 U
Vinyl acetate	µg/kg	320 U	350 U	340 U	320 U	260 U

	Event	Whitehead Sampling (August 2000)				
	Location	WH-1	WH-1	WH-2	WH-2	WH-3
	SampleID	**WH1-10.5**	**WH1-11.5**	**WH2-11**	**WH2-12.5**	**WH3-11**
	Depth (bgs)	10.5 ft	11.5 ft	11 ft	12.5 ft	11 ft
	Sample Date	08/09/2000	08/09/2000	08/09/2000	08/09/2000	08/09/2000
Total Petroleum Hydrocarbons						
Gasoline	mg/kg	32 U	6.9 U	5 U	6.5 U	5.2 U
BTEX						
Benzene	µg/kg	320 U	69 U	5000 U	65 U	52 U
Toluene	µg/kg	320 U	620	5000 U	380	52 U
Ethylbenzene	µg/kg	320 U	69 U	68 U	65 U	52 U
Xylene (meta & para)	µg/kg	130 U	69 U	68 U	65 U	52 U
Xylene (ortho)	µg/kg	65 U	69 U	68 U	65 U	52 U
Xylene (total)	µg/kg	320 U	74	5000 U	130 U	100 U
Alkylated Benzenes						
1,3,5-Trimethylbenzene	µg/kg	65 U	69 U	68 U	65 U	52 U
n-Propylbenzene	µg/kg	65 U	69 U	68 U	65 U	52 U
1,2,4-Trimethylbenzene	µg/kg	65 U	69 U	68 U	65 U	52 U
Cymene	µg/kg	65 U	69 U	68 U	65 U	52 U
iso-Propylbenzene	µg/kg	65 U	69 U	68 U	65 U	52 U
n-Butylbenzene	µg/kg	65 U	69 U	68 U	65 U	52 U
sec-Butylbenzene	µg/kg	65 U	69 U	68 U	65 U	52 U
Styrene	µg/kg	65 U	69 U	68 U	65 U	52 U
tert-Butylbenzene	µg/kg	65 U	69 U	68 U	65 U	52 U
Semivolatile Organic Compounds						
Benzo(a)anthracene	µg/kg	43 U	46 U	45 U	43 U	35 U
Benzo(a)pyrene	µg/kg	43 U	46 U	45 U	43 U	35 U
Benzo(g,h,i)perylene	µg/kg	43 U	46 U	45 U	43 U	35 U
Benzo(b)fluoranthene	µg/kg	43 U	46 U	45 U	43 U	35 U
Benzo(k)fluoranthene	µg/kg	43 U	46 U	45 U	43 U	35 U
Chrysene	µg/kg	43 U	46 U	45 U	43 U	35 U
Dibenzo(a,h)anthracene	µg/kg	43 U	46 U	45 U	43 U	35 U
Fluoranthene	µg/kg	43 U	46 U	45 U	43 U	35 U
Indeno(1,2,3-cd)pyrene	µg/kg	43 U	46 U	45 U	43 U	35 U
Pyrene	µg/kg	43 U	46 U	45 U	43 U	35 U
Acenaphthene	µg/kg	43 U	46 U	45 U	43 U	35 U
Acenaphthylene	µg/kg	43 U	46 U	45 U	43 U	35 U
Anthracene	µg/kg	43 U	46 U	45 U	43 U	35 U
Fluorene	µg/kg	43 U	46 U	45 U	43 U	35 U
Naphthalene	µg/kg	65 U	46 U	45 U	65 U	52 U
Phenanthrene	µg/kg	43 U	46 U	45 U	43 U	35 U
2-Methylnaphthalene	µg/kg	43 U	46 U	45 U	43 U	35 U
bis(2-ethylhexyl)phthalate	µg/kg	220 U	1700	230 U	220 U	170 U
Di-n-butyl phthalate	µg/kg	43 U	46 U	45 U	43 U	35 U
Butyl benzyl phthalate	µg/kg	43 U	46 U	45 U	43 U	35 U
Diethylphthalate	µg/kg	43 U	46 U	45 U	43 U	35 U
Dimethyl phthalate	µg/kg	43 U	46 U	45 U	43 U	35 U
Di-n-octyl phthalate	µg/kg	43 U	46 U	45 U	43 U	35 U
Pentachlorophenol	µg/kg	430 U	460 U	450 U	3300	350 U
2,4-Dichlorophenol	µg/kg	430 U	460 U	450 U	430 U	350 U
2,4,5-Trichlorophenol	µg/kg	430 U	460 U	450 U	430 U	350 U
2,4,6-Trichlorophenol	µg/kg	430 U	460 U	450 U	430 U	350 U
2-Chlorophenol	µg/kg	43 U	46 U	45 U	43 U	35 U
2,4-Dimethylphenol	µg/kg	43 U	46 U	45 U	43 U	35 U

	Event	**Whitehead Sampling (August 2000)**				
	Location	WH-1	WH-1	WH-2	WH-2	WH-3
	SampleID	**WH1-10.5**	**WH1-11.5**	**WH2-11**	**WH2-12.5**	**WH3-11**
	Depth (bgs)	10.5 ft	11.5 ft	11 ft	12.5 ft	11 ft
	Sample Date	08/09/2000	08/09/2000	08/09/2000	08/09/2000	08/09/2000
Semivolatile Organic Compounds						
2,4-Dinitrophenol	µg/kg	430 U	460 U	450 U	430 U	350 U
2,4-Dinitrotoluene	µg/kg	43 U	46 U	45 U	43 U	35 U
2,6-Dinitrotoluene	µg/kg	43 U	46 U	45 U	43 U	35 U
2-Chloronaphthalene	µg/kg	43 U	46 U	45 U	43 U	35 U
2-Methylphenol	µg/kg	43 U	46 U	45 U	43 U	35 U
2-Nitroaniline	µg/kg	430 U	460 U	450 U	430 U	350 U
2-Nitrophenol	µg/kg	430 U	460 U	450 U	430 U	350 U
3,3'-Dichlorobenzidine	µg/kg	43 U	46 U	45 U	43 U	35 U
3-Nitroaniline	µg/kg	430 U	460 U	450 U	430 U	350 U
4,6-Dinitro-o-cresol	µg/kg	430 U	460 U	450 U	430 U	350 U
4-Bromophenyl phenyl ether	µg/kg	43 U	46 U	45 U	43 U	35 U
4-Chloro-3-methylphenol	µg/kg	430 U	460 U	450 U	430 U	350 U
4-Chloroaniline	µg/kg	43 U	46 U	45 U	43 U	35 U
4-Chlorophenyl phenyl ether	µg/kg	43 U	46 U	45 U	43 U	35 U
4-Methylphenol	µg/kg	43 U	46 U	45 U	43 U	35 U
4-Nitroaniline	µg/kg	430 U	460 U	450 U	430 U	350 U
4-Nitrophenol	µg/kg	430 U	460 U	450 U	430 U	350 U
Aniline	µg/kg	43 U	46 U	45 U	43 U	35 U
Benzidine	µg/kg	430 U	460 U	450 U	430 U	350 U
Benzoic acid	µg/kg	1100 U	1200 U	1100 U	1100 U	870 U
Benzyl alcohol	µg/kg	43 U	46 U	45 U	43 U	35 U
bis(2-chloroethoxy)methane	µg/kg	43 U	46 U	45 U	43 U	35 U
bis(2-chloroethyl)ether	µg/kg	43 U	46 U	45 U	43 U	35 U
bis(2-chloroisopropyl)ether	µg/kg	43 U	46 U	45 U	43 U	35 U
Carbazole	µg/kg	43 U	46 U	45 U	43 U	35 U
Dibenzofuran	µg/kg	43 U	46 U	45 U	43 U	35 U
Hexachlorobenzene	µg/kg	43 U	46 U	45 U	43 U	35 U
Hexachlorobutadiene	µg/kg	320 U	46 U	45 U	43 U	35 U
Hexachlorocyclopentadiene	µg/kg	430 U	460 U	450 U	430 U	350 U
Hexachloroethane	µg/kg	43 U	46 U	45 U	43 U	35 U
Isophorone	µg/kg	43 U	46 U	45 U	43 U	35 U
Nitrobenzene	µg/kg	43 U	46 U	45 U	43 U	35 U
N-Nitroso-di-n-propylamine	µg/kg	43 U	46 U	45 U	43 U	35 U
N-Nitrosodiphenylamine	µg/kg	43 U	46 U	45 U	43 U	35 U
Phenol	µg/kg	43 U	46 U	45 U	43 U	35 U

	Event	Whitehead Sampling (August 2000)				
	Location	WH-3	WH-4	WH-4	WH-5	WH-5
	SampleID	**WH3-12.5**	**WH4-11**	**WH4-14**	**WH5-11**	**WH5-12.5**
	Depth (bgs)	12.5 ft	11 ft	14 ft	11 ft	12.5 ft
	Sample Date	08/09/2000	08/09/2000	08/09/2000	08/09/2000	08/09/2000
Volatile Organic Compounds						
Tetrachloroethene	µg/kg	190	81	110	53 U	92
Trichloroethene	µg/kg	200	59 U	570	53 U	62 U
cis-1,2-Dichloroethene	µg/kg	2100	59 U	1600	53 U	62 U
trans-1,2-Dichloroethene	µg/kg	66 U	59 U	67 U	53 U	62 U
1,1-Dichloroethene	µg/kg	66 U	59 U	67 U	53 U	62 U
Vinyl chloride	µg/kg	700	59 U	67 U	53 U	62 U
1,1,1,2-Tetrachloroethane	µg/kg	66 U	59 U	67 U	53 U	62 U
1,1,1-Trichloroethane	µg/kg	66 U	59 U	67 U	53 U	62 U
1,1,2,2-Tetrachloroethane	µg/kg	66 U	59 U	67 U	53 U	62 U
1,1,2-Trichloroethane	µg/kg	66 U	59 U	67 U	53 U	62 U
1,1-Dichloroethane	µg/kg	66 U	59 U	67 U	53 U	62 U
Chloroethane	µg/kg	66 U	59 U	67 U	53 U	62 U
Acetone	µg/kg	330 U	290 U	330 U	270 U	310 U
Dichloromethane	µg/kg	330 U	290 U	330 U	270 U	310 U
1,1-Dichloropropene	µg/kg	66 U	59 U	67 U	53 U	62 U
1,2,3-Trichlorobenzene	µg/kg	66 U	59 U	67 U	53 U	62 U
1,2,3-Trichloropropane	µg/kg	66 U	59 U	67 U	53 U	62 U
1,2,4-Trichlorobenzene	µg/kg	66 U	39 U	67 U	35 U	62 U
1,2-Dibromo-3-chloropropane	µg/kg	330 U	290 U	330 U	270 U	310 U
1,2-Dibromoethane	µg/kg	66 U	59 U	67 U	53 U	62 U
1,2-Dichlorobenzene	µg/kg	44 U	39 U	44 U	35 U	62 U
1,2-Dichloroethane	µg/kg	66 U	59 U	67 U	53 U	62 U
1,2-Dichloropropane	µg/kg	66 U	59 U	67 U	53 U	62 U
1,3-Dichlorobenzene	µg/kg	66 U	39 U	67 U	53 U	62 U
1,3-Dichloropropane	µg/kg	66 U	59 U	67 U	53 U	62 U
1,4-Dichlorobenzene	µg/kg	44 U	39 U	67 U	35 U	62 U
2,2-Dichloropropane	µg/kg	66 U	59 U	67 U	53 U	62 U
2-Chloroethyl vinyl ether	µg/kg	330 U	290 U	330 U	270 U	310 U
2-Chlorotoluene	µg/kg	66 U	59 U	67 U	53 U	62 U
4-Chlorotoluene	µg/kg	66 U	59 U	67 U	53 U	62 U
Bromobenzene	µg/kg	66 U	59 U	67 U	53 U	62 U
Bromodichloromethane	µg/kg	66 U	59 U	67 U	53 U	62 U
Bromoform	µg/kg	66 U	59 U	67 U	53 U	62 U
Bromomethane	µg/kg	66 U	59 U	67 U	53 U	62 U
Carbon disulfide	µg/kg	66 U	59 U	67 U	53 U	62 U
Carbon tetrachloride	µg/kg	66 U	59 U	67 U	53 U	62 U
Chlorobenzene	µg/kg	66 U	59 U	67 U	53 U	62 U
Chloroform	µg/kg	66 U	59 U	67 U	53 U	62 U
Chloromethane	µg/kg	66 U	59 U	67 U	53 U	62 U
cis-1,3-Dichloropropene	µg/kg	66 U	59 U	67 U	53 U	62 U
Dibromochloromethane	µg/kg	66 U	59 U	67 U	53 U	62 U
Dibromomethane	µg/kg	66 U	59 U	67 U	53 U	62 U
Dichlorodifluoromethane	µg/kg	66 U	59 U	67 U	53 U	62 U
Methyl ethyl ketone	µg/kg	330 U	290 U	330 U	270 U	310 U
Methyl iso butyl ketone	µg/kg	330 U	290 U	330 U	270 U	310 U
trans-1,3-Dichloropropene	µg/kg	66 U	59 U	67 U	53 U	62 U
Trichlorofluoromethane	µg/kg	66 U	59 U	67 U	53 U	62 U
Vinyl acetate	µg/kg	330 U	290 U	330 U	270 U	310 U

	Event	Whitehead Sampling (August 2000)				
	Location	WH-3	WH-4	WH-4	WH-5	WH-5
	SampleID	**WH3-12.5**	**WH4-11**	**WH4-14**	**WH5-11**	**WH5-12.5**
	Depth (bgs)	12.5 ft	11 ft	14 ft	11 ft	12.5 ft
	Sample Date	08/09/2000	08/09/2000	08/09/2000	08/09/2000	08/09/2000
Total Petroleum Hydrocarbons						
Gasoline	mg/kg	6.6 U	5.9 U	6.7 U	5.3 U	
BTEX						
Benzene	µg/kg	66 U	59 U	67 U	53 U	62 U
Toluene	µg/kg	430	59 U	67 U	53 U	62 U
Ethylbenzene	µg/kg	82	59 U	130	53 U	62 U
Xylene (meta & para)	µg/kg	130 U	120 U	130 U	53 U	120 U
Xylene (ortho)	µg/kg	67	59 U	73	53 U	62 U
Xylene (total)	µg/kg	377	120 U	236	110 U	120 U
Alkylated Benzenes						
1,3,5-Trimethylbenzene	µg/kg	66 U	59 U	67 U	53 U	62 U
n-Propylbenzene	µg/kg	66 U	59 U	67 U	53 U	62 U
1,2,4-Trimethylbenzene	µg/kg	66 U	59 U	67 U	53 U	62 U
Cymene	µg/kg	66 U	59 U	67 U	53 U	62 U
iso-Propylbenzene	µg/kg	66 U	59 U	67 U	53 U	62 U
n-Butylbenzene	µg/kg	66 U	59 U	67 U	53 U	62 U
sec-Butylbenzene	µg/kg	66 U	59 U	67 U	53 U	62 U
Styrene	µg/kg	66 U	59 U	67 U	53 U	62 U
tert-Butylbenzene	µg/kg	66 U	59 U	67 U	53 U	62 U
Semivolatile Organic Compounds						
Benzo(a)anthracene	µg/kg	44 U	39 U	44 U	35 U	
Benzo(a)pyrene	µg/kg	44 U	39 U	44 U	35 U	
Benzo(g,h,i)perylene	µg/kg	44 U	39 U	44 U	35 U	
Benzo(b)fluoranthene	µg/kg	44 U	39 U	44 U	35 U	
Benzo(k)fluoranthene	µg/kg	44 U	39 U	44 U	35 U	
Chrysene	µg/kg	44 U	39 U	44 U	35 U	
Dibenzo(a,h)anthracene	µg/kg	44 U	39 U	44 U	35 U	
Fluoranthene	µg/kg	44 U	39 U	44 U	35 U	
Indeno(1,2,3-cd)pyrene	µg/kg	44 U	39 U	44 U	35 U	
Pyrene	µg/kg	44 U	39 U	44 U	35 U	
Acenaphthene	µg/kg	44 U	39 U	44 U	35 U	
Acenaphthylene	µg/kg	44 U	39 U	44 U	35 U	
Anthracene	µg/kg	44 U	39 U	44 U	35 U	
Fluorene	µg/kg	44 U	39 U	44 U	35 U	
Naphthalene	µg/kg	66 U	39 U	67 U	53 U	62 U
Phenanthrene	µg/kg	44 U	39 U	44 U	35 U	
2-Methylnaphthalene	µg/kg	44 U	39 U	44 U	35 U	
bis(2-ethylhexyl)phthalate	µg/kg	220 U	200 U	530	180 U	
Di-n-butyl phthalate	µg/kg	44 U	39 U	44 U	35 U	
Butyl benzyl phthalate	µg/kg	44 U	39 U	44 U	35 U	
Diethylphthalate	µg/kg	44 U	39 U	44 U	35 U	
Dimethyl phthalate	µg/kg	44 U	39 U	44 U	35 U	
Di-n-octyl phthalate	µg/kg	44 U	39 U	44 U	35 U	
Pentachlorophenol	µg/kg	740	390 U	440 U	350 U	
2,4-Dichlorophenol	µg/kg	440 U	390 U	440 U	350 U	
2,4,5-Trichlorophenol	µg/kg	440 U	390 U	440 U	350 U	
2,4,6-Trichlorophenol	µg/kg	440 U	390 U	440 U	350 U	
2-Chlorophenol	µg/kg	44 U	39 U	44 U	35 U	
2,4-Dimethylphenol	µg/kg	44 U	39 U	44 U	35 U	

	Event	**Whitehead Sampling (August 2000)**				
	Location	WH-3	WH-4	WH-4	WH-5	WH-5
	SampleID	**WH3-12.5**	**WH4-11**	**WH4-14**	**WH5-11**	**WH5-12.5**
	Depth (bgs)	12.5 ft	11 ft	14 ft	11 ft	12.5 ft
	Sample Date	08/09/2000	08/09/2000	08/09/2000	08/09/2000	08/09/2000
Semivolatile Organic Compounds						
2,4-Dinitrophenol	µg/kg	440 U	390 U	440 U	350 U	
2,4-Dinitrotoluene	µg/kg	44 U	39 U	44 U	35 U	
2,6-Dinitrotoluene	µg/kg	44 U	39 U	44 U	35 U	
2-Chloronaphthalene	µg/kg	44 U	39 U	44 U	35 U	
2-Methylphenol	µg/kg	44 U	39 U	44 U	35 U	
2-Nitroaniline	µg/kg	440 U	390 U	440 U	350 U	
2-Nitrophenol	µg/kg	440 U	390 U	440 U	350 U	
3,3'-Dichlorobenzidine	µg/kg	44 U	39 U	44 U	35 U	
3-Nitroaniline	µg/kg	440 U	390 U	440 U	350 U	
4,6-Dinitro-o-cresol	µg/kg	440 U	390 U	440 U	350 U	
4-Bromophenyl phenyl ether	µg/kg	44 U	39 U	44 U	35 U	
4-Chloro-3-methylphenol	µg/kg	440 U	390 U	440 U	350 U	
4-Chloroaniline	µg/kg	44 U	39 U	44 U	35 U	
4-Chlorophenyl phenyl ether	µg/kg	44 U	39 U	44 U	35 U	
4-Methylphenol	µg/kg	44 U	39 U	44 U	35 U	
4-Nitroaniline	µg/kg	440 U	390 U	440 U	350 U	
4-Nitrophenol	µg/kg	440 U	390 U	440 U	350 U	
Aniline	µg/kg	44 U	39 U	44 U	35 U	
Benzidine	µg/kg	440 U	390 U	440 U	350 U	
Benzoic acid	µg/kg	1100 U	980 U	1100 U	890 U	
Benzyl alcohol	µg/kg	44 U	39 U	44 U	35 U	
bis(2-chloroethoxy)methane	µg/kg	44 U	39 U	44 U	35 U	
bis(2-chloroethyl)ether	µg/kg	44 U	39 U	44 U	35 U	
bis(2-chloroisopropyl)ether	µg/kg	44 U	39 U	44 U	35 U	
Carbazole	µg/kg	44 U	39 U	44 U	35 U	
Dibenzofuran	µg/kg	44 U	39 U	44 U	35 U	
Hexachlorobenzene	µg/kg	44 U	39 U	44 U	35 U	
Hexachlorobutadiene	µg/kg	44 U	290 U	330 U	35 U	310 U
Hexachlorocyclopentadiene	µg/kg	440 U	390 U	440 U	350 U	
Hexachloroethane	µg/kg	44 U	39 U	44 U	35 U	
Isophorone	µg/kg	44 U	39 U	44 U	35 U	
Nitrobenzene	µg/kg	44 U	39 U	44 U	35 U	
N-Nitroso-di-n-propylamine	µg/kg	44 U	39 U	44 U	35 U	
N-Nitrosodiphenylamine	µg/kg	44 U	39 U	44 U	35 U	
Phenol	µg/kg	44 U	39 U	44 U	35 U	

	Event	Whitehead Sampling (August 2000)				
	Location	WH-5	WH-5	WH-6	WH-6	WH-6
	SampleID	**WH5-15.5**	**WH5-16.5**	**WH6-11**	**WH6-14**	**WH6-16.5**
	Depth (bgs)	15.5 ft	16.5 ft	11 ft	14 ft	16.5 ft
	Sample Date	08/09/2000	08/09/2000	08/09/2000	08/09/2000	08/09/2000
Volatile Organic Compounds						
Tetrachloroethene	µg/kg	260	67 U	52 U	62 U	64 U
Trichloroethene	µg/kg	60 U	67 U	52 U	62 U	64 U
cis-1,2-Dichloroethene	µg/kg	60 U	6600	52 U	62 U	64 U
trans-1,2-Dichloroethene	µg/kg	60 U	67 U	52 U	62 U	64 U
1,1-Dichloroethene	µg/kg	60 U	67 U	52 U	62 U	64 U
Vinyl chloride	µg/kg	60 U	1200	52 U	62 U	64 U
1,1,1,2-Tetrachloroethane	µg/kg	60 U	67 U	52 U	62 U	64 U
1,1,1-Trichloroethane	µg/kg	60 U	67 U	52 U	62 U	64 U
1,1,2,2-Tetrachloroethane	µg/kg	60 U	67 U	52 U	62 U	64 U
1,1,2-Trichloroethane	µg/kg	60 U	67 U	52 U	62 U	64 U
1,1-Dichloroethane	µg/kg	60 U	67 U	52 U	62 U	64 U
Chloroethane	µg/kg	60 U	67 U	52 U	62 U	64 U
Acetone	µg/kg	300 U	330 U	260 U	310 U	320 U
Dichloromethane	µg/kg	300 U	330 U	260 U	310 U	320 U
1,1-Dichloropropene	µg/kg	60 U	67 U	52 U	62 U	64 U
1,2,3-Trichlorobenzene	µg/kg	60 U	67 U	52 U	62 U	64 U
1,2,3-Trichloropropane	µg/kg	60 U	67 U	52 U	62 U	64 U
1,2,4-Trichlorobenzene	µg/kg	60 U	67 U	52 U	41 U	64 U
1,2-Dibromo-3-chloropropane	µg/kg	300 U	330 U	260 U	310 U	320 U
1,2-Dibromoethane	µg/kg	60 U	67 U	52 U	62 U	64 U
1,2-Dichlorobenzene	µg/kg	60 U	67 U	52 U	41 U	43 U
1,2-Dichloroethane	µg/kg	60 U	67 U	52 U	62 U	64 U
1,2-Dichloropropane	µg/kg	60 U	67 U	52 U	62 U	64 U
1,3-Dichlorobenzene	µg/kg	60 U	67 U	35 U	41 U	64 U
1,3-Dichloropropane	µg/kg	60 U	67 U	52 U	62 U	64 U
1,4-Dichlorobenzene	µg/kg	60 U	44 U	35 U	41 U	64 U
2,2-Dichloropropane	µg/kg	60 U	67 U	52 U	62 U	64 U
2-Chloroethyl vinyl ether	µg/kg	300 U	330 U	260 U	310 U	320 U
2-Chlorotoluene	µg/kg	60 U	67 U	52 U	62 U	64 U
4-Chlorotoluene	µg/kg	60 U	67 U	52 U	62 U	64 U
Bromobenzene	µg/kg	60 U	67 U	52 U	62 U	64 U
Bromodichloromethane	µg/kg	60 U	67 U	52 U	62 U	64 U
Bromoform	µg/kg	60 U	67 U	52 U	62 U	64 U
Bromomethane	µg/kg	60 U	67 U	52 U	62 U	64 U
Carbon disulfide	µg/kg	60 U	67 U	52 U	62 U	64 U
Carbon tetrachloride	µg/kg	60 U	67 U	52 U	62 U	64 U
Chlorobenzene	µg/kg	60 U	67 U	52 U	62 U	64 U
Chloroform	µg/kg	60 U	67 U	52 U	62 U	64 U
Chloromethane	µg/kg	60 U	67 U	52 U	62 U	64 U
cis-1,3-Dichloropropene	µg/kg	60 U	67 U	52 U	62 U	64 U
Dibromochloromethane	µg/kg	60 U	67 U	52 U	62 U	64 U
Dibromomethane	µg/kg	60 U	67 U	52 U	62 U	64 U
Dichlorodifluoromethane	µg/kg	60 U	67 U	52 U	62 U	64 U
Methyl ethyl ketone	µg/kg	300 U	330 U	260 U	310 U	320 U
Methyl iso butyl ketone	µg/kg	300 U	330 U	260 U	310 U	320 U
trans-1,3-Dichloropropene	µg/kg	60 U	67 U	52 U	62 U	64 U
Trichlorofluoromethane	µg/kg	60 U	67 U	52 U	62 U	64 U
Vinyl acetate	µg/kg	300 U	330 U	260 U	310 U	320 U

	Event	Whitehead Sampling (August 2000)				
	Location	WH-5	WH-5	WH-6	WH-6	WH-6
	SampleID	**WH5-15.5**	**WH5-16.5**	**WH6-11**	**WH6-14**	**WH6-16.5**
	Depth (bgs)	15.5 ft	16.5 ft	11 ft	14 ft	16.5 ft
	Sample Date	08/09/2000	08/09/2000	08/09/2000	08/09/2000	08/09/2000
Total Petroleum Hydrocarbons						
Gasoline	mg/kg		33 U	5.2 U	31 U	32 U
BTEX						
Benzene	µg/kg	60 U	330 U	52 U	310 U	320 U
Toluene	µg/kg	60 U	1600	52 U	62 U	320 U
Ethylbenzene	µg/kg	60 U	310	52 U	62 U	64 U
Xylene (meta & para)	µg/kg	120 U	420	52 U	120 U	320 U
Xylene (ortho)	µg/kg	60 U	150	52 U	310 U	64 U
Xylene (total)	µg/kg	120 U	570	100 U	310 U	320 U
Alkylated Benzenes						
1,3,5-Trimethylbenzene	µg/kg	60 U	67 U	52 U	62 U	64 U
n-Propylbenzene	µg/kg	60 U	67 U	52 U	62 U	64 U
1,2,4-Trimethylbenzene	µg/kg	60 U	83	52 U	62 U	64 U
Cymene	µg/kg	60 U	67 U	52 U	62 U	64 U
iso-Propylbenzene	µg/kg	60 U	67 U	52 U	62 U	64 U
n-Butylbenzene	µg/kg	60 U	67 U	52 U	62 U	64 U
sec-Butylbenzene	µg/kg	60 U	67 U	52 U	62 U	64 U
Styrene	µg/kg	60 U	67 U	52 U	62 U	64 U
tert-Butylbenzene	µg/kg	60 U	67 U	52 U	62 U	64 U
Semivolatile Organic Compounds						
Benzo(a)anthracene	µg/kg		44 U	35 U	41 U	43 U
Benzo(a)pyrene	µg/kg		44 U	35 U	41 U	43 U
Benzo(g,h,i)perylene	µg/kg		44 U	35 U	41 U	43 U
Benzo(b)fluoranthene	µg/kg		44 U	35 U	41 U	43 U
Benzo(k)fluoranthene	µg/kg		44 U	35 U	41 U	43 U
Chrysene	µg/kg		44 U	35 U	41 U	43 U
Dibenzo(a,h)anthracene	µg/kg		44 U	35 U	41 U	43 U
Fluoranthene	µg/kg		44 U	35 U	41 U	60
Indeno(1,2,3-cd)pyrene	µg/kg		44 U	35 U	41 U	43 U
Pyrene	µg/kg		44 U	35 U	41 U	43 U
Acenaphthene	µg/kg		44 U	35 U	41 U	43 U
Acenaphthylene	µg/kg		44 U	35 U	41 U	43 U
Anthracene	µg/kg		44 U	35 U	41 U	43 U
Fluorene	µg/kg		44 U	35 U	41 U	43 U
Naphthalene	µg/kg	60 U	67 U	52 U	41 U	64 U
Phenanthrene	µg/kg		44 U	35 U	41 U	120
2-Methylnaphthalene	µg/kg		44 U	35 U	41 U	43 U
bis(2-ethylhexyl)phthalate	µg/kg		220 U	170 U	3300	210 U
Di-n-butyl phthalate	µg/kg		44 U	35 U	41 U	43 U
Butyl benzyl phthalate	µg/kg		44 U	35 U	41 U	43 U
Diethylphthalate	µg/kg		44 U	35 U	41 U	43 U
Dimethyl phthalate	µg/kg		44 U	35 U	41 U	43 U
Di-n-octyl phthalate	µg/kg		44 U	35 U	41 U	43 U
Pentachlorophenol	µg/kg		440 U	350 U	410 U	430 U
2,4-Dichlorophenol	µg/kg		440 U	350 U	410 U	430 U
2,4,5-Trichlorophenol	µg/kg		440 U	350 U	410 U	430 U
2,4,6-Trichlorophenol	µg/kg		440 U	350 U	410 U	430 U
2-Chlorophenol	µg/kg		44 U	35 U	41 U	43 U
2,4-Dimethylphenol	µg/kg		44 U	35 U	41 U	43 U

	Event	Whitehead Sampling (August 2000)				
	Location	WH-5	WH-5	WH-6	WH-6	WH-6
	SampleID	**WH5-15.5**	**WH5-16.5**	**WH6-11**	**WH6-14**	**WH6-16.5**
	Depth (bgs)	15.5 ft	16.5 ft	11 ft	14 ft	16.5 ft
	Sample Date	08/09/2000	08/09/2000	08/09/2000	08/09/2000	08/09/2000
Semivolatile Organic Compounds						
2,4-Dinitrophenol	µg/kg		440 U	350 U	410 U	430 U
2,4-Dinitrotoluene	µg/kg		44 U	35 U	41 U	43 U
2,6-Dinitrotoluene	µg/kg		44 U	35 U	41 U	43 U
2-Chloronaphthalene	µg/kg		44 U	35 U	41 U	43 U
2-Methylphenol	µg/kg		44 U	35 U	41 U	43 U
2-Nitroaniline	µg/kg		440 U	350 U	410 U	430 U
2-Nitrophenol	µg/kg		440 U	350 U	410 U	430 U
3,3'-Dichlorobenzidine	µg/kg		44 U	35 U	41 U	43 U
3-Nitroaniline	µg/kg		440 U	350 U	410 U	430 U
4,6-Dinitro-o-cresol	µg/kg		440 U	350 U	410 U	430 U
4-Bromophenyl phenyl ether	µg/kg		44 U	35 U	41 U	43 U
4-Chloro-3-methylphenol	µg/kg		440 U	350 U	410 U	430 U
4-Chloroaniline	µg/kg		44 U	35 U	41 U	43 U
4-Chlorophenyl phenyl ether	µg/kg		44 U	35 U	41 U	43 U
4-Methylphenol	µg/kg		44 U	35 U	41 U	43 U
4-Nitroaniline	µg/kg		440 U	350 U	410 U	430 U
4-Nitrophenol	µg/kg		440 U	350 U	410 U	430 U
Aniline	µg/kg		44 U	35 U	41 U	43 U
Benzidine	µg/kg		440 U	350 U	410 U	430 U
Benzoic acid	µg/kg		1100 U	870 U	1000 U	1100 U
Benzyl alcohol	µg/kg		44 U	35 U	41 U	43 U
bis(2-chloroethoxy)methane	µg/kg		44 U	35 U	41 U	43 U
bis(2-chloroethyl)ether	µg/kg		44 U	35 U	41 U	43 U
bis(2-chloroisopropyl)ether	µg/kg		44 U	35 U	41 U	43 U
Carbazole	µg/kg		44 U	35 U	41 U	43 U
Dibenzofuran	µg/kg		44 U	35 U	41 U	43 U
Hexachlorobenzene	µg/kg		44 U	35 U	41 U	43 U
Hexachlorobutadiene	µg/kg	300 U	330 U	260 U	41 U	320 U
Hexachlorocyclopentadiene	µg/kg		440 U	350 U	410 U	430 U
Hexachloroethane	µg/kg		44 U	35 U	41 U	43 U
Isophorone	µg/kg		44 U	35 U	41 U	43 U
Nitrobenzene	µg/kg		44 U	35 U	41 U	43 U
N-Nitroso-di-n-propylamine	µg/kg		44 U	35 U	41 U	43 U
N-Nitrosodiphenylamine	µg/kg		44 U	35 U	41 U	43 U
Phenol	µg/kg		44 U	35 U	41 U	43 U

	Event	Whitehead Sampling (August 2000)				
	Location	WH-7	WH-7	WH-7	WH-7	WH-8
	SampleID	**WH7-11**	**WH7-14**	**WH7-15.5**	**WH7-16.5**	**WH8-11**
	Depth (bgs)	11 ft	14 ft	15.5 ft	16.5 ft	11 ft
	Sample Date	08/09/2000	08/09/2000	08/09/2000	08/09/2000	08/10/2000
Volatile Organic Compounds						
Tetrachloroethene	µg/kg	53 U	61 U	59 U	60 U	140
Trichloroethene	µg/kg	53 U	61 U	59 U	60 U	58 U
cis-1,2-Dichloroethene	µg/kg	53 U	61 U	120	60 U	58 U
trans-1,2-Dichloroethene	µg/kg	53 U	61 U	59 U	60 U	58 U
1,1-Dichloroethene	µg/kg	53 U	61 U	59 U	60 U	58 U
Vinyl chloride	µg/kg	53 U	61 U	59 U	60 U	58 U
1,1,1,2-Tetrachloroethane	µg/kg	53 U	61 U	59 U	60 U	58 U
1,1,1-Trichloroethane	µg/kg	53 U	61 U	59 U	60 U	58 U
1,1,2,2-Tetrachloroethane	µg/kg	53 U	61 U	59 U	60 U	58 U
1,1,2-Trichloroethane	µg/kg	53 U	61 U	59 U	60 U	58 U
1,1-Dichloroethane	µg/kg	53 U	61 U	59 U	60 U	58 U
Chloroethane	µg/kg	53 U	61 U	59 U	60 U	58 U
Acetone	µg/kg	270 U	300 U	290 U	350	290 U
Dichloromethane	µg/kg	270 U	300 U	290 U	300 U	290 U
1,1-Dichloropropene	µg/kg	53 U	61 U	59 U	60 U	58 U
1,2,3-Trichlorobenzene	µg/kg	53 U	61 U	59 U	60 U	58 U
1,2,3-Trichloropropane	µg/kg	53 U	61 U	59 U	60 U	58 U
1,2,4-Trichlorobenzene	µg/kg	53 U	61 U	59 U	40 U	39 U
1,2-Dibromo-3-chloropropane	µg/kg	270 U	300 U	290 U	300 U	290 U
1,2-Dibromoethane	µg/kg	53 U	61 U	59 U	60 U	58 U
1,2-Dichlorobenzene	µg/kg	35 U	61 U	59 U	60 U	39 U
1,2-Dichloroethane	µg/kg	53 U	61 U	59 U	60 U	58 U
1,2-Dichloropropane	µg/kg	53 U	61 U	59 U	60 U	58 U
1,3-Dichlorobenzene	µg/kg	53 U	61 U	59 U	40 U	58 U
1,3-Dichloropropane	µg/kg	53 U	61 U	59 U	60 U	58 U
1,4-Dichlorobenzene	µg/kg	35 U	61 U	59 U	40 U	39 U
2,2-Dichloropropane	µg/kg	53 U	61 U	59 U	60 U	58 U
2-Chloroethyl vinyl ether	µg/kg	270 U	300 U	290 U	300 U	290 U
2-Chlorotoluene	µg/kg	53 U	61 U	59 U	60 U	58 U
4-Chlorotoluene	µg/kg	53 U	61 U	59 U	60 U	58 U
Bromobenzene	µg/kg	53 U	61 U	59 U	60 U	58 U
Bromodichloromethane	µg/kg	53 U	61 U	59 U	60 U	58 U
Bromoform	µg/kg	53 U	61 U	59 U	60 U	58 U
Bromomethane	µg/kg	53 U	61 U	59 U	60 U	58 U
Carbon disulfide	µg/kg	53 U	61 U	59 U	60 U	58 U
Carbon tetrachloride	µg/kg	53 U	61 U	59 U	60 U	58 U
Chlorobenzene	µg/kg	53 U	61 U	59 U	60 U	58 U
Chloroform	µg/kg	53 U	61 U	59 U	60 U	58 U
Chloromethane	µg/kg	53 U	61 U	59 U	60 U	58 U
cis-1,3-Dichloropropene	µg/kg	53 U	61 U	59 U	60 U	58 U
Dibromochloromethane	µg/kg	53 U	61 U	59 U	60 U	58 U
Dibromomethane	µg/kg	53 U	61 U	59 U	60 U	58 U
Dichlorodifluoromethane	µg/kg	53 U	61 U	59 U	60 U	58 U
Methyl ethyl ketone	µg/kg	270 U	300 U	290 U	430	290 U
Methyl iso butyl ketone	µg/kg	270 U	300 U	290 U	300 U	290 U
trans-1,3-Dichloropropene	µg/kg	53 U	61 U	59 U	60 U	58 U
Trichlorofluoromethane	µg/kg	53 U	61 U	59 U	60 U	58 U
Vinyl acetate	µg/kg	270 U	300 U	290 U	300 U	290 U

	Event	Whitehead Sampling (August 2000)				
	Location	WH-7	WH-7	WH-7	WH-7	WH-8
	SampleID	**WH7-11**	**WH7-14**	**WH7-15.5**	**WH7-16.5**	**WH8-11**
	Depth (bgs)	11 ft	14 ft	15.5 ft	16.5 ft	11 ft
	Sample Date	08/09/2000	08/09/2000	08/09/2000	08/09/2000	08/10/2000
Total Petroleum Hydrocarbons						
Gasoline	mg/kg	5.3 U			30 U	5.8 U
BTEX						
Benzene	µg/kg	5000 U	61 U	59 U	60 U	58 U
Toluene	µg/kg	5000 U	61 U	240	78	58 U
Ethylbenzene	µg/kg	53 U	61 U	59 U	300 U	58 U
Xylene (meta & para)	µg/kg	110 U	120 U	120 U	300 U	58 U
Xylene (ortho)	µg/kg	53 U	61 U	59 U	300 U	58 U
Xylene (total)	µg/kg	5000 U	120 U	120 U	300 U	120 U
Alkylated Benzenes						
1,3,5-Trimethylbenzene	µg/kg	53 U	61 U	59 U	60 U	58 U
n-Propylbenzene	µg/kg	53 U	61 U	59 U	60 U	58 U
1,2,4-Trimethylbenzene	µg/kg	53 U	61 U	59 U	60 U	58 U
Cymene	µg/kg	53 U	61 U	59 U	60 U	58 U
iso-Propylbenzene	µg/kg	53 U	61 U	59 U	60 U	58 U
n-Butylbenzene	µg/kg	53 U	61 U	59 U	60 U	58 U
sec-Butylbenzene	µg/kg	53 U	61 U	59 U	60 U	58 U
Styrene	µg/kg	53 U	61 U	59 U	60 U	58 U
tert-Butylbenzene	µg/kg	53 U	61 U	59 U	60 U	58 U
Semivolatile Organic Compounds						
Benzo(a)anthracene	µg/kg	35 U			40 U	39 U
Benzo(a)pyrene	µg/kg	35 U			40 U	39 U
Benzo(g,h,i)perylene	µg/kg	35 U			40 U	39 U
Benzo(b)fluoranthene	µg/kg	35 U			40 U	39 U
Benzo(k)fluoranthene	µg/kg	35 U			40 U	39 U
Chrysene	µg/kg	35 U			40 U	39 U
Dibenzo(a,h)anthracene	µg/kg	35 U			40 U	39 U
Fluoranthene	µg/kg	35 U			40 U	39 U
Indeno(1,2,3-cd)pyrene	µg/kg	35 U			40 U	39 U
Pyrene	µg/kg	35 U			40 U	39 U
Acenaphthene	µg/kg	35 U			40 U	39 U
Acenaphthylene	µg/kg	35 U			40 U	39 U
Anthracene	µg/kg	35 U			40 U	39 U
Fluorene	µg/kg	35 U			40 U	39 U
Naphthalene	µg/kg	53 U	61 U	59 U	60 U	58 U
Phenanthrene	µg/kg	35 U			40 U	39 U
2-Methylnaphthalene	µg/kg	35 U			40 U	39 U
bis(2-ethylhexyl)phthalate	µg/kg	180 U			200 U	190 U
Di-n-butyl phthalate	µg/kg	35 U			40 U	39 U
Butyl benzyl phthalate	µg/kg	35 U			40 U	39 U
Diethylphthalate	µg/kg	35 U			40 U	39 U
Dimethyl phthalate	µg/kg	35 U			40 U	39 U
Di-n-octyl phthalate	µg/kg	35 U			40 U	39 U
Pentachlorophenol	µg/kg	350 U			1400	390 U
2,4-Dichlorophenol	µg/kg	350 U			400 U	390 U
2,4,5-Trichlorophenol	µg/kg	350 U			400 U	390 U
2,4,6-Trichlorophenol	µg/kg	350 U			400 U	390 U
2-Chlorophenol	µg/kg	35 U			40 U	39 U
2,4-Dimethylphenol	µg/kg	35 U			40 U	39 U

	Event	Whitehead Sampling (August 2000)				
	Location	WH-7	WH-7	WH-7	WH-7	WH-8
	SampleID	**WH7-11**	**WH7-14**	**WH7-15.5**	**WH7-16.5**	**WH8-11**
	Depth (bgs)	11 ft	14 ft	15.5 ft	16.5 ft	11 ft
	Sample Date	08/09/2000	08/09/2000	08/09/2000	08/09/2000	08/10/2000
Semivolatile Organic Compounds						
2,4-Dinitrophenol	µg/kg	350 U			400 U	390 U
2,4-Dinitrotoluene	µg/kg	35 U			40 U	39 U
2,6-Dinitrotoluene	µg/kg	35 U			40 U	39 U
2-Chloronaphthalene	µg/kg	35 U			40 U	39 U
2-Methylphenol	µg/kg	35 U			40 U	39 U
2-Nitroaniline	µg/kg	350 U			400 U	390 U
2-Nitrophenol	µg/kg	350 U			400 U	390 U
3,3'-Dichlorobenzidine	µg/kg	35 U			40 U	39 U
3-Nitroaniline	µg/kg	350 U			400 U	390 U
4,6-Dinitro-o-cresol	µg/kg	350 U			400 U	390 U
4-Bromophenyl phenyl ether	µg/kg	35 U			40 U	39 U
4-Chloro-3-methylphenol	µg/kg	350 U			400 U	390 U
4-Chloroaniline	µg/kg	35 U			40 U	39 U
4-Chlorophenyl phenyl ether	µg/kg	35 U			40 U	39 U
4-Methylphenol	µg/kg	35 U			40 U	39 U
4-Nitroaniline	µg/kg	350 U			400 U	390 U
4-Nitrophenol	µg/kg	350 U			400 U	390 U
Aniline	µg/kg	35 U			40 U	39 U
Benzidine	µg/kg	350 U			400 U	390 U
Benzoic acid	µg/kg	890 U			1000 U	970 U
Benzyl alcohol	µg/kg	35 U			40 U	39 U
bis(2-chloroethoxy)methane	µg/kg	35 U			40 U	39 U
bis(2-chloroethyl)ether	µg/kg	35 U			40 U	39 U
bis(2-chloroisopropyl)ether	µg/kg	35 U			40 U	39 U
Carbazole	µg/kg	35 U			40 U	39 U
Dibenzofuran	µg/kg	35 U			40 U	39 U
Hexachlorobenzene	µg/kg	35 U			40 U	39 U
Hexachlorobutadiene	µg/kg	35 U	300 U	290 U	300 U	39 U
Hexachlorocyclopentadiene	µg/kg	350 U			400 U	390 U
Hexachloroethane	µg/kg	35 U			40 U	39 U
Isophorone	µg/kg	35 U			40 U	39 U
Nitrobenzene	µg/kg	35 U			40 U	39 U
N-Nitroso-di-n-propylamine	µg/kg	35 U			40 U	39 U
N-Nitrosodiphenylamine	µg/kg	35 U			40 U	39 U
Phenol	µg/kg	35 U			40 U	39 U

	Event	Whitehead Sampling (August 2000)				
	Location	WH-8	WH-8	WH-9	WH-9	WH-9
	SampleID	**WH8-12.5**	**WH8-16.5**	**WH9-11**	**WH9-12.5**	**WH9-14.5**
	Depth (bgs)	12.5 ft	16.5 ft	11 ft	12.5 ft	14.5 ft
	Sample Date	08/10/2000	08/10/2000	08/10/2000	08/10/2000	08/10/2000
Volatile Organic Compounds						
Tetrachloroethene	µg/kg	66 U	63 U	390	230	60 U
Trichloroethene	µg/kg	66 U	63 U	65 U	260	60 U
cis-1,2-Dichloroethene	µg/kg	66 U	69	65 U	96	60 U
trans-1,2-Dichloroethene	µg/kg	66 U	63 U	65 U	65 U	60 U
1,1-Dichloroethene	µg/kg	66 U	63 U	65 U	65 U	60 U
Vinyl chloride	µg/kg	66 U	63 U	65 U	65 U	60 U
1,1,1,2-Tetrachloroethane	µg/kg	66 U	63 U	65 U	65 U	60 U
1,1,1-Trichloroethane	µg/kg	66 U	63 U	65 U	65 U	60 U
1,1,2,2-Tetrachloroethane	µg/kg	66 U	63 U	65 U	65 U	60 U
1,1,2-Trichloroethane	µg/kg	66 U	63 U	65 U	65 U	60 U
1,1-Dichloroethane	µg/kg	66 U	63 U	65 U	65 U	60 U
Chloroethane	µg/kg	66 U	63 U	65 U	65 U	60 U
Acetone	µg/kg	330 U	320 U	320 U	320 U	300 U
Dichloromethane	µg/kg	330 U	320 U	320 U	320 U	300 U
1,1-Dichloropropene	µg/kg	66 U	63 U	65 U	65 U	60 U
1,2,3-Trichlorobenzene	µg/kg	66 U	63 U	65 U	65 U	60 U
1,2,3-Trichloropropane	µg/kg	66 U	63 U	65 U	65 U	60 U
1,2,4-Trichlorobenzene	µg/kg	66 U	63 U	43 U	43 U	40 U
1,2-Dibromo-3-chloropropane	µg/kg	330 U	320 U	320 U	320 U	300 U
1,2-Dibromoethane	µg/kg	66 U	63 U	65 U	65 U	60 U
1,2-Dichlorobenzene	µg/kg	66 U	63 U	43 U	43 U	40 U
1,2-Dichloroethane	µg/kg	66 U	63 U	65 U	65 U	60 U
1,2-Dichloropropane	µg/kg	66 U	63 U	65 U	65 U	60 U
1,3-Dichlorobenzene	µg/kg	66 U	63 U	43 U	43 U	60 U
1,3-Dichloropropane	µg/kg	66 U	63 U	65 U	65 U	60 U
1,4-Dichlorobenzene	µg/kg	66 U	63 U	65 U	65 U	60 U
2,2-Dichloropropane	µg/kg	66 U	63 U	65 U	65 U	60 U
2-Chloroethyl vinyl ether	µg/kg	330 U	320 U	320 U	320 U	300 U
2-Chlorotoluene	µg/kg	66 U	63 U	65 U	65 U	60 U
4-Chlorotoluene	µg/kg	66 U	63 U	65 U	65 U	60 U
Bromobenzene	µg/kg	66 U	63 U	65 U	65 U	60 U
Bromodichloromethane	µg/kg	66 U	63 U	65 U	65 U	60 U
Bromoform	µg/kg	66 U	63 U	65 U	65 U	60 U
Bromomethane	µg/kg	66 U	63 U	65 U	65 U	60 U
Carbon disulfide	µg/kg	66 U	63 U	65 U	65 U	60 U
Carbon tetrachloride	µg/kg	66 U	63 U	65 U	65 U	60 U
Chlorobenzene	µg/kg	66 U	63 U	65 U	65 U	60 U
Chloroform	µg/kg	66 U	63 U	65 U	65 U	60 U
Chloromethane	µg/kg	66 U	63 U	65 U	65 U	60 U
cis-1,3-Dichloropropene	µg/kg	66 U	63 U	65 U	65 U	60 U
Dibromochloromethane	µg/kg	66 U	63 U	65 U	65 U	60 U
Dibromomethane	µg/kg	66 U	63 U	65 U	65 U	60 U
Dichlorodifluoromethane	µg/kg	66 U	63 U	65 U	65 U	60 U
Methyl ethyl ketone	µg/kg	330 U	320 U	320 U	320 U	300 U
Methyl iso butyl ketone	µg/kg	330 U	320 U	320 U	320 U	300 U
trans-1,3-Dichloropropene	µg/kg	66 U	63 U	65 U	65 U	60 U
Trichlorofluoromethane	µg/kg	66 U	63 U	65 U	65 U	60 U
Vinyl acetate	µg/kg	330 U	320 U	320 U	320 U	300 U

	Event	Whitehead Sampling (August 2000)				
	Location	WH-8	WH-8	WH-9	WH-9	WH-9
	SampleID	**WH8-12.5**	**WH8-16.5**	**WH9-11**	**WH9-12.5**	**WH9-14.5**
	Depth (bgs)	12.5 ft	16.5 ft	11 ft	12.5 ft	14.5 ft
	Sample Date	08/10/2000	08/10/2000	08/10/2000	08/10/2000	08/10/2000
Total Petroleum Hydrocarbons						
Gasoline	mg/kg		32 U	6.5 U	32 U	6 U
BTEX						
Benzene	µg/kg	66 U	63 U	65 U	65 U	60 U
Toluene	µg/kg	66 U	63 U	65 U	320 U	60 U
Ethylbenzene	µg/kg	66 U	63 U	65 U	320 U	60 U
Xylene (meta & para)	µg/kg	130 U	130 U	130 U	130 U	120 U
Xylene (ortho)	µg/kg	66 U	320 U	65 U	65 U	60 U
Xylene (total)	µg/kg	130 U	320 U	130 U	320 U	120 U
Alkylated Benzenes						
1,3,5-Trimethylbenzene	µg/kg	66 U	63 U	65 U	65 U	60 U
n-Propylbenzene	µg/kg	66 U	63 U	65 U	65 U	60 U
1,2,4-Trimethylbenzene	µg/kg	66 U	63 U	65 U	65 U	60 U
Cymene	µg/kg	66 U	63 U	65 U	65 U	60 U
iso-Propylbenzene	µg/kg	66 U	63 U	65 U	65 U	60 U
n-Butylbenzene	µg/kg	66 U	63 U	65 U	65 U	60 U
sec-Butylbenzene	µg/kg	66 U	63 U	65 U	65 U	60 U
Styrene	µg/kg	66 U	63 U	65 U	65 U	60 U
tert-Butylbenzene	µg/kg	66 U	63 U	65 U	65 U	60 U
Semivolatile Organic Compounds						
Benzo(a)anthracene	µg/kg		42 U	43 U	43 U	40 U
Benzo(a)pyrene	µg/kg		42 U	43 U	43 U	40 U
Benzo(g,h,i)perylene	µg/kg		42 U	43 U	43 U	40 U
Benzo(b)fluoranthene	µg/kg		42 U	43 U	43 U	40 U
Benzo(k)fluoranthene	µg/kg		42 U	43 U	43 U	40 U
Chrysene	µg/kg		42 U	43 U	43 U	40 U
Dibenzo(a,h)anthracene	µg/kg		42 U	43 U	43 U	40 U
Fluoranthene	µg/kg		42 U	43 U	43 U	40 U
Indeno(1,2,3-cd)pyrene	µg/kg		42 U	43 U	43 U	40 U
Pyrene	µg/kg		42 U	43 U	43 U	40 U
Acenaphthene	µg/kg		42 U	43 U	43 U	40 U
Acenaphthylene	µg/kg		42 U	43 U	43 U	40 U
Anthracene	µg/kg		42 U	43 U	43 U	40 U
Fluorene	µg/kg		42 U	43 U	43 U	40 U
Naphthalene	µg/kg	66 U	42 U	65 U	43 U	60 U
Phenanthrene	µg/kg		42 U	43 U	43 U	40 U
2-Methylnaphthalene	µg/kg		42 U	43 U	43 U	40 U
bis(2-ethylhexyl)phthalate	µg/kg		210 U	220 U	220 U	200 U
Di-n-butyl phthalate	µg/kg		42 U	43 U	43 U	40 U
Butyl benzyl phthalate	µg/kg		42 U	43 U	43 U	40 U
Diethylphthalate	µg/kg		42 U	43 U	43 U	40 U
Dimethyl phthalate	µg/kg		42 U	43 U	43 U	40 U
Di-n-octyl phthalate	µg/kg		42 U	43 U	43 U	40 U
Pentachlorophenol	µg/kg		420 U	430 U	430 U	400 U
2,4-Dichlorophenol	µg/kg		420 U	430 U	430 U	400 U
2,4,5-Trichlorophenol	µg/kg		420 U	430 U	430 U	400 U
2,4,6-Trichlorophenol	µg/kg		420 U	430 U	430 U	400 U
2-Chlorophenol	µg/kg		42 U	43 U	43 U	40 U
2,4-Dimethylphenol	µg/kg		42 U	43 U	43 U	40 U

	Event	**Whitehead Sampling (August 2000)**				
	Location	WH-8	WH-8	WH-9	WH-9	WH-9
	SampleID	**WH8-12.5**	**WH8-16.5**	**WH9-11**	**WH9-12.5**	**WH9-14.5**
	Depth (bgs)	12.5 ft	16.5 ft	11 ft	12.5 ft	14.5 ft
	Sample Date	08/10/2000	08/10/2000	08/10/2000	08/10/2000	08/10/2000
Semivolatile Organic Compounds						
2,4-Dinitrophenol	µg/kg		420 U	430 U	430 U	400 U
2,4-Dinitrotoluene	µg/kg		42 U	43 U	43 U	40 U
2,6-Dinitrotoluene	µg/kg		42 U	43 U	43 U	40 U
2-Chloronaphthalene	µg/kg		42 U	43 U	43 U	40 U
2-Methylphenol	µg/kg		42 U	43 U	43 U	40 U
2-Nitroaniline	µg/kg		420 U	430 U	430 U	400 U
2-Nitrophenol	µg/kg		420 U	430 U	430 U	400 U
3,3'-Dichlorobenzidine	µg/kg		42 U	43 U	43 U	40 U
3-Nitroaniline	µg/kg		420 U	430 U	430 U	400 U
4,6-Dinitro-o-cresol	µg/kg		420 U	430 U	430 U	400 U
4-Bromophenyl phenyl ether	µg/kg		42 U	43 U	43 U	40 U
4-Chloro-3-methylphenol	µg/kg		420 U	430 U	430 U	400 U
4-Chloroaniline	µg/kg		42 U	43 U	43 U	40 U
4-Chlorophenyl phenyl ether	µg/kg		42 U	43 U	43 U	40 U
4-Methylphenol	µg/kg		42 U	43 U	43 U	40 U
4-Nitroaniline	µg/kg		420 U	430 U	430 U	400 U
4-Nitrophenol	µg/kg		420 U	430 U	430 U	400 U
Aniline	µg/kg		42 U	43 U	43 U	40 U
Benzidine	µg/kg		420 U	430 U	430 U	400 U
Benzoic acid	µg/kg		1100 U	1100 U	1100 U	1000 U
Benzyl alcohol	µg/kg		42 U	43 U	43 U	40 U
bis(2-chloroethoxy)methane	µg/kg		42 U	43 U	43 U	40 U
bis(2-chloroethyl)ether	µg/kg		42 U	43 U	43 U	40 U
bis(2-chloroisopropyl)ether	µg/kg		42 U	43 U	43 U	40 U
Carbazole	µg/kg		42 U	43 U	43 U	40 U
Dibenzofuran	µg/kg		42 U	43 U	43 U	40 U
Hexachlorobenzene	µg/kg		42 U	43 U	43 U	40 U
Hexachlorobutadiene	µg/kg	330 U	320 U	43 U	43 U	40 U
Hexachlorocyclopentadiene	µg/kg		420 U	430 U	430 U	400 U
Hexachloroethane	µg/kg		42 U	43 U	43 U	40 U
Isophorone	µg/kg		42 U	43 U	43 U	40 U
Nitrobenzene	µg/kg		42 U	43 U	43 U	40 U
N-Nitroso-di-n-propylamine	µg/kg		42 U	600	43 U	40 U
N-Nitrosodiphenylamine	µg/kg		42 U	43 U	43 U	40 U
Phenol	µg/kg		42 U	43 U	43 U	40 U

	Event	Whitehead Sampling (August 2000)				
	Location	WH-10	WH-10	WH-10	WH-10	WH-10
	SampleID	**WH10-11**	**WH10-11 DUP**	**WH10-12.5**	**WH10-14**	**WH10-16.5**
	Depth (bgs)	11 ft	11 ft	12.5 ft	14 ft	16.5 ft
	Sample Date	08/10/2000	08/10/2000	08/10/2000	08/10/2000	08/10/2000
Volatile Organic Compounds						
Tetrachloroethene	µg/kg	570		100	61 U	140
Trichloroethene	µg/kg	53 U		61 U	61 U	63 U
cis-1,2-Dichloroethene	µg/kg	53 U		61 U	61 U	63 U
trans-1,2-Dichloroethene	µg/kg	53 U		61 U	61 U	63 U
1,1-Dichloroethene	µg/kg	53 U		61 U	61 U	63 U
Vinyl chloride	µg/kg	53 U		61 U	61 U	63 U
1,1,1,2-Tetrachloroethane	µg/kg	53 U		61 U	61 U	63 U
1,1,1-Trichloroethane	µg/kg	53 U		61 U	61 U	63 U
1,1,2,2-Tetrachloroethane	µg/kg	53 U		61 U	61 U	63 U
1,1,2-Trichloroethane	µg/kg	53 U		61 U	61 U	63 U
1,1-Dichloroethane	µg/kg	53 U		61 U	61 U	63 U
Chloroethane	µg/kg	53 U		61 U	61 U	63 U
Acetone	µg/kg	260 U		300 U	300 U	310 U
Dichloromethane	µg/kg	260 U		300 U	300 U	310 U
1,1-Dichloropropene	µg/kg	53 U		61 U	61 U	63 U
1,2,3-Trichlorobenzene	µg/kg	53 U		61 U	61 U	63 U
1,2,3-Trichloropropane	µg/kg	53 U		61 U	61 U	63 U
1,2,4-Trichlorobenzene	µg/kg	35 U		61 U	61 U	42 U
1,2-Dibromo-3-chloropropane	µg/kg	260 U		300 U	300 U	310 U
1,2-Dibromoethane	µg/kg	53 U		61 U	61 U	63 U
1,2-Dichlorobenzene	µg/kg	53 U		61 U	61 U	42 U
1,2-Dichloroethane	µg/kg	53 U		61 U	61 U	63 U
1,2-Dichloropropane	µg/kg	53 U		61 U	61 U	63 U
1,3-Dichlorobenzene	µg/kg	53 U		61 U	61 U	42 U
1,3-Dichloropropane	µg/kg	53 U		61 U	61 U	63 U
1,4-Dichlorobenzene	µg/kg	53 U		61 U	61 U	42 U
2,2-Dichloropropane	µg/kg	53 U		61 U	61 U	63 U
2-Chloroethyl vinyl ether	µg/kg	260 U		300 U	300 U	310 U
2-Chlorotoluene	µg/kg	53 U		61 U	61 U	63 U
4-Chlorotoluene	µg/kg	53 U		61 U	61 U	63 U
Bromobenzene	µg/kg	53 U		61 U	61 U	63 U
Bromodichloromethane	µg/kg	53 U		61 U	61 U	63 U
Bromoform	µg/kg	53 U		61 U	61 U	63 U
Bromomethane	µg/kg	53 U		61 U	61 U	63 U
Carbon disulfide	µg/kg	53 U		61 U	61 U	63 U
Carbon tetrachloride	µg/kg	53 U		61 U	61 U	63 U
Chlorobenzene	µg/kg	53 U		61 U	61 U	63 U
Chloroform	µg/kg	53 U		61 U	61 U	63 U
Chloromethane	µg/kg	53 U		61 U	61 U	63 U
cis-1,3-Dichloropropene	µg/kg	53 U		61 U	61 U	63 U
Dibromochloromethane	µg/kg	53 U		61 U	61 U	63 U
Dibromomethane	µg/kg	53 U		61 U	61 U	63 U
Dichlorodifluoromethane	µg/kg	53 U		61 U	61 U	63 U
Methyl ethyl ketone	µg/kg	260 U		300 U	300 U	310 U
Methyl iso butyl ketone	µg/kg	260 U		300 U	300 U	310 U
trans-1,3-Dichloropropene	µg/kg	53 U		61 U	61 U	63 U
Trichlorofluoromethane	µg/kg	53 U		61 U	61 U	63 U
Vinyl acetate	µg/kg	260 U		300 U	300 U	310 U

	Event	Whitehead Sampling (August 2000)				
	Location	WH-10	WH-10	WH-10	WH-10	WH-10
	SampleID	**WH10-11**	**WH10-11 DUP**	**WH10-12.5**	**WH10-14**	**WH10-16.5**
	Depth (bgs)	11 ft	11 ft	12.5 ft	14 ft	16.5 ft
	Sample Date	08/10/2000	08/10/2000	08/10/2000	08/10/2000	08/10/2000
Total Petroleum Hydrocarbons						
Gasoline	mg/kg	5.3 U	5 U			6.3 U
BTEX						
Benzene	µg/kg	53 U	50 U	61 U	61 U	63 U
Toluene	µg/kg	53 U	50 U	61 U	61 U	63 U
Ethylbenzene	µg/kg	53 U	50 U	61 U	61 U	63 U
Xylene (meta & para)	µg/kg	53 U	50 U	120 U	120 U	130 U
Xylene (ortho)	µg/kg	53 U	50 U	61 U	61 U	63 U
Xylene (total)	µg/kg	110 U	50 U	120 U	120 U	130 U
Alkylated Benzenes						
1,3,5-Trimethylbenzene	µg/kg	53 U		61 U	61 U	63 U
n-Propylbenzene	µg/kg	53 U		61 U	61 U	63 U
1,2,4-Trimethylbenzene	µg/kg	53 U		61 U	61 U	63 U
Cymene	µg/kg	53 U		61 U	61 U	63 U
iso-Propylbenzene	µg/kg	53 U		61 U	61 U	63 U
n-Butylbenzene	µg/kg	53 U		61 U	61 U	63 U
sec-Butylbenzene	µg/kg	53 U		61 U	61 U	63 U
Styrene	µg/kg	53 U		61 U	61 U	63 U
tert-Butylbenzene	µg/kg	53 U		61 U	61 U	63 U
Semivolatile Organic Compounds						
Benzo(a)anthracene	µg/kg	35 U				42 U
Benzo(a)pyrene	µg/kg	35 U				42 U
Benzo(g,h,i)perylene	µg/kg	35 U				42 U
Benzo(b)fluoranthene	µg/kg	35 U				42 U
Benzo(k)fluoranthene	µg/kg	35 U				42 U
Chrysene	µg/kg	35 U				42 U
Dibenzo(a,h)anthracene	µg/kg	35 U				42 U
Fluoranthene	µg/kg	35 U				42 U
Indeno(1,2,3-cd)pyrene	µg/kg	35 U				42 U
Pyrene	µg/kg	35 U				42 U
Acenaphthene	µg/kg	35 U				42 U
Acenaphthylene	µg/kg	35 U				42 U
Anthracene	µg/kg	35 U				42 U
Fluorene	µg/kg	35 U				42 U
Naphthalene	µg/kg	53 U		61 U	61 U	63 U
Phenanthrene	µg/kg	35 U				42 U
2-Methylnaphthalene	µg/kg	35 U				42 U
bis(2-ethylhexyl)phthalate	µg/kg	180 U				210 U
Di-n-butyl phthalate	µg/kg	35 U				42 U
Butyl benzyl phthalate	µg/kg	35 U				42 U
Diethylphthalate	µg/kg	35 U				42 U
Dimethyl phthalate	µg/kg	35 U				42 U
Di-n-octyl phthalate	µg/kg	35 U				42 U
Pentachlorophenol	µg/kg	350 U				420 U
2,4-Dichlorophenol	µg/kg	350 U				420 U
2,4,5-Trichlorophenol	µg/kg	350 U				420 U
2,4,6-Trichlorophenol	µg/kg	350 U				420 U
2-Chlorophenol	µg/kg	35 U				42 U
2,4-Dimethylphenol	µg/kg	35 U				42 U

	Event	Whitehead Sampling (August 2000)				
	Location	WH-10	WH-10	WH-10	WH-10	WH-10
	SampleID	**WH10-11**	**WH10-11 DUP**	**WH10-12.5**	**WH10-14**	**WH10-16.5**
	Depth (bgs)	11 ft	11 ft	12.5 ft	14 ft	16.5 ft
	Sample Date	08/10/2000	08/10/2000	08/10/2000	08/10/2000	08/10/2000
Semivolatile Organic Compounds						
2,4-Dinitrophenol	µg/kg	350 U				420 U
2,4-Dinitrotoluene	µg/kg	35 U				42 U
2,6-Dinitrotoluene	µg/kg	35 U				42 U
2-Chloronaphthalene	µg/kg	35 U				42 U
2-Methylphenol	µg/kg	35 U				42 U
2-Nitroaniline	µg/kg	350 U				420 U
2-Nitrophenol	µg/kg	350 U				420 U
3,3'-Dichlorobenzidine	µg/kg	35 U				42 U
3-Nitroaniline	µg/kg	350 U				420 U
4,6-Dinitro-o-cresol	µg/kg	350 U				420 U
4-Bromophenyl phenyl ether	µg/kg	35 U				42 U
4-Chloro-3-methylphenol	µg/kg	350 U				420 U
4-Chloroaniline	µg/kg	35 U				42 U
4-Chlorophenyl phenyl ether	µg/kg	35 U				42 U
4-Methylphenol	µg/kg	35 U				42 U
4-Nitroaniline	µg/kg	350 U				420 U
4-Nitrophenol	µg/kg	350 U				420 U
Aniline	µg/kg	35 U				42 U
Benzidine	µg/kg	350 U				420 U
Benzoic acid	µg/kg	880 U				1000 U
Benzyl alcohol	µg/kg	35 U				42 U
bis(2-chloroethoxy)methane	µg/kg	35 U				42 U
bis(2-chloroethyl)ether	µg/kg	35 U				42 U
bis(2-chloroisopropyl)ether	µg/kg	35 U				42 U
Carbazole	µg/kg	35 U				42 U
Dibenzofuran	µg/kg	35 U				42 U
Hexachlorobenzene	µg/kg	35 U				42 U
Hexachlorobutadiene	µg/kg	35 U		300 U	300 U	310 U
Hexachlorocyclopentadiene	µg/kg	350 U				420 U
Hexachloroethane	µg/kg	35 U				42 U
Isophorone	µg/kg	35 U				42 U
Nitrobenzene	µg/kg	35 U				42 U
N-Nitroso-di-n-propylamine	µg/kg	35 U				42 U
N-Nitrosodiphenylamine	µg/kg	35 U				42 U
Phenol	µg/kg	35 U				42 U

	Event	Whitehead Sampling (August 2000)				
	Location	WH-11	WH-11			
	SampleID	**WH11-11**	**WH11-12.5**			
	Depth (bgs)	11 ft	12.5 ft			
	Sample Date	08/10/2000	08/10/2000			
Volatile Organic Compounds						
Tetrachloroethene	µg/kg	590	220			
Trichloroethene	µg/kg	61 U	66 U			
cis-1,2-Dichloroethene	µg/kg	61 U	66 U			
trans-1,2-Dichloroethene	µg/kg	61 U	66 U			
1,1-Dichloroethene	µg/kg	61 U	66 U			
Vinyl chloride	µg/kg	61 U	66 U			
1,1,1,2-Tetrachloroethane	µg/kg	61 U	66 U			
1,1,1-Trichloroethane	µg/kg	61 U	66 U			
1,1,2,2-Tetrachloroethane	µg/kg	61 U	66 U			
1,1,2-Trichloroethane	µg/kg	61 U	66 U			
1,1-Dichloroethane	µg/kg	61 U	66 U			
Chloroethane	µg/kg	61 U	66 U			
Acetone	µg/kg	300 U	330 U			
Dichloromethane	µg/kg	300 U	330 U			
1,1-Dichloropropene	µg/kg	61 U	66 U			
1,2,3-Trichlorobenzene	µg/kg	61 U	66 U			
1,2,3-Trichloropropane	µg/kg	61 U	66 U			
1,2,4-Trichlorobenzene	µg/kg	41 U	44 U			
1,2-Dibromo-3-chloropropane	µg/kg	300 U	330 U			
1,2-Dibromoethane	µg/kg	61 U	66 U			
1,2-Dichlorobenzene	µg/kg	61 U	66 U			
1,2-Dichloroethane	µg/kg	61 U	66 U			
1,2-Dichloropropane	µg/kg	61 U	66 U			
1,3-Dichlorobenzene	µg/kg	61 U	66 U			
1,3-Dichloropropane	µg/kg	61 U	66 U			
1,4-Dichlorobenzene	µg/kg	61 U	66 U			
2,2-Dichloropropane	µg/kg	61 U	66 U			
2-Chloroethyl vinyl ether	µg/kg	300 U	330 U			
2-Chlorotoluene	µg/kg	61 U	66 U			
4-Chlorotoluene	µg/kg	61 U	66 U			
Bromobenzene	µg/kg	61 U	66 U			
Bromodichloromethane	µg/kg	61 U	66 U			
Bromoform	µg/kg	61 U	66 U			
Bromomethane	µg/kg	61 U	66 U			
Carbon disulfide	µg/kg	61 U	66 U			
Carbon tetrachloride	µg/kg	61 U	66 U			
Chlorobenzene	µg/kg	61 U	66 U			
Chloroform	µg/kg	61 U	66 U			
Chloromethane	µg/kg	61 U	66 U			
cis-1,3-Dichloropropene	µg/kg	61 U	66 U			
Dibromochloromethane	µg/kg	61 U	66 U			
Dibromomethane	µg/kg	61 U	66 U			
Dichlorodifluoromethane	µg/kg	61 U	66 U			
Methyl ethyl ketone	µg/kg	300 U	330 U			
Methyl iso butyl ketone	µg/kg	300 U	330 U			
trans-1,3-Dichloropropene	µg/kg	61 U	66 U			
Trichlorofluoromethane	µg/kg	61 U	66 U			
Vinyl acetate	µg/kg	300 U	330 U			

	Event	Whitehead Sampling (August 2000)				
	Location	WH-11	WH-11			
	SampleID	**WH11-11**	**WH11-12.5**			
	Depth (bgs)	11 ft	12.5 ft			
	Sample Date	08/10/2000	08/10/2000			
Total Petroleum Hydrocarbons						
Gasoline	mg/kg	6.1 U	6.6 U			
BTEX						
Benzene	µg/kg	61 U	66 U			
Toluene	µg/kg	61 U	66 U			
Ethylbenzene	µg/kg	61 U	66 U			
Xylene (meta & para)	µg/kg	61 U	130 U			
Xylene (ortho)	µg/kg	61 U	66 U			
Xylene (total)	µg/kg	120 U	130 U			
Alkylated Benzenes						
1,3,5-Trimethylbenzene	µg/kg	61 U	66 U			
n-Propylbenzene	µg/kg	61 U	66 U			
1,2,4-Trimethylbenzene	µg/kg	61 U	66 U			
Cymene	µg/kg	61 U	66 U			
iso-Propylbenzene	µg/kg	61 U	66 U			
n-Butylbenzene	µg/kg	61 U	66 U			
sec-Butylbenzene	µg/kg	61 U	66 U			
Styrene	µg/kg	61 U	66 U			
tert-Butylbenzene	µg/kg	61 U	66 U			
Semivolatile Organic Compounds						
Benzo(a)anthracene	µg/kg	41 U	44 U			
Benzo(a)pyrene	µg/kg	41 U	44 U			
Benzo(g,h,i)perylene	µg/kg	41 U	44 U			
Benzo(b)fluoranthene	µg/kg	41 U	44 U			
Benzo(k)fluoranthene	µg/kg	41 U	44 U			
Chrysene	µg/kg	41 U	44 U			
Dibenzo(a,h)anthracene	µg/kg	41 U	44 U			
Fluoranthene	µg/kg	41 U	44 U			
Indeno(1,2,3-cd)pyrene	µg/kg	41 U	44 U			
Pyrene	µg/kg	41 U	44 U			
Acenaphthene	µg/kg	41 U	44 U			
Acenaphthylene	µg/kg	41 U	44 U			
Anthracene	µg/kg	41 U	44 U			
Fluorene	µg/kg	41 U	44 U			
Naphthalene	µg/kg	41 U	66 U			
Phenanthrene	µg/kg	41 U	44 U			
2-Methylnaphthalene	µg/kg	41 U	44 U			
bis(2-ethylhexyl)phthalate	µg/kg	200 U	220 U			
Di-n-butyl phthalate	µg/kg	41 U	44 U			
Butyl benzyl phthalate	µg/kg	41 U	44 U			
Diethylphthalate	µg/kg	41 U	44 U			
Dimethyl phthalate	µg/kg	41 U	44 U			
Di-n-octyl phthalate	µg/kg	41 U	44 U			
Pentachlorophenol	µg/kg	410 U	440 U			
2,4-Dichlorophenol	µg/kg	410 U	440 U			
2,4,5-Trichlorophenol	µg/kg	410 U	440 U			
2,4,6-Trichlorophenol	µg/kg	410 U	440 U			
2-Chlorophenol	µg/kg	41 U	44 U			
2,4-Dimethylphenol	µg/kg	41 U	44 U			

	Event	Whitehead Sampling (August 2000)				
	Location	WH-11	WH-11			
	SampleID	**WH11-11**	**WH11-12.5**			
	Depth (bgs)	11 ft	12.5 ft			
	Sample Date	08/10/2000	08/10/2000			
Semivolatile Organic Compounds						
2,4-Dinitrophenol	µg/kg	410 U	440 U			
2,4-Dinitrotoluene	µg/kg	41 U	44 U			
2,6-Dinitrotoluene	µg/kg	41 U	44 U			
2-Chloronaphthalene	µg/kg	41 U	44 U			
2-Methylphenol	µg/kg	41 U	44 U			
2-Nitroaniline	µg/kg	410 U	440 U			
2-Nitrophenol	µg/kg	410 U	440 U			
3,3'-Dichlorobenzidine	µg/kg	41 U	44 U			
3-Nitroaniline	µg/kg	410 U	440 U			
4,6-Dinitro-o-cresol	µg/kg	410 U	440 U			
4-Bromophenyl phenyl ether	µg/kg	41 U	44 U			
4-Chloro-3-methylphenol	µg/kg	410 U	440 U			
4-Chloroaniline	µg/kg	41 U	44 U			
4-Chlorophenyl phenyl ether	µg/kg	41 U	44 U			
4-Methylphenol	µg/kg	41 U	44 U			
4-Nitroaniline	µg/kg	410 U	440 U			
4-Nitrophenol	µg/kg	410 U	440 U			
Aniline	µg/kg	41 U	44 U			
Benzidine	µg/kg	410 U	440 U			
Benzoic acid	µg/kg	1000 U	1100 U			
Benzyl alcohol	µg/kg	41 U	44 U			
bis(2-chloroethoxy)methane	µg/kg	41 U	44 U			
bis(2-chloroethyl)ether	µg/kg	41 U	44 U			
bis(2-chloroisopropyl)ether	µg/kg	41 U	44 U			
Carbazole	µg/kg	41 U	44 U			
Dibenzofuran	µg/kg	41 U	44 U			
Hexachlorobenzene	µg/kg	41 U	44 U			
Hexachlorobutadiene	µg/kg	300 U	330 U			
Hexachlorocyclopentadiene	µg/kg	410 U	440 U			
Hexachloroethane	µg/kg	41 U	44 U			
Isophorone	µg/kg	41 U	44 U			
Nitrobenzene	µg/kg	41 U	44 U			
N-Nitroso-di-n-propylamine	µg/kg	41 U	44 U			
N-Nitrosodiphenylamine	µg/kg	41 U	44 U			
Phenol	µg/kg	41 U	44 U			

	Event	Northwest Corner Sampling (July 2000)				
	Location	NW-1	NW-1	NW-1	NW-2	NW-2
	SampleID	**NW1-8**	**NW1-14.5**	**NW1-16**	**NW2-6.5**	**NW2-10.5**
	Depth (bgs)	8 ft	14.5 ft	16 ft	6.5 ft	10.5 ft
	Sample Date	07/13/2000	07/13/2000	07/13/2000	07/13/2000	07/13/2000
Volatile Organic Compounds						
Tetrachloroethene	µg/kg	270	67 U	65 U	340	93
Trichloroethene	µg/kg	53 U	67 U	65 U	60 U	55 U
cis-1,2-Dichloroethene	µg/kg	53 U	67 U	65 U	60 U	55 U
trans-1,2-Dichloroethene	µg/kg	53 U	67 U	65 U	60 U	55 U
1,1-Dichloroethene	µg/kg	53 U	67 U	65 U	60 U	55 U
Vinyl chloride	µg/kg	53 U	67 U	65 U	60 U	55 U
1,1,1,2-Tetrachloroethane	µg/kg	53 U	67 U	65 U	60 U	55 U
1,1,1-Trichloroethane	µg/kg	53 U	67 U	65 U	60 U	55 U
1,1,2,2-Tetrachloroethane	µg/kg	53 U	67 U	65 U	60 U	55 U
1,1,2-Trichloroethane	µg/kg	53 U	67 U	65 U	60 U	55 U
1,1-Dichloroethane	µg/kg	53 U	67 U	65 U	60 U	55 U
Chloroethane	µg/kg	53 U	67 U	65 U	60 U	55 U
Acetone	µg/kg	260 U	330 U	320 U	300 U	270 U
Dichloromethane	µg/kg	260 U	330 U	320 U	300 U	270 U
1,1-Dichloropropene	µg/kg	53 U	67 U	65 U	60 U	55 U
1,2,3-Trichlorobenzene	µg/kg	53 U	67 U	65 U	60 U	55 U
1,2,3-Trichloropropane	µg/kg	53 U	67 U	65 U	60 U	55 U
1,2,4-Trichlorobenzene	µg/kg	53 U	67 U	65 U	60 U	55 U
1,2-Dibromo-3-chloropropane	µg/kg	260 U	330 U	320 U	300 U	270 U
1,2-Dibromoethane	µg/kg	53 U	67 U	65 U	60 U	55 U
1,2-Dichlorobenzene	µg/kg	53 U	67 U	65 U	60 U	55 U
1,2-Dichloroethane	µg/kg	53 U	67 U	65 U	60 U	55 U
1,2-Dichloropropane	µg/kg	53 U	67 U	65 U	60 U	55 U
1,3-Dichlorobenzene	µg/kg	53 U	67 U	65 U	60 U	55 U
1,3-Dichloropropane	µg/kg	53 U	67 U	65 U	60 U	55 U
1,4-Dichlorobenzene	µg/kg	53 U	67 U	65 U	60 U	55 U
2,2-Dichloropropane	µg/kg	53 U	67 U	65 U	60 U	55 U
2-Chloroethyl vinyl ether	µg/kg	260 U	330 U	320 U	300 U	270 U
2-Chlorotoluene	µg/kg	53 U	67 U	65 U	60 U	55 U
4-Chlorotoluene	µg/kg	53 U	67 U	65 U	60 U	55 U
Bromobenzene	µg/kg	53 U	67 U	65 U	60 U	55 U
Bromodichloromethane	µg/kg	53 U	67 U	65 U	60 U	55 U
Bromoform	µg/kg	53 U	67 U	65 U	60 U	55 U
Bromomethane	µg/kg	53 U	67 U	65 U	60 U	55 U
Carbon disulfide	µg/kg	53 U	67 U	65 U	60 U	55 U
Carbon tetrachloride	µg/kg	53 U	67 U	65 U	60 U	55 U
Chlorobenzene	µg/kg	53 U	67 U	65 U	60 U	55 U
Chloroform	µg/kg	53 U	67 U	65 U	60 U	55 U
Chloromethane	µg/kg	53 U	67 U	65 U	60 U	55 U
cis-1,3-Dichloropropene	µg/kg	53 U	67 U	65 U	60 U	55 U
Dibromochloromethane	µg/kg	53 U	67 U	65 U	60 U	55 U
Dibromomethane	µg/kg	53 U	67 U	65 U	60 U	55 U
Dichlorodifluoromethane	µg/kg	53 U	67 U	65 U	60 U	55 U
Methyl ethyl ketone	µg/kg	260 U	330 U	320 U	300 U	270 U
Methyl iso butyl ketone	µg/kg	260 U	330 U	320 U	300 U	270 U
trans-1,3-Dichloropropene	µg/kg	53 U	67 U	65 U	60 U	55 U
Trichlorofluoromethane	µg/kg	53 U	67 U	65 U	60 U	55 U
Vinyl acetate	µg/kg	260 U	330 U	320 U	300 U	270 U

	Event	**Northwest Corner Sampling (July 2000)**				
	Location	NW-1	NW-1	NW-1	NW-2	NW-2
	SampleID	**NW1-8**	**NW1-14.5**	**NW1-16**	**NW2-6.5**	**NW2-10.5**
	Depth (bgs)	8 ft	14.5 ft	16 ft	6.5 ft	10.5 ft
	Sample Date	07/13/2000	07/13/2000	07/13/2000	07/13/2000	07/13/2000
Total Petroleum Hydrocarbons						
Diesel #2	mg/kg		25 U			25 U
Gasoline	mg/kg					5.5 U
Heavy Fuel Oil	mg/kg		50 U			50 U
BTEX						
Benzene	µg/kg	53 U	67 U	65 U	60 U	55 U
Toluene	µg/kg	53 U	67 U	65 U	60 U	55 U
Ethylbenzene	µg/kg	53 U	67 U	65 U	60 U	55 U
Xylene (meta & para)	µg/kg	110 U	130 U	130 U	120 U	110 U
Xylene (ortho)	µg/kg	53 U	67 U	65 U	60 U	55 U
Xylene (total)	µg/kg	110 U	130 U	130 U	120 U	110 U
Alkylated Benzenes						
1,3,5-Trimethylbenzene	µg/kg	53 U	67 U	65 U	60 U	55 U
n-Propylbenzene	µg/kg	53 U	67 U	65 U	60 U	55 U
1,2,4-Trimethylbenzene	µg/kg	53 U	67 U	65 U	60 U	55 U
Cymene	µg/kg	53 U	67 U	65 U	60 U	55 U
iso-Propylbenzene	µg/kg	53 U	67 U	65 U	60 U	55 U
n-Butylbenzene	µg/kg	53 U	67 U	65 U	60 U	55 U
sec-Butylbenzene	µg/kg	53 U	67 U	65 U	60 U	55 U
Styrene	µg/kg	53 U	67 U	65 U	60 U	55 U
tert-Butylbenzene	µg/kg	53 U	67 U	65 U	60 U	55 U
Semivolatile Organic Compounds						
Naphthalene	µg/kg	53 U	67 U	65 U	60 U	55 U
Hexachlorobutadiene	µg/kg	260 U	330 U	320 U	300 U	270 U

	Event	Northwest Corner Sampling (July 2000)				
	Location	NW-2	NW-2	NW-3	NW-3	NW-3
	SampleID	**NW2-10.5 DUP**	**NW2-17.5**	**NW3-6.5**	**NW3-10.5**	**NW3-14.5**
	Depth (bgs)	10.5 ft	17.5 - 17.4 ft	6.5 ft	10.5 ft	14.5 ft
	Sample Date	07/13/2000	07/13/2000	07/13/2000	07/13/2000	07/13/2000
Volatile Organic Compounds						
Tetrachloroethene	µg/kg		61 U	61	74	60 U
Trichloroethene	µg/kg		61 U	53 U	61 U	60 U
cis-1,2-Dichloroethene	µg/kg		61 U	53 U	61 U	60 U
trans-1,2-Dichloroethene	µg/kg		61 U	53 U	61 U	60 U
1,1-Dichloroethene	µg/kg		61 U	53 U	61 U	60 U
Vinyl chloride	µg/kg		61 U	53 U	61 U	60 U
1,1,1,2-Tetrachloroethane	µg/kg		61 U	53 U	61 U	60 U
1,1,1-Trichloroethane	µg/kg		61 U	53 U	61 U	60 U
1,1,2,2-Tetrachloroethane	µg/kg		61 U	53 U	61 U	60 U
1,1,2-Trichloroethane	µg/kg		61 U	53 U	61 U	60 U
1,1-Dichloroethane	µg/kg		61 U	53 U	61 U	60 U
Chloroethane	µg/kg		61 U	53 U	61 U	60 U
Acetone	µg/kg		300 U	260 U	300 U	300 U
Dichloromethane	µg/kg		300 U	260 U	300 U	300 U
1,1-Dichloropropene	µg/kg		61 U	53 U	61 U	60 U
1,2,3-Trichlorobenzene	µg/kg		61 U	53 U	61 U	60 U
1,2,3-Trichloropropane	µg/kg		61 U	53 U	61 U	60 U
1,2,4-Trichlorobenzene	µg/kg		61 U	53 U	61 U	60 U
1,2-Dibromo-3-chloropropane	µg/kg		300 U	260 U	300 U	300 U
1,2-Dibromoethane	µg/kg		61 U	53 U	61 U	60 U
1,2-Dichlorobenzene	µg/kg		61 U	53 U	61 U	60 U
1,2-Dichloroethane	µg/kg		61 U	53 U	61 U	60 U
1,2-Dichloropropane	µg/kg		61 U	53 U	61 U	60 U
1,3-Dichlorobenzene	µg/kg		61 U	53 U	61 U	60 U
1,3-Dichloropropane	µg/kg		61 U	53 U	61 U	60 U
1,4-Dichlorobenzene	µg/kg		61 U	53 U	61 U	60 U
2,2-Dichloropropane	µg/kg		61 U	53 U	61 U	60 U
2-Chloroethyl vinyl ether	µg/kg		300 U	260 U	300 U	300 U
2-Chlorotoluene	µg/kg		61 U	53 U	61 U	60 U
4-Chlorotoluene	µg/kg		61 U	53 U	61 U	60 U
Bromobenzene	µg/kg		61 U	53 U	61 U	60 U
Bromodichloromethane	µg/kg		61 U	53 U	61 U	60 U
Bromoform	µg/kg		61 U	53 U	61 U	60 U
Bromomethane	µg/kg		61 U	53 U	61 U	60 U
Carbon disulfide	µg/kg		61 U	53 U	61 U	60 U
Carbon tetrachloride	µg/kg		61 U	53 U	61 U	60 U
Chlorobenzene	µg/kg		61 U	53 U	61 U	60 U
Chloroform	µg/kg		61 U	53 U	61 U	60 U
Chloromethane	µg/kg		61 U	53 U	61 U	60 U
cis-1,3-Dichloropropene	µg/kg		61 U	53 U	61 U	60 U
Dibromochloromethane	µg/kg		61 U	53 U	61 U	60 U
Dibromomethane	µg/kg		61 U	53 U	61 U	60 U
Dichlorodifluoromethane	µg/kg		61 U	53 U	61 U	60 U
Methyl ethyl ketone	µg/kg		300 U	260 U	300 U	300 U
Methyl iso butyl ketone	µg/kg		300 U	260 U	300 U	300 U
trans-1,3-Dichloropropene	µg/kg		61 U	53 U	61 U	60 U
Trichlorofluoromethane	µg/kg		61 U	53 U	61 U	60 U
Vinyl acetate	µg/kg		300 U	260 U	300 U	300 U

	Event	Northwest Corner Sampling (July 2000)				
	Location	NW-2	NW-2	NW-3	NW-3	NW-3
	SampleID	**NW2-10.5 DUP**	**NW2-17.5**	**NW3-6.5**	**NW3-10.5**	**NW3-14.5**
	Depth (bgs)	10.5 ft	17.5 - 17.4 ft	6.5 ft	10.5 ft	14.5 ft
	Sample Date	07/13/2000	07/13/2000	07/13/2000	07/13/2000	07/13/2000
Total Petroleum Hydrocarbons						
Diesel #2	mg/kg		25 U		25 U	25 U
Gasoline	mg/kg	5 U	6.1 U		6 U	6.1 U
Heavy Fuel Oil	mg/kg		50 U		50 U	50 U
BTEX						
Benzene	µg/kg		61 U	53 U	61 U	60 U
Toluene	µg/kg		61 U	53 U	61 U	60 U
Ethylbenzene	µg/kg		61 U	53 U	61 U	60 U
Xylene (meta & para)	µg/kg		120 U	110 U	120 U	120 U
Xylene (ortho)	µg/kg		61 U	53 U	61 U	60 U
Xylene (total)	µg/kg		120 U	110 U	120 U	120 U
Alkylated Benzenes						
1,3,5-Trimethylbenzene	µg/kg		61 U	53 U	61 U	60 U
n-Propylbenzene	µg/kg		61 U	53 U	61 U	60 U
1,2,4-Trimethylbenzene	µg/kg		61 U	53 U	61 U	60 U
Cymene	µg/kg		61 U	53 U	61 U	60 U
iso-Propylbenzene	µg/kg		61 U	53 U	61 U	60 U
n-Butylbenzene	µg/kg		61 U	53 U	61 U	60 U
sec-Butylbenzene	µg/kg		61 U	53 U	61 U	60 U
Styrene	µg/kg		61 U	53 U	61 U	60 U
tert-Butylbenzene	µg/kg		61 U	53 U	61 U	60 U
Semivolatile Organic Compounds						
Naphthalene	µg/kg		61 U	53 U	61 U	60 U
Hexachlorobutadiene	µg/kg		300 U	260 U	300 U	300 U

	Event	Northwest Corner Sampling (July 2000)				
	Location	NW-4	NW-4	NW-5	NW-5	NW-5
	SampleID	**NW4-6.5**	**NW4-10.5**	**NW5-6.5**	**NW5-10.5**	**NW5-10.5 DUP**
	Depth (bgs)	6.5 ft	10.5 ft	6.5 ft	10.5 ft	10.5 ft
	Sample Date	07/13/2000	07/13/2000	07/13/2000	07/13/2000	07/13/2000
Volatile Organic Compounds						
Tetrachloroethene	µg/kg	100	54 U	160	56 U	
Trichloroethene	µg/kg	53 U	54 U	56 U	56 U	
cis-1,2-Dichloroethene	µg/kg	53 U	54 U	56 U	56 U	
trans-1,2-Dichloroethene	µg/kg	53 U	54 U	56 U	56 U	
1,1-Dichloroethene	µg/kg	53 U	54 U	56 U	56 U	
Vinyl chloride	µg/kg	53 U	54 U	56 U	56 U	
1,1,1,2-Tetrachloroethane	µg/kg	53 U	54 U	56 U	56 U	
1,1,1-Trichloroethane	µg/kg	53 U	54 U	56 U	56 U	
1,1,2,2-Tetrachloroethane	µg/kg	53 U	54 U	56 U	56 U	
1,1,2-Trichloroethane	µg/kg	53 U	54 U	56 U	56 U	
1,1-Dichloroethane	µg/kg	53 U	54 U	56 U	56 U	
Chloroethane	µg/kg	53 U	54 U	56 U	56 U	
Acetone	µg/kg	260 U	270 U	280 U	280 U	
Dichloromethane	µg/kg	260 U	270 U	280 U	280 U	
1,1-Dichloropropene	µg/kg	53 U	54 U	56 U	56 U	
1,2,3-Trichlorobenzene	µg/kg	53 U	54 U	56 U	56 U	
1,2,3-Trichloropropane	µg/kg	53 U	54 U	56 U	56 U	
1,2,4-Trichlorobenzene	µg/kg	53 U	54 U	56 U	56 U	
1,2-Dibromo-3-chloropropane	µg/kg	260 U	270 U	280 U	280 U	
1,2-Dibromoethane	µg/kg	53 U	54 U	56 U	56 U	
1,2-Dichlorobenzene	µg/kg	53 U	54 U	56 U	56 U	
1,2-Dichloroethane	µg/kg	53 U	54 U	56 U	56 U	
1,2-Dichloropropane	µg/kg	53 U	54 U	56 U	56 U	
1,3-Dichlorobenzene	µg/kg	53 U	54 U	56 U	56 U	
1,3-Dichloropropane	µg/kg	53 U	54 U	56 U	56 U	
1,4-Dichlorobenzene	µg/kg	53 U	54 U	56 U	56 U	
2,2-Dichloropropane	µg/kg	53 U	54 U	56 U	56 U	
2-Chloroethyl vinyl ether	µg/kg	260 U	270 U	280 U	280 U	
2-Chlorotoluene	µg/kg	53 U	54 U	56 U	56 U	
4-Chlorotoluene	µg/kg	53 U	54 U	56 U	56 U	
Bromobenzene	µg/kg	53 U	54 U	56 U	56 U	
Bromodichloromethane	µg/kg	53 U	54 U	56 U	56 U	
Bromoform	µg/kg	53 U	54 U	56 U	56 U	
Bromomethane	µg/kg	53 U	54 U	56 U	56 U	
Carbon disulfide	µg/kg	53 U	54 U	56 U	56 U	
Carbon tetrachloride	µg/kg	53 U	54 U	56 U	56 U	
Chlorobenzene	µg/kg	53 U	54 U	56 U	56 U	
Chloroform	µg/kg	53 U	54 U	56 U	56 U	
Chloromethane	µg/kg	53 U	54 U	56 U	56 U	
cis-1,3-Dichloropropene	µg/kg	53 U	54 U	56 U	56 U	
Dibromochloromethane	µg/kg	53 U	54 U	56 U	56 U	
Dibromomethane	µg/kg	53 U	54 U	56 U	56 U	
Dichlorodifluoromethane	µg/kg	53 U	54 U	56 U	56 U	
Methyl ethyl ketone	µg/kg	260 U	270 U	280 U	280 U	
Methyl iso butyl ketone	µg/kg	260 U	270 U	280 U	280 U	
trans-1,3-Dichloropropene	µg/kg	53 U	54 U	56 U	56 U	
Trichlorofluoromethane	µg/kg	53 U	54 U	56 U	56 U	
Vinyl acetate	µg/kg	260 U	270 U	280 U	280 U	

	Event	Northwest Corner Sampling (July 2000)				
	Location	NW-4	NW-4	NW-5	NW-5	NW-5
	SampleID	**NW4-6.5**	**NW4-10.5**	**NW5-6.5**	**NW5-10.5**	**NW5-10.5 DUP**
	Depth (bgs)	6.5 ft	10.5 ft	6.5 ft	10.5 ft	10.5 ft
	Sample Date	07/13/2000	07/13/2000	07/13/2000	07/13/2000	07/13/2000
Total Petroleum Hydrocarbons						
Diesel #2	mg/kg		25 U		25 U	25 U
Heavy Fuel Oil	mg/kg		50 U		50 U	
BTEX						
Benzene	µg/kg	53 U	54 U	56 U	56 U	
Toluene	µg/kg	53 U	54 U	56 U	56 U	
Ethylbenzene	µg/kg	53 U	54 U	56 U	56 U	
Xylene (meta & para)	µg/kg	110 U	110 U	110 U	110 U	
Xylene (ortho)	µg/kg	53 U	54 U	56 U	56 U	
Xylene (total)	µg/kg	110 U	110 U	110 U	110 U	
Alkylated Benzenes						
1,3,5-Trimethylbenzene	µg/kg	53 U	54 U	56 U	56 U	
n-Propylbenzene	µg/kg	53 U	54 U	56 U	56 U	
1,2,4-Trimethylbenzene	µg/kg	53 U	54 U	56 U	56 U	
Cymene	µg/kg	53 U	54 U	56 U	56 U	
iso-Propylbenzene	µg/kg	53 U	54 U	56 U	56 U	
n-Butylbenzene	µg/kg	53 U	54 U	56 U	56 U	
sec-Butylbenzene	µg/kg	53 U	54 U	56 U	56 U	
Styrene	µg/kg	53 U	54 U	56 U	56 U	
tert-Butylbenzene	µg/kg	53 U	54 U	56 U	56 U	
Semivolatile Organic Compounds						
Naphthalene	µg/kg	53 U	54 U	56 U	56 U	
Hexachlorobutadiene	µg/kg	260 U	270 U	280 U	280 U	

	Event	Northwest Corner Sampling (July 2000)				
	Location	NW-6	NW-6	NW-7	NW-7	NW-7
	SampleID	**NW6-7.5**	**NW6-14.5**	**NW7-6.5**	**NW7-10.5**	**NW7-16.5**
	Depth (bgs)	7.5 ft	14.5 ft	6.5 ft	10.5 ft	16.5 ft
	Sample Date	07/13/2000	07/13/2000	07/14/2000	07/14/2000	07/14/2000
Volatile Organic Compounds						
Tetrachloroethene	µg/kg	300	62 U	86	200	65 U
Trichloroethene	µg/kg	52 U	62 U	67 U	61 U	65 U
cis-1,2-Dichloroethene	µg/kg	52 U	62 U	67 U	61 U	65 U
trans-1,2-Dichloroethene	µg/kg	52 U	62 U	67 U	61 U	65 U
1,1-Dichloroethene	µg/kg	52 U	62 U	67 U	61 U	65 U
Vinyl chloride	µg/kg	52 U	62 U	67 U	61 U	65 U
1,1,1,2-Tetrachloroethane	µg/kg	52 U	62 U	67 U	61 U	65 U
1,1,1-Trichloroethane	µg/kg	52 U	62 U	67 U	61 U	65 U
1,1,2,2-Tetrachloroethane	µg/kg	52 U	62 U	67 U	61 U	65 U
1,1,2-Trichloroethane	µg/kg	52 U	62 U	67 U	61 U	65 U
1,1-Dichloroethane	µg/kg	52 U	62 U	67 U	61 U	65 U
Chloroethane	µg/kg	52 U	62 U	67 U	61 U	65 U
Acetone	µg/kg	260 U	310 U	330 U	300 U	320 U
Dichloromethane	µg/kg	260 U	310 U	330 U	300 U	320 U
1,1-Dichloropropene	µg/kg	52 U	62 U	67 U	61 U	65 U
1,2,3-Trichlorobenzene	µg/kg	52 U	62 U	67 U	61 U	65 U
1,2,3-Trichloropropane	µg/kg	52 U	62 U	67 U	61 U	65 U
1,2,4-Trichlorobenzene	µg/kg	52 U	62 U	67 U	61 U	65 U
1,2-Dibromo-3-chloropropane	µg/kg	260 U	310 U	330 U	300 U	320 U
1,2-Dibromoethane	µg/kg	52 U	62 U	67 U	61 U	65 U
1,2-Dichlorobenzene	µg/kg	52 U	62 U	67 U	61 U	65 U
1,2-Dichloroethane	µg/kg	52 U	62 U	67 U	61 U	65 U
1,2-Dichloropropane	µg/kg	52 U	62 U	67 U	61 U	65 U
1,3-Dichlorobenzene	µg/kg	52 U	62 U	67 U	61 U	65 U
1,3-Dichloropropane	µg/kg	52 U	62 U	67 U	61 U	65 U
1,4-Dichlorobenzene	µg/kg	52 U	62 U	67 U	61 U	65 U
2,2-Dichloropropane	µg/kg	52 U	62 U	67 U	61 U	65 U
2-Chloroethyl vinyl ether	µg/kg	260 U	310 U	330 U	300 U	320 U
2-Chlorotoluene	µg/kg	52 U	62 U	67 U	61 U	65 U
4-Chlorotoluene	µg/kg	52 U	62 U	67 U	61 U	65 U
Bromobenzene	µg/kg	52 U	62 U	67 U	61 U	65 U
Bromodichloromethane	µg/kg	52 U	62 U	67 U	61 U	65 U
Bromoform	µg/kg	52 U	62 U	67 U	61 U	65 U
Bromomethane	µg/kg	52 U	62 U	67 U	61 U	65 U
Carbon disulfide	µg/kg	52 U	62 U	67 U	61 U	65 U
Carbon tetrachloride	µg/kg	52 U	62 U	67 U	61 U	65 U
Chlorobenzene	µg/kg	52 U	62 U	67 U	61 U	65 U
Chloroform	µg/kg	52 U	62 U	67 U	61 U	65 U
Chloromethane	µg/kg	52 U	62 U	67 U	61 U	65 U
cis-1,3-Dichloropropene	µg/kg	52 U	62 U	67 U	61 U	65 U
Dibromochloromethane	µg/kg	52 U	62 U	67 U	61 U	65 U
Dibromomethane	µg/kg	52 U	62 U	67 U	61 U	65 U
Dichlorodifluoromethane	µg/kg	52 U	62 U	67 U	61 U	65 U
Methyl ethyl ketone	µg/kg	260 U	310 U	330 U	300 U	320 U
Methyl iso butyl ketone	µg/kg	260 U	310 U	330 U	300 U	320 U
trans-1,3-Dichloropropene	µg/kg	52 U	62 U	67 U	61 U	65 U
Trichlorofluoromethane	µg/kg	52 U	62 U	67 U	61 U	65 U
Vinyl acetate	µg/kg	260 U	310 U	330 U	300 U	320 U

	Event	Northwest Corner Sampling (July 2000)				
	Location	NW-6	NW-6	NW-7	NW-7	NW-7
	SampleID	**NW6-7.5**	**NW6-14.5**	**NW7-6.5**	**NW7-10.5**	**NW7-16.5**
	Depth (bgs)	7.5 ft	14.5 ft	6.5 ft	10.5 ft	16.5 ft
	Sample Date	07/13/2000	07/13/2000	07/14/2000	07/14/2000	07/14/2000
Total Petroleum Hydrocarbons						
Diesel #2	mg/kg		25 U		31 U	
Heavy Fuel Oil	mg/kg		50 U		61 U	
BTEX						
Benzene	µg/kg	52 U	62 U	67 U	61 U	65 U
Toluene	µg/kg	52 U	62 U	67 U	61 U	65 U
Ethylbenzene	µg/kg	52 U	62 U	67 U	61 U	65 U
Xylene (meta & para)	µg/kg	100 U	120 U	130 U	120 U	130 U
Xylene (ortho)	µg/kg	52 U	62 U	67 U	61 U	65 U
Xylene (total)	µg/kg	100 U	120 U	130 U	120 U	130 U
Alkylated Benzenes						
1,3,5-Trimethylbenzene	µg/kg	52 U	62 U	67 U	61 U	65 U
n-Propylbenzene	µg/kg	52 U	62 U	67 U	61 U	65 U
1,2,4-Trimethylbenzene	µg/kg	52 U	62 U	67 U	61 U	65 U
Cymene	µg/kg	52 U	62 U	67 U	61 U	65 U
iso-Propylbenzene	µg/kg	52 U	62 U	67 U	61 U	65 U
n-Butylbenzene	µg/kg	52 U	62 U	67 U	61 U	65 U
sec-Butylbenzene	µg/kg	52 U	62 U	67 U	61 U	65 U
Styrene	µg/kg	52 U	62 U	67 U	61 U	65 U
tert-Butylbenzene	µg/kg	52 U	62 U	67 U	61 U	65 U
Semivolatile Organic Compounds						
Naphthalene	µg/kg	52 U	62 U	67 U	61 U	65 U
Hexachlorobutadiene	µg/kg	260 U	310 U	330 U	300 U	320 U

	Event	Northwest Corner Sampling (July 2000)				
	Location	NW-8	NW-8	NW-8	NW-9	NW-9
	SampleID	**NW8-7.5**	**NW8-14.5**	**NW8-16.5**	**NW9-6.5**	**NW9-10.5**
	Depth (bgs)	7.5 ft	14.5 ft	16.5 ft	6.5 ft	10.5 ft
	Sample Date	07/14/2000	07/14/2000	07/14/2000	07/14/2000	07/14/2000
Volatile Organic Compounds						
Tetrachloroethene	µg/kg	220	64 U	70 U	990	140
Trichloroethene	µg/kg	59 U	64 U	70 U	62 U	54 U
cis-1,2-Dichloroethene	µg/kg	59 U	64 U	70 U	62 U	54 U
trans-1,2-Dichloroethene	µg/kg	59 U	64 U	70 U	62 U	54 U
1,1-Dichloroethene	µg/kg	59 U	64 U	70 U	62 U	54 U
Vinyl chloride	µg/kg	59 U	64 U	70 U	62 U	54 U
1,1,1,2-Tetrachloroethane	µg/kg	59 U	64 U	70 U	62 U	54 U
1,1,1-Trichloroethane	µg/kg	59 U	64 U	70 U	62 U	54 U
1,1,2,2-Tetrachloroethane	µg/kg	59 U	64 U	70 U	62 U	54 U
1,1,2-Trichloroethane	µg/kg	59 U	64 U	70 U	62 U	54 U
1,1-Dichloroethane	µg/kg	59 U	64 U	70 U	62 U	54 U
Chloroethane	µg/kg	59 U	64 U	70 U	62 U	54 U
Acetone	µg/kg	290 U	320 U	350 U	310 U	270 U
Dichloromethane	µg/kg	290 U	320 U	350 U	310 U	270 U
1,1-Dichloropropene	µg/kg	59 U	64 U	70 U	62 U	54 U
1,2,3-Trichlorobenzene	µg/kg	59 U	64 U	70 U	62 U	54 U
1,2,3-Trichloropropane	µg/kg	59 U	64 U	70 U	62 U	54 U
1,2,4-Trichlorobenzene	µg/kg	59 U	64 U	70 U	62 U	54 U
1,2-Dibromo-3-chloropropane	µg/kg	290 U	320 U	350 U	310 U	270 U
1,2-Dibromoethane	µg/kg	59 U	64 U	70 U	62 U	54 U
1,2-Dichlorobenzene	µg/kg	59 U	64 U	70 U	62 U	54 U
1,2-Dichloroethane	µg/kg	59 U	64 U	70 U	62 U	54 U
1,2-Dichloropropane	µg/kg	59 U	64 U	70 U	62 U	54 U
1,3-Dichlorobenzene	µg/kg	59 U	64 U	70 U	62 U	54 U
1,3-Dichloropropane	µg/kg	59 U	64 U	70 U	62 U	54 U
1,4-Dichlorobenzene	µg/kg	59 U	64 U	70 U	62 U	54 U
2,2-Dichloropropane	µg/kg	59 U	64 U	70 U	62 U	54 U
2-Chloroethyl vinyl ether	µg/kg	290 U	320 U	350 U	310 U	270 U
2-Chlorotoluene	µg/kg	59 U	64 U	70 U	62 U	54 U
4-Chlorotoluene	µg/kg	59 U	64 U	70 U	62 U	54 U
Bromobenzene	µg/kg	59 U	64 U	70 U	62 U	54 U
Bromodichloromethane	µg/kg	59 U	64 U	70 U	62 U	54 U
Bromoform	µg/kg	59 U	64 U	70 U	62 U	54 U
Bromomethane	µg/kg	59 U	64 U	70 U	62 U	54 U
Carbon disulfide	µg/kg	59 U	64 U	70 U	62 U	54 U
Carbon tetrachloride	µg/kg	59 U	64 U	70 U	62 U	54 U
Chlorobenzene	µg/kg	59 U	64 U	70 U	62 U	54 U
Chloroform	µg/kg	59 U	64 U	70 U	62 U	54 U
Chloromethane	µg/kg	59 U	64 U	70 U	62 U	54 U
cis-1,3-Dichloropropene	µg/kg	59 U	64 U	70 U	62 U	54 U
Dibromochloromethane	µg/kg	59 U	64 U	70 U	62 U	54 U
Dibromomethane	µg/kg	59 U	64 U	70 U	62 U	54 U
Dichlorodifluoromethane	µg/kg	59 U	64 U	70 U	62 U	54 U
Methyl ethyl ketone	µg/kg	290 U	320 U	350 U	310 U	270 U
Methyl iso butyl ketone	µg/kg	290 U	320 U	350 U	310 U	270 U
trans-1,3-Dichloropropene	µg/kg	59 U	64 U	70 U	62 U	54 U
Trichlorofluoromethane	µg/kg	59 U	64 U	70 U	62 U	54 U
Vinyl acetate	µg/kg	290 U	320 U	350 U	310 U	270 U

	Event	Northwest Corner Sampling (July 2000)				
	Location	NW-8	NW-8	NW-8	NW-9	NW-9
	SampleID	**NW8-7.5**	**NW8-14.5**	**NW8-16.5**	**NW9-6.5**	**NW9-10.5**
	Depth (bgs)	7.5 ft	14.5 ft	16.5 ft	6.5 ft	10.5 ft
	Sample Date	07/14/2000	07/14/2000	07/14/2000	07/14/2000	07/14/2000
Total Petroleum Hydrocarbons						
Diesel #2	mg/kg		32 U			27 U
Heavy Fuel Oil	mg/kg		64 U			54 U
BTEX						
Benzene	µg/kg	59 U	64 U	70 U	62 U	54 U
Toluene	µg/kg	59 U	64 U	70 U	62 U	54 U
Ethylbenzene	µg/kg	59 U	64 U	70 U	62 U	54 U
Xylene (meta & para)	µg/kg	120 U	130 U	140 U	120 U	110 U
Xylene (ortho)	µg/kg	59 U	64 U	70 U	62 U	54 U
Xylene (total)	µg/kg	120 U	130 U	140 U	120 U	110 U
Alkylated Benzenes						
1,3,5-Trimethylbenzene	µg/kg	59 U	64 U	70 U	62 U	54 U
n-Propylbenzene	µg/kg	59 U	64 U	70 U	62 U	54 U
1,2,4-Trimethylbenzene	µg/kg	59 U	64 U	70 U	62 U	54 U
Cymene	µg/kg	59 U	64 U	70 U	62 U	54 U
iso-Propylbenzene	µg/kg	59 U	64 U	70 U	62 U	54 U
n-Butylbenzene	µg/kg	59 U	64 U	70 U	62 U	54 U
sec-Butylbenzene	µg/kg	59 U	64 U	70 U	62 U	54 U
Styrene	µg/kg	59 U	64 U	70 U	62 U	54 U
tert-Butylbenzene	µg/kg	59 U	64 U	70 U	62 U	54 U
Semivolatile Organic Compounds						
Naphthalene	µg/kg	59 U	64 U	70 U	62 U	54 U
Hexachlorobutadiene	µg/kg	290 U	320 U	350 U	310 U	270 U

	Event	Northwest Corner Sampling (July 2000)				
	Location	NW-9	NW-10	NW-10	NW-10	NW-10
	SampleID	**NW9-15.5**	**NW10-6.5**	**NW10-6.5 DUP**	**NW10-15.0**	**NW10-16.5**
	Depth (bgs)	15.5 ft	6.5 ft	6.5 ft	15 ft	16.5 ft
	Sample Date	07/14/2000	07/14/2000	07/14/2000	07/14/2000	07/14/2000
Volatile Organic Compounds						
Tetrachloroethene	µg/kg	65 U	680		61 U	65 U
Trichloroethene	µg/kg	65 U	52 U		61 U	65 U
cis-1,2-Dichloroethene	µg/kg	65 U	52 U		61 U	65 U
trans-1,2-Dichloroethene	µg/kg	65 U	52 U		61 U	65 U
1,1-Dichloroethene	µg/kg	65 U	52 U		61 U	65 U
Vinyl chloride	µg/kg	65 U	52 U		61 U	65 U
1,1,1,2-Tetrachloroethane	µg/kg	65 U	52 U		61 U	65 U
1,1,1-Trichloroethane	µg/kg	65 U	52 U		61 U	65 U
1,1,2,2-Tetrachloroethane	µg/kg	65 U	52 U		61 U	65 U
1,1,2-Trichloroethane	µg/kg	65 U	52 U		61 U	65 U
1,1-Dichloroethane	µg/kg	65 U	52 U		61 U	65 U
Chloroethane	µg/kg	65 U	52 U		61 U	65 U
Acetone	µg/kg	320 U	260 U		300 U	320 U
Dichloromethane	µg/kg	320 U	260 U		300 U	320 U
1,1-Dichloropropene	µg/kg	65 U	52 U		61 U	65 U
1,2,3-Trichlorobenzene	µg/kg	65 U	52 U		61 U	65 U
1,2,3-Trichloropropane	µg/kg	65 U	52 U		61 U	65 U
1,2,4-Trichlorobenzene	µg/kg	65 U	52 U		61 U	65 U
1,2-Dibromo-3-chloropropane	µg/kg	320 U	260 U		300 U	320 U
1,2-Dibromoethane	µg/kg	65 U	52 U		61 U	65 U
1,2-Dichlorobenzene	µg/kg	65 U	52 U		61 U	65 U
1,2-Dichloroethane	µg/kg	65 U	52 U		61 U	65 U
1,2-Dichloropropane	µg/kg	65 U	52 U		61 U	65 U
1,3-Dichlorobenzene	µg/kg	65 U	52 U		61 U	65 U
1,3-Dichloropropane	µg/kg	65 U	52 U		61 U	65 U
1,4-Dichlorobenzene	µg/kg	65 U	52 U		61 U	65 U
2,2-Dichloropropane	µg/kg	65 U	52 U		61 U	65 U
2-Chloroethyl vinyl ether	µg/kg	320 U	260 U		300 U	320 U
2-Chlorotoluene	µg/kg	65 U	52 U		61 U	65 U
4-Chlorotoluene	µg/kg	65 U	52 U		61 U	65 U
Bromobenzene	µg/kg	65 U	52 U		61 U	65 U
Bromodichloromethane	µg/kg	65 U	52 U		61 U	65 U
Bromoform	µg/kg	65 U	52 U		61 U	65 U
Bromomethane	µg/kg	65 U	52 U		61 U	65 U
Carbon disulfide	µg/kg	65 U	52 U		61 U	65 U
Carbon tetrachloride	µg/kg	65 U	52 U		61 U	65 U
Chlorobenzene	µg/kg	65 U	52 U		61 U	65 U
Chloroform	µg/kg	65 U	52 U		61 U	65 U
Chloromethane	µg/kg	65 U	52 U		61 U	65 U
cis-1,3-Dichloropropene	µg/kg	65 U	52 U		61 U	65 U
Dibromochloromethane	µg/kg	65 U	52 U		61 U	65 U
Dibromomethane	µg/kg	65 U	52 U		61 U	65 U
Dichlorodifluoromethane	µg/kg	65 U	52 U		61 U	65 U
Methyl ethyl ketone	µg/kg	320 U	260 U		300 U	320 U
Methyl iso butyl ketone	µg/kg	320 U	260 U		300 U	320 U
trans-1,3-Dichloropropene	µg/kg	65 U	52 U		61 U	65 U
Trichlorofluoromethane	µg/kg	65 U	52 U		61 U	65 U
Vinyl acetate	µg/kg	320 U	260 U		300 U	320 U

	Event	Northwest Corner Sampling (July 2000)				
	Location	NW-9	NW-10	NW-10	NW-10	NW-10
	SampleID	**NW9-15.5**	**NW10-6.5**	**NW10-6.5 DUP**	**NW10-15.0**	**NW10-16.5**
	Depth (bgs)	15.5 ft	6.5 ft	6.5 ft	15 ft	16.5 ft
	Sample Date	07/14/2000	07/14/2000	07/14/2000	07/14/2000	07/14/2000
Total Petroleum Hydrocarbons						
Diesel #2	mg/kg		26 U	26 U	31 U	33 U
Gasoline	mg/kg		5.2 U		6.1 U	6.5 U
Heavy Fuel Oil	mg/kg		52 U		61 U	65 U
BTEX						
Benzene	µg/kg	65 U	52 U		61 U	65 U
Toluene	µg/kg	65 U	52 U		61 U	65 U
Ethylbenzene	µg/kg	65 U	52 U		61 U	65 U
Xylene (meta & para)	µg/kg	130 U	100 U		120 U	130 U
Xylene (ortho)	µg/kg	65 U	52 U		61 U	65 U
Xylene (total)	µg/kg	130 U	100 U		120 U	130 U
Alkylated Benzenes						
1,3,5-Trimethylbenzene	µg/kg	65 U	52 U		61 U	65 U
n-Propylbenzene	µg/kg	65 U	52 U		61 U	65 U
1,2,4-Trimethylbenzene	µg/kg	65 U	52 U		61 U	65 U
Cymene	µg/kg	65 U	52 U		61 U	65 U
iso-Propylbenzene	µg/kg	65 U	52 U		61 U	65 U
n-Butylbenzene	µg/kg	65 U	52 U		61 U	65 U
sec-Butylbenzene	µg/kg	65 U	52 U		61 U	65 U
Styrene	µg/kg	65 U	52 U		61 U	65 U
tert-Butylbenzene	µg/kg	65 U	52 U		61 U	65 U
Semivolatile Organic Compounds						
Naphthalene	µg/kg	65 U	52 U		61 U	65 U
Hexachlorobutadiene	µg/kg	320 U	260 U		300 U	320 U

	Event	Northwest Corner Sampling (July 2000)				
	Location	NW-11	NW-11	NW-11	NW-12	NW-12
	SampleID	**NW11-6.5**	**NW11-10.5**	**NW11-15.5**	**NW12-5.5**	**NW12-10.0**
	Depth (bgs)	6.5 ft	10.5 ft	15.5 ft	5.5 ft	10 ft
	Sample Date	07/14/2000	07/14/2000	07/14/2000	07/14/2000	07/14/2000
Volatile Organic Compounds						
Tetrachloroethene	µg/kg	1600	60 U	67 U	210	120
Trichloroethene	µg/kg	63 U	60 U	67 U	60 U	57 U
cis-1,2-Dichloroethene	µg/kg	63 U	60 U	67 U	60 U	57 U
trans-1,2-Dichloroethene	µg/kg	63 U	60 U	67 U	60 U	57 U
1,1-Dichloroethene	µg/kg	63 U	60 U	67 U	60 U	57 U
Vinyl chloride	µg/kg	63 U	60 U	67 U	60 U	57 U
1,1,1,2-Tetrachloroethane	µg/kg	63 U	60 U	67 U	60 U	57 U
1,1,1-Trichloroethane	µg/kg	63 U	60 U	67 U	60 U	57 U
1,1,2,2-Tetrachloroethane	µg/kg	63 U	60 U	67 U	60 U	57 U
1,1,2-Trichloroethane	µg/kg	63 U	60 U	67 U	60 U	57 U
1,1-Dichloroethane	µg/kg	63 U	60 U	67 U	60 U	57 U
Chloroethane	µg/kg	63 U	60 U	67 U	60 U	57 U
Acetone	µg/kg	320 U	300 U	330 U	300 U	280 U
Dichloromethane	µg/kg	320 U	300 U	330 U	300 U	280 U
1,1-Dichloropropene	µg/kg	63 U	60 U	67 U	60 U	57 U
1,2,3-Trichlorobenzene	µg/kg	63 U	60 U	67 U	60 U	57 U
1,2,3-Trichloropropane	µg/kg	63 U	60 U	67 U	60 U	57 U
1,2,4-Trichlorobenzene	µg/kg	63 U	60 U	67 U	60 U	57 U
1,2-Dibromo-3-chloropropane	µg/kg	320 U	300 U	330 U	300 U	280 U
1,2-Dibromoethane	µg/kg	63 U	60 U	67 U	60 U	57 U
1,2-Dichlorobenzene	µg/kg	63 U	60 U	67 U	60 U	57 U
1,2-Dichloroethane	µg/kg	63 U	60 U	67 U	60 U	57 U
1,2-Dichloropropane	µg/kg	63 U	60 U	67 U	60 U	57 U
1,3-Dichlorobenzene	µg/kg	63 U	60 U	67 U	60 U	57 U
1,3-Dichloropropane	µg/kg	63 U	60 U	67 U	60 U	57 U
1,4-Dichlorobenzene	µg/kg	63 U	60 U	67 U	60 U	57 U
2,2-Dichloropropane	µg/kg	63 U	60 U	67 U	60 U	57 U
2-Chloroethyl vinyl ether	µg/kg	320 U	300 U	330 U	300 U	280 U
2-Chlorotoluene	µg/kg	63 U	60 U	67 U	60 U	57 U
4-Chlorotoluene	µg/kg	63 U	60 U	67 U	60 U	57 U
Bromobenzene	µg/kg	63 U	60 U	67 U	60 U	57 U
Bromodichloromethane	µg/kg	63 U	60 U	67 U	60 U	57 U
Bromoform	µg/kg	63 U	60 U	67 U	60 U	57 U
Bromomethane	µg/kg	63 U	60 U	67 U	60 U	57 U
Carbon disulfide	µg/kg	63 U	60 U	67 U	60 U	57 U
Carbon tetrachloride	µg/kg	63 U	60 U	67 U	60 U	57 U
Chlorobenzene	µg/kg	63 U	60 U	67 U	60 U	57 U
Chloroform	µg/kg	63 U	60 U	67 U	60 U	57 U
Chloromethane	µg/kg	63 U	60 U	67 U	60 U	57 U
cis-1,3-Dichloropropene	µg/kg	63 U	60 U	67 U	60 U	57 U
Dibromochloromethane	µg/kg	63 U	60 U	67 U	60 U	57 U
Dibromomethane	µg/kg	63 U	60 U	67 U	60 U	57 U
Dichlorodifluoromethane	µg/kg	63 U	60 U	67 U	60 U	57 U
Methyl ethyl ketone	µg/kg	320 U	300 U	330 U	300 U	280 U
Methyl iso butyl ketone	µg/kg	320 U	300 U	330 U	300 U	280 U
trans-1,3-Dichloropropene	µg/kg	63 U	60 U	67 U	60 U	57 U
Trichlorofluoromethane	µg/kg	63 U	60 U	67 U	60 U	57 U
Vinyl acetate	µg/kg	320 U	300 U	330 U	300 U	280 U

	Event	Northwest Corner Sampling (July 2000)				
	Location	NW-11	NW-11	NW-11	NW-12	NW-12
	SampleID	**NW11-6.5**	**NW11-10.5**	**NW11-15.5**	**NW12-5.5**	**NW12-10.0**
	Depth (bgs)	6.5 ft	10.5 ft	15.5 ft	5.5 ft	10 ft
	Sample Date	07/14/2000	07/14/2000	07/14/2000	07/14/2000	07/14/2000
Total Petroleum Hydrocarbons						
Diesel #2	mg/kg		30 U			28 U
Heavy Fuel Oil	mg/kg		60 U			57 U
BTEX						
Benzene	µg/kg	63 U	60 U	67 U	60 U	57 U
Toluene	µg/kg	63 U	60 U	67 U	60 U	57 U
Ethylbenzene	µg/kg	63 U	60 U	67 U	60 U	57 U
Xylene (meta & para)	µg/kg	130 U	120 U	130 U	120 U	110 U
Xylene (ortho)	µg/kg	63 U	60 U	67 U	60 U	57 U
Xylene (total)	µg/kg	130 U	120 U	130 U	120 U	110 U
Alkylated Benzenes						
1,3,5-Trimethylbenzene	µg/kg	63 U	60 U	67 U	60 U	57 U
n-Propylbenzene	µg/kg	63 U	60 U	67 U	60 U	57 U
1,2,4-Trimethylbenzene	µg/kg	63 U	60 U	67 U	60 U	57 U
Cymene	µg/kg	63 U	60 U	67 U	60 U	57 U
iso-Propylbenzene	µg/kg	63 U	60 U	67 U	60 U	57 U
n-Butylbenzene	µg/kg	63 U	60 U	67 U	60 U	57 U
sec-Butylbenzene	µg/kg	63 U	60 U	67 U	60 U	57 U
Styrene	µg/kg	63 U	60 U	67 U	60 U	57 U
tert-Butylbenzene	µg/kg	63 U	60 U	67 U	60 U	57 U
Semivolatile Organic Compounds						
Naphthalene	µg/kg	63 U	60 U	67 U	60 U	57 U
Hexachlorobutadiene	µg/kg	320 U	300 U	330 U	300 U	280 U

	Event	Northwest Corner Sampling (July 2000)				
	Location	NW-12				
	SampleID	**NW12-15.5**				
	Depth (bgs)	15.5 ft				
	Sample Date	07/14/2000				
Volatile Organic Compounds						
Tetrachloroethene	µg/kg	82 U				
Trichloroethene	µg/kg	82 U				
cis-1,2-Dichloroethene	µg/kg	82 U				
trans-1,2-Dichloroethene	µg/kg	82 U				
1,1-Dichloroethene	µg/kg	82 U				
Vinyl chloride	µg/kg	82 U				
1,1,1,2-Tetrachloroethane	µg/kg	82 U				
1,1,1-Trichloroethane	µg/kg	82 U				
1,1,2,2-Tetrachloroethane	µg/kg	82 U				
1,1,2-Trichloroethane	µg/kg	82 U				
1,1-Dichloroethane	µg/kg	82 U				
Chloroethane	µg/kg	82 U				
Acetone	µg/kg	410 U				
Dichloromethane	µg/kg	410 U				
1,1-Dichloropropene	µg/kg	82 U				
1,2,3-Trichlorobenzene	µg/kg	82 U				
1,2,3-Trichloropropane	µg/kg	82 U				
1,2,4-Trichlorobenzene	µg/kg	82 U				
1,2-Dibromo-3-chloropropane	µg/kg	410 U				
1,2-Dibromoethane	µg/kg	82 U				
1,2-Dichlorobenzene	µg/kg	82 U				
1,2-Dichloroethane	µg/kg	82 U				
1,2-Dichloropropane	µg/kg	82 U				
1,3-Dichlorobenzene	µg/kg	82 U				
1,3-Dichloropropane	µg/kg	82 U				
1,4-Dichlorobenzene	µg/kg	82 U				
2,2-Dichloropropane	µg/kg	82 U				
2-Chloroethyl vinyl ether	µg/kg	410 U				
2-Chlorotoluene	µg/kg	82 U				
4-Chlorotoluene	µg/kg	82 U				
Bromobenzene	µg/kg	82 U				
Bromodichloromethane	µg/kg	82 U				
Bromoform	µg/kg	82 U				
Bromomethane	µg/kg	82 U				
Carbon disulfide	µg/kg	82 U				
Carbon tetrachloride	µg/kg	82 U				
Chlorobenzene	µg/kg	82 U				
Chloroform	µg/kg	82 U				
Chloromethane	µg/kg	82 U				
cis-1,3-Dichloropropene	µg/kg	82 U				
Dibromochloromethane	µg/kg	82 U				
Dibromomethane	µg/kg	82 U				
Dichlorodifluoromethane	µg/kg	82 U				
Methyl ethyl ketone	µg/kg	410 U				
Methyl iso butyl ketone	µg/kg	410 U				
trans-1,3-Dichloropropene	µg/kg	82 U				
Trichlorofluoromethane	µg/kg	82 U				
Vinyl acetate	µg/kg	410 U				

	Event	**Northwest Corner Sampling (July 2000)**				
	Location	NW-12				
	SampleID	**NW12-15.5**				
	Depth (bgs)	15.5 ft				
	Sample Date	07/14/2000				
BTEX						
Benzene	µg/kg	82 U				
Toluene	µg/kg	82 U				
Ethylbenzene	µg/kg	82 U				
Xylene (meta & para)	µg/kg	160 U				
Xylene (ortho)	µg/kg	82 U				
Xylene (total)	µg/kg	160 U				
Alkylated Benzenes						
1,3,5-Trimethylbenzene	µg/kg	82 U				
n-Propylbenzene	µg/kg	82 U				
1,2,4-Trimethylbenzene	µg/kg	82 U				
Cymene	µg/kg	82 U				
iso-Propylbenzene	µg/kg	82 U				
n-Butylbenzene	µg/kg	82 U				
sec-Butylbenzene	µg/kg	82 U				
Styrene	µg/kg	82 U				
tert-Butylbenzene	µg/kg	82 U				
Semivolatile Organic Compounds						
Naphthalene	µg/kg	82 U				
Hexachlorobutadiene	µg/kg	410 U				

	Event	Well B-20A Installation				
	Location	B-20A	B-20A			
	SampleID	**B20A-12.5**	**B20A-13**			
	Depth (bgs)	12.5 ft	13 ft			
	Sample Date	09/10/1999	09/10/1999			
Volatile Organic Compounds						
Tetrachloroethene	µg/kg	380				
Trichloroethene	µg/kg	60 U				
cis-1,2-Dichloroethene	µg/kg	60 U				
trans-1,2-Dichloroethene	µg/kg	60 U				
1,1-Dichloroethene	µg/kg	60 UJ				
Vinyl chloride	µg/kg	60 U				
1,1,1,2-Tetrachloroethane	µg/kg	60 U				
1,1,1-Trichloroethane	µg/kg	310 U				
1,1,2,2-Tetrachloroethane	µg/kg	310 U				
1,1,2-Trichloroethane	µg/kg	60 U				
1,1-Dichloroethane	µg/kg	60 U				
Chloroethane	µg/kg	60 U				
Acetone	µg/kg	3100 U				
Dichloromethane	µg/kg	650 UB				
1,1-Dichloropropene	µg/kg	60 U				
1,2,3-Trichlorobenzene	µg/kg	60 U				
1,2,3-Trichloropropane	µg/kg	310 U				
1,2,4-Trichlorobenzene	µg/kg	60 U				
1,2-Dibromo-3-chloropropane	µg/kg	620 U				
1,2-Dibromoethane	µg/kg	60 U				
1,2-Dichlorobenzene	µg/kg	60 U				
1,2-Dichloroethane	µg/kg	60 U				
1,2-Dichloropropane	µg/kg	60 U				
1,3-Dichlorobenzene	µg/kg	60 U				
1,3-Dichloropropane	µg/kg	60 U				
1,4-Dichlorobenzene	µg/kg	60 U				
2,2-Dichloropropane	µg/kg	60 U				
2-Chloroethyl vinyl ether	µg/kg	1200 U				
2-Chlorotoluene	µg/kg	60 U				
4-Chlorotoluene	µg/kg	60 U				
Bromobenzene	µg/kg	60 U				
Bromodichloromethane	µg/kg	310 U				
Bromoform	µg/kg	60 U				
Bromomethane	µg/kg	60 U				
Carbon disulfide	µg/kg	60 U				
Carbon tetrachloride	µg/kg	60 U				
Chlorobenzene	µg/kg	60 U				
Chloroform	µg/kg	60 U				
Chloromethane	µg/kg	60 U				
cis-1,3-Dichloropropene	µg/kg	60 U				
Dibromochloromethane	µg/kg	60 U				
Dibromomethane	µg/kg	620 U				
Dichlorodifluoromethane	µg/kg	60 U				
Methyl ethyl ketone	µg/kg	6200 U				
Methyl iso butyl ketone	µg/kg	1200 U				
trans-1,3-Dichloropropene	µg/kg	60 U				
Trichlorofluoromethane	µg/kg	60 U				
Vinyl acetate	µg/kg	1200 U				

	Event	Well B-20A Installation				
	Location	B-20A	B-20A			
	SampleID	**B20A-12.5**	**B20A-13**			
	Depth (bgs)	12.5 ft	13 ft			
	Sample Date	09/10/1999	09/10/1999			
BTEX						
Benzene	µg/kg	60 U				
Toluene	µg/kg	60 U				
Ethylbenzene	µg/kg	60 U				
Xylene (meta & para)	µg/kg	120 U				
Xylene (ortho)	µg/kg	60 U				
Xylene (total)	µg/kg	120 U				
Alkylated Benzenes						
1,3,5-Trimethylbenzene	µg/kg	60 U				
n-Propylbenzene	µg/kg	60 U				
1,2,4-Trimethylbenzene	µg/kg	60 U				
iso-Propylbenzene	µg/kg	60 U				
iso-Propyltoluene	µg/kg	60 U				
n-Butylbenzene	µg/kg	60 U				
sec-Butylbenzene	µg/kg	60 U				
Styrene	µg/kg	60 U				
tert-Butylbenzene	µg/kg	60 U				
Semivolatile Organic Compounds						
Naphthalene	µg/kg	620 U				
Pentachlorophenol	µg/kg		420 U			
Hexachlorobutadiene	µg/kg	620 U				

	Event	Terra Vac's Fox Ave/Myrtle Street Supplemental Investigation				
	Location	B-58	B-58	B-59	B-60	B-60
	SampleID	**B58-10**	**B58-12.5**	**B59-30**	**B60-10**	**B60-16**
	Depth (bgs)	10 ft	12.5 ft	30 ft	10 ft	16 ft
	Sample Date	07/07/1999	07/07/1999	07/09/1999	07/07/1999	07/07/1999
Volatile Organic Compounds						
Tetrachloroethene	µg/kg	170	60 U	60 UJ	190	50 U
Trichloroethene	µg/kg	60 U	60 U	60 UJ	50 U	50 U
cis-1,2-Dichloroethene	µg/kg	60 U	2000	300 J	50 U	50 U
trans-1,2-Dichloroethene	µg/kg	60 U	60 U	60 UJ	50 U	50 U
1,1-Dichloroethene	µg/kg	60 UJ	60 UJ	60 UJ	50 UJ	50 UJ
Vinyl chloride	µg/kg	60 U	160	60 UJ	50 U	50 U
1,1,1,2-Tetrachloroethane	µg/kg	60 U	60 U	60 UJ	50 U	50 U
1,1,1-Trichloroethane	µg/kg	310 U	330 U	320 UJ	290 U	290 U
1,1,2,2-Tetrachloroethane	µg/kg	310 U	330 U	320 UJ	290 U	290 U
1,1,2-Trichloroethane	µg/kg	60 U	60 U	60 UJ	50 U	50 U
1,1-Dichloroethane	µg/kg	60 U	60 U	60 UJ	50 U	50 U
Chloroethane	µg/kg	60 U	60 U	60 UJ	50 U	50 U
Acetone	µg/kg	3100 U	3300 U		2900 U	2900 U
Dichloromethane	µg/kg	310 U	330 U	320 UJ	290 U	290 U
1,1-Dichloropropene	µg/kg	60 U	60 U	60 UJ	50 U	50 U
1,2,3-Trichlorobenzene	µg/kg	60 U	60 U	60 UJ	50 U	50 U
1,2,3-Trichloropropane	µg/kg	310 U	330 U	320 UJ	290 U	290 U
1,2,4-Trichlorobenzene	µg/kg	60 U	60 U	60 UJ	50 U	50 U
1,2-Dibromo-3-chloropropane	µg/kg	630 U	670 U	640 UJ	580 U	570 U
1,2-Dibromoethane	µg/kg	60 U	60 U	60 UJ	50 U	50 U
1,2-Dichlorobenzene	µg/kg	60 U	60 U	60 UJ	50 U	50 U
1,2-Dichloroethane	µg/kg	60 U	60 U	60 UJ	50 U	50 U
1,2-Dichloropropane	µg/kg	60 U	60 U	60 UJ	50 U	50 U
1,3-Dichlorobenzene	µg/kg	60 U	60 U	60 UJ	50 U	50 U
1,3-Dichloropropane	µg/kg	60 U	60 U	60 UJ	50 U	50 U
1,4-Dichlorobenzene	µg/kg	60 U	60 U	60 UJ	50 U	50 U
2,2-Dichloropropane	µg/kg	60 U	60 U	60 UJ	50 U	50 U
2-Chloroethyl vinyl ether	µg/kg	1300 U	1300 U	1300 UJ	290 U	1100 U
2-Chlorotoluene	µg/kg	60 U	60 U	60 UJ	50 U	50 U
4-Chlorotoluene	µg/kg	60 U	60 U	60 UJ	50 U	50 U
Bromobenzene	µg/kg	60 U	60 U	60 UJ	50 U	50 U
Bromodichloromethane	µg/kg	310 U	330 U	320 UJ	580 U	290 U
Bromoform	µg/kg	60 U	60 U	60 UJ	50 U	50 U
Bromomethane	µg/kg	60 U	60 U	60 UJ	50 U	50 U
Carbon disulfide	µg/kg	60 U	60 U		50 U	50 U
Carbon tetrachloride	µg/kg	60 U	60 U	60 UJ	50 U	50 U
Chlorobenzene	µg/kg	60 U	60 U	60 UJ	50 U	50 U
Chloroform	µg/kg	60 U	60 U	60 UJ	50 U	50 U
Chloromethane	µg/kg	60 U	60 U	60 UJ	50 U	50 U
cis-1,3-Dichloropropene	µg/kg	60 U	60 U	60 UJ	1200 U	50 U
Dibromochloromethane	µg/kg	60 U	60 U	60 UJ	50 U	50 U
Dibromomethane	µg/kg	630 U	670 U	640 UJ	50 U	570 U
Dichlorodifluoromethane	µg/kg	60 U	60 U	60 UJ	50 U	50 U
Methyl ethyl ketone	µg/kg	6300 U	6700 U		5800 U	5700 U
Methyl iso butyl ketone	µg/kg	1300 U	1300 U		1200 U	1100 U
trans-1,3-Dichloropropene	µg/kg	60 U	60 U	60 UJ	50 U	50 U
Trichlorofluoromethane	µg/kg	60 U	60 U	60 UJ	50 U	50 U
Vinyl acetate	µg/kg	1300 U	1300 U		1200 U	1100 U

	Event	Terra Vac's Fox Ave/Myrtle Street Supplemental Investigation				
	Location	B-58	B-58	B-59	B-60	B-60
	SampleID	**B58-10**	**B58-12.5**	**B59-30**	**B60-10**	**B60-16**
	Depth (bgs)	10 ft	12.5 ft	30 ft	10 ft	16 ft
	Sample Date	07/07/1999	07/07/1999	07/09/1999	07/07/1999	07/07/1999
BTEX						
Benzene	µg/kg	60 U	60 U		50 U	50 U
Toluene	µg/kg	60 U	60 U		50 U	50 U
Ethylbenzene	µg/kg	60 U	60 U		50 U	50 U
Xylene (meta & para)	µg/kg	130 U	1300 U		120 U	110 U
Xylene (ortho)	µg/kg	60 U	60 U		50 U	50 U
Xylene (total)	µg/kg	130 U	1300 U		120 U	110 U
Alkylated Benzenes						
1,3,5-Trimethylbenzene	µg/kg	60 U	60 U		50 U	50 U
n-Propylbenzene	µg/kg	60 U	60 U		50 U	50 U
1,2,4-Trimethylbenzene	µg/kg	60 U	60 U		50 U	50 U
iso-Propylbenzene	µg/kg	60 U	60 U		50 U	50 U
iso-Propyltoluene	µg/kg	60 U	60 U		50 U	50 U
n-Butylbenzene	µg/kg	60 U	60 U		50 U	50 U
sec-Butylbenzene	µg/kg	60 U	60 U		50 U	50 U
Styrene	µg/kg	60 U	60 U		50 U	50 U
tert-Butylbenzene	µg/kg	60 U	60 U		50 U	50 U
Semivolatile Organic Compounds						
Naphthalene	µg/kg	630 U	670 U		580 U	570 U
Hexachlorobutadiene	µg/kg	630 U	670 U	640 UJ	580 U	570 U

	Event	Terra Vac's Fox Ave/Myrtle Street Supplemental Investigation				
	Location	B-61	B-61	B-61	B-62	B-62
	SampleID	**B61-13.5**	**B61-24.5**	**B61-43.5**	**B62-9**	**B62-16**
	Depth (bgs)	13.5 ft	24.5 ft	43.5 ft	9 ft	16 ft
	Sample Date	07/09/1999	07/09/1999	07/09/1999	07/07/1999	07/07/1999
Volatile Organic Compounds						
Tetrachloroethene	µg/kg	70	130	70	50 U	70
Trichloroethene	µg/kg	60 U	60 U	260	50 U	60 U
cis-1,2-Dichloroethene	µg/kg	60 U	60 U	80	50 U	60 U
trans-1,2-Dichloroethene	µg/kg	60 U	60 U	60 U	50 U	60 U
1,1-Dichloroethene	µg/kg	60 UJ	60 UJ	60 UJ	50 UJ	60 UJ
Vinyl chloride	µg/kg	60 U	60 U	60 U	50 U	60 U
1,1,1,2-Tetrachloroethane	µg/kg	60 U	60 U	60 U	50 U	60 U
1,1,1-Trichloroethane	µg/kg	320 U	310 U	300 U	50 U	300 U
1,1,2,2-Tetrachloroethane	µg/kg	320 U	310 U	300 U	290 U	300 U
1,1,2-Trichloroethane	µg/kg	60 U	60 U	60 U	50 U	60 U
1,1-Dichloroethane	µg/kg	60 U	60 U	60 U	50 U	60 U
Chloroethane	µg/kg	60 U	60 U	60 U	50 U	60 U
Acetone	µg/kg				2900 U	3000 U
Dichloromethane	µg/kg	320 U	310 U	300 U	290 U	300 U
1,1-Dichloropropene	µg/kg	60 U	60 U	60 U	50 U	60 U
1,2,3-Trichlorobenzene	µg/kg	60 U	60 U	60 U	50 U	60 U
1,2,3-Trichloropropane	µg/kg	320 U	310 U	300 U	290 U	300 U
1,2,4-Trichlorobenzene	µg/kg	60 U	60 U	60 U	50 U	60 U
1,2-Dibromo-3-chloropropane	µg/kg	630 U	630 U	610 U	570 U	600 U
1,2-Dibromoethane	µg/kg	60 U	60 U	60 U	50 U	60 U
1,2-Dichlorobenzene	µg/kg	60 U	60 U	60 U	50 U	60 U
1,2-Dichloroethane	µg/kg	60 U	60 U	60 U	50 U	60 U
1,2-Dichloropropane	µg/kg	60 U	60 U	60 U	50 U	60 U
1,3-Dichlorobenzene	µg/kg	60 U	60 U	60 U	50 U	60 U
1,3-Dichloropropane	µg/kg	60 U	60 U	60 U	50 U	60 U
1,4-Dichlorobenzene	µg/kg	60 U	60 U	60 U	50 U	60 U
2,2-Dichloropropane	µg/kg	60 U	60 U	60 U	50 U	60 U
2-Chloroethyl vinyl ether	µg/kg	1300 U	1300 U	1200 U	290 U	1200 U
2-Chlorotoluene	µg/kg	60 U	60 U	60 U	50 U	60 U
4-Chlorotoluene	µg/kg	60 U	60 U	60 U	50 U	60 U
Bromobenzene	µg/kg	60 U	60 U	60 U	50 U	60 U
Bromodichloromethane	µg/kg	320 U	310 U	300 U	570 U	300 U
Bromoform	µg/kg	60 U	60 U	60 U	50 U	60 U
Bromomethane	µg/kg	60 U	60 U	60 U	50 U	60 U
Carbon disulfide	µg/kg				50 U	60 U
Carbon tetrachloride	µg/kg	60 U	60 U	60 U	50 U	60 U
Chlorobenzene	µg/kg	60 U	60 U	60 U	50 U	60 U
Chloroform	µg/kg	60 U	60 U	60 U	50 U	60 U
Chloromethane	µg/kg	60 U	60 U	60 U	50 U	60 U
cis-1,3-Dichloropropene	µg/kg	60 U	60 U	60 U	1100 U	60 U
Dibromochloromethane	µg/kg	60 U	60 U	60 U	50 U	60 U
Dibromomethane	µg/kg	630 U	630 U	610 U	50 U	600 U
Dichlorodifluoromethane	µg/kg	60 U	60 U	60 U	50 U	60 U
Methyl ethyl ketone	µg/kg				5700 U	6000 U
Methyl iso butyl ketone	µg/kg				1100 U	1200 U
trans-1,3-Dichloropropene	µg/kg	60 U	60 U	60 U	50 U	60 U
Trichlorofluoromethane	µg/kg	60 U	60 U	60 U	50 U	60 U
Vinyl acetate	µg/kg				1100 U	1200 U

	Event	Terra Vac's Fox Ave/Myrtle Street Supplemental Investigation				
	Location	B-61	B-61	B-61	B-62	B-62
	SampleID	**B61-13.5**	**B61-24.5**	**B61-43.5**	**B62-9**	**B62-16**
	Depth (bgs)	13.5 ft	24.5 ft	43.5 ft	9 ft	16 ft
	Sample Date	07/09/1999	07/09/1999	07/09/1999	07/07/1999	07/07/1999
BTEX						
Benzene	µg/kg				50 U	60 U
Toluene	µg/kg				50 U	60 U
Ethylbenzene	µg/kg				50 U	60 U
Xylene (meta & para)	µg/kg				110 U	120 U
Xylene (ortho)	µg/kg				50 U	60 U
Xylene (total)	µg/kg				110 U	120 U
Alkylated Benzenes						
1,3,5-Trimethylbenzene	µg/kg				50 U	60 U
n-Propylbenzene	µg/kg				50 U	60 U
1,2,4-Trimethylbenzene	µg/kg				50 U	60 U
iso-Propylbenzene	µg/kg				50 U	60 U
iso-Propyltoluene	µg/kg				50 U	60 U
n-Butylbenzene	µg/kg				50 U	60 U
sec-Butylbenzene	µg/kg				50 U	60 U
Styrene	µg/kg				50 U	60 U
tert-Butylbenzene	µg/kg				50 U	60 U
Semivolatile Organic Compounds						
Naphthalene	µg/kg				570 U	600 U
Hexachlorobutadiene	µg/kg	630 U	630 U	610 U	570 U	600 U

	Event	Terra Vac's Fox Ave/Myrtle Street Supplemental Investigation				
	Location	B-64	B-64	TW-1	TW-1	TW-2
	SampleID	**B64-10**	**B64-12.5**	**TW-1-9**	**TW-1-11**	**TW-2-8**
	Depth (bgs)	10 ft	12.5 ft	9 ft	11 ft	8 ft
	Sample Date	07/06/1999	07/06/1999	07/06/1999	07/06/1999	07/06/1999
Volatile Organic Compounds						
Tetrachloroethene	µg/kg	590	540	60 U	60 U	60 U
Trichloroethene	µg/kg	140	60 U	60 U	120	60 U
cis-1,2-Dichloroethene	µg/kg	60 U	60 U	60 U	380	60 U
trans-1,2-Dichloroethene	µg/kg	60 U	60 U	60 U	60 U	60 U
1,1-Dichloroethene	µg/kg	60 UJ	60 UJ	60 UJ	60 UJ	60 UJ
Vinyl chloride	µg/kg	60 U	60 U	60 U	180	60 U
1,1,1,2-Tetrachloroethane	µg/kg	60 U	60 U	60 U	60 U	60 U
1,1,1-Trichloroethane	µg/kg	300 U	330 U	310 U	340 U	330 U
1,1,2,2-Tetrachloroethane	µg/kg	300 U	330 U	310 U	340 U	330 U
1,1,2-Trichloroethane	µg/kg	60 U	60 U	60 U	60 U	60 U
1,1-Dichloroethane	µg/kg	60 U	60 U	60 U	60 U	60 U
Chloroethane	µg/kg	60 U	60 U	60 U	60 U	60 U
Acetone	µg/kg	3000 U	3300 U	3100 U	3400 U	3300 U
Dichloromethane	µg/kg	300 U	330 U	310 U	340 U	330 U
1,1-Dichloropropene	µg/kg	60 U	60 U	60 U	60 U	60 U
1,2,3-Trichlorobenzene	µg/kg	60 U	60 U	60 U	60 U	60 U
1,2,3-Trichloropropane	µg/kg	300 U	330 U	310 U	340 U	330 U
1,2,4-Trichlorobenzene	µg/kg	60 U	60 U	60 U	60 U	60 U
1,2-Dibromo-3-chloropropane	µg/kg	600 U	660 U	620 U	680 U	660 U
1,2-Dibromoethane	µg/kg	60 U	60 U	60 U	60 U	60 U
1,2-Dichlorobenzene	µg/kg	60 U	60 U	60 U	60 U	60 U
1,2-Dichloroethane	µg/kg	60 U	60 U	60 U	60 U	60 U
1,2-Dichloropropane	µg/kg	60 U	60 U	60 U	60 U	60 U
1,3-Dichlorobenzene	µg/kg	60 U	60 U	60 U	60 U	60 U
1,3-Dichloropropane	µg/kg	60 U	60 U	60 U	60 U	60 U
1,4-Dichlorobenzene	µg/kg	60 U	60 U	60 U	60 U	60 U
2,2-Dichloropropane	µg/kg	60 U	60 U	60 U	60 U	60 U
2-Chloroethyl vinyl ether	µg/kg	1200 U	1300 U	1200 U	1400 U	1300 U
2-Chlorotoluene	µg/kg	60 U	60 U	60 U	60 U	60 U
4-Chlorotoluene	µg/kg	60 U	60 U	60 U	60 U	60 U
Bromobenzene	µg/kg	60 U	60 U	60 U	60 U	60 U
Bromodichloromethane	µg/kg	300 U	330 U	310 U	340 U	330 U
Bromoform	µg/kg	60 U	60 U	60 U	60 U	60 U
Bromomethane	µg/kg	60 U	60 U	60 U	60 U	60 U
Carbon disulfide	µg/kg	60 U	60 U	60 U	60 U	60 U
Carbon tetrachloride	µg/kg	60 U	60 U	60 U	60 U	60 U
Chlorobenzene	µg/kg	60 U	60 U	60 U	60 U	60 U
Chloroform	µg/kg	60 U	60 U	60 U	60 U	60 U
Chloromethane	µg/kg	60 U	60 U	60 U	60 U	60 U
cis-1,3-Dichloropropene	µg/kg	60 U	60 U	60 U	60 U	60 U
Dibromochloromethane	µg/kg	60 U	60 U	60 U	60 U	60 U
Dibromomethane	µg/kg	600 U	660 U	620 U	680 U	660 U
Dichlorodifluoromethane	µg/kg	60 U	60 U	60 U	60 U	60 U
Methyl ethyl ketone	µg/kg	6000 U	6600 U	6200 U	6800 U	6600 U
Methyl iso butyl ketone	µg/kg	1200 U	1300 U	1200 U	1400 U	1300 U
trans-1,3-Dichloropropene	µg/kg	60 U	60 U	60 U	60 U	60 U
Trichlorofluoromethane	µg/kg	60 U	60 U	60 U	60 U	60 U
Vinyl acetate	µg/kg	1200 U	1300 U	1200 U	1400 U	1300 U

	Event	Terra Vac's Fox Ave/Myrtle Street Supplemental Investigation				
	Location	B-64	B-64	TW-1	TW-1	TW-2
	SampleID	**B64-10**	**B64-12.5**	**TW-1-9**	**TW-1-11**	**TW-2-8**
	Depth (bgs)	10 ft	12.5 ft	9 ft	11 ft	8 ft
	Sample Date	07/06/1999	07/06/1999	07/06/1999	07/06/1999	07/06/1999
BTEX						
Benzene	µg/kg	60 U	60 U	60 U	140	60 U
Toluene	µg/kg	60 U	60 U	60 U	120	60 U
Ethylbenzene	µg/kg	60 U	60 U	60 U	90	60 U
Xylene (meta & para)	µg/kg	120 U	130 U	120 U	140 U	130 U
Xylene (ortho)	µg/kg	60 U	60 U	60 U	60 U	60 U
Xylene (total)	µg/kg	120 U	130 U	120 U	140 U	130 U
Alkylated Benzenes						
1,3,5-Trimethylbenzene	µg/kg	60 U	60 U	60 U	60 U	60 U
n-Propylbenzene	µg/kg	60 U	60 U	60 U	60 U	60 U
1,2,4-Trimethylbenzene	µg/kg	60 U	60 U	60 U	60 U	60 U
iso-Propylbenzene	µg/kg	60 U	60 U	60 U	60 U	60 U
iso-Propyltoluene	µg/kg	60 U	60 U	60 U	60 U	60 U
n-Butylbenzene	µg/kg	60 U	60 U	60 U	60 U	60 U
sec-Butylbenzene	µg/kg	60 U	60 U	60 U	60 U	60 U
Styrene	µg/kg	60 U	60 U	60 U	60 U	60 U
tert-Butylbenzene	µg/kg	60 U	60 U	60 U	60 U	60 U
Semivolatile Organic Compounds						
Naphthalene	µg/kg	600 U	660 U	620 U	680 U	660 U
Hexachlorobutadiene	µg/kg	600 U	660 U	620 U	680 U	660 U

	Event	Terra Vac's Fox Ave/Myrtle Street Supplemental Investigation				
	Location	TW-2	TW-3	TW-3	TW-5	TW-5
	SampleID	**TW-2-13**	**TW-3-10**	**TW-3-13**	**TW5-10**	**TW5-16**
	Depth (bgs)	13 ft	10 ft	13 ft	10 ft	16 ft
	Sample Date	07/06/1999	07/06/1999	07/06/1999	07/07/1999	07/07/1999
Volatile Organic Compounds						
Tetrachloroethene	µg/kg	60 U	60 U	1300	60 U	60 U
Trichloroethene	µg/kg	60 U	60 U	690	60 U	60 U
cis-1,2-Dichloroethene	µg/kg	60 U	60 U	450	60 U	60 U
trans-1,2-Dichloroethene	µg/kg	60 U	60 U	60 U	60 U	60 U
1,1-Dichloroethene	µg/kg	60 UJ	60 UJ	60 UJ	60 UJ	60 UJ
Vinyl chloride	µg/kg	60 U	60 U	60 U	60 U	60 U
1,1,1,2-Tetrachloroethane	µg/kg	60 U	60 U	60 U	60 U	60 U
1,1,1-Trichloroethane	µg/kg	320 U	320 U	300 U	300 U	300 U
1,1,2,2-Tetrachloroethane	µg/kg	320 U	320 U	300 U	300 U	300 U
1,1,2-Trichloroethane	µg/kg	60 U	60 U	60 U	60 U	60 U
1,1-Dichloroethane	µg/kg	60 U	60 U	60 U	60 U	60 U
Chloroethane	µg/kg	60 U	60 U	60 U	60 U	60 U
Acetone	µg/kg	3200 U	3200 U	3000 U	3000 U	3000 U
Dichloromethane	µg/kg	320 U	320 U	300 U	300 U	300 U
1,1-Dichloropropene	µg/kg	60 U	60 U	60 U	60 U	60 U
1,2,3-Trichlorobenzene	µg/kg	60 U	60 U	60 U	60 U	60 U
1,2,3-Trichloropropane	µg/kg	320 U	320 U	300 U	300 U	60 U
1,2,4-Trichlorobenzene	µg/kg	60 U	60 U	60 U	60 U	60 U
1,2-Dibromo-3-chloropropane	µg/kg	630 U	630 U	610 U	600 U	600 U
1,2-Dibromoethane	µg/kg	60 U	60 U	60 U	60 U	60 U
1,2-Dichlorobenzene	µg/kg	60 U	60 U	60 U	60 U	60 U
1,2-Dichloroethane	µg/kg	60 U	60 U	60 U	60 U	60 U
1,2-Dichloropropane	µg/kg	60 U	60 U	60 U	60 U	60 U
1,3-Dichlorobenzene	µg/kg	60 U	60 U	60 U	60 U	60 U
1,3-Dichloropropane	µg/kg	60 U	60 U	60 U	60 U	60 U
1,4-Dichlorobenzene	µg/kg	60 U	60 U	60 U	60 U	60 U
2,2-Dichloropropane	µg/kg	60 U	60 U	60 U	60 U	60 U
2-Chloroethyl vinyl ether	µg/kg	1300 U	1300 U	1200 U	1200 U	1200 U
2-Chlorotoluene	µg/kg	60 U	60 U	60 U	60 U	60 U
4-Chlorotoluene	µg/kg	60 U	60 U	60 U	60 U	60 U
Bromobenzene	µg/kg	60 U	60 U	60 U	60 U	300 U
Bromodichloromethane	µg/kg	320 U	320 U	300 U	300 U	300 U
Bromoform	µg/kg	60 U	60 U	60 U	60 U	60 U
Bromomethane	µg/kg	60 U	60 U	60 U	60 U	60 U
Carbon disulfide	µg/kg	60 U	60 U	60 U	60 U	60 U
Carbon tetrachloride	µg/kg	60 U	60 U	60 U	60 U	60 U
Chlorobenzene	µg/kg	60 U	60 U	60 U	60 U	60 U
Chloroform	µg/kg	60 U	60 U	60 U	60 U	60 U
Chloromethane	µg/kg	60 U	60 U	60 U	60 U	60 U
cis-1,3-Dichloropropene	µg/kg	60 U	60 U	60 U	60 U	60 U
Dibromochloromethane	µg/kg	60 U	60 U	60 U	60 U	60 U
Dibromomethane	µg/kg	630 U	630 U	610 U	600 U	600 U
Dichlorodifluoromethane	µg/kg	60 U	60 U	60 U	60 U	60 U
Methyl ethyl ketone	µg/kg	6300 U	6300 U	6100 U	600 U	6000 U
Methyl iso butyl ketone	µg/kg	1300 U	1300 U	1200 U	1200 U	1200 U
trans-1,3-Dichloropropene	µg/kg	60 U	60 U	60 U	60 U	60 U
Trichlorofluoromethane	µg/kg	60 U	60 U	60 U	60 U	60 U
Vinyl acetate	µg/kg	1300 U	1300 U	1200 U	1200 U	1200 U

	Event	Terra Vac's Fox Ave/Myrtle Street Supplemental Investigation				
	Location	TW-2	TW-3	TW-3	TW-5	TW-5
	SampleID	**TW-2-13**	**TW-3-10**	**TW-3-13**	**TW5-10**	**TW5-16**
	Depth (bgs)	13 ft	10 ft	13 ft	10 ft	16 ft
	Sample Date	07/06/1999	07/06/1999	07/06/1999	07/07/1999	07/07/1999
BTEX						
Benzene	µg/kg	60 U	60 U	60 U	60 U	60 U
Toluene	µg/kg	60 U	60 U	60 U	60 U	60 U
Ethylbenzene	µg/kg	60 U	60 U	60 U	60 U	1200 U
Xylene (meta & para)	µg/kg	130 U	130 U	120 U	120 U	60 U
Xylene (ortho)	µg/kg	60 U	60 U	60 U	60 U	60 U
Xylene (total)	µg/kg	130 U	130 U	120 U	120 U	60 U
Alkylated Benzenes						
1,3,5-Trimethylbenzene	µg/kg	60 U	60 U	60 U	60 U	60 U
n-Propylbenzene	µg/kg	60 U	60 U	60 U	60 U	60 U
1,2,4-Trimethylbenzene	µg/kg	60 U	60 U	60 U	60 U	60 U
iso-Propylbenzene	µg/kg	60 U	60 U	60 U	60 U	60 U
iso-Propyltoluene	µg/kg	60 U	60 U	60 U	60 U	60 U
n-Butylbenzene	µg/kg	60 U	60 U	60 U	60 U	60 U
sec-Butylbenzene	µg/kg	60 U	60 U	60 U	60 U	60 U
Styrene	µg/kg	60 U	60 U	60 U	60 U	60 U
tert-Butylbenzene	µg/kg	60 U	60 U	60 U	60 U	60 U
Semivolatile Organic Compounds						
Naphthalene	µg/kg	630 U	630 U	610 U	600 U	600 U
Hexachlorobutadiene	µg/kg	630 U	630 U	610 U	600 U	600 U

	Event	Terra Vac's Fox Ave/Myrtle Street Supplemental Investigation				
	Location	TW-6	TW-6	TW-7	TW-7	
	SampleID	**TW6-9**	**TW6-12**	**TW-7-9**	**TW-7-12**	
	Depth (bgs)	9 ft	12 ft	9 ft	12 ft	
	Sample Date	07/08/1999	07/08/1999	07/08/1999	07/08/1999	
Volatile Organic Compounds						
Tetrachloroethene	µg/kg	810	8400	130	200	
Trichloroethene	µg/kg	60 U	790	50 U	60 U	
cis-1,2-Dichloroethene	µg/kg	60 U	60 U	50 U	60 U	
trans-1,2-Dichloroethene	µg/kg	60 U	60 U	50 U	60 U	
1,1-Dichloroethene	µg/kg	60 UJ	60 UJ	50 UJ	60 UJ	
Vinyl chloride	µg/kg	60 U	60 U	50 U	60 U	
1,1,1,2-Tetrachloroethane	µg/kg	60 U	60 U	50 U	60 U	
1,1,1-Trichloroethane	µg/kg	300 U	340 U	290 U	300 U	
1,1,2,2-Tetrachloroethane	µg/kg	300 U	340 U	290 U	300 U	
1,1,2-Trichloroethane	µg/kg	60 U	60 U	50 U	60 U	
1,1-Dichloroethane	µg/kg	60 U	60 U	50 U	60 U	
Chloroethane	µg/kg	60 U	60 U	50 U	60 U	
Acetone	µg/kg	3000 U	3400 U	2900 U	3000 U	
Dichloromethane	µg/kg	300 U	340 U	290 U	300 U	
1,1-Dichloropropene	µg/kg	60 U	60 U	50 U	60 U	
1,2,3-Trichlorobenzene	µg/kg	60 U	60 U	50 U	60 U	
1,2,3-Trichloropropane	µg/kg	300 U	340 U	290 U	300 U	
1,2,4-Trichlorobenzene	µg/kg	60 U	60 U	50 U	60 U	
1,2-Dibromo-3-chloropropane	µg/kg	600 U	680 U	570 U	600 U	
1,2-Dibromoethane	µg/kg	60 U	60 U	50 U	60 U	
1,2-Dichlorobenzene	µg/kg	60 U	60 U	50 U	60 U	
1,2-Dichloroethane	µg/kg	60 U	60 U	50 U	60 U	
1,2-Dichloropropane	µg/kg	60 U	60 U	50 U	60 U	
1,3-Dichlorobenzene	µg/kg	60 U	60 U	50 U	60 U	
1,3-Dichloropropane	µg/kg	60 U	60 U	50 U	60 U	
1,4-Dichlorobenzene	µg/kg	60 U	60 U	50 U	60 U	
2,2-Dichloropropane	µg/kg	60 U	60 U	50 U	60 U	
2-Chloroethyl vinyl ether	µg/kg	1200 U	1400 U	1100 U	1200 U	
2-Chlorotoluene	µg/kg	60 U	60 U	50 U	60 U	
4-Chlorotoluene	µg/kg	60 U	60 U	50 U	60 U	
Bromobenzene	µg/kg	60 U	60 U	50 U	60 U	
Bromodichloromethane	µg/kg	300 U	340 U	290 U	300 U	
Bromoform	µg/kg	60 U	60 U	50 U	60 U	
Bromomethane	µg/kg	60 U	60 U	50 U	60 U	
Carbon disulfide	µg/kg	60 U	60 U	50 U	60 U	
Carbon tetrachloride	µg/kg	60 U	60 U	50 U	60 U	
Chlorobenzene	µg/kg	60 U	60 U	50 U	60 U	
Chloroform	µg/kg	60 U	60 U	50 U	60 U	
Chloromethane	µg/kg	60 U	60 U	50 U	60 U	
cis-1,3-Dichloropropene	µg/kg	60 U	60 U	50 U	60 U	
Dibromochloromethane	µg/kg	60 U	60 U	50 U	60 U	
Dibromomethane	µg/kg	600 U	680 U	570 U	600 U	
Dichlorodifluoromethane	µg/kg	60 U	60 U	50 U	60 U	
Methyl ethyl ketone	µg/kg	6000 U	6800 U	5700 U	6000 U	
Methyl iso butyl ketone	µg/kg	1200 U	1400 U	1100 U	1200 U	
trans-1,3-Dichloropropene	µg/kg	60 U	60 U	50 U	60 U	
Trichlorofluoromethane	µg/kg	60 U	60 U	50 U	60 U	
Vinyl acetate	µg/kg	1200 U	1400 U	1100 U	1200 U	

	Event	Terra Vac's Fox Ave/Myrtle Street Supplemental Investigation				
	Location	TW-6	TW-6	TW-7	TW-7	
	SampleID	**TW6-9**	**TW6-12**	**TW-7-9**	**TW-7-12**	
	Depth (bgs)	9 ft	12 ft	9 ft	12 ft	
	Sample Date	07/08/1999	07/08/1999	07/08/1999	07/08/1999	
BTEX						
Benzene	µg/kg	60 U	60 U	50 U	60 U	
Toluene	µg/kg	60 U	60 U	50 U	60 U	
Ethylbenzene	µg/kg	60 U	60 U	50 U	60 U	
Xylene (meta & para)	µg/kg	120 U	140 U	110 U	120 U	
Xylene (ortho)	µg/kg	60 U	60 U	50 U	60 U	
Xylene (total)	µg/kg	120 U	140 U	110 U	120 U	
Alkylated Benzenes						
1,3,5-Trimethylbenzene	µg/kg	60 U	60 U	50 U	60 U	
n-Propylbenzene	µg/kg	60 U	60 U	50 U	60 U	
1,2,4-Trimethylbenzene	µg/kg	60 U	60 U	50 U	60 U	
iso-Propylbenzene	µg/kg	60 U	60 U	50 U	60 U	
iso-Propyltoluene	µg/kg	60 U	60 U	50 U	60 U	
n-Butylbenzene	µg/kg	60 U	60 U	50 U	60 U	
sec-Butylbenzene	µg/kg	60 U	60 U	50 U	60 U	
Styrene	µg/kg	60 U	60 U	50 U	60 U	
tert-Butylbenzene	µg/kg	60 U	60 U	50 U	60 U	
Semivolatile Organic Compounds						
Naphthalene	µg/kg	600 U	680 U	570 U	600 U	
Hexachlorobutadiene	µg/kg	600 U	680 U	570 U	600 U	

	Event	Terra Vac's Northwest Corner Supplemental Investigation				
	Location	B-53	B-53	B-54	B-54	B-55
	SampleID	**B-53-8.5**	**B-53-14.0**	**B-54-9**	**B-54-14**	**B-55-10**
	Depth (bgs)	8.5 ft	14 ft	9 ft	14 ft	10 ft
	Sample Date	02/03/1999	02/03/1999	02/03/1999	02/03/1999	02/03/1999
Volatile Organic Compounds						
Tetrachloroethene	µg/kg	970		3000	1000	1300
Trichloroethene	µg/kg	60 U		60	130	60 U
cis-1,2-Dichloroethene	µg/kg	60 U		50 U	60 U	60 U
trans-1,2-Dichloroethene	µg/kg	60 U		50 U	60 U	60 U
1,1-Dichloroethene	µg/kg	60 U		50 U	60 U	60 U
Vinyl chloride	µg/kg	60 U		50 U	60 U	60 U
1,1,1,2-Tetrachloroethane	µg/kg	60 U		50 U	60 U	60 U
1,1,1-Trichloroethane	µg/kg	60 U		50 U	60 U	60 U
1,1,2,2-Tetrachloroethane	µg/kg	60 U		50 U	60 U	60 U
1,1,2-Trichloroethane	µg/kg	60 U		50 U	60 U	60 U
1,1-Dichloroethane	µg/kg	60 U		50 U	60 U	60 U
Chloroethane	µg/kg	60 U		50 U	60 U	60 U
Dichloromethane	µg/kg	300 U		270 U	320 U	310 U
1,1-Dichloropropene	µg/kg	60 U		50 U	60 U	60 U
1,2,3-Trichlorobenzene	µg/kg	60 U		50 U	60 U	60 U
1,2,3-Trichloropropane	µg/kg	300 U		270 U	320 U	310 U
1,2,4-Trichlorobenzene	µg/kg	60 U	40 U	50 U	60 U	60 U
1,2-Dibromo-3-chloropropane	µg/kg	300 U		270 U	320 U	310 U
1,2-Dibromoethane	µg/kg	60 U		50 U	60 U	60 U
1,2-Dichlorobenzene	µg/kg	60 U	40 U	50 U	60 U	60 U
1,2-Dichloroethane	µg/kg	60 U		50 U	60 U	60 U
1,2-Dichloropropane	µg/kg	60 U		50 U	60 U	60 U
1,3-Dichlorobenzene	µg/kg	60 U	40 U	50 U	60 U	60 U
1,3-Dichloropropane	µg/kg	60 U		50 U	60 U	60 U
1,4-Dichlorobenzene	µg/kg	60 U	40 U	50 U	60 U	60 U
2,2-Dichloropropane	µg/kg	60 U		50 U	60 U	60 U
2-Chlorotoluene	µg/kg	60 U		50 U	60 U	60 U
4-Chlorotoluene	µg/kg	60 U		50 U	60 U	60 U
Bromobenzene	µg/kg	60 U		50 U	60 U	60 U
Bromodichloromethane	µg/kg	60 U		50 U	60 U	60 U
Bromoform	µg/kg	60 U		50 U	60 U	60 U
Bromomethane	µg/kg	60 U		50 U	60 U	60 U
Carbon tetrachloride	µg/kg	60 U		270 U	320 U	310 U
Chlorobenzene	µg/kg	60 U		50 U	60 U	60 U
Chloroform	µg/kg	60 U		50 U	60 U	60 U
Chloromethane	µg/kg	60 U		50 U	60 U	60 U
cis-1,3-Dichloropropene	µg/kg	60 U		50 U	60 U	60 U
Dibromochloromethane	µg/kg	60 U		50 U	60 U	60 U
Dibromomethane	µg/kg	60 U		50 U	60 U	60 U
Dichlorodifluoromethane	µg/kg	60 U		50 U	60 U	60 U
trans-1,3-Dichloropropene	µg/kg	60 U		50 U	60 U	60 U
Trichlorofluoromethane	µg/kg	60 U		50 U	60 U	60 U
Semivolatile Organic Compounds						
Benzo(a)anthracene	µg/kg		40 U			
Benzo(a)pyrene	µg/kg		40 U			
Benzo(g,h,i)perylene	µg/kg		40 U			
Benzo(b)fluoranthene	µg/kg		40 U			
Benzo(k)fluoranthene	µg/kg		40 U			

	Event	Terra Vac's Northwest Corner Supplemental Investigation				
	Location	B-53	B-53	B-54	B-54	B-55
	SampleID	**B-53-8.5**	**B-53-14.0**	**B-54-9**	**B-54-14**	**B-55-10**
	Depth (bgs)	8.5 ft	14 ft	9 ft	14 ft	10 ft
	Sample Date	02/03/1999	02/03/1999	02/03/1999	02/03/1999	02/03/1999
Semivolatile Organic Compounds						
Chrysene	µg/kg		40 U			
Dibenzo(a,h)anthracene	µg/kg		40 U			
Fluoranthene	µg/kg		40 U			
Indeno(1,2,3-cd)pyrene	µg/kg		40 U			
Pyrene	µg/kg		40 U			
Acenaphthene	µg/kg		40 U			
Acenaphthylene	µg/kg		40 U			
Anthracene	µg/kg		40 U			
Fluorene	µg/kg		40 U			
Naphthalene	µg/kg		40 U			
Phenanthrene	µg/kg		40 U			
2-Methylnaphthalene	µg/kg		40 U			
bis(2-ethylhexyl)phthalate	µg/kg		60			
Di-n-butyl phthalate	µg/kg		40 U			
Butyl benzyl phthalate	µg/kg		40 U			
Diethylphthalate	µg/kg		40 U			
Dimethyl phthalate	µg/kg		40 U			
Di-n-octyl phthalate	µg/kg		40 U			
Pentachlorophenol	µg/kg		410 U			
2,4-Dichlorophenol	µg/kg		40 U			
2,4,5-Trichlorophenol	µg/kg		200 U			
2,4,6-Trichlorophenol	µg/kg		200 U			
2-Chlorophenol	µg/kg		200 U			
2,4-Dimethylphenol	µg/kg		200 U			
2,4-Dinitrophenol	µg/kg		410 U			
2,4-Dinitrotoluene	µg/kg		40 U			
2,6-Dinitrotoluene	µg/kg		410 U			
2-Chloronaphthalene	µg/kg		40 U			
2-Methylphenol	µg/kg		200 U			
2-Nitroaniline	µg/kg		40 U			
2-Nitrophenol	µg/kg		200 U			
3,3'-Dichlorobenzidine	µg/kg		40 U			
3-Nitroaniline	µg/kg		40 U			
4,6-Dinitro-o-cresol	µg/kg		410 U			
4-Bromophenyl phenyl ether	µg/kg		40 U			
4-Chloro-3-methylphenol	µg/kg		200 U			
4-Chloroaniline	µg/kg		40 U			
4-Chlorophenyl phenyl ether	µg/kg		40 U			
4-Methylphenol	µg/kg		200 U			
4-Nitroaniline	µg/kg		40 U			
4-Nitrophenol	µg/kg		200 U			
Aniline	µg/kg		40 U			
Benzidine	µg/kg		40 U			
Benzoic acid	µg/kg		610 U			
Benzyl alcohol	µg/kg		40 U			
bis(2-chloroethoxy)methane	µg/kg		40 U			
bis(2-chloroethyl)ether	µg/kg		40 U			
bis(2-chloroisopropyl)ether	µg/kg		40 U			

	Event	Terra Vac's Northwest Corner Supplemental Investigation				
	Location	B-53	B-53	B-54	B-54	B-55
	SampleID	**B-53-8.5**	**B-53-14.0**	**B-54-9**	**B-54-14**	**B-55-10**
	Depth (bgs)	8.5 ft	14 ft	9 ft	14 ft	10 ft
	Sample Date	02/03/1999	02/03/1999	02/03/1999	02/03/1999	02/03/1999
Semivolatile Organic Compounds						
Carbazole	µg/kg		40 U			
Dibenzofuran	µg/kg		40 U			
Hexachlorobenzene	µg/kg		40 U			
Hexachlorobutadiene	µg/kg	60 U	40 U	50 U	60 U	60 U
Hexachlorocyclopentadiene	µg/kg		40 U			
Hexachloroethane	µg/kg		40 U			
Isophorone	µg/kg		40 U			
Nitrobenzene	µg/kg		40 U			
N-Nitroso-di-n-propylamine	µg/kg		40 U			
N-Nitrosodiphenylamine	µg/kg		40 U			
Phenol	µg/kg		200 U			

	Event	Terra Vac's Northwest Corner Supplemental Investigation				
	Location	B-55	B-56	B-56	B-56	B-56
	SampleID	**B-55-14.5**	**B-56-6**	**B-56-8.5**	**B-56-11**	**B-56-14**
	Depth (bgs)	14.5 ft	6 ft	8.5 ft	11 ft	14 ft
	Sample Date	02/03/1999	02/03/1999	02/03/1999	02/03/1999	02/03/1999
Volatile Organic Compounds						
Tetrachloroethene	µg/kg		5200	18000	580	1400
Trichloroethene	µg/kg		50 U	60 U	60 U	60 U
cis-1,2-Dichloroethene	µg/kg		50 U	60 U	60 U	60 U
trans-1,2-Dichloroethene	µg/kg		50 U	60 U	60 U	60 U
1,1-Dichloroethene	µg/kg		50 U	60 U	60 U	60 U
Vinyl chloride	µg/kg		50 U	60 U	60 U	60 U
1,1,1,2-Tetrachloroethane	µg/kg		50 U	60 U	60 U	60 U
1,1,1-Trichloroethane	µg/kg		50 U	60 U	60 U	60 U
1,1,2,2-Tetrachloroethane	µg/kg		50 U	60 U	60 U	60 U
1,1,2-Trichloroethane	µg/kg		50 U	60 U	60 U	60 U
1,1-Dichloroethane	µg/kg		50 U	60 U	60 U	60 U
Chloroethane	µg/kg		50 U	60 U	60 U	60 U
Dichloromethane	µg/kg		290 U	300 U	330 U	310 U
1,1-Dichloropropene	µg/kg		50 U	60 U	60 U	60 U
1,2,3-Trichlorobenzene	µg/kg		50 U	60 U	60 U	60 U
1,2,3-Trichloropropane	µg/kg		290 U	300 U	330 U	310 U
1,2,4-Trichlorobenzene	µg/kg	40 U	50 U	60 U	60 U	60 U
1,2-Dibromo-3-chloropropane	µg/kg		290 U	300 U	330 U	310 U
1,2-Dibromoethane	µg/kg		50 U	60 U	60 U	60 U
1,2-Dichlorobenzene	µg/kg	40 U	50 U	60 U	60 U	60 U
1,2-Dichloroethane	µg/kg		50 U	60 U	60 U	60 U
1,2-Dichloropropane	µg/kg		50 U	60 U	60 U	60 U
1,3-Dichlorobenzene	µg/kg	40 U	50 U	60 U	60 U	60 U
1,3-Dichloropropane	µg/kg		50 U	60 U	60 U	60 U
1,4-Dichlorobenzene	µg/kg	40 U	50 U	60 U	60 U	60 U
2,2-Dichloropropane	µg/kg		50 U	60 U	60 U	60 U
2-Chlorotoluene	µg/kg		50 U	60 U	60 U	60 U
4-Chlorotoluene	µg/kg		50 U	60 U	60 U	60 U
Bromobenzene	µg/kg		50 U	60 U	60 U	60 U
Bromodichloromethane	µg/kg		50 U	60 U	60 U	60 U
Bromoform	µg/kg		50 U	60 U	60 U	60 U
Bromomethane	µg/kg		50 U	60 U	60 U	60 U
Carbon tetrachloride	µg/kg		290 U	300 U	330 U	310 U
Chlorobenzene	µg/kg		50 U	60 U	60 U	60 U
Chloroform	µg/kg		50 U	60 U	60 U	60 U
Chloromethane	µg/kg		50 U	60 U	60 U	60 U
cis-1,3-Dichloropropene	µg/kg		50 U	60 U	60 U	60 U
Dibromochloromethane	µg/kg		50 U	60 U	60 U	60 U
Dibromomethane	µg/kg		50 U	60 U	60 U	60 U
Dichlorodifluoromethane	µg/kg		50 U	60 U	60 U	60 U
trans-1,3-Dichloropropene	µg/kg		50 U	60 U	60 U	60 U
Trichlorofluoromethane	µg/kg		50 U	60 U	60 U	60 U
Semivolatile Organic Compounds						
Benzo(a)anthracene	µg/kg	40 U				
Benzo(a)pyrene	µg/kg	40 U				
Benzo(g,h,i)perylene	µg/kg	40 U				
Benzo(b)fluoranthene	µg/kg	40 U				
Benzo(k)fluoranthene	µg/kg	40 U				

	Event	Terra Vac's Northwest Corner Supplemental Investigation				
	Location	B-55	B-56	B-56	B-56	B-56
	SampleID	**B-55-14.5**	**B-56-6**	**B-56-8.5**	**B-56-11**	**B-56-14**
	Depth (bgs)	14.5 ft	6 ft	8.5 ft	11 ft	14 ft
	Sample Date	02/03/1999	02/03/1999	02/03/1999	02/03/1999	02/03/1999
Semivolatile Organic Compounds						
Chrysene	µg/kg	40 U				
Dibenzo(a,h)anthracene	µg/kg	40 U				
Fluoranthene	µg/kg	40 U				
Indeno(1,2,3-cd)pyrene	µg/kg	40 U				
Pyrene	µg/kg	40 U				
Acenaphthene	µg/kg	40 U				
Acenaphthylene	µg/kg	40 U				
Anthracene	µg/kg	40 U				
Fluorene	µg/kg	40 U				
Naphthalene	µg/kg	40 U				
Phenanthrene	µg/kg	40 U				
2-Methylnaphthalene	µg/kg	40 U				
bis(2-ethylhexyl)phthalate	µg/kg	50				
Di-n-butyl phthalate	µg/kg	40 U				
Butyl benzyl phthalate	µg/kg	40 U				
Diethylphthalate	µg/kg	40 U				
Dimethyl phthalate	µg/kg	40 U				
Di-n-octyl phthalate	µg/kg	40 U				
Pentachlorophenol	µg/kg	420 U				
2,4-Dichlorophenol	µg/kg	40 U				
2,4,5-Trichlorophenol	µg/kg	210 U				
2,4,6-Trichlorophenol	µg/kg	210 U				
2-Chlorophenol	µg/kg	210 U				
2,4-Dimethylphenol	µg/kg	210 U				
2,4-Dinitrophenol	µg/kg	420 U				
2,4-Dinitrotoluene	µg/kg	40 U				
2,6-Dinitrotoluene	µg/kg	420 U				
2-Chloronaphthalene	µg/kg	40 U				
2-Methylphenol	µg/kg	210 U				
2-Nitroaniline	µg/kg	40 U				
2-Nitrophenol	µg/kg	210 U				
3,3'-Dichlorobenzidine	µg/kg	40 U				
3-Nitroaniline	µg/kg	40 U				
4,6-Dinitro-o-cresol	µg/kg	420 U				
4-Bromophenyl phenyl ether	µg/kg	40 U				
4-Chloro-3-methylphenol	µg/kg	210 U				
4-Chloroaniline	µg/kg	40 U				
4-Chlorophenyl phenyl ether	µg/kg	40 U				
4-Methylphenol	µg/kg	210 U				
4-Nitroaniline	µg/kg	40 U				
4-Nitrophenol	µg/kg	210 U				
Aniline	µg/kg	40 U				
Benzidine	µg/kg	40 U				
Benzoic acid	µg/kg	630 U				
Benzyl alcohol	µg/kg	40 U				
bis(2-chloroethoxy)methane	µg/kg	40 U				
bis(2-chloroethyl)ether	µg/kg	40 U				
bis(2-chloroisopropyl)ether	µg/kg	40 U				

	Event	Terra Vac's Northwest Corner Supplemental Investigation				
	Location	B-55	B-56	B-56	B-56	B-56
	SampleID	**B-55-14.5**	**B-56-6**	**B-56-8.5**	**B-56-11**	**B-56-14**
	Depth (bgs)	14.5 ft	6 ft	8.5 ft	11 ft	14 ft
	Sample Date	02/03/1999	02/03/1999	02/03/1999	02/03/1999	02/03/1999
Semivolatile Organic Compounds						
Carbazole	µg/kg	40 U				
Dibenzofuran	µg/kg	40 U				
Hexachlorobenzene	µg/kg	40 U				
Hexachlorobutadiene	µg/kg	40 U	50 U	60 U	60 U	60 U
Hexachlorocyclopentadiene	µg/kg	40 U				
Hexachloroethane	µg/kg	40 U				
Isophorone	µg/kg	40 U				
Nitrobenzene	µg/kg	40 U				
N-Nitroso-di-n-propylamine	µg/kg	40 U				
N-Nitrosodiphenylamine	µg/kg	40 U				
Phenol	µg/kg	210 U				

	Event	Terra Vac's Northwest Corner Supplemental Investigation				
	Location	B-57	B-57			
	SampleID	**B-57-8.5**	**B-57-14.5**			
	Depth (bgs)	8.5 ft	14.5 ft			
	Sample Date	02/03/1999	02/03/1999			
Volatile Organic Compounds						
Tetrachloroethene	µg/kg	460	60			
Trichloroethene	µg/kg	60 U	60 U			
cis-1,2-Dichloroethene	µg/kg	60 U	60 U			
trans-1,2-Dichloroethene	µg/kg	60 U	60 U			
1,1-Dichloroethene	µg/kg	60 U	60 U			
Vinyl chloride	µg/kg	60 U	60 U			
1,1,1,2-Tetrachloroethane	µg/kg	60 U	60 U			
1,1,1-Trichloroethane	µg/kg	60 U	60 U			
1,1,2,2-Tetrachloroethane	µg/kg	60 U	60 U			
1,1,2-Trichloroethane	µg/kg	60 U	60 U			
1,1-Dichloroethane	µg/kg	60 U	60 U			
Chloroethane	µg/kg	60 U	60 U			
Dichloromethane	µg/kg	310 U	320 U			
1,1-Dichloropropene	µg/kg	60 U	60 U			
1,2,3-Trichlorobenzene	µg/kg	60 U	60 U			
1,2,3-Trichloropropane	µg/kg	310 U	320 U			
1,2,4-Trichlorobenzene	µg/kg	60 U	60 U			
1,2-Dibromo-3-chloropropane	µg/kg	310 U	320 U			
1,2-Dibromoethane	µg/kg	60 U	60 U			
1,2-Dichlorobenzene	µg/kg	60 U	60 U			
1,2-Dichloroethane	µg/kg	60 U	60 U			
1,2-Dichloropropane	µg/kg	60 U	60 U			
1,3-Dichlorobenzene	µg/kg	60 U	60 U			
1,3-Dichloropropane	µg/kg	60 U	60 U			
1,4-Dichlorobenzene	µg/kg	60 U	60 U			
2,2-Dichloropropane	µg/kg	60 U	60 U			
2-Chlorotoluene	µg/kg	60 U	60 U			
4-Chlorotoluene	µg/kg	60 U	60 U			
Bromobenzene	µg/kg	60 U	60 U			
Bromodichloromethane	µg/kg	60 U	60 U			
Bromoform	µg/kg	60 U	60 U			
Bromomethane	µg/kg	60 U	60 U			
Carbon tetrachloride	µg/kg	310 U	320 U			
Chlorobenzene	µg/kg	60 U	60 U			
Chloroform	µg/kg	60 U	60 U			
Chloromethane	µg/kg	60 U	60 U			
cis-1,3-Dichloropropene	µg/kg	60 U	60 U			
Dibromochloromethane	µg/kg	60 U	60 U			
Dibromomethane	µg/kg	60 U	60 U			
Dichlorodifluoromethane	µg/kg	60 U	60 U			
trans-1,3-Dichloropropene	µg/kg	60 U	60 U			
Trichlorofluoromethane	µg/kg	60 U	60 U			
Semivolatile Organic Compounds						
Hexachlorobutadiene	µg/kg	60 U	60 U			

	Event	**Terra Vac's Tank Closure/Abandonment Investigation**				
	Location	TSB-1	TSB-2	TSB-3		
	SampleID	**B-1,S-1**	**B-2,S-1**	**B-3,S-1**		
	Depth (bgs)	7 ft	7 ft	7 ft		
	Sample Date	11/19/1998	11/19/1998	11/19/1998		
Total Petroleum Hydrocarbons						
Gasoline	mg/kg	5.3 U	5.2 U	5.3 U		
BTEX						
Benzene	µg/kg	50 U	50 U	50 U		
Toluene	µg/kg	50 U	50 U	50 U		
Ethylbenzene	µg/kg	50 U	50 U	50 U		
Xylene (meta & para)	µg/kg	50 U	50 U	50 U		
Xylene (ortho)	µg/kg	50 U	50 U	50 U		
Xylene (total)	µg/kg	50 U	50 U	50 U		
Metals						
Lead	mg/kg			5.3 U		

	Event	Hart Crowser's RI Ecology Splits				
	Location	B-43	B-44	B-45	B-45	B-46
	SampleID	**B-43-12**	**B-44-14**	**B-45-12**	**B-45-46**	**B-46-12**
	Depth (bgs)	12 ft	14 ft	12 ft	46 ft	12 ft
	Sample Date	06/30/1993	06/30/1993	06/30/1993	06/30/1993	06/30/1993
Volatile Organic Compounds						
1,2,4-Trichlorobenzene	µg/kg	390 U	400 U	420 U	430 U	400 U
1,2-Dichlorobenzene	µg/kg	390 U	400 U	420 U	430 U	400 U
1,3-Dichlorobenzene	µg/kg	390 U	400 U	420 U	430 U	400 U
1,4-Dichlorobenzene	µg/kg	390 U	400 U	420 U	430 U	400 U
Semivolatile Organic Compounds						
Benzo(a)anthracene	µg/kg	390 U	400 U	420 U	430 U	400 U
Benzo(a)pyrene	µg/kg	390 U	400 U	420 U	430 U	400 U
Benzo(g,h,i)perylene	µg/kg	390 U	400 U	420 U	430 U	400 U
Benzo(b)fluoranthene	µg/kg	390 U	400 U	420 U	430 U	400 U
Benzo(k)fluoranthene	µg/kg	390 U	400 U	420 U	430 U	400 U
Chrysene	µg/kg	390 U	400 U	420 U	430 U	400 U
Dibenzo(a,h)anthracene	µg/kg	390 U	400 U	420 U	430 U	400 U
Fluoranthene	µg/kg	390 U	400 U	420 U	430 U	400 U
Indeno(1,2,3-cd)pyrene	µg/kg	390 U	400 U	420 U	430 U	400 U
Pyrene	µg/kg	390 U	400 U	420 U	430 U	400 U
Acenaphthene	µg/kg	390 U	400 U	420 U	430 U	400 U
Acenaphthylene	µg/kg	390 U	400 U	420 U	430 U	400 U
Anthracene	µg/kg	390 U	400 U	420 U	430 U	400 U
Fluorene	µg/kg	390 U	400 U	420 U	430 U	400 U
Naphthalene	µg/kg	390 U	400 U	420 U	430 U	400 U
Phenanthrene	µg/kg	390 U	400 U	420 U	430 U	400 U
2-Methylnaphthalene	µg/kg	390 U	400 U	420 U	430 U	400 U
bis(2-ethylhexyl)phthalate	µg/kg	540	340 J	420 U	430 U	150 J
Di-n-butyl phthalate	µg/kg	390 U	50 J	110 J	430 U	120 J
Butyl benzyl phthalate	µg/kg	390 U	400 U	420 U	430 U	400 U
Diethylphthalate	µg/kg	390 U	400 U	420 U	430 U	400 U
Dimethyl phthalate	µg/kg	390 U	400 U	420 U	430 U	400 U
Di-n-octyl phthalate	µg/kg	390 U	400 U	420 U	430 U	400 U
Pentachlorophenol	µg/kg	890	460 J	680	130 J	450
2,4-Dichlorophenol	µg/kg	390 U	400 U	420 U	430 U	400 U
2,4,5-Trichlorophenol	µg/kg	960 U	960 U	1000 U	1000 U	960 U
2,4,6-Trichlorophenol	µg/kg	390 U	400 U	420 U	430 U	400 U
2-Chlorophenol	µg/kg	390 U	400 U	420 U	430 U	400 U
2,4-Dimethylphenol	µg/kg	390 U	400 U	420 U	430 U	400 U
2,4-Dinitrophenol	µg/kg	960 U	960 U	1000 U	1000 U	960 U
2,4-Dinitrotoluene	µg/kg	390 U	400 U	420 U	430 U	400 U
2,6-Dinitrotoluene	µg/kg	390 U	400 U	420 U	430 U	400 U
2-Chloronaphthalene	µg/kg	390 U	400 U	420 U	430 U	400 U
2-Methylphenol	µg/kg	390 U	400 U	420 U	430 U	400 U
2-Nitroaniline	µg/kg	960 U	960 U	1000 U	1000 U	960 U
2-Nitrophenol	µg/kg	390 U	400 U	420 U	430 U	400 U
3,3'-Dichlorobenzidine	µg/kg	390 U	400 U	420 U	430 U	400 U
3-Nitroaniline	µg/kg	960 U	960 U	1000 U	1000 U	960 U
4,6-Dinitro-o-cresol	µg/kg	960 U	960 U	1000 U	1000 U	960 U
4-Bromophenyl phenyl ether	µg/kg	390 U	400 U	420 U	430 U	400 U
4-Chloro-3-methylphenol	µg/kg	390 U	400 U	420 U	430 U	400 U
4-Chloroaniline	µg/kg	390 U	400 U	420 U	430 U	400 U
4-Chlorophenyl phenyl ether	µg/kg	390 U	400 U	420 U	430 U	400 U

	Event	Hart Crowser's RI Ecology Splits				
	Location	B-43	B-44	B-45	B-45	B-46
	SampleID	**B-43-12**	**B-44-14**	**B-45-12**	**B-45-46**	**B-46-12**
	Depth (bgs)	12 ft	14 ft	12 ft	46 ft	12 ft
	Sample Date	06/30/1993	06/30/1993	06/30/1993	06/30/1993	06/30/1993
Semivolatile Organic Compounds						
4-Methylphenol	µg/kg	390 U	400 U	420 U	430 U	400 U
4-Nitroaniline	µg/kg	960 U	960 U	1000 U	1000 U	960 U
4-Nitrophenol	µg/kg	960 U	960 U	1000 U	1000 U	960 U
bis(2-chloroethoxy)methane	µg/kg	390 U	400 U	420 U	430 U	400 U
bis(2-chloroethyl)ether	µg/kg	390 U	400 U	420 U	430 U	400 U
bis-chloroisopropyl ether	µg/kg	390 U	400 U	420 U	430 U	400 U
Carbazole	µg/kg	390 U	400 U	420 U	430 U	400 U
Dibenzofuran	µg/kg	390 U	400 U	420 U	430 U	400 U
Hexachlorobenzene	µg/kg	390 U	400 U	420 U	430 U	400 U
Hexachlorobutadiene	µg/kg	390 U	400 U	420 U	430 U	400 U
Hexachlorocyclopentadiene	µg/kg	390 U	400 U	420 U	430 U	400 U
Hexachloroethane	µg/kg	390 U	400 U	420 U	430 U	400 U
Isophorone	µg/kg	390 U	400 U	420 U	430 U	400 U
Nitrobenzene	µg/kg	390 U	400 U	420 U	430 U	400 U
N-Nitroso-di-n-propylamine	µg/kg	390 U	400 U	420 U	430 U	400 U
N-Nitrosodiphenylamine	µg/kg	390 U	400 U	420 U	430 U	400 U
Phenol	µg/kg	390 U	400 U	420 U	430 U	400 U

	Event	Hart Crowser's RI Ecology Splits				
	Location	B-47	B-48	B-49	B-50	B-50
	SampleID	**B-47-12**	**B-48-12**	**B-49-15**	**B-50-06**	**B-50-10**
	Depth (bgs)	12 ft	12 ft	15 ft	6 ft	10 ft
	Sample Date	07/07/1993	07/06/1993	07/06/1993	07/07/1993	07/07/1993
Volatile Organic Compounds						
1,2,4-Trichlorobenzene	µg/kg	570 U	390 U	430 U	780 U	410 U
1,2-Dichlorobenzene	µg/kg	120 J	390 U	430 U	780 U	410 U
1,3-Dichlorobenzene	µg/kg	570 U	390 U	430 U	780 U	410 U
1,4-Dichlorobenzene	µg/kg	570 U	390 U	430 U	780 U	410 U
Semivolatile Organic Compounds						
Benzo(a)anthracene	µg/kg	570 U	390 U	150 J	140 J	120 J
Benzo(a)pyrene	µg/kg	570 U	390 U	60 J	780 U	410 U
Benzo(g,h,i)perylene	µg/kg	570 U	390 U	430 U	780 U	410 U
Benzo(b)fluoranthene	µg/kg	570 U	390 U	130 J	780 U	410 U
Benzo(k)fluoranthene	µg/kg	570 U	390 U	430 U	780 U	410 U
Chrysene	µg/kg	570 U	390 U	140 J	130 J	110 J
Dibenzo(a,h)anthracene	µg/kg	570 U	390 U	430 U	780 U	410 U
Fluoranthene	µg/kg	570 U	390 U	690	620 J	480
Indeno(1,2,3-cd)pyrene	µg/kg	570 U	390 U	430 U	780 U	410 U
Pyrene	µg/kg	570 U	390 U	810	390 J	410 J
Acenaphthene	µg/kg	570 U	390 U	430 U	780 U	410 U
Acenaphthylene	µg/kg	570 U	390 U	430 U	780 U	410 U
Anthracene	µg/kg	570 U	390 U	170 J	150 J	100 J
Fluorene	µg/kg	570 U	390 U	230 J	240 J	180 J
Naphthalene	µg/kg	570 U	40 J	600	90 J	120 J
Phenanthrene	µg/kg	570 U	390 U	1100	1100	890
2-Methylnaphthalene	µg/kg	570 U	390 U	150 J	120 J	130 J
bis(2-ethylhexyl)phthalate	µg/kg	70 J	390 U	120 J	1300	1300
Di-n-butyl phthalate	µg/kg	410 J	50 J	430 U	5300	
Butyl benzyl phthalate	µg/kg	570 U	390 U	430 U	780 U	410 U
Diethylphthalate	µg/kg	570 U	390 U	430 U	780 U	410 U
Dimethyl phthalate	µg/kg	570 U	390 U	430 U	780 U	410 U
Di-n-octyl phthalate	µg/kg	570 U	390 U	430 U	780 U	410 U
Pentachlorophenol	µg/kg		420	2900		
2,4-Dichlorophenol	µg/kg	570 U	390 U	430 U	780 U	410 U
2,4,5-Trichlorophenol	µg/kg	1400 U	960 U	1000 U	1900 U	1000 U
2,4,6-Trichlorophenol	µg/kg	570 U	390 U	430 U	780 U	410 U
2-Chlorophenol	µg/kg	570 U	390 U	430 U	780 U	410 U
2,4-Dimethylphenol	µg/kg	570 U	390 U	430 U	780 U	410 U
2,4-Dinitrophenol	µg/kg	1400 U	960 U	1000 U	1900 U	1000 U
2,4-Dinitrotoluene	µg/kg	570 U	390 U	430 U	780 U	410 U
2,6-Dinitrotoluene	µg/kg	570 U	390 U	430 U	780 U	410 U
2-Chloronaphthalene	µg/kg	570 U	390 U	430 U	780 U	410 U
2-Methylphenol	µg/kg	570 U	390 U	430 U	780 U	410 U
2-Nitroaniline	µg/kg	1400 U	960 U	1000 U	1900 U	1000 U
2-Nitrophenol	µg/kg	570 U	390 U	430 U	780 U	410 U
3,3'-Dichlorobenzidine	µg/kg	570 U	390 U	430 U	780 U	410 U
3-Nitroaniline	µg/kg	1400 U	960 U	1000 U	1900 U	1000 U
4,6-Dinitro-o-cresol	µg/kg	1400 U	960 U	1000 U	1900 U	1000 U
4-Bromophenyl phenyl ether	µg/kg	570 U	390 U	430 U	780 U	410 U
4-Chloro-3-methylphenol	µg/kg	570 U	390 U	430 U	780 U	410 U
4-Chloroaniline	µg/kg	570 U	390 U	430 U	780 U	410 U
4-Chlorophenyl phenyl ether	µg/kg	570 U	390 U	430 U	780 U	410 U

	Event	Hart Crowser's RI Ecology Splits				
	Location	B-47	B-48	B-49	B-50	B-50
	SampleID	**B-47-12**	**B-48-12**	**B-49-15**	**B-50-06**	**B-50-10**
	Depth (bgs)	12 ft	12 ft	15 ft	6 ft	10 ft
	Sample Date	07/07/1993	07/06/1993	07/06/1993	07/07/1993	07/07/1993
Semivolatile Organic Compounds						
4-Methylphenol	µg/kg	110 J	390 U	430 U	780 U	410 U
4-Nitroaniline	µg/kg	1400 U	960 U	1000 U	1900 U	1000 U
4-Nitrophenol	µg/kg	1400 U	960 U	1000 U	1900 U	1000 U
bis(2-chloroethoxy)methane	µg/kg	570 U	390 U	430 U	780 U	410 U
bis(2-chloroethyl)ether	µg/kg	570 U	390 U	430 U	780 U	410 U
bis-chloroisopropyl ether	µg/kg	570 U	390 U	430 U	780 U	410 U
Carbazole	µg/kg	570 U	390 U	80 J	780 U	410 U
Dibenzofuran	µg/kg	570 U	390 U	140 J	190 J	170 J
Hexachlorobenzene	µg/kg	570 U	390 U	430 U	780 U	410 U
Hexachlorobutadiene	µg/kg	570 U	390 U	430 U	780 U	410 U
Hexachlorocyclopentadiene	µg/kg	570 U	390 U	430 U	780 U	410 U
Hexachloroethane	µg/kg	570 U	390 U	430 U	780 U	410 U
Isophorone	µg/kg	570 U	390 U	430 U	780 U	410 U
Nitrobenzene	µg/kg	570 U	390 U	430 U	780 U	410 U
N-Nitroso-di-n-propylamine	µg/kg	570 U	390 U	430 U	780 U	410 U
N-Nitrosodiphenylamine	µg/kg	570 U	390 U	430 U	780 U	410 U
Phenol	µg/kg	570 U	390 U	430 U	780 U	410 U

	Event	Hart Crowser's RI Ecology Splits				
	Location	B-51	B-52			
	SampleID	**B-51**	**B-52**			
	Depth (bgs)	-	-			
	Sample Date	07/29/1993	07/29/1993			
Volatile Organic Compounds						
1,2,4-Trichlorobenzene	µg/kg	410 U	410 U			
1,2-Dichlorobenzene	µg/kg	410 U	100 J			
1,3-Dichlorobenzene	µg/kg	410 U	410 U			
1,4-Dichlorobenzene	µg/kg	410 U	410 U			
Semivolatile Organic Compounds						
Benzo(a)anthracene	µg/kg	410 U	410 U			
Benzo(a)pyrene	µg/kg	410 U	410 U			
Benzo(g,h,i)perylene	µg/kg	410 U	410 U			
Benzo(b)fluoranthene	µg/kg	410 U	410 U			
Benzo(k)fluoranthene	µg/kg	410 U	410 U			
Chrysene	µg/kg	410 U	410 U			
Dibenzo(a,h)anthracene	µg/kg	410 U	410 U			
Fluoranthene	µg/kg	410 U	410 U			
Indeno(1,2,3-cd)pyrene	µg/kg	410 U	410 U			
Pyrene	µg/kg	410 U	410 U			
Acenaphthene	µg/kg	410 U	410 U			
Acenaphthylene	µg/kg	410 U	410 U			
Anthracene	µg/kg	410 U	410 U			
Fluorene	µg/kg	410 U	410 U			
Naphthalene	µg/kg	410 U	410 U			
Phenanthrene	µg/kg	410 U	410 U			
2-Methylnaphthalene	µg/kg	410 U	410 U			
bis(2-ethylhexyl)phthalate	µg/kg	410 U	50 J			
Di-n-butyl phthalate	µg/kg	40 J	410 U			
Butyl benzyl phthalate	µg/kg	410 U	410 U			
Diethylphthalate	µg/kg	410 U	410 U			
Dimethyl phthalate	µg/kg	410 U	410 U			
Di-n-octyl phthalate	µg/kg	410 U	410 U			
Pentachlorophenol	µg/kg	130 J	1000 U			
2,4-Dichlorophenol	µg/kg	410 U	410 U			
2,4,5-Trichlorophenol	µg/kg	990 U	1000 U			
2,4,6-Trichlorophenol	µg/kg	410 U	410 U			
2-Chlorophenol	µg/kg	410 U	410 U			
2,4-Dimethylphenol	µg/kg	410 U	410 U			
2,4-Dinitrophenol	µg/kg	990 U	1000 U			
2,4-Dinitrotoluene	µg/kg	410 U	410 U			
2,6-Dinitrotoluene	µg/kg	410 U	410 U			
2-Chloronaphthalene	µg/kg	410 U	410 U			
2-Methylphenol	µg/kg	410 U	410 U			
2-Nitroaniline	µg/kg	990 U	1000 U			
2-Nitrophenol	µg/kg	410 U	410 U			
3,3'-Dichlorobenzidine	µg/kg	410 U	410 U			
3-Nitroaniline	µg/kg	990 U	1000 U			
4,6-Dinitro-o-cresol	µg/kg	990 U	1000 U			
4-Bromophenyl phenyl ether	µg/kg	410 U	410 U			
4-Chloro-3-methylphenol	µg/kg	410 U	410 U			
4-Chloroaniline	µg/kg	410 U	410 U			
4-Chlorophenyl phenyl ether	µg/kg	410 U	410 U			

	Event	Hart Crowser's RI Ecology Splits				
	Location	B-51	B-52			
	SampleID	**B-51**	**B-52**			
	Depth (bgs)	-	-			
	Sample Date	07/29/1993	07/29/1993			
Semivolatile Organic Compounds						
4-Methylphenol	µg/kg	410 U	410 U			
4-Nitroaniline	µg/kg	990 U	1000 U			
4-Nitrophenol	µg/kg	990 U	1000 U			
bis(2-chloroethoxy)methane	µg/kg	410 U	410 U			
bis(2-chloroethyl)ether	µg/kg	410 U	410 U			
bis-chloroisopropyl ether	µg/kg	410 U	410 U			
Carbazole	µg/kg	410 U	410 U			
Dibenzofuran	µg/kg	410 U	410 U			
Hexachlorobenzene	µg/kg	410 U	410 U			
Hexachlorobutadiene	µg/kg	410 U	410 U			
Hexachlorocyclopentadiene	µg/kg	410 U	410 U			
Hexachloroethane	µg/kg	410 U	410 U			
Isophorone	µg/kg	410 U	410 U			
Nitrobenzene	µg/kg	410 U	410 U			
N-Nitroso-di-n-propylamine	µg/kg	410 U	410 U			
N-Nitrosodiphenylamine	µg/kg	410 U	410 U			
Phenol	µg/kg	410 U	410 U			

	Event	Hart Crowser's RI Event 2 Supplemental				
	Location	B-39	B-40	B-41	B-42	B-42
	SampleID	**B-39-S-3**	**B-40-S-4**	**B-41-S-3**	**B-42-S-1**	**B-42-S-2**
	Depth (bgs)	10 - 12 ft	12 - 14 ft	10 - 12 ft	6 - 8 ft	8 - 10 ft
	Sample Date	11/12/1992	11/12/1992	11/12/1992	11/12/1992	11/12/1992
Volatile Organic Compounds						
Vinyl chloride	µg/kg	200 J	120 J	110 J	250 U	250 U

	Event	**Hart Crowser's RI Event 2 Supplemental**				
	Location	B-42	B-43	B-43	B-43	B-44
	SampleID	**B-42-S-3**	**B-43-S6**	**B-43-S7**	**B-43-S7 DUP**	**B-44-S5**
	Depth (bgs)	10 - 12 ft	10 - 12 ft	12 - 14 ft	12 - 14 ft	14 - 16 ft
	Sample Date	11/12/1992	06/24/1993	06/24/1993	06/24/1993	06/25/1993
Volatile Organic Compounds						
Vinyl chloride	µg/kg	250 U	250 U	250 U	250 U	250 U

	Event	Hart Crowser's RI Event 2 Supplemental				
	Location	B-45	B-45	B-45	B-46	B-46
	SampleID	**B-45-S5**	**B-45-S5 DUP**	**B-45-S20**	**B-46-S3**	**B-46-S4**
	Depth (bgs)	14 - 16 ft	15 - 16 ft	44 - 46 ft	10 - 12 ft	12 - 14 ft
	Sample Date	06/25/1993	06/25/1993	06/25/1993	06/25/1993	06/25/1993
Volatile Organic Compounds						
Vinyl chloride	µg/kg	250 U	250 U	250 U	250 U	250 U

	Event	**Hart Crowser's RI Event 2 Supplemental**				
	Location	B-47	B-48	B-48	B-49	B-50
	SampleID	**B-47-S1**	**B-48-S5**	**B-48-S5 DUP**	**B-49-S4**	**B-50-S4**
	Depth (bgs)	6 - 8 ft	12 - 14 ft	12 - 14 ft	12 - 14 ft	10 - 12 ft
	Sample Date	06/25/1993	07/06/1993	07/06/1993	07/06/1993	07/07/1993
Volatile Organic Compounds						
Vinyl chloride	µg/kg	250 U	500 U	500 U	500 U	1000 U

	Event	**Hart Crowser's RI Event 2 Supplemental**				
	Location	B-50	B-51	B-52	B-52	B-52
	SampleID	**B-50-S5**	**B-51-S5**	**B-52-S1**	**B-52-S4**	**B-52-S4 DUP**
	Depth (bgs)	10 - 12 ft	12 - 14 ft	6 - 8 ft	12 - 14 ft	12 - 14 ft
	Sample Date	07/07/1993	07/07/1993	07/07/1993	07/07/1993	11/12/1992
Volatile Organic Compounds						
Vinyl chloride	µg/kg	500 U	1000 U	1000 U	1000 U	1000 U

	Event	Hart Crowser's RI Event 2				
	Location	B-32	B-32	B-33	B-33	B-34
	SampleID	**B-32/S-1**	**B-32/S-4**	**B-33/S-22**	**B-33/S-28**	**B-34/S-3**
	Depth (bgs)	0 - 3 ft	7 - 9 ft	29.5 - 31 ft	38.5 - 40 ft	12.5 - 14.5 ft
	Sample Date	08/28/1992	08/28/1992	08/24/1992	08/24/1992	08/25/1992
Volatile Organic Compounds						
Tetrachloroethene	µg/kg	16000	1700	60 U	70 U	60 U
Trichloroethene	µg/kg	660	60 U	60 U	70 U	60 U
1,2-Dichloroethene (total)	µg/kg	170	60 U	900	3900	70
1,1-Dichloroethene	µg/kg	50 U	60 U	60 U	70 U	60 U
Vinyl chloride	µg/kg	50 U	60 U	60 U	70 U	60 U
1,1,1-Trichloroethane	µg/kg	50 U	60 U	60 U	70 U	60 U
1,1,2,2-Tetrachloroethane	µg/kg	50 U	60 U	60 U	70 U	60 U
1,1,2-Trichloroethane	µg/kg	50 U	60 U	60 U	70 U	60 U
1,1-Dichloroethane	µg/kg	50 U	60 U	60 U	70 U	60 U
Chloroethane	µg/kg	50 U	60 U	60 U	70 U	60 U
Acetone	µg/kg	1100 U	1200 U	1300 U	1400 U	1300 U
Dichloromethane	µg/kg	270 U	300 U	330 U	350 U	320 U
1,2,4-Trichlorobenzene	µg/kg	180 U	220 U	220 U	230 U	220 U
1,2-Dichlorobenzene	µg/kg	180 U	220 U	220 U	230 U	220 U
1,2-Dichloroethane	µg/kg	50 U	60 U	60 U	70 U	60 U
1,2-Dichloropropane	µg/kg	50 U	60 U	60 U	70 U	60 U
1,3-Dichlorobenzene	µg/kg	180 U	220 U	220 U	230 U	220 U
1,4-Dichlorobenzene	µg/kg	180 U	220 U	220 U	230 U	220 U
2-Hexanone	µg/kg	540 U	600 U	660 U	700 U	650 U
Bromodichloromethane	µg/kg	50 U	60 U	60 U	70 U	60 U
Bromoform	µg/kg	270 U	300 U	330 U	350 U	320 U
Bromomethane	µg/kg	540 U	600 U	660 U	700 U	650 U
Carbon disulfide	µg/kg	50 U	60 U	60 U	70 U	60 U
Carbon tetrachloride	µg/kg	50 U	60 U	60 U	70 U	60 U
Chlorobenzene	µg/kg	50 U	60 U	60 U	70 U	60 U
Chloroform	µg/kg	50 U	60 U	60 U	70 U	60 U
Chloromethane	µg/kg	540 U	600 U	660 U	700 U	650 U
cis-1,3-Dichloropropene	µg/kg	50 U	60 U	60 U	70 U	60 U
Dibromochloromethane	µg/kg	50 U	60 U	60 U	70 U	60 U
Methyl ethyl ketone	µg/kg	1700 U	1800 U	2600 U	2700 U	1600 U
Methyl iso butyl ketone	µg/kg	540 U	600 U	660 U	700 U	650 U
trans-1,3-Dichloropropene	µg/kg	50 U	60 U	60 U	70 U	60 U
Vinyl acetate	µg/kg	540 U	600 U	660 U	700 U	650 U
Total Petroleum Hydrocarbons						
Diesel #2	mg/kg	772 JN	32 U	33 U	33 U	32 U
Gasoline	mg/kg	13	6 U	6 U	7 U	8
Motor Oil	mg/kg	2894				
BTEX						
Benzene	µg/kg	50 U	60 U	60 U	70 U	60 U
Toluene	µg/kg	50 U	60 U	60 U	70 U	60 U
Ethylbenzene	µg/kg	50 U	60 U	60 U	70 U	60 U
Xylene (total)	µg/kg	50 U	60 U	60 U	70 U	60 U
Alkylated Benzenes						
Styrene	µg/kg	50 U	60 U	60 U	70 U	60 U
Semivolatile Organic Compounds						
Benzo(a)anthracene	µg/kg	180 U	220 U	220 U	230 U	220 U
Benzo(a)pyrene	µg/kg	180 U	220 U	220 U	230 U	220 U
Benzo(g,h,i)perylene	µg/kg	180 U	220 U	220 U	230 U	220 U

	Event	Hart Crowser's RI Event 2				
	Location	B-32	B-32	B-33	B-33	B-34
	SampleID	**B-32/S-1**	**B-32/S-4**	**B-33/S-22**	**B-33/S-28**	**B-34/S-3**
	Depth (bgs)	0 - 3 ft	7 - 9 ft	29.5 - 31 ft	38.5 - 40 ft	12.5 - 14.5 ft
	Sample Date	08/28/1992	08/28/1992	08/24/1992	08/24/1992	08/25/1992
Semivolatile Organic Compounds						
Benzo(b)fluoranthene	µg/kg	180 U	220 U	220 U	230 U	220 U
Benzo(k)fluoranthene	µg/kg	180 U	220 U	220 U	230 U	220 U
Chrysene	µg/kg	180 U	220 U	220 U	230 U	220 U
Dibenzo(a,h)anthracene	µg/kg	180 U	220 U	220 U	230 U	220 U
Fluoranthene	µg/kg	180 U	220 U	220 U	230 U	220 U
Indeno(1,2,3-cd)pyrene	µg/kg	180 U	220 U	220 U	230 U	220 U
Pyrene	µg/kg	180 U	220 U	220 U	230 U	220 U
1-Methylnaphthalene	µg/kg	180 U	220 U	220 U	230 U	220 U
Acenaphthene	µg/kg	180 U	220 U	220 U	230 U	220 U
Acenaphthylene	µg/kg	180 U	220 U	220 U	230 U	220 U
Anthracene	µg/kg	180 U	220 U	220 U	230 U	220 U
Fluorene	µg/kg	180 U	220 U	220 U	230 U	220 U
Naphthalene	µg/kg	180 U	220 U	220 U	230 U	220 U
Phenanthrene	µg/kg	180 U	220 U	220 U	230 U	220 U
2-Methylnaphthalene	µg/kg	180 U	220 U	220 U	230 U	220 U
bis(2-ethylhexyl)phthalate	µg/kg	180 U	220 U	220 U	230 U	220 U
Di-n-butyl phthalate	µg/kg	180 U	220 U	220 U	230 U	220 U
Butyl benzyl phthalate	µg/kg	180 U	220 U	220 U	230 U	220 U
Diethylphthalate	µg/kg	180 U	220 U	220 U	230 U	220 U
Dimethyl phthalate	µg/kg	180 U	220 U	220 U	230 U	220 U
Di-n-octyl phthalate	µg/kg	180 U	220 U	220 U	230 U	220 U
Pentachlorophenol	µg/kg	4.3 J	1100 U	1100 U	1100 U	2.6 U
Tetrachlorophenols (total)	µg/kg	13 U	7.6 U	7.7 U	8.1 U	7.7 U
2,4-Dichlorophenol	µg/kg	150 J	220 U	38 U	230 U	220 U
2,4,5-Trichlorophenol	µg/kg	21 U	13 U	13 U	1100 U	1100 U
2,4,6-Trichlorophenol	µg/kg	13 U	7.6 U	7.7 U	230 U	220 U
2-Chlorophenol	µg/kg	180 U	220 U	220 U	230 U	220 U
2,4-Dimethylphenol	µg/kg	180 U	220 U	220 U	230 U	220 U
2,4-Dinitrophenol	µg/kg	910 U	1100 U	1100 U	1100 U	1100 U
2,4-Dinitrotoluene	µg/kg	180 U	220 U	220 U	230 U	220 U
2,6-Dinitrotoluene	µg/kg	180 U	220 U	220 U	230 U	220 U
2-Chloronaphthalene	µg/kg	180 U	220 U	220 U	230 U	220 U
2-Methylphenol	µg/kg	180 U	220 U	220 U	230 U	220 U
2-Nitroaniline	µg/kg	910 U	1100 U	1100 U	1100 U	1100 U
2-Nitrophenol	µg/kg	180 U	220 U	220 U	230 U	220 U
3,3'-Dichlorobenzidine	µg/kg	370 U	430 U	430 U	460 U	440 U
3-Nitroaniline	µg/kg	910 U	1100 U	1100 U	1100 U	1100 U
4,6-Dinitro-o-cresol	µg/kg	910 U	1100 U	1100 U	1100 U	1100 U
4-Bromophenyl phenyl ether	µg/kg	180 U	220 U	220 U	230 U	220 U
4-Chloro-3-methylphenol	µg/kg	180 U	220 U	220 U	230 U	220 U
4-Chloroaniline	µg/kg	180 U	220 U	220 U	230 U	220 U
4-Chlorophenyl phenyl ether	µg/kg	180 U	220 U	220 U	230 U	220 U
4-Methylphenol	µg/kg	180 U	220 U	220 U	230 U	220 U
4-Nitroaniline	µg/kg	910 U	1100 U	1100 U	1100 U	1100 U
4-Nitrophenol	µg/kg	910 U	1100 U	1100 U	1100 U	1100 U
Aniline	µg/kg	180 U	220 U	220 U	230 U	220 U
Benzidine	µg/kg	1800 U	2200 U	2200 U	2300 U	2200 U
Benzoic acid	µg/kg	910 U	1100 U	1100 U	1100 U	1100 U

	Event	Hart Crowser's RI Event 2				
	Location	B-32	B-32	B-33	B-33	B-34
	SampleID	**B-32/S-1**	**B-32/S-4**	**B-33/S-22**	**B-33/S-28**	**B-34/S-3**
	Depth (bgs)	0 - 3 ft	7 - 9 ft	29.5 - 31 ft	38.5 - 40 ft	12.5 - 14.5 ft
	Sample Date	08/28/1992	08/28/1992	08/24/1992	08/24/1992	08/25/1992
Semivolatile Organic Compounds						
Benzyl alcohol	µg/kg	180 U	220 U	220 U	230 U	220 U
bis(2-chloroethoxy)methane	µg/kg	180 U	220 U	220 U	230 U	220 U
bis(2-chloroethyl)ether	µg/kg	180 U	220 U	220 U	230 U	220 U
bis(2-chloroisopropyl)ether	µg/kg	180 U	220 U	220 U	230 U	220 U
Dibenzofuran	µg/kg	180 U	220 U	220 U	230 U	220 U
Hexachlorobenzene	µg/kg	180 U	220 U	220 U	230 U	220 U
Hexachlorobutadiene	µg/kg	180 U	220 U	220 U	230 U	220 U
Hexachlorocyclopentadiene	µg/kg	180 U	220 U	220 U	230 U	220 U
Hexachloroethane	µg/kg	180 U	220 U	220 U	230 U	220 U
Isophorone	µg/kg	180 U	220 U	220 U	230 U	220 U
Nitrobenzene	µg/kg	180 U	220 U	220 U	230 U	220 U
N-Nitrosodimethylamine	µg/kg	180 U	220 U	220 U	230 U	220 U
N-Nitroso-di-n-propylamine	µg/kg	180 U	220 U	220 U	230 U	220 U
N-Nitrosodiphenylamine	µg/kg	180 U	220 U	220 U	230 U	220 U
Phenol	µg/kg	180 U	220 U	220 U	230 U	220 U
Metals						
Aluminum	mg/kg	4400	11000	3400	9700	8500
Arsenic	mg/kg	2.8	3.4	0.57	2	2.3
Barium	mg/kg	26	40	10	31	19
Cadmium	mg/kg	0.12	0.01 U	0.01 U	0.04	0.05
Chromium	mg/kg	8.2	15	4.6	9	8.9
Copper	mg/kg	10	9.9	2.5	15	12
Lead	mg/kg	15	2.2	0.3	1.9	1.4
Mercury	mg/kg	0.09 U	0.09 U	0.08 U	0.09 U	0.08 U
Nickel	mg/kg	7.8	7.4	5.1	11	11
Zinc	mg/kg	51	16	12	27	26

	Event	Hart Crowser's RI Event 2				
	Location	B-35	B-35	B-35	B-36	B-36
	SampleID	**B-35/S-3**	**B-35/S-4**	**B-35/S-13**	**B-36/S-1**	**B-36/S-1DUP**
	Depth (bgs)	6 - 7.5 ft	8 - 10 ft	28 - 30 ft	9 - 11 ft	9 - 11 ft
	Sample Date	08/26/1992	08/26/1992	08/26/1992	08/26/1992	08/26/1992
Volatile Organic Compounds						
Tetrachloroethene	µg/kg		60 U	60 U	60 U	50 U
Trichloroethene	µg/kg		60 U	60 U	60 U	50 U
1,2-Dichloroethene (total)	µg/kg		70	60 U	60 U	50 U
1,1-Dichloroethene	µg/kg		60 U	60 U	60 U	50 U
Vinyl chloride	µg/kg		60 U	60 U	60 U	50 U
1,1,1-Trichloroethane	µg/kg		60 U	60 U	60 U	50 U
1,1,2,2-Tetrachloroethane	µg/kg		60 U	60 U	60 U	50 U
1,1,2-Trichloroethane	µg/kg		60 U	60 U	60 U	50 U
1,1-Dichloroethane	µg/kg		60 U	60 U	60 U	50 U
Chloroethane	µg/kg		60 U	60 U	60 U	50 U
Acetone	µg/kg		1200 U	1200 U	1200 U	1200 U
Dichloromethane	µg/kg		300 U	310 U	310 U	290 U
1,2,4-Trichlorobenzene	µg/kg		210 U	210 U	210 U	190 U
1,2-Dichlorobenzene	µg/kg		210 U	210 U	210 U	190 U
1,2-Dichloroethane	µg/kg		60 U	60 U	60 U	50 U
1,2-Dichloropropane	µg/kg		60 U	60 U	60 U	50 U
1,3-Dichlorobenzene	µg/kg		210 U	210 U	210 U	190 U
1,4-Dichlorobenzene	µg/kg		210 U	210 U	210 U	190 U
2-Hexanone	µg/kg		600 U	620 U	620 U	580 U
Bromodichloromethane	µg/kg		60 U	60 U	60 U	50 U
Bromoform	µg/kg		300 U	310 U	310 U	290 U
Bromomethane	µg/kg		600 U	620 U	620 U	580 U
Carbon disulfide	µg/kg		60 U	60 U	60 U	50 U
Carbon tetrachloride	µg/kg		60 U	60 U	60 U	50 U
Chlorobenzene	µg/kg		60 U	60 U	60 U	50 U
Chloroform	µg/kg		60 U	60 U	60 U	50 U
Chloromethane	µg/kg		600 U	620 U	620 U	580 U
cis-1,3-Dichloropropene	µg/kg		60 U	60 U	60 U	50 U
Dibromochloromethane	µg/kg		60 U	60 U	60 U	50 U
Methyl ethyl ketone	µg/kg		1700 U	2000 U	1900 U	1800 U
Methyl iso butyl ketone	µg/kg		600 U	620 U	620 U	580 U
trans-1,3-Dichloropropene	µg/kg		60 U	60 U	60 U	50 U
Vinyl acetate	µg/kg		600 U	620 U	620 U	580 U
Total Petroleum Hydrocarbons						
Diesel #2	mg/kg		32 U	32 U	29 U	28 U
Gasoline	mg/kg		6 U	13	6 U	6 U
BTEX						
Benzene	µg/kg		60 U	60 U	60 U	50 U
Toluene	µg/kg		60 U	230	60 U	50 U
Ethylbenzene	µg/kg		60 U	60 U	60 U	50 U
Xylene (total)	µg/kg		60 U	60 U	60 U	50 U
Alkylated Benzenes						
Styrene	µg/kg		60 U	60 U	60 U	50 U
Semivolatile Organic Compounds						
Benzo(a)anthracene	µg/kg		210 U	210 U	210 U	190 U
Benzo(a)pyrene	µg/kg		210 U	210 U	210 U	190 U
Benzo(g,h,i)perylene	µg/kg		210 U	210 U	210 U	190 U
Benzo(b)fluoranthene	µg/kg		210 U	210 U	210 U	190 U

	Event	Hart Crowser's RI Event 2				
	Location	B-35	B-35	B-35	B-36	B-36
	SampleID	**B-35/S-3**	**B-35/S-4**	**B-35/S-13**	**B-36/S-1**	**B-36/S-1DUP**
	Depth (bgs)	6 - 7.5 ft	8 - 10 ft	28 - 30 ft	9 - 11 ft	9 - 11 ft
	Sample Date	08/26/1992	08/26/1992	08/26/1992	08/26/1992	08/26/1992
Semivolatile Organic Compounds						
Benzo(k)fluoranthene	µg/kg		210 U	210 U	210 U	190 U
Chrysene	µg/kg		210 U	210 U	210 U	190 U
Dibenzo(a,h)anthracene	µg/kg		210 U	210 U	210 U	190 U
Fluoranthene	µg/kg		210 U	210 U	210 U	190 U
Indeno(1,2,3-cd)pyrene	µg/kg		210 U	210 U	210 U	190 U
Pyrene	µg/kg		210 U	210 U	210 U	190 U
1-Methylnaphthalene	µg/kg		210 U	210 U	210 U	190 U
Acenaphthene	µg/kg		210 U	210 U	210 U	190 U
Acenaphthylene	µg/kg		210 U	210 U	210 U	190 U
Anthracene	µg/kg		210 U	210 U	210 U	190 U
Fluorene	µg/kg		210 U	210 U	210 U	190 U
Naphthalene	µg/kg		210 U	210 U	210 U	190 U
Phenanthrene	µg/kg		210 U	210 U	210 U	190 U
2-Methylnaphthalene	µg/kg		210 U	210 U	210 U	190 U
bis(2-ethylhexyl)phthalate	µg/kg		210 U	210 U	210 U	190 U
Di-n-butyl phthalate	µg/kg		210 U	210 U	210 U	190 U
Butyl benzyl phthalate	µg/kg		210 U	210 U	210 U	190 U
Diethylphthalate	µg/kg		210 U	210 U	210 U	190 U
Dimethyl phthalate	µg/kg		210 U	210 U	210 U	190 U
Di-n-octyl phthalate	µg/kg		210 U	210 U	210 U	190 U
Pentachlorophenol	µg/kg		3.8	1000 U	2.7	970 U
Tetrachlorophenols (total)	µg/kg		7.5 U	72 U	7.3 U	6.8 U
2,4-Dichlorophenol	µg/kg		210 U	360 U	56 J	190 U
2,4,5-Trichlorophenol	µg/kg		1100 U	89	12 U	970 U
2,4,6-Trichlorophenol	µg/kg		7.5 U	72 U	7.3 U	190 U
2-Chlorophenol	µg/kg		210 U	210 U	210 U	190 U
2,4-Dimethylphenol	µg/kg		210 U	210 U	210 U	190 U
2,4-Dinitrophenol	µg/kg		1100 U	1000 U	1000 U	970 U
2,4-Dinitrotoluene	µg/kg		210 U	210 U	210 U	190 U
2,6-Dinitrotoluene	µg/kg		210 U	210 U	210 U	190 U
2-Chloronaphthalene	µg/kg		210 U	210 U	210 U	190 U
2-Methylphenol	µg/kg		210 U	210 U	210 U	190 U
2-Nitroaniline	µg/kg		1100 U	1000 U	1000 U	970 U
2-Nitrophenol	µg/kg		210 U	210 U	210 U	190 U
3,3'-Dichlorobenzidine	µg/kg		430 U	410 U	410 U	390 U
3-Nitroaniline	µg/kg		1100 U	1000 U	1000 U	970 U
4,6-Dinitro-o-cresol	µg/kg		1100 U	1000 U	1000 U	970 U
4-Bromophenyl phenyl ether	µg/kg		210 U	210 U	210 U	190 U
4-Chloro-3-methylphenol	µg/kg		210 U	210 U	210 U	190 U
4-Chloroaniline	µg/kg		210 U	210 U	210 U	190 U
4-Chlorophenyl phenyl ether	µg/kg		210 U	210 U	210 U	190 U
4-Methylphenol	µg/kg		210 U	210 U	210 U	190 U
4-Nitroaniline	µg/kg		1100 U	1000 U	1000 U	970 U
4-Nitrophenol	µg/kg		1100 U	1000 U	1000 U	970 U
Aniline	µg/kg		210 U	210 U	210 U	190 U
Benzidine	µg/kg		2100 U	2100 U	2100 U	1900 U
Benzoic acid	µg/kg		1100 U	1000 U	1000 U	970 U
Benzyl alcohol	µg/kg		210 U	210 U	210 U	190 U

	Event	**Hart Crowser's RI Event 2**				
	Location	B-35	B-35	B-35	B-36	B-36
	SampleID	**B-35/S-3**	**B-35/S-4**	**B-35/S-13**	**B-36/S-1**	**B-36/S-1DUP**
	Depth (bgs)	6 - 7.5 ft	8 - 10 ft	28 - 30 ft	9 - 11 ft	9 - 11 ft
	Sample Date	08/26/1992	08/26/1992	08/26/1992	08/26/1992	08/26/1992
Semivolatile Organic Compounds						
bis(2-chloroethoxy)methane	µg/kg		210 U	210 U	210 U	190 U
bis(2-chloroethyl)ether	µg/kg		210 U	210 U	210 U	190 U
bis(2-chloroisopropyl)ether	µg/kg		210 U	210 U	210 U	190 U
Dibenzofuran	µg/kg		210 U	210 U	210 U	190 U
Hexachlorobenzene	µg/kg		210 U	210 U	210 U	190 U
Hexachlorobutadiene	µg/kg		210 U	210 U	210 U	190 U
Hexachlorocyclopentadiene	µg/kg		210 U	210 U	210 U	190 U
Hexachloroethane	µg/kg		210 U	210 U	210 U	190 U
Isophorone	µg/kg		210 U	210 U	210 U	190 U
Nitrobenzene	µg/kg		210 U	210 U	210 U	190 U
N-Nitrosodimethylamine	µg/kg		210 U	210 U	210 U	190 U
N-Nitroso-di-n-propylamine	µg/kg		210 U	210 U	210 U	190 U
N-Nitrosodiphenylamine	µg/kg		210 U	210 U	210 U	190 U
Phenol	µg/kg		210 U	210 U	210 U	190 U
Metals						
Aluminum	mg/kg		4500	3900	4700	4900
Arsenic	mg/kg		3.2	1.9	0.95	0.6
Barium	mg/kg		14	20	12	13
Cadmium	mg/kg		0.08	0.02	0.09	0.13
Chromium	mg/kg		6.1	6.4	6.4	8
Copper	mg/kg		5.7	5.2	5.5	3.2
Lead	mg/kg		0.65	0.72	0.67	1.1
Mercury	mg/kg		0.08 U	0.09 U	0.09 U	0.09 U
Nickel	mg/kg		5.6	5.2	5.9	6.4
Zinc	mg/kg		150	14	180	220
Conventionals						
Total Organic Carbon	%	0.239		0.0794		

	Event	Hart Crowser's RI Event 2				
	Location	B-37	B-37	B-38		
	SampleID	**B-37/S-1**	**B-37/S-11**	**B-38/S-1**		
	Depth (bgs)	1.5 - 3.5 ft	21.5 - 23.5 ft	9 - 11 ft		
	Sample Date	08/27/1992	08/27/1992	08/27/1992		
Volatile Organic Compounds						
Tetrachloroethene	µg/kg	60 U	60 U	60 U		
Trichloroethene	µg/kg	60 U	60 U	60 U		
1,2-Dichloroethene (total)	µg/kg	60 U	60 U	60 U		
1,1-Dichloroethene	µg/kg	60 U	60 U	60 U		
Vinyl chloride	µg/kg	60 U	60 U	60 U		
1,1,1-Trichloroethane	µg/kg	60 U	60 U	60 U		
1,1,2,2-Tetrachloroethane	µg/kg	60 U	60 U	60 U		
1,1,2-Trichloroethane	µg/kg	60 U	60 U	60 U		
1,1-Dichloroethane	µg/kg	60 U	60 U	60 U		
Chloroethane	µg/kg	60 U	60 U	60 U		
Acetone	µg/kg	1200 U	1700 U	1200 U		
Dichloromethane	µg/kg	300 U	330 U	320 U		
1,2,4-Trichlorobenzene	µg/kg	210 U	210 U	1100 U		
1,2-Dichlorobenzene	µg/kg	210 U	210 U	1100 U		
1,2-Dichloroethane	µg/kg	60 U	60 U	60 U		
1,2-Dichloropropane	µg/kg	60 U	60 U	60 U		
1,3-Dichlorobenzene	µg/kg	210 U	210 U	1100 U		
1,4-Dichlorobenzene	µg/kg	210 U	210 U	1100 U		
2-Hexanone	µg/kg	600 U	630 U	650 U		
Bromodichloromethane	µg/kg	60 U	60 U	60 U		
Bromoform	µg/kg	300 U	320 U	320 U		
Bromomethane	µg/kg	600 U	630 U	650 U		
Carbon disulfide	µg/kg	60 U	60 U	60 U		
Carbon tetrachloride	µg/kg	60 U	60 U	60 U		
Chlorobenzene	µg/kg	60 U	60 U	60 U		
Chloroform	µg/kg	60 U	60 U	60 U		
Chloromethane	µg/kg	600 U	630 U	650 U		
cis-1,3-Dichloropropene	µg/kg	60 U	60 U	60 U		
Dibromochloromethane	µg/kg	60 U	60 U	60 U		
Methyl ethyl ketone	µg/kg	2200 U	2000 U	1800 U		
Methyl iso butyl ketone	µg/kg	600 U	630 U	650 U		
trans-1,3-Dichloropropene	µg/kg	60 U	60 U	60 U		
Vinyl acetate	µg/kg	600 U	630 U	650 U		
Total Petroleum Hydrocarbons						
Diesel #2	mg/kg	143	30 U	31 U		
Gasoline	mg/kg	1429 JN	6 U	48 JN		
Thinner	mg/kg	1310		45		
BTEX						
Benzene	µg/kg	60 U	60 U	60 U		
Toluene	µg/kg	60 U	60 U	60 U		
Ethylbenzene	µg/kg	60 U	60 U	60 U		
Xylene (total)	µg/kg	60 U	60 U	60 U		
Alkylated Benzenes						
Styrene	µg/kg	60 U	60 U	60 U		
Semivolatile Organic Compounds						
Benzo(a)anthracene	µg/kg	210 U	210 U	1100 U		
Benzo(a)pyrene	µg/kg	210 U	210 U	1100 U		
Benzo(g,h,i)perylene	µg/kg	210 U	210 U	1100 U		

	Event	Hart Crowser's RI Event 2				
	Location	B-37	B-37	B-38		
	SampleID	**B-37/S-1**	**B-37/S-11**	**B-38/S-1**		
	Depth (bgs)	1.5 - 3.5 ft	21.5 - 23.5 ft	9 - 11 ft		
	Sample Date	08/27/1992	08/27/1992	08/27/1992		
Semivolatile Organic Compounds						
Benzo(b)fluoranthene	µg/kg	210 U	210 U	1100 U		
Benzo(k)fluoranthene	µg/kg	210 U	210 U	1100 U		
Chrysene	µg/kg	210 U	210 U	1100 U		
Dibenzo(a,h)anthracene	µg/kg	210 U	210 U	1100 U		
Fluoranthene	µg/kg	210 U	210 U	1100 U		
Indeno(1,2,3-cd)pyrene	µg/kg	210 U	210 U	1100 U		
Pyrene	µg/kg	210 U	210 U	1100 U		
1-Methylnaphthalene	µg/kg	210 U	210 U	1100 U		
Acenaphthene	µg/kg	210 U	210 U	1100 U		
Acenaphthylene	µg/kg	210 U	210 U	1100 U		
Anthracene	µg/kg	210 U	210 U	1100 U		
Fluorene	µg/kg	210 U	210 U	1100 U		
Naphthalene	µg/kg	300	210 U	2400		
Phenanthrene	µg/kg	210 U	210 U	1100 U		
2-Methylnaphthalene	µg/kg	210 U	210 U	2800		
bis(2-ethylhexyl)phthalate	µg/kg	210 U	210 U	1100 U		
Di-n-butyl phthalate	µg/kg	210 U	210 U	1100 U		
Butyl benzyl phthalate	µg/kg	6900	210 U	1100 U		
Diethylphthalate	µg/kg	210 U	210 U	1100 U		
Dimethyl phthalate	µg/kg	210 U	210 U	1100 U		
Di-n-octyl phthalate	µg/kg	210 U	210 U	1100 U		
Pentachlorophenol	µg/kg	340	11	71000		
Tetrachlorophenols (total)	µg/kg	370 U	7.4 U	38000		
2,4-Dichlorophenol	µg/kg	210 U	37 U	19000 U		
2,4,5-Trichlorophenol	µg/kg	1000 U	12 U	6400 U		
2,4,6-Trichlorophenol	µg/kg	210 U	7.4 U	3800 U		
2-Chlorophenol	µg/kg	210 U	210 U	1100 U		
2,4-Dimethylphenol	µg/kg	210 U	210 U	1100 U		
2,4-Dinitrophenol	µg/kg	1000 U	1100 U	5400 U		
2,4-Dinitrotoluene	µg/kg	210 U	210 U	1100 U		
2,6-Dinitrotoluene	µg/kg	210 U	210 U	1100 U		
2-Chloronaphthalene	µg/kg	210 U	210 U	1100 U		
2-Methylphenol	µg/kg	210 U	210 U	1100 U		
2-Nitroaniline	µg/kg	1000 U	1100 U	5400 U		
2-Nitrophenol	µg/kg	210 U	210 U	1100 U		
3,3'-Dichlorobenzidine	µg/kg	420 U	420 U	2200 U		
3-Nitroaniline	µg/kg	1000 U	1100 U	5400 U		
4,6-Dinitro-o-cresol	µg/kg	1000 U	1100 U	5400 U		
4-Bromophenyl phenyl ether	µg/kg	210 U	210 U	1100 U		
4-Chloro-3-methylphenol	µg/kg	210 U	210 U	1100 U		
4-Chloroaniline	µg/kg	210 U	210 U	1100 U		
4-Chlorophenyl phenyl ether	µg/kg	210 U	210 U	1100 U		
4-Methylphenol	µg/kg	210 U	210 U	1100 U		
4-Nitroaniline	µg/kg	1000 U	1100 U	5400 U		
4-Nitrophenol	µg/kg	1000 U	1100 U	5400 U		
Aniline	µg/kg	210 U	210 U	1100 U		
Benzidine	µg/kg	2100 U	2100 U	11000 U		
Benzoic acid	µg/kg	1000 U	1100 U	5400 U		

	Event	**Hart Crowser's RI Event 2**				
	Location	B-37	B-37	B-38		
	SampleID	**B-37/S-1**	**B-37/S-11**	**B-38/S-1**		
	Depth (bgs)	1.5 - 3.5 ft	21.5 - 23.5 ft	9 - 11 ft		
	Sample Date	08/27/1992	08/27/1992	08/27/1992		
Semivolatile Organic Compounds						
Benzyl alcohol	µg/kg	210 U	210 U	1100 U		
bis(2-chloroethoxy)methane	µg/kg	210 U	210 U	1100 U		
bis(2-chloroethyl)ether	µg/kg	210 U	210 U	1100 U		
bis(2-chloroisopropyl)ether	µg/kg	210 U	210 U	1100 U		
Dibenzofuran	µg/kg	210 U	210 U	1100 U		
Hexachlorobenzene	µg/kg	210 U	210 U	1100 U		
Hexachlorobutadiene	µg/kg	210 U	210 U	1100 U		
Hexachlorocyclopentadiene	µg/kg	210 U	210 U	1100 U		
Hexachloroethane	µg/kg	210 U	210 U	1100 U		
Isophorone	µg/kg	210 U	210 U	1100 U		
Nitrobenzene	µg/kg	210 U	210 U	1100 U		
N-Nitrosodimethylamine	µg/kg	210 U	210 U	1100 U		
N-Nitroso-di-n-propylamine	µg/kg	210 U	210 U	1100 U		
N-Nitrosodiphenylamine	µg/kg	210 U	210 U	1100 U		
Phenol	µg/kg	210 U	210 U	1100 U		
Metals						
Aluminum	mg/kg	11000	4200	7300		
Arsenic	mg/kg	1.2	1.2	1.2		
Barium	mg/kg	26	17	26		
Cadmium	mg/kg	0.01	0.01 U	0.04		
Chromium	mg/kg	13	6.4	10		
Copper	mg/kg	16	3.5	12		
Lead	mg/kg	2.1	0.9	1.6		
Mercury	mg/kg	0.09 U	0.09 U	0.09 U		
Nickel	mg/kg	6.5	6.8	6.3		
Zinc	mg/kg	24	13	29		
Conventionals						
Total Organic Carbon	%		0.027			

	Event	Hart Crowser's RI Event 1				
	Location	B-05	B-18	B-18	B-18	B-19
	SampleID	**B-5/SURFACE TOTAL**	**B-18/S3**	**B-18/S6**	**B-18/S11**	**B-19/S8**
	Depth (bgs)	0 ft	3 - 4.5 ft	7.5 - 9 ft	15 - 16.5 ft	26.5 - 28 ft
	Sample Date	04/09/1992	03/29/1992	03/29/1992	03/29/1992	04/07/1992
Volatile Organic Compounds						
Tetrachloroethene	µg/kg		60 U	50 U	60 U	60 U
Trichloroethene	µg/kg		60 U	50 U	60 U	60 U
1,2-Dichloroethene (total)	µg/kg		60 U	50 U	60 U	60 U
1,1-Dichloroethene	µg/kg		60 U	50 U	60 U	60 U
Vinyl chloride	µg/kg		60 U	50 U	60 U	60 U
1,1,1-Trichloroethane	µg/kg		60 U	50 U	60 U	60 U
1,1,2,2-Tetrachloroethane	µg/kg		60 U	50 U	60 U	60 U
1,1,2-Trichloroethane	µg/kg		60 U	50 U	60 U	60 U
1,1-Dichloroethane	µg/kg		60 U	50 U	60 U	60 U
Chloroethane	µg/kg		60 U	50 U	60 U	60 U
Acetone	µg/kg		890 U	1200 U	1300 U	1200 U
Dichloromethane	µg/kg		170 U	380 U	460 U	300 U
1,2,4-Trichlorobenzene	µg/kg	470 U	200 U	180 U	210 U	220 U
1,2-Dichlorobenzene	µg/kg	470 U	200 U	180 U	210 U	220 U
1,2-Dichloroethane	µg/kg		60 U	50 U	60 U	60 U
1,2-Dichloropropane	µg/kg		60 U	50 U	60 U	60 U
1,3-Dichlorobenzene	µg/kg	470 U	200 U	180 U	210 U	220 U
1,4-Dichlorobenzene	µg/kg	470 U	200 U	180 U	210 U	220 U
2-Hexanone	µg/kg		610 U	530 U	630 U	610 U
Bromodichloromethane	µg/kg		60 U	50 U	60 U	60 U
Bromoform	µg/kg		300 U	260 U	320 U	300 U
Bromomethane	µg/kg		610 U	530 U	630 U	610 U
Carbon disulfide	µg/kg		60 U	50 U	60 U	60 U
Carbon tetrachloride	µg/kg		60 U	50 U	60 U	60 U
Chlorobenzene	µg/kg		60 U	50 U	60 U	60 U
Chloroform	µg/kg		60 U	50 U	60 U	60 U
Chloromethane	µg/kg		610 U	530 U	630 U	610 U
cis-1,3-Dichloropropene	µg/kg		60 U	50 U	60 U	60 U
Dibromochloromethane	µg/kg		60 U	50 U	60 U	60 U
Methyl ethyl ketone	µg/kg		610 U	530 U	630 U	610 U
Methyl iso butyl ketone	µg/kg		610 U	530 U	630 U	610 U
trans-1,3-Dichloropropene	µg/kg		60 U	50 U	60 U	60 U
Vinyl acetate	µg/kg		610 U	530 U	630 U	610 U
Total Petroleum Hydrocarbons						
Diesel #2	mg/kg	408 JN	30 U	26 U	32 U	32 U
Gasoline	mg/kg	13	6 U	5 U	6 U	6 U
Motor Oil	mg/kg	1408				
Thinner	mg/kg		30 U	26 U	32 U	32 U
BTEX						
Benzene	µg/kg		60 U	50 U	60 U	60 U
Toluene	µg/kg		60 U	50 U	60 U	60 U
Ethylbenzene	µg/kg		60 U	50 U	60 U	60 U
Xylene (total)	µg/kg		60 U	50 U	60 U	60 U
Alkylated Benzenes						
Styrene	µg/kg		60 U	50 U	60 U	60 U
Semivolatile Organic Compounds						
Benzo(a)anthracene	µg/kg	470 U	200 U	180 U	210 U	220 U

	Event	Hart Crowser's RI Event 1				
	Location	B-05	B-18	B-18	B-18	B-19
	SampleID	**B-5/SURFACE TOTAL**	**B-18/S3**	**B-18/S6**	**B-18/S11**	**B-19/S8**
	Depth (bgs)	0 ft	3 - 4.5 ft	7.5 - 9 ft	15 - 16.5 ft	26.5 - 28 ft
	Sample Date	04/09/1992	03/29/1992	03/29/1992	03/29/1992	04/07/1992
Semivolatile Organic Compounds						
Benzo(a)pyrene	µg/kg	470 U	200 U	180 U	210 U	220 U
Benzo(g,h,i)perylene	µg/kg	470 U	200 U	180 U	210 U	220 U
Benzo(b)fluoranthene	µg/kg	470 U	200 U	180 U	210 U	220 U
Benzo(k)fluoranthene	µg/kg	470 U	200 U	180 U	210 U	220 U
Chrysene	µg/kg	470 U	200 U	180 U	210 U	220 U
Dibenzo(a,h)anthracene	µg/kg	470 U	200 U	180 U	210 U	220 U
Fluoranthene	µg/kg	470 U	200 U	180 U	210 U	220 U
Indeno(1,2,3-cd)pyrene	µg/kg	470 U	200 U	180 U	210 U	220 U
Pyrene	µg/kg	470 U	200 U	180 U	210 U	220 U
1-Methylnaphthalene	µg/kg	470 U	200 U	180 U	210 U	220 U
Acenaphthene	µg/kg	470 U	200 U	180 U	210 U	220 U
Acenaphthylene	µg/kg	470 U	200 U	180 U	210 U	220 U
Anthracene	µg/kg	470 U	200 U	180 U	210 U	220 U
Fluorene	µg/kg	470 U	200 U	180 U	210 U	220 U
Naphthalene	µg/kg	470 U	200 U	180 U	210 U	220 U
Phenanthrene	µg/kg	470 U	200 U	180 U	210 U	220 U
2-Methylnaphthalene	µg/kg	470 U	200 U	180 U	210 U	220 U
bis(2-ethylhexyl)phthalate	µg/kg	740	200 U	180 U	210 U	220 U
Di-n-butyl phthalate	µg/kg	470 U	200 U	180 U	210 U	220 U
Butyl benzyl phthalate	µg/kg	470 U	200 U	180 U	210 U	220 U
Diethylphthalate	µg/kg	470 U	200 U	180 U	210 U	220 U
Dimethyl phthalate	µg/kg	470 U	200 U	180 U	210 U	220 U
Di-n-octyl phthalate	µg/kg	470 U	200 U	180 U	210 U	220 U
Pentachlorophenol	µg/kg	2 U	1000 U	910 U	1000 U	1100 U
Tetrachlorophenols (total)	µg/kg	6 U	6 U	6 U	6 U	60 U
2,4-Dichlorophenol	µg/kg	30 U	43	30 U	210 U	220 U
2,4,5-Trichlorophenol	µg/kg	10 U	10 U	10 U	1000 U	1100 U
2,4,6-Trichlorophenol	µg/kg	6 U	6 U	6 U	210 U	220 U
2-Chlorophenol	µg/kg	470 U	200 U	180 U	210 U	220 U
2,4-Dimethylphenol	µg/kg	470 U	200 U	180 U	210 U	220 U
2,4-Dinitrophenol	µg/kg	2300 U	1000 U	910 U	1000 U	1100 U
2,4-Dinitrotoluene	µg/kg	470 U	200 U	180 U	210 U	220 U
2,6-Dinitrotoluene	µg/kg	470 U	200 U	180 U	210 U	220 U
2-Chloronaphthalene	µg/kg	470 U	200 U	180 U	210 U	220 U
2-Methylphenol	µg/kg	470 U	200 U	180 U	210 U	220 U
2-Nitroaniline	µg/kg	2300 U	1000 U	910 U	1000 U	1100 U
2-Nitrophenol	µg/kg	470 U	200 U	180 U	210 U	220 U
3,3'-Dichlorobenzidine	µg/kg	940 U	410 U	360 U	420 U	430 U
3-Nitroaniline	µg/kg	2300 U	1000 U	910 U	1000 U	1100 U
4,6-Dinitro-o-cresol	µg/kg	2300 U	1000 U	910 U	1000 U	1100 U
4-Bromophenyl phenyl ether	µg/kg	470 U	200 U	180 U	210 U	220 U
4-Chloro-3-methylphenol	µg/kg	470 U	200 U	180 U	210 U	220 U
4-Chloroaniline	µg/kg	470 U	200 U	180 U	210 U	220 U
4-Chlorophenyl phenyl ether	µg/kg	470 U	200 U	180 U	210 U	220 U
4-Methylphenol	µg/kg	470 U	200 U	180 U	210 U	220 U
4-Nitroaniline	µg/kg	2300 U	1000 U	910 U	1000 U	1100 U
4-Nitrophenol	µg/kg	2300 U	1000 U	910 U	1000 U	1100 U

	Event	Hart Crowser's RI Event 1				
	Location	B-05	B-18	B-18	B-18	B-19
	SampleID	**B-5/SURFACE TOTAL**	**B-18/S3**	**B-18/S6**	**B-18/S11**	**B-19/S8**
	Depth (bgs)	0 ft	3 - 4.5 ft	7.5 - 9 ft	15 - 16.5 ft	26.5 - 28 ft
	Sample Date	04/09/1992	03/29/1992	03/29/1992	03/29/1992	04/07/1992
Semivolatile Organic Compounds						
Aniline	µg/kg	470 U	200 U	180 U	210 U	220 U
Benzidine	µg/kg	4700 U	2000 U	1800 U	2100 U	2200 U
Benzoic acid	µg/kg	2300 U	1000 U	910 U	1000 U	1100 U
Benzyl alcohol	µg/kg	470 U	200 U	180 U	210 U	220 U
bis(2-chloroethoxy)methane	µg/kg	470 U	200 U	180 U	210 U	220 U
bis(2-chloroethyl)ether	µg/kg	470 U	200 U	180 U	210 U	220 U
bis(2-chloroisopropyl)ether	µg/kg	470 U	200 U	180 U	210 U	220 U
Dibenzofuran	µg/kg	470 U	200 U	180 U	210 U	220 U
Hexachlorobenzene	µg/kg	470 U	200 U	180 U	210 U	220 U
Hexachlorobutadiene	µg/kg	470 U	200 U	180 U	210 U	220 U
Hexachlorocyclopentadiene	µg/kg	470 U	200 U	180 U	210 U	220 U
Hexachloroethane	µg/kg	470 U	200 U	180 U	210 U	220 U
Isophorone	µg/kg	470 U	200 U	180 U	210 U	220 U
Nitrobenzene	µg/kg	470 U	200 U	180 U	210 U	220 U
N-Nitrosodimethylamine	µg/kg	470 U	200 U	180 U	210 U	220 U
N-Nitroso-di-n-propylamine	µg/kg	470 U	200 U	180 U	210 U	220 U
N-Nitrosodiphenylamine	µg/kg	470 U	200 U	180 U	210 U	220 U
Phenol	µg/kg	470 U	200 U	180 U	210 U	220 U
Metals						
Aluminum	mg/kg	12000	6700	3100	3000	4400
Arsenic	mg/kg	6.4	1.8	1.2	0.31 U	1.2
Barium	mg/kg	56	17	8	11	18
Cadmium	mg/kg	1.1	0.22	0.01	0.05	0.04
Chromium	mg/kg	12	9	4.3	5.8	6
Copper	mg/kg	41	12	6.3	6.8	11
Lead	mg/kg	38	1.6	0.77	0.79	1.1
Mercury	mg/kg	0.1 U	0.09 U	0.07 U	0.08 U	0.12 U
Nickel	mg/kg	15	5.8	3.9	3.7	5.7
Zinc	mg/kg	880	110	11	14	14
Conventionals						
Total Organic Carbon	%					0.144

	Event	Hart Crowser's RI Event 1				
	Location	B-19	B-20	B-20	B-20	B-21
	SampleID	**B-19/S20**	**B-20/S3**	**B-20/S7**	**B-20/S10**	**B-21/S2**
	Depth (bgs)	44.5 - 46 ft	3 - 4.5 ft	7.5 - 9 ft	12 - 13.5 ft	22.5 - 24 ft
	Sample Date	04/07/1992	03/28/1992	03/28/1992	03/28/1992	04/08/1992
Volatile Organic Compounds						
Tetrachloroethene	µg/kg	60 U	50 U	50 U	60 U	60 U
Trichloroethene	µg/kg	60 U	50 U	50 U	60 U	220
1,2-Dichloroethene (total)	µg/kg	60 U	50 U	50 U	60 U	60 U
1,1-Dichloroethene	µg/kg	60 U	50 U	50 U	60 U	60 U
Vinyl chloride	µg/kg	60 U	50 U	50 U	60 U	60 U
1,1,1-Trichloroethane	µg/kg	60 U	50 U	50 U	60 U	60 U
1,1,2,2-Tetrachloroethane	µg/kg	60 U	50 U	50 U	60 U	60 U
1,1,2-Trichloroethane	µg/kg	60 U	50 U	50 U	60 U	60 U
1,1-Dichloroethane	µg/kg	60 U	50 U	50 U	60 U	60 U
Chloroethane	µg/kg	60 U	50 U	50 U	60 U	60 U
Acetone	µg/kg	1200 U	780 U	1200 U	1300 U	1300 U
Dichloromethane	µg/kg	300 U	190 U	380 U	450 U	310 U
1,2,4-Trichlorobenzene	µg/kg	210 U	210 U	190 U	220 U	210 U
1,2-Dichlorobenzene	µg/kg	210 U	210 U	190 U	220 U	210 U
1,2-Dichloroethane	µg/kg	60 U	50 U	50 U	60 U	60 U
1,2-Dichloropropane	µg/kg	60 U	50 U	50 U	60 U	60 U
1,3-Dichlorobenzene	µg/kg	210 U	210 U	190 U	220 U	210 U
1,4-Dichlorobenzene	µg/kg	210 U	210 U	190 U	220 U	210 U
2-Hexanone	µg/kg	600 U	580 U	570 U	670 U	630 U
Bromodichloromethane	µg/kg	60 U	50 U	50 U	60 U	60 U
Bromoform	µg/kg	300 U	290 U	280 U	330 U	310 U
Bromomethane	µg/kg	600 U	580 U	570 U	670 U	630 U
Carbon disulfide	µg/kg	60 U	50 U	50 U	60 U	60 U
Carbon tetrachloride	µg/kg	60 U	50 U	50 U	60 U	60 U
Chlorobenzene	µg/kg	60 U	50 U	50 U	60 U	60 U
Chloroform	µg/kg	60 U	50 U	50 U	60 U	60 U
Chloromethane	µg/kg	600 U	580 U	570 U	670 U	630 U
cis-1,3-Dichloropropene	µg/kg	60 U	50 U	50 U	60 U	60 U
Dibromochloromethane	µg/kg	60 U	50 U	50 U	60 U	60 U
Methyl ethyl ketone	µg/kg	600 U	580 U	570 U	670 U	630 U
Methyl iso butyl ketone	µg/kg	600 U	580 U	570 U	670 U	630 U
trans-1,3-Dichloropropene	µg/kg	60 U	50 U	50 U	60 U	60 U
Vinyl acetate	µg/kg	600 U	580 U	570 U	670 U	630 U
Total Petroleum Hydrocarbons						
Diesel #2	mg/kg	30 U	29 U	28 U	33 U	33 U
Gasoline	mg/kg	6 U	6 U	6 U	7 U	11
Thinner	mg/kg	30 U	29 U	28 U	33 U	33 U
BTEX						
Benzene	µg/kg	60 U	50 U	50 U	60 U	60 U
Toluene	µg/kg	60 U	50 U	50 U	60 U	60 U
Ethylbenzene	µg/kg	60 U	50 U	50 U	60 U	260
Xylene (total)	µg/kg	60 U	50 U	50 U	60 U	180
Alkylated Benzenes						
Styrene	µg/kg	60 U	50 U	50 U	60 U	60 U
Semivolatile Organic Compounds						
Benzo(a)anthracene	µg/kg	210 U	210 U	190 U	220 U	210 U
Benzo(a)pyrene	µg/kg	210 U	210 U	190 U	220 U	210 U
Benzo(g,h,i)perylene	µg/kg	210 U	210 U	190 U	220 U	210 U

	Event	Hart Crowser's RI Event 1				
	Location	B-19	B-20	B-20	B-20	B-21
	SampleID	**B-19/S20**	**B-20/S3**	**B-20/S7**	**B-20/S10**	**B-21/S2**
	Depth (bgs)	44.5 - 46 ft	3 - 4.5 ft	7.5 - 9 ft	12 - 13.5 ft	22.5 - 24 ft
	Sample Date	04/07/1992	03/28/1992	03/28/1992	03/28/1992	04/08/1992
Semivolatile Organic Compounds						
Benzo(b)fluoranthene	µg/kg	210 U	210 U	190 U	220 U	210 U
Benzo(k)fluoranthene	µg/kg	210 U	210 U	190 U	220 U	210 U
Chrysene	µg/kg	210 U	210 U	190 U	220 U	210 U
Dibenzo(a,h)anthracene	µg/kg	210 U	210 U	190 U	220 U	210 U
Fluoranthene	µg/kg	210 U	210 U	190 U	220 U	210 U
Indeno(1,2,3-cd)pyrene	µg/kg	210 U	210 U	190 U	220 U	210 U
Pyrene	µg/kg	210 U	210 U	190 U	220 U	210 U
1-Methylnaphthalene	µg/kg	210 U	210 U	190 U	220 U	210 U
Acenaphthene	µg/kg	210 U	210 U	190 U	220 U	210 U
Acenaphthylene	µg/kg	210 U	210 U	190 U	220 U	210 U
Anthracene	µg/kg	210 U	210 U	190 U	220 U	210 U
Fluorene	µg/kg	210 U	210 U	190 U	220 U	210 U
Naphthalene	µg/kg	210 U	210 U	190 U	220 U	210 U
Phenanthrene	µg/kg	210 U	210 U	190 U	220 U	210 U
2-Methylnaphthalene	µg/kg	210 U	210 U	190 U	220 U	210 U
bis(2-ethylhexyl)phthalate	µg/kg	210 U	210 U	190 U	220 U	210 U
Di-n-butyl phthalate	µg/kg	210 U	210 U	190 U	220 U	210 U
Butyl benzyl phthalate	µg/kg	210 U	210 U	190 U	220 U	210 U
Diethylphthalate	µg/kg	210 U	210 U	190 U	220 U	210 U
Dimethyl phthalate	µg/kg	210 U	210 U	190 U	220 U	210 U
Di-n-octyl phthalate	µg/kg	210 U	210 U	190 U	220 U	210 U
Pentachlorophenol	µg/kg	2 U	1000 U	2 U	2 U	1000 U
Tetrachlorophenols (total)	µg/kg	6 U	6 U	6 U	6 U	6 U
2,4-Dichlorophenol	µg/kg	210 U	210 U	30 U	30 U	210 U
2,4,5-Trichlorophenol	µg/kg	1100 U	1000 U	940 U	10 U	1000 U
2,4,6-Trichlorophenol	µg/kg	210 U	210 U	9.9	220 U	210 U
2-Chlorophenol	µg/kg	210 U	210 U	190 U	220 U	210 U
2,4-Dimethylphenol	µg/kg	210 U	210 U	190 U	220 U	210 U
2,4-Dinitrophenol	µg/kg	1100 U	1000 U	940 U	1100 U	1000 U
2,4-Dinitrotoluene	µg/kg	210 U	210 U	190 U	220 U	210 U
2,6-Dinitrotoluene	µg/kg	210 U	210 U	190 U	220 U	210 U
2-Chloronaphthalene	µg/kg	210 U	210 U	190 U	220 U	210 U
2-Methylphenol	µg/kg	210 U	210 U	190 U	220 U	210 U
2-Nitroaniline	µg/kg	1100 U	1000 U	940 U	1100 U	1000 U
2-Nitrophenol	µg/kg	210 U	210 U	190 U	220 U	210 U
3,3'-Dichlorobenzidine	µg/kg	420 U	410 U	380 U	440 U	410 U
3-Nitroaniline	µg/kg	1100 U	1000 U	940 U	1100 U	1000 U
4,6-Dinitro-o-cresol	µg/kg	1100 U	1000 U	940 U	1100 U	1000 U
4-Bromophenyl phenyl ether	µg/kg	210 U	210 U	190 U	220 U	210 U
4-Chloro-3-methylphenol	µg/kg	210 U	210 U	190 U	220 U	210 U
4-Chloroaniline	µg/kg	210 U	210 U	190 U	220 U	210 U
4-Chlorophenyl phenyl ether	µg/kg	210 U	210 U	190 U	220 U	210 U
4-Methylphenol	µg/kg	210 U	210 U	190 U	220 U	210 U
4-Nitroaniline	µg/kg	1100 U	1000 U	940 U	1100 U	1000 U
4-Nitrophenol	µg/kg	1100 U	1000 U	940 U	1100 U	1000 U
Aniline	µg/kg	210 U	210 U	190 U	220 U	210 U
Benzidine	µg/kg	2100 U	2100 U	1900 U	2200 U	2100 U
Benzoic acid	µg/kg	1100 U	1000 U	940 U	1100 U	1000 U

	Event	**Hart Crowser's RI Event 1**				
	Location	B-19	B-20	B-20	B-20	B-21
	SampleID	**B-19/S20**	**B-20/S3**	**B-20/S7**	**B-20/S10**	**B-21/S2**
	Depth (bgs)	44.5 - 46 ft	3 - 4.5 ft	7.5 - 9 ft	12 - 13.5 ft	22.5 - 24 ft
	Sample Date	04/07/1992	03/28/1992	03/28/1992	03/28/1992	04/08/1992
Semivolatile Organic Compounds						
Benzyl alcohol	µg/kg	210 U	210 U	190 U	220 U	210 U
bis(2-chloroethoxy)methane	µg/kg	210 U	210 U	190 U	220 U	210 U
bis(2-chloroethyl)ether	µg/kg	210 U	210 U	190 U	220 U	210 U
bis(2-chloroisopropyl)ether	µg/kg	210 U	210 U	190 U	220 U	210 U
Dibenzofuran	µg/kg	210 U	210 U	190 U	220 U	210 U
Hexachlorobenzene	µg/kg	210 U	210 U	190 U	220 U	210 U
Hexachlorobutadiene	µg/kg	210 U	210 U	190 U	220 U	210 U
Hexachlorocyclopentadiene	µg/kg	210 U	210 U	190 U	220 U	210 U
Hexachloroethane	µg/kg	210 U	210 U	190 U	220 U	210 U
Isophorone	µg/kg	210 U	210 U	190 U	220 U	210 U
Nitrobenzene	µg/kg	210 U	210 U	190 U	220 U	210 U
N-Nitrosodimethylamine	µg/kg	210 U	210 U	190 U	220 U	210 U
N-Nitroso-di-n-propylamine	µg/kg	210 U	210 U	190 U	220 U	210 U
N-Nitrosodiphenylamine	µg/kg	210 U	210 U	190 U	220 U	210 U
Phenol	µg/kg	210 U	210 U	190 U	220 U	210 U
Metals						
Aluminum	mg/kg	3500	4900	3300	3500	4300
Arsenic	mg/kg	0.97	1.9	0.63	0.69	0.81
Barium	mg/kg	12	16	9.7	9.7	19
Cadmium	mg/kg	0.23	0.03	0.02	0.02	0.03
Chromium	mg/kg	4.9	6.6	5.5	6.5	6.5
Copper	mg/kg	6.5	14	7.5	9.9	9.5
Lead	mg/kg	0.73	2	0.83	0.9	1
Mercury	mg/kg	0.11 U	0.08 U	0.08 U	0.11 U	0.11 U
Nickel	mg/kg	4.8	5.3	4.3	5.1	6.1
Zinc	mg/kg	12	22	13	15	15
Conventionals						
Total Organic Carbon	%		0.115			

	Event	Hart Crowser's RI Event 1				
	Location	B-21	B-21	B-21	B-22	B-22
	SampleID	**B-21/S15**	**B-21/S19**	**B-21/S19A**	**B-22/S2**	**B-22/S5**
	Depth (bgs)	42 - 43.5 ft	48 - 49.5 ft	47 - 48.5 ft	1.5 - 3 ft	6 - 7.5 ft
	Sample Date	04/08/1992	04/08/1992	04/08/1992	03/27/1992	03/27/1992
Volatile Organic Compounds						
Tetrachloroethene	µg/kg	60 U	120	60 U	50 U	50 U
Trichloroethene	µg/kg	60 U	1200	570	50 U	50 U
1,2-Dichloroethene (total)	µg/kg	190	310	190	50 U	50 U
1,1-Dichloroethene	µg/kg	60 U	60 U	60 U	50 U	50 U
Vinyl chloride	µg/kg	200	60 U	60 U	50 U	50 U
1,1,1-Trichloroethane	µg/kg	60 U	60 U	60 U	50 U	50 U
1,1,2,2-Tetrachloroethane	µg/kg	60 U	60 U	60 U	50 U	50 U
1,1,2-Trichloroethane	µg/kg	60 U	60 U	60 U	50 U	50 U
1,1-Dichloroethane	µg/kg	60 U	60 U	60 U	50 U	50 U
Chloroethane	µg/kg	60 U	60 U	60 U	50 U	50 U
Acetone	µg/kg	1300 U	1300 U	1300 U	1200 U	1100 U
Dichloromethane	µg/kg	330 U	270 U	290 U	430 U	490 U
1,2,4-Trichlorobenzene	µg/kg	210 U	220 U	220 U	400 U	190 U
1,2-Dichlorobenzene	µg/kg	210 U	220 U	220 U	400 U	190 U
1,2-Dichloroethane	µg/kg	60 U	60 U	60 U	50 U	50 U
1,2-Dichloropropane	µg/kg	60 U	60 U	60 U	50 U	50 U
1,3-Dichlorobenzene	µg/kg	210 U	220 U	220 U	400 U	190 U
1,4-Dichlorobenzene	µg/kg	210 U	220 U	220 U	400 U	190 U
2-Hexanone	µg/kg	660 U	640 U	630 U	570 U	540 U
Bromodichloromethane	µg/kg	60 U	60 U	60 U	50 U	50 U
Bromoform	µg/kg	330 U	320 U	320 U	290 U	270 U
Bromomethane	µg/kg	660 U	640 U	630 U	570 U	540 U
Carbon disulfide	µg/kg	60 U	60 U	60 U	50 U	50 U
Carbon tetrachloride	µg/kg	60 U	60 U	60 U	50 U	50 U
Chlorobenzene	µg/kg	60 U	60 U	60 U	50 U	50 U
Chloroform	µg/kg	60 U	60 U	60 U	50 U	50 U
Chloromethane	µg/kg	660 U	640 U	630 U	570 U	540 U
cis-1,3-Dichloropropene	µg/kg	60 U	60 U	60 U	50 U	50 U
Dibromochloromethane	µg/kg	60 U	60 U	60 U	50 U	50 U
Methyl ethyl ketone	µg/kg	660 U	640 U	630 U	570 U	540 U
Methyl iso butyl ketone	µg/kg	660 U	640 U	630 U	570 U	540 U
trans-1,3-Dichloropropene	µg/kg	60 U	60 U	60 U	50 U	50 U
Vinyl acetate	µg/kg	660 U	640 U	630 U	570 U	540 U
Total Petroleum Hydrocarbons						
Diesel #2	mg/kg	32 U	34 U	32 U	29 U	27 U
Gasoline	mg/kg	6 U	7 U	6 U	6 U	5 U
Motor Oil	mg/kg				712 J	
Thinner	mg/kg	32 U	34 U	32 U	29 U	27 U
BTEX						
Benzene	µg/kg	60 U	60 U	60 U	50 U	50 U
Toluene	µg/kg	80	60 U	60 U	50 U	50 U
Ethylbenzene	µg/kg	60 U	60 U	60 U	50 U	50 U
Xylene (total)	µg/kg	60 U	60 U	60 U	50 U	50 U
Alkylated Benzenes						
Styrene	µg/kg	60 U	60 U	60 U	50 U	50 U
Semivolatile Organic Compounds						
Benzo(a)anthracene	µg/kg	210 U	220 U	220 U	790	190 U
Benzo(a)pyrene	µg/kg	210 U	220 U	220 U	1000	190 U

	Event	Hart Crowser's RI Event 1				
	Location	B-21	B-21	B-21	B-22	B-22
	SampleID	**B-21/S15**	**B-21/S19**	**B-21/S19A**	**B-22/S2**	**B-22/S5**
	Depth (bgs)	42 - 43.5 ft	48 - 49.5 ft	47 - 48.5 ft	1.5 - 3 ft	6 - 7.5 ft
	Sample Date	04/08/1992	04/08/1992	04/08/1992	03/27/1992	03/27/1992
Semivolatile Organic Compounds						
Benzo(g,h,i)perylene	µg/kg	210 U	220 U	220 U	580	190 U
Benzo(b)fluoranthene	µg/kg	210 U	220 U	220 U	700	190 U
Benzo(k)fluoranthene	µg/kg	210 U	220 U	220 U	470	190 U
Chrysene	µg/kg	210 U	220 U	220 U	1000	190 U
Dibenzo(a,h)anthracene	µg/kg	210 U	220 U	220 U	400 U	190 U
Fluoranthene	µg/kg	210 U	220 U	220 U	2400	190 U
Indeno(1,2,3-cd)pyrene	µg/kg	210 U	220 U	220 U	470	190 U
Pyrene	µg/kg	210 U	220 U	220 U	3100	190 U
1-Methylnaphthalene	µg/kg	210 U	220 U	220 U	400 U	190 U
Acenaphthene	µg/kg	210 U	220 U	220 U	400 U	190 U
Acenaphthylene	µg/kg	210 U	220 U	220 U	400 U	190 U
Anthracene	µg/kg	210 U	220 U	220 U	580	190 U
Fluorene	µg/kg	210 U	220 U	220 U	400 U	190 U
Naphthalene	µg/kg	210 U	220 U	220 U	400 U	190 U
Phenanthrene	µg/kg	210 U	220 U	220 U	2400	190 U
2-Methylnaphthalene	µg/kg	210 U	220 U	220 U	400 U	190 U
bis(2-ethylhexyl)phthalate	µg/kg	210 U	220 U	220 U	400 U	190 U
Di-n-butyl phthalate	µg/kg	210 U	220 U	220 U	400 U	190 U
Butyl benzyl phthalate	µg/kg	210 U	220 U	220 U	400 U	190 U
Diethylphthalate	µg/kg	210 U	220 U	220 U	400 U	190 U
Dimethyl phthalate	µg/kg	210 U	220 U	220 U	400 U	190 U
Di-n-octyl phthalate	µg/kg	210 U	220 U	220 U	400 U	190 U
Pentachlorophenol	µg/kg	1000 U	1100 U	2 U	2.3	2 U
Tetrachlorophenols (total)	µg/kg	20	6 U	6 U	6 U	6 U
2,4-Dichlorophenol	µg/kg	2100	220 U	680	52	190 U
2,4,5-Trichlorophenol	µg/kg	1000 U	1100 U	1100 U	10 U	10 U
2,4,6-Trichlorophenol	µg/kg	17	6 U	6 U	6 U	190 U
2-Chlorophenol	µg/kg	210 U	220 U	220 U	400 U	190 U
2,4-Dimethylphenol	µg/kg	210 U	220 U	220 U	400 U	190 U
2,4-Dinitrophenol	µg/kg	1000 U	1100 U	1100 U	2000 U	940 U
2,4-Dinitrotoluene	µg/kg	210 U	220 U	220 U	400 U	190 U
2,6-Dinitrotoluene	µg/kg	210 U	220 U	220 U	400 U	190 U
2-Chloronaphthalene	µg/kg	210 U	220 U	220 U	400 U	190 U
2-Methylphenol	µg/kg	210 U	220 U	220 U	400 U	190 U
2-Nitroaniline	µg/kg	1000 U	1100 U	1100 U	2000 U	940 U
2-Nitrophenol	µg/kg	210 U	220 U	220 U	400 U	190 U
3,3'-Dichlorobenzidine	µg/kg	420 U	430 U	440 U	790 U	370 U
3-Nitroaniline	µg/kg	1000 U	1100 U	1100 U	2000 U	940 U
4,6-Dinitro-o-cresol	µg/kg	1000 U	1100 U	1100 U	2000 U	940 U
4-Bromophenyl phenyl ether	µg/kg	210 U	220 U	220 U	400 U	190 U
4-Chloro-3-methylphenol	µg/kg	210 U	220 U	220 U	400 U	190 U
4-Chloroaniline	µg/kg	210 U	220 U	220 U	400 U	190 U
4-Chlorophenyl phenyl ether	µg/kg	210 U	220 U	220 U	400 U	190 U
4-Methylphenol	µg/kg	210 U	220 U	220 U	400 U	190 U
4-Nitroaniline	µg/kg	1000 U	1100 U	1100 U	2000 U	940 U
4-Nitrophenol	µg/kg	1000 U	1100 U	1100 U	2000 U	940 U
Aniline	µg/kg	210 U	220 U	220 U	400 U	190 U
Benzidine	µg/kg	2100 U	2200 U	2200 U	4000 U	1900 U

	Event	Hart Crowser's RI Event 1				
	Location	B-21	B-21	B-21	B-22	B-22
	SampleID	**B-21/S15**	**B-21/S19**	**B-21/S19A**	**B-22/S2**	**B-22/S5**
	Depth (bgs)	42 - 43.5 ft	48 - 49.5 ft	47 - 48.5 ft	1.5 - 3 ft	6 - 7.5 ft
	Sample Date	04/08/1992	04/08/1992	04/08/1992	03/27/1992	03/27/1992
Semivolatile Organic Compounds						
Benzoic acid	µg/kg	1000 U	1100 U	1100 U	2000 U	940 U
Benzyl alcohol	µg/kg	210 U	220 U	220 U	400 U	190 U
bis(2-chloroethoxy)methane	µg/kg	210 U	220 U	220 U	400 U	190 U
bis(2-chloroethyl)ether	µg/kg	210 U	220 U	220 U	400 U	190 U
bis(2-chloroisopropyl)ether	µg/kg	210 U	220 U	220 U	400 U	190 U
Dibenzofuran	µg/kg	210 U	220 U	220 U	400 U	190 U
Hexachlorobenzene	µg/kg	210 U	220 U	220 U	400 U	190 U
Hexachlorobutadiene	µg/kg	210 U	220 U	220 U	400 U	190 U
Hexachlorocyclopentadiene	µg/kg	210 U	220 U	220 U	400 U	190 U
Hexachloroethane	µg/kg	210 U	220 U	220 U	400 U	190 U
Isophorone	µg/kg	210 U	220 U	220 U	400 U	190 U
Nitrobenzene	µg/kg	210 U	220 U	220 U	400 U	190 U
N-Nitrosodimethylamine	µg/kg	210 U	220 U	220 U	400 U	190 U
N-Nitroso-di-n-propylamine	µg/kg	210 U	220 U	220 U	400 U	190 U
N-Nitrosodiphenylamine	µg/kg	210 U	220 U	220 U	400 U	190 U
Phenol	µg/kg	210 U	220 U	220 U	400 U	190 U
Metals						
Aluminum	mg/kg	6600	4400	5600	8500	9100
Arsenic	mg/kg	2.1	1.3	1.5	3.1	2
Barium	mg/kg	25	16	19	41	53
Cadmium	mg/kg	0.07	0.05 J	0.22 J	0.07	0.05
Chromium	mg/kg	7.6	5.5	7.7	13	18
Copper	mg/kg	16	9.9	13	34	13
Lead	mg/kg	1.8	1.1	1.5	16	30
Mercury	mg/kg	0.11 U	0.12 U	0.09 U	0.08 U	0.08 U
Nickel	mg/kg	6.8	5.8	7.5	15	30
Zinc	mg/kg	18	13	17	170	23
Conventionals						
Total Organic Carbon	%	0.0877				0.25

	Event	Hart Crowser's RI Event 1				
	Location	B-22	B-22	B-23	B-23	B-23
	SampleID	**B-22/S8**	**B-22/S9**	**B-23/S11**	**B-23/S25**	**B-23/S26**
	Depth (bgs)	10.5 - 12 ft	10.5 - 12 ft	26.5 - 28 ft	47.5 - 49 ft	47.5 - 49 ft
	Sample Date	03/27/1992	03/27/1992	04/03/1992	04/03/1992	04/03/1992
Volatile Organic Compounds						
Tetrachloroethene	µg/kg	1900		60 U	70	70
Trichloroethene	µg/kg	390		60 U	60 U	60 U
1,2-Dichloroethene (total)	µg/kg	60 U		60 U	60 U	60 U
1,1-Dichloroethene	µg/kg	60 U		60 U	60 U	60 U
Vinyl chloride	µg/kg	60 U		60 U	60 U	60 U
1,1,1-Trichloroethane	µg/kg	60 U		60 U	60 U	60 U
1,1,2,2-Tetrachloroethane	µg/kg	60 U		60 U	60 U	60 U
1,1,2-Trichloroethane	µg/kg	60 U		60 U	60 U	60 U
1,1-Dichloroethane	µg/kg	60 U		60 U	60 U	60 U
Chloroethane	µg/kg	60 U		60 U	60 U	60 U
Acetone	µg/kg	1300 U		1200 U	1200 U	1200 U
Dichloromethane	µg/kg	420 U		310 U	300 U	300 U
1,2,4-Trichlorobenzene	µg/kg	220 U		210 U	220 U	210 U
1,2-Dichlorobenzene	µg/kg	220 U		210 U	220 U	210 U
1,2-Dichloroethane	µg/kg	60 U		60 U	60 U	60 U
1,2-Dichloropropane	µg/kg	60 U		60 U	60 U	60 U
1,3-Dichlorobenzene	µg/kg	220 U		210 U	220 U	210 U
1,4-Dichlorobenzene	µg/kg	220 U		210 U	220 U	210 U
2-Hexanone	µg/kg	660 U		620 U	600 U	600 U
Bromodichloromethane	µg/kg	60 U		60 U	60 U	60 U
Bromoform	µg/kg	330 U		310 U	300 U	300 U
Bromomethane	µg/kg	660 U		620 U	600 U	600 U
Carbon disulfide	µg/kg	60 U		60 U	60 U	60 U
Carbon tetrachloride	µg/kg	60 U		60 U	60 U	60 U
Chlorobenzene	µg/kg	60 U		60 U	60 U	60 U
Chloroform	µg/kg	60 U		60 U	60 U	60 U
Chloromethane	µg/kg	660 U		620 U	600 U	600 U
cis-1,3-Dichloropropene	µg/kg	60 U		60 U	60 U	60 U
Dibromochloromethane	µg/kg	60 U		60 U	60 U	60 U
Methyl ethyl ketone	µg/kg	660 U		620 U	600 U	600 U
Methyl iso butyl ketone	µg/kg	660 U		620 U	600 U	600 U
trans-1,3-Dichloropropene	µg/kg	60 U		60 U	60 U	60 U
Vinyl acetate	µg/kg	660 U		620 U	600 U	600 U
Total Petroleum Hydrocarbons						
Diesel #2	mg/kg	32 U		31 U	30 U	30 U
Gasoline	mg/kg	6 U		6 U	6 U	6 U
Thinner	mg/kg	32 U		31 U	30 U	30 U
BTEX						
Benzene	µg/kg	60 U		60 U	60 U	60 U
Toluene	µg/kg	60 U		60 U	60 U	60 U
Ethylbenzene	µg/kg	60 U		60 U	60 U	60 U
Xylene (total)	µg/kg	60 U		60 U	60 U	60 U
Alkylated Benzenes						
Styrene	µg/kg	60 U		60 U	60 U	60 U
Semivolatile Organic Compounds						
Benzo(a)anthracene	µg/kg	220 U		210 U	220 U	210 U
Benzo(a)pyrene	µg/kg	220 U		210 U	220 U	210 U
Benzo(g,h,i)perylene	µg/kg	220 U		210 U	220 U	210 U

	Event	Hart Crowser's RI Event 1				
	Location	B-22	B-22	B-23	B-23	B-23
	SampleID	**B-22/S8**	**B-22/S9**	**B-23/S11**	**B-23/S25**	**B-23/S26**
	Depth (bgs)	10.5 - 12 ft	10.5 - 12 ft	26.5 - 28 ft	47.5 - 49 ft	47.5 - 49 ft
	Sample Date	03/27/1992	03/27/1992	04/03/1992	04/03/1992	04/03/1992
Semivolatile Organic Compounds						
Benzo(b)fluoranthene	µg/kg	220 U		210 U	220 U	210 U
Benzo(k)fluoranthene	µg/kg	220 U		210 U	220 U	210 U
Chrysene	µg/kg	220 U		210 U	220 U	210 U
Dibenzo(a,h)anthracene	µg/kg	220 U		210 U	220 U	210 U
Fluoranthene	µg/kg	220 U		210 U	220 U	210 U
Indeno(1,2,3-cd)pyrene	µg/kg	220 U		210 U	220 U	210 U
Pyrene	µg/kg	220 U		210 U	220 U	210 U
1-Methylnaphthalene	µg/kg	220 U		210 U	220 U	210 U
Acenaphthene	µg/kg	220 U		210 U	220 U	210 U
Acenaphthylene	µg/kg	220 U		210 U	220 U	210 U
Anthracene	µg/kg	220 U		210 U	220 U	210 U
Fluorene	µg/kg	220 U		210 U	220 U	210 U
Naphthalene	µg/kg	220 U		210 U	220 U	210 U
Phenanthrene	µg/kg	220 U		210 U	220 U	210 U
2-Methylnaphthalene	µg/kg	220 U		210 U	220 U	210 U
bis(2-ethylhexyl)phthalate	µg/kg	220 U		210 U	220 U	210 U
Di-n-butyl phthalate	µg/kg	220 U		210 U	220 U	210 U
Butyl benzyl phthalate	µg/kg	220 U		210 U	220 U	210 U
Diethylphthalate	µg/kg	220 U		210 U	220 U	210 U
Dimethyl phthalate	µg/kg	220 U		210 U	220 U	210 U
Di-n-octyl phthalate	µg/kg	220 U		210 U	220 U	210 U
Pentachlorophenol	µg/kg	1100 U		1000 U	1100 U	1000 U
Tetrachlorophenols (total)	µg/kg	6 U		7.3 U	7.6 U	7.4 U
2,4-Dichlorophenol	µg/kg	220 U		37 U	220 U	210 U
2,4,5-Trichlorophenol	µg/kg	1100 U		12 U	13 U	12 U
2,4,6-Trichlorophenol	µg/kg	220 U		7.3 U	7.6 U	210 U
2-Chlorophenol	µg/kg	220 U		210 U	220 U	210 U
2,4-Dimethylphenol	µg/kg	220 U		210 U	220 U	210 U
2,4-Dinitrophenol	µg/kg	1100 U		1000 U	1100 U	1000 U
2,4-Dinitrotoluene	µg/kg	220 U		210 U	220 U	210 U
2,6-Dinitrotoluene	µg/kg	220 U		210 U	220 U	210 U
2-Chloronaphthalene	µg/kg	220 U		210 U	220 U	210 U
2-Methylphenol	µg/kg	220 U		210 U	220 U	210 U
2-Nitroaniline	µg/kg	1100 U		1000 U	1100 U	1000 U
2-Nitrophenol	µg/kg	220 U		210 U	220 U	210 U
3,3'-Dichlorobenzidine	µg/kg	430 U		420 U	430 U	420 U
3-Nitroaniline	µg/kg	1100 U		1000 U	1100 U	1000 U
4,6-Dinitro-o-cresol	µg/kg	1100 U		1000 U	1100 U	1000 U
4-Bromophenyl phenyl ether	µg/kg	220 U		210 U	220 U	210 U
4-Chloro-3-methylphenol	µg/kg	220 U		210 U	220 U	210 U
4-Chloroaniline	µg/kg	220 U		210 U	220 U	210 U
4-Chlorophenyl phenyl ether	µg/kg	220 U		210 U	220 U	210 U
4-Methylphenol	µg/kg	220 U		210 U	220 U	210 U
4-Nitroaniline	µg/kg	1100 U		1000 U	1100 U	1000 U
4-Nitrophenol	µg/kg	1100 U		1000 U	1100 U	1000 U
Aniline	µg/kg	220 U		210 U	220 U	210 U
Benzidine	µg/kg	2200 U		2100 U	2200 U	2100 U
Benzoic acid	µg/kg	1100 U		1000 U	1100 U	1000 U

	Event	Hart Crowser's RI Event 1				
	Location	B-22	B-22	B-23	B-23	B-23
	SampleID	**B-22/S8**	**B-22/S9**	**B-23/S11**	**B-23/S25**	**B-23/S26**
	Depth (bgs)	10.5 - 12 ft	10.5 - 12 ft	26.5 - 28 ft	47.5 - 49 ft	47.5 - 49 ft
	Sample Date	03/27/1992	03/27/1992	04/03/1992	04/03/1992	04/03/1992
Semivolatile Organic Compounds						
Benzyl alcohol	µg/kg	220 U		210 U	220 U	210 U
bis(2-chloroethoxy)methane	µg/kg	220 U		210 U	220 U	210 U
bis(2-chloroethyl)ether	µg/kg	220 U		210 U	220 U	210 U
bis(2-chloroisopropyl)ether	µg/kg	220 U		210 U	220 U	210 U
Dibenzofuran	µg/kg	220 U		210 U	220 U	210 U
Hexachlorobenzene	µg/kg	220 U		210 U	220 U	210 U
Hexachlorobutadiene	µg/kg	220 U		210 U	220 U	210 U
Hexachlorocyclopentadiene	µg/kg	220 U		210 U	220 U	210 U
Hexachloroethane	µg/kg	220 U		210 U	220 U	210 U
Isophorone	µg/kg	220 U		210 U	220 U	210 U
Nitrobenzene	µg/kg	220 U		210 U	220 U	210 U
N-Nitrosodimethylamine	µg/kg	220 U		210 U	220 U	210 U
N-Nitroso-di-n-propylamine	µg/kg	220 U		210 U	220 U	210 U
N-Nitrosodiphenylamine	µg/kg	220 U		210 U	220 U	210 U
Phenol	µg/kg	220 U		210 U	220 U	210 U
Metals						
Aluminum	mg/kg	5400	6900	2100	2500	2800
Arsenic	mg/kg	2.6	3.2	0.46	0.89	1.1
Barium	mg/kg	14	18	7.4	9	10
Cadmium	mg/kg	0.12	0.06	0.02	0.38 J	0.06 J
Chromium	mg/kg	7.5	9.6	3.6	3.3	4.6
Copper	mg/kg	13	16	5.1	4.9	7
Lead	mg/kg	1.6	1.7	0.26	0.26	0.38
Mercury	mg/kg	0.08 U		0.09 U	0.14	0.08 U
Nickel	mg/kg	7.1	8.7	3.8	3.9	5
Zinc	mg/kg	20	21	8.2	9.8	12
Conventionals						
Total Organic Carbon	%			0.29		

	Event	Hart Crowser's RI Event 1				
	Location	B-24	B-24	B-24	B-25	B-26
	SampleID	**B-24/S3**	**B-24/S6**	**B-24/S8**	**B-25/S9**	**B-26/S3**
	Depth (bgs)	3 - 4.5 ft	7.5 - 9 ft	10.5 - 12 ft	28 - 29.5 ft	3 - 4.5 ft
	Sample Date	03/30/1992	03/30/1992	03/30/1992	03/31/1992	03/29/1992
Volatile Organic Compounds						
Tetrachloroethene	µg/kg	50 U	50 U	60 U	190	60 U
Trichloroethene	µg/kg	50 U	50 U	60 U	60 U	60 U
1,2-Dichloroethene (total)	µg/kg	50 U	50 U	60 U	60 U	60 U
1,1-Dichloroethene	µg/kg	50 U	50 U	60 U	60 U	60 U
Vinyl chloride	µg/kg	50 U	50 U	60 U	60 U	60 U
1,1,1-Trichloroethane	µg/kg	50 U	50 U	60 U	60 U	60 U
1,1,2,2-Tetrachloroethane	µg/kg	50 U	50 U	60 U	60 U	60 U
1,1,2-Trichloroethane	µg/kg	50 U	50 U	60 U	60 U	60 U
1,1-Dichloroethane	µg/kg	50 U	50 U	60 U	60 U	60 U
Chloroethane	µg/kg	50 U	50 U	60 U	60 U	60 U
Acetone	µg/kg	1200 U	1300 U	1500 U	790 U	1300 U
Dichloromethane	µg/kg	610 U	710 U	960 U	280 U	490 U
1,2,4-Trichlorobenzene	µg/kg	180 U	3800 U	220 U	210 U	190 U
1,2-Dichlorobenzene	µg/kg	180 U	3800 U	220 U	210 U	190 U
1,2-Dichloroethane	µg/kg	50 U	50 U	60 U	60 U	60 U
1,2-Dichloropropane	µg/kg	50 U	50 U	60 U	60 U	60 U
1,3-Dichlorobenzene	µg/kg	180 U	3800 U	220 U	210 U	190 U
1,4-Dichlorobenzene	µg/kg	180 U	3800 U	220 U	210 U	190 U
2-Hexanone	µg/kg	540 U	570 U	650 U	600 U	610 U
Bromodichloromethane	µg/kg	50 U	50 U	60 U	60 U	60 U
Bromoform	µg/kg	270 U	290 U	320 U	300 U	300 U
Bromomethane	µg/kg	540 U	570 U	650 U	600 U	610 U
Carbon disulfide	µg/kg	50 U	50 U	60 U	60 U	60 U
Carbon tetrachloride	µg/kg	50 U	50 U	60 U	60 U	60 U
Chlorobenzene	µg/kg	50 U	50 U	60 U	60 U	60 U
Chloroform	µg/kg	50 U	50 U	60 U	60 U	60 U
Chloromethane	µg/kg	540 U	570 U	650 U	600 U	610 U
cis-1,3-Dichloropropene	µg/kg	50 U	50 U	60 U	60 U	60 U
Dibromochloromethane	µg/kg	50 U	50 U	60 U	60 U	60 U
Methyl ethyl ketone	µg/kg	540 U	570 U	650 U	600 U	610 U
Methyl iso butyl ketone	µg/kg	540 U	570 U	650 U	600 U	610 U
trans-1,3-Dichloropropene	µg/kg	50 U	50 U	60 U	60 U	60 U
Vinyl acetate	µg/kg	540 U	570 U	650 U	600 U	610 U
Total Petroleum Hydrocarbons						
Diesel #2	mg/kg	27 U	2758 JN	167 JN	30 U	30 U
Gasoline	mg/kg	5 U	29 U	6 U	6 U	6 U
Motor Oil	mg/kg		12644	570		
Thinner	mg/kg	27 U	144 U	32 U	30 U	30 U
BTEX						
Benzene	µg/kg	50 U	50 U	60 U	60 U	60 U
Toluene	µg/kg	50 U	50 U	60 U	60 U	60 U
Ethylbenzene	µg/kg	50 U	50 U	60 U	60 U	60 U
Xylene (total)	µg/kg	50 U	50 U	60 U	60 U	60 U
Alkylated Benzenes						
Styrene	µg/kg	50 U	50 U	60 U	60 U	60 U
Semivolatile Organic Compounds						
Benzo(a)anthracene	µg/kg	180 U	3800 U	220 U	210 U	190 U
Benzo(a)pyrene	µg/kg	180 U	3800 U	220 U	210 U	190 U

	Event	Hart Crowser's RI Event 1				
	Location	B-24	B-24	B-24	B-25	B-26
	SampleID	**B-24/S3**	**B-24/S6**	**B-24/S8**	**B-25/S9**	**B-26/S3**
	Depth (bgs)	3 - 4.5 ft	7.5 - 9 ft	10.5 - 12 ft	28 - 29.5 ft	3 - 4.5 ft
	Sample Date	03/30/1992	03/30/1992	03/30/1992	03/31/1992	03/29/1992
Semivolatile Organic Compounds						
Benzo(g,h,i)perylene	µg/kg	180 U	3800 U	220 U	210 U	190 U
Benzo(b)fluoranthene	µg/kg	180 U	3800 U	220 U	210 U	190 U
Benzo(k)fluoranthene	µg/kg	180 U	3800 U	220 U	210 U	190 U
Chrysene	µg/kg	180 U	3800 U	220 U	210 U	190 U
Dibenzo(a,h)anthracene	µg/kg	180 U	3800 U	220 U	210 U	190 U
Fluoranthene	µg/kg	180 U	3800 U	220 U	210 U	190 U
Indeno(1,2,3-cd)pyrene	µg/kg	180 U	3800 U	220 U	210 U	190 U
Pyrene	µg/kg	180 U	3800 U	220 U	210 U	190 U
1-Methylnaphthalene	µg/kg	180 U	3800 U	220 U	210 U	190 U
Acenaphthene	µg/kg	180 U	3800 U	220 U	210 U	190 U
Acenaphthylene	µg/kg	180 U	3800 U	220 U	210 U	190 U
Anthracene	µg/kg	180 U	3800 U	220 U	210 U	190 U
Fluorene	µg/kg	180 U	3800 U	220 U	210 U	190 U
Naphthalene	µg/kg	180 U	3800 U	220 U	210 U	190 U
Phenanthrene	µg/kg	180 U	3800 U	220 U	210 U	190 U
2-Methylnaphthalene	µg/kg	180 U	3800 U	220 U	210 U	190 U
bis(2-ethylhexyl)phthalate	µg/kg	180 U	110000	220 U	210 U	190 U
Di-n-butyl phthalate	µg/kg	180 U	3800 U	220 U	210 U	190 U
Butyl benzyl phthalate	µg/kg	180 U	3800 U	220 U	210 U	190 U
Diethylphthalate	µg/kg	180 U	3800 U	220 U	210 U	190 U
Dimethyl phthalate	µg/kg	180 U	3800 U	220 U	210 U	190 U
Di-n-octyl phthalate	µg/kg	180 U	3800 U	220 U	210 U	190 U
Pentachlorophenol	µg/kg	2 U	19000 U	1100 U	2.5 U	970 U
Tetrachlorophenols (total)	µg/kg	6 U	6 U	6 U	7.5 U	6 U
2,4-Dichlorophenol	µg/kg	180 U	57	220 U	210 U	30 U
2,4,5-Trichlorophenol	µg/kg	920 U	10 U	10 U	12 U	970 U
2,4,6-Trichlorophenol	µg/kg	180 U	6 U	6 U	7.5 U	190 U
2-Chlorophenol	µg/kg	180 U	3800 U	220 U	210 U	190 U
2,4-Dimethylphenol	µg/kg	180 U	3800 U	220 U	210 U	190 U
2,4-Dinitrophenol	µg/kg	920 U	19000 U	1100 U	1100 U	970 U
2,4-Dinitrotoluene	µg/kg	180 U	3800 U	220 U	210 U	190 U
2,6-Dinitrotoluene	µg/kg	180 U	3800 U	220 U	210 U	190 U
2-Chloronaphthalene	µg/kg	180 U	3800 U	220 U	210 U	190 U
2-Methylphenol	µg/kg	180 U	3800 U	220 U	210 U	190 U
2-Nitroaniline	µg/kg	920 U	19000 U	1100 U	1100 U	970 U
2-Nitrophenol	µg/kg	180 U	3800 U	220 U	210 U	190 U
3,3'-Dichlorobenzidine	µg/kg	370 U	7600 U	440 U	420 U	390 U
3-Nitroaniline	µg/kg	920 U	19000 U	1100 U	1100 U	970 U
4,6-Dinitro-o-cresol	µg/kg	920 U	19000 U	1100 U	1100 U	970 U
4-Bromophenyl phenyl ether	µg/kg	180 U	3800 U	220 U	210 U	190 U
4-Chloro-3-methylphenol	µg/kg	180 U	3800 U	220 U	210 U	190 U
4-Chloroaniline	µg/kg	180 U	3800 U	220 U	210 U	190 U
4-Chlorophenyl phenyl ether	µg/kg	180 U	3800 U	220 U	210 U	190 U
4-Methylphenol	µg/kg	180 U	3800 U	220 U	210 U	190 U
4-Nitroaniline	µg/kg	920 U	19000 U	1100 U	1100 U	970 U
4-Nitrophenol	µg/kg	920 U	19000 U	1100 U	1100 U	970 U
Aniline	µg/kg	180 U	3800 U	220 U	210 U	190 U
Benzidine	µg/kg	1800 U	38000 U	2200 U	2100 U	1900 U

	Event	**Hart Crowser's RI Event 1**				
	Location	B-24	B-24	B-24	B-25	B-26
	SampleID	**B-24/S3**	**B-24/S6**	**B-24/S8**	**B-25/S9**	**B-26/S3**
	Depth (bgs)	3 - 4.5 ft	7.5 - 9 ft	10.5 - 12 ft	28 - 29.5 ft	3 - 4.5 ft
	Sample Date	03/30/1992	03/30/1992	03/30/1992	03/31/1992	03/29/1992
Semivolatile Organic Compounds						
Benzoic acid	µg/kg	920 U	19000 U	1100 U	1100 U	970 U
Benzyl alcohol	µg/kg	180 U	3800 U	220 U	210 U	190 U
bis(2-chloroethoxy)methane	µg/kg	180 U	3800 U	220 U	210 U	190 U
bis(2-chloroethyl)ether	µg/kg	180 U	3800 U	220 U	210 U	190 U
bis(2-chloroisopropyl)ether	µg/kg	180 U	3800 U	220 U	210 U	190 U
Dibenzofuran	µg/kg	180 U	3800 U	220 U	210 U	190 U
Hexachlorobenzene	µg/kg	180 U	3800 U	220 U	210 U	190 U
Hexachlorobutadiene	µg/kg	180 U	3800 U	220 U	210 U	190 U
Hexachlorocyclopentadiene	µg/kg	180 U	3800 U	220 U	210 U	190 U
Hexachloroethane	µg/kg	180 U	3800 U	220 U	210 U	190 U
Isophorone	µg/kg	180 U	3800 U	220 U	210 U	190 U
Nitrobenzene	µg/kg	180 U	3800 U	220 U	210 U	190 U
N-Nitrosodimethylamine	µg/kg	180 U	3800 U	220 U	210 U	190 U
N-Nitroso-di-n-propylamine	µg/kg	180 U	3800 U	220 U	210 U	190 U
N-Nitrosodiphenylamine	µg/kg	180 U	3800 U	220 U	210 U	190 U
Phenol	µg/kg	180 U	3800 U	220 U	210 U	190 U
Metals						
Aluminum	mg/kg	4500	4100	3300	2900	8600
Arsenic	mg/kg	3	1.1	2.5	0.92	3.3
Barium	mg/kg	26	26	29	15	28
Cadmium	mg/kg	0.09	0.03	0.07	0.04	0.03
Chromium	mg/kg	6.1	5	3.6	5.4	11
Copper	mg/kg	12	7.9	6.9	6.1	12
Lead	mg/kg	11	1	1.5	0.73	3.2
Mercury	mg/kg	0.07 U	0.08 U	0.08 U	0.09 U	0.08 U
Nickel	mg/kg	6	6.3	4.8	4.4	4.5
Zinc	mg/kg	25	13	20	11	15

	Event	Hart Crowser's RI Event 1				
	Location	B-26	B-26	B-26	B-27	B-28
	SampleID	**B-26/S5**	**B-26/S6**	**B-26/S11**	**B-27/S23**	**B-28/SURFACE TOTAL**
	Depth (bgs)	6 - 7.5 ft	6 - 7.5 ft	12 - 13.5 ft	44.5 - 46 ft	0 ft
	Sample Date	03/29/1992	03/29/1992	03/29/1992	04/06/1992	04/07/1992
Volatile Organic Compounds						
Tetrachloroethene	µg/kg	50 U	50 U	110	70	
Trichloroethene	µg/kg	50 U	50 U	70	60 U	
1,2-Dichloroethene (total)	µg/kg	50 U	50 U	60 U	60 U	
1,1-Dichloroethene	µg/kg	50 U	50 U	60 U	60 U	
Vinyl chloride	µg/kg	50 U	50 U	60 U	60 U	
1,1,1-Trichloroethane	µg/kg	50 U	50 U	60 U	60 U	
1,1,2,2-Tetrachloroethane	µg/kg	50 U	50 U	60 U	60 U	
1,1,2-Trichloroethane	µg/kg	50 U	50 U	60 U	60 U	
1,1-Dichloroethane	µg/kg	50 U	50 U	60 U	60 U	
Chloroethane	µg/kg	50 U	50 U	60 U	60 U	
Acetone	µg/kg	1100 U	1100 U	1300 U	1300 U	
Dichloromethane	µg/kg	370 U	370 U	470 U	330 U	
1,2,4-Trichlorobenzene	µg/kg	180 U	180 U	210 U	220 U	490 U
1,2-Dichlorobenzene	µg/kg	180 U	180 U	210 U	220 U	490 U
1,2-Dichloroethane	µg/kg	50 U	50 U	60 U	60 U	
1,2-Dichloropropane	µg/kg	50 U	50 U	60 U	60 U	
1,3-Dichlorobenzene	µg/kg	180 U	180 U	210 U	220 U	490 U
1,4-Dichlorobenzene	µg/kg	180 U	180 U	210 U	220 U	490 U
2-Hexanone	µg/kg	530 U	540 U	640 U	660 U	
Bromodichloromethane	µg/kg	50 U	50 U	60 U	60 U	
Bromoform	µg/kg	270 U	270 U	320 U	330 U	
Bromomethane	µg/kg	530 U	540 U	640 U	660 U	
Carbon disulfide	µg/kg	50 U	50 U	60 U	60 U	
Carbon tetrachloride	µg/kg	50 U	50 U	60 U	60 U	
Chlorobenzene	µg/kg	50 U	50 U	60 U	60 U	
Chloroform	µg/kg	50 U	50 U	60 U	60 U	
Chloromethane	µg/kg	530 U	540 U	640 U	660 U	
cis-1,3-Dichloropropene	µg/kg	50 U	50 U	60 U	60 U	
Dibromochloromethane	µg/kg	50 U	50 U	60 U	60 U	
Methyl ethyl ketone	µg/kg	530 U	540 U	640 U	660 U	
Methyl iso butyl ketone	µg/kg	530 U	540 U	640 U	660 U	
trans-1,3-Dichloropropene	µg/kg	50 U	50 U	60 U	60 U	
Vinyl acetate	µg/kg	530 U	540 U	640 U	660 U	
Total Petroleum Hydrocarbons						
Diesel #2	mg/kg	27 U	27 U	31 U	33 U	264 J
Gasoline	mg/kg	5 U	5 U	6 U	7 U	6 J
Motor Oil	mg/kg					1126 J
Thinner	mg/kg	27 U	27 U	31 U	33 U	
BTEX						
Benzene	µg/kg	50 U	50 U	60 U	60 U	
Toluene	µg/kg	50 U	50 U	60 U	60 U	
Ethylbenzene	µg/kg	50 U	50 U	60 U	60 U	
Xylene (total)	µg/kg	50 U	50 U	60 U	60 U	
Alkylated Benzenes						
Styrene	µg/kg	50 U	50 U	60 U	60 U	
Semivolatile Organic Compounds						
Benzo(a)anthracene	µg/kg	180 U	180 U	210 U	220 U	490 U

	Event	Hart Crowser's RI Event 1				
	Location	B-26	B-26	B-26	B-27	B-28
	SampleID	**B-26/S5**	**B-26/S6**	**B-26/S11**	**B-27/S23**	**B-28/SURFACE TOTAL**
	Depth (bgs)	6 - 7.5 ft	6 - 7.5 ft	12 - 13.5 ft	44.5 - 46 ft	0 ft
	Sample Date	03/29/1992	03/29/1992	03/29/1992	04/06/1992	04/07/1992
Semivolatile Organic Compounds						
Benzo(a)pyrene	µg/kg	180 U	180 U	210 U	220 U	510
Benzo(g,h,i)perylene	µg/kg	180 U	180 U	210 U	220 U	490 U
Benzo(b)fluoranthene	µg/kg	180 U	180 U	210 U	220 U	730
Benzo(k)fluoranthene	µg/kg	180 U	180 U	210 U	220 U	490 U
Chrysene	µg/kg	180 U	180 U	210 U	220 U	610
Dibenzo(a,h)anthracene	µg/kg	180 U	180 U	210 U	220 U	490 U
Fluoranthene	µg/kg	180 U	180 U	210 U	220 U	960
Indeno(1,2,3-cd)pyrene	µg/kg	180 U	180 U	210 U	220 U	490 U
Pyrene	µg/kg	180 U	180 U	210 U	220 U	830
1-Methylnaphthalene	µg/kg	180 U	180 U	210 U	220 U	490 U
Acenaphthene	µg/kg	180 U	180 U	210 U	220 U	490 U
Acenaphthylene	µg/kg	180 U	180 U	210 U	220 U	490 U
Anthracene	µg/kg	180 U	180 U	210 U	220 U	490 U
Fluorene	µg/kg	180 U	180 U	210 U	220 U	490 U
Naphthalene	µg/kg	180 U	180 U	210 U	220 U	490 U
Phenanthrene	µg/kg	180 U	180 U	210 U	220 U	840
2-Methylnaphthalene	µg/kg	180 U	180 U	210 U	220 U	490 U
bis(2-ethylhexyl)phthalate	µg/kg	180 U	180 U	210 U	220 U	490 U
Di-n-butyl phthalate	µg/kg	180 U	180 U	210 U	220 U	490 U
Butyl benzyl phthalate	µg/kg	180 U	180 U	210 U	220 U	490 U
Diethylphthalate	µg/kg	180 U	180 U	210 U	220 U	490 U
Dimethyl phthalate	µg/kg	180 U	180 U	210 U	220 U	490 U
Di-n-octyl phthalate	µg/kg	180 U	180 U	210 U	220 U	490 U
Pentachlorophenol	µg/kg	900 U	2 U	1100 U	1100 U	2.9
Tetrachlorophenols (total)	µg/kg	6 U	6 U	6 U	7.9 U	8.7 U
2,4-Dichlorophenol	µg/kg	49	30 U	30 U	500	35
2,4,5-Trichlorophenol	µg/kg	10 U	10 U	10 U	1100 U	15 U
2,4,6-Trichlorophenol	µg/kg	6 U	180 U	6 U	7.9 U	8.7 U
2-Chlorophenol	µg/kg	180 U	180 U	210 U	220 U	490 U
2,4-Dimethylphenol	µg/kg	180 U	180 U	210 U	220 U	490 U
2,4-Dinitrophenol	µg/kg	900 U	900 U	1100 U	1100 U	2500 U
2,4-Dinitrotoluene	µg/kg	180 U	180 U	210 U	220 U	490 U
2,6-Dinitrotoluene	µg/kg	180 U	180 U	210 U	220 U	490 U
2-Chloronaphthalene	µg/kg	180 U	180 U	210 U	220 U	490 U
2-Methylphenol	µg/kg	180 U	180 U	210 U	220 U	490 U
2-Nitroaniline	µg/kg	900 U	900 U	1100 U	1100 U	2500 U
2-Nitrophenol	µg/kg	180 U	180 U	210 U	220 U	490 U
3,3'-Dichlorobenzidine	µg/kg	360 U	360 U	420 U	450 U	990 U
3-Nitroaniline	µg/kg	900 U	900 U	1100 U	1100 U	2500 U
4,6-Dinitro-o-cresol	µg/kg	900 U	900 U	1100 U	1100 U	2500 U
4-Bromophenyl phenyl ether	µg/kg	180 U	180 U	210 U	220 U	490 U
4-Chloro-3-methylphenol	µg/kg	180 U	180 U	210 U	220 U	490 U
4-Chloroaniline	µg/kg	180 U	180 U	210 U	220 U	490 U
4-Chlorophenyl phenyl ether	µg/kg	180 U	180 U	210 U	220 U	490 U
4-Methylphenol	µg/kg	180 U	180 U	210 U	220 U	490 U
4-Nitroaniline	µg/kg	900 U	900 U	1100 U	1100 U	2500 U
4-Nitrophenol	µg/kg	900 U	900 U	1100 U	1100 U	2500 U

	Event	Hart Crowser's RI Event 1				
	Location	B-26	B-26	B-26	B-27	B-28
	SampleID	**B-26/S5**	**B-26/S6**	**B-26/S11**	**B-27/S23**	**B-28/SURFACE TOTAL**
	Depth (bgs)	6 - 7.5 ft	6 - 7.5 ft	12 - 13.5 ft	44.5 - 46 ft	0 ft
	Sample Date	03/29/1992	03/29/1992	03/29/1992	04/06/1992	04/07/1992
Semivolatile Organic Compounds						
Aniline	µg/kg	180 U	180 U	210 U	220 U	490 U
Benzidine	µg/kg	1800 U	1800 U	2100 U	2200 U	4900 U
Benzoic acid	µg/kg	900 U	900 U	1100 U	1100 U	2500 U
Benzyl alcohol	µg/kg	180 U	180 U	210 U	220 U	490 U
bis(2-chloroethoxy)methane	µg/kg	180 U	180 U	210 U	220 U	490 U
bis(2-chloroethyl)ether	µg/kg	180 U	180 U	210 U	220 U	490 U
bis(2-chloroisopropyl)ether	µg/kg	180 U	180 U	210 U	220 U	490 U
Dibenzofuran	µg/kg	180 U	180 U	210 U	220 U	490 U
Hexachlorobenzene	µg/kg	180 U	180 U	210 U	220 U	490 U
Hexachlorobutadiene	µg/kg	180 U	180 U	210 U	220 U	490 U
Hexachlorocyclopentadiene	µg/kg	180 U	180 U	210 U	220 U	490 U
Hexachloroethane	µg/kg	180 U	180 U	210 U	220 U	490 U
Isophorone	µg/kg	180 U	180 U	210 U	220 U	490 U
Nitrobenzene	µg/kg	180 U	180 U	210 U	220 U	490 U
N-Nitrosodimethylamine	µg/kg	180 U	180 U	210 U	220 U	490 U
N-Nitroso-di-n-propylamine	µg/kg	180 U	180 U	210 U	220 U	490 U
N-Nitrosodiphenylamine	µg/kg	180 U	180 U	210 U	220 U	490 U
Phenol	µg/kg	180 U	180 U	210 U	220 U	490 U
Metals						
Aluminum	mg/kg	3900	3700	4600	3800	6700
Arsenic	mg/kg	0.49	0.63 J	1.8	1.4	43
Barium	mg/kg	8.5	9.9	10	14	110
Cadmium	mg/kg	0.06	0.06	0.11	0.03	2.3
Chromium	mg/kg	9	9.6	7.3	5.2	14
Copper	mg/kg	7.4	8.3	13	8.8	130
Lead	mg/kg	0.84	1.2	1	0.51	500
Mercury	mg/kg	0.07 U	0.07 U	0.08 U	0.1 U	0.14
Nickel	mg/kg	3.3	3	4.4	5.1	22
Zinc	mg/kg	13	13	18	12	310
Conventionals						
Total Organic Carbon	%				0.225	

	Event	**Hart Crowser's RI Event 1**				
	Location	B-28	B-27	B-28	B-28	B-29
	SampleID	**B-28/S3**	**B-27/S25**	**B-28/S6**	**B-28/S10**	**B-29/SURFACE TOTAL**
	Depth (bgs)	3 - 4.5 ft	47.5 - 49 ft	7.5 - 9 ft	13.5 - 15 ft	0 ft
	Sample Date	03/30/1992	04/06/1992	03/30/1992	03/30/1992	04/08/1992
Volatile Organic Compounds						
Tetrachloroethene	µg/kg	50 U	70 U	50 U	90	
Trichloroethene	µg/kg	50 U	70 U	50 U	60 U	
1,2-Dichloroethene (total)	µg/kg	50 U	70 U	50 U	60 U	
1,1-Dichloroethene	µg/kg	50 U	70 U	50 U	60 U	
Vinyl chloride	µg/kg	50 U	70 U	50 U	60 U	
1,1,1-Trichloroethane	µg/kg	50 U	70 U	50 U	60 U	
1,1,2,2-Tetrachloroethane	µg/kg	50 U	70 U	50 U	60 U	
1,1,2-Trichloroethane	µg/kg	50 U	70 U	50 U	60 U	
1,1-Dichloroethane	µg/kg	50 U	70 U	50 U	60 U	
Chloroethane	µg/kg	50 U	70 U	50 U	60 U	
Acetone	µg/kg	1300 U	1400 U	1200 U	1400 U	
Dichloromethane	µg/kg	660 U	350 U	820 U	930 U	
1,2,4-Trichlorobenzene	µg/kg	180 U	230 U	190 U	210 U	390 U
1,2-Dichlorobenzene	µg/kg	180 U	230 U	190 U	210 U	390 U
1,2-Dichloroethane	µg/kg	50 U	70 U	50 U	60 U	
1,2-Dichloropropane	µg/kg	50 U	70 U	50 U	60 U	
1,3-Dichlorobenzene	µg/kg	180 U	230 U	190 U	210 U	390 U
1,4-Dichlorobenzene	µg/kg	180 U	230 U	190 U	210 U	390 U
2-Hexanone	µg/kg	540 U	700 U	550 U	610 U	
Bromodichloromethane	µg/kg	50 U	70 U	50 U	60 U	
Bromoform	µg/kg	270 U	350 U	270 U	300 U	
Bromomethane	µg/kg	540 U	700 U	550 U	610 U	
Carbon disulfide	µg/kg	50 U	70 U	50 U	60 U	
Carbon tetrachloride	µg/kg	50 U	70 U	50 U	60 U	
Chlorobenzene	µg/kg	50 U	70 U	50 U	60 U	
Chloroform	µg/kg	50 U	70 U	50 U	60 U	
Chloromethane	µg/kg	540 U	700 U	550 U	610 U	
cis-1,3-Dichloropropene	µg/kg	50 U	70 U	50 U	60 U	
Dibromochloromethane	µg/kg	50 U	70 U	50 U	60 U	
Methyl ethyl ketone	µg/kg	540 U	700 U	550 U	610 U	
Methyl iso butyl ketone	µg/kg	540 U	700 U	550 U	610 U	
trans-1,3-Dichloropropene	µg/kg	50 U	70 U	50 U	60 U	
Vinyl acetate	µg/kg	540 U	700 U	550 U	610 U	
Total Petroleum Hydrocarbons						
Diesel #2	mg/kg	27 U	35 U	27 U	30 U	395 JN
Gasoline	mg/kg	5 U	7 U	5 U	6 U	37
Motor Oil	mg/kg					1023
Thinner	mg/kg	27 U	35 U	27 U	30 U	
BTEX						
Benzene	µg/kg	50 U	70 U	50 U	60 U	
Toluene	µg/kg	50 U	70 U	50 U	60 U	
Ethylbenzene	µg/kg	50 U	70 U	50 U	60 U	
Xylene (total)	µg/kg	50 U	70 U	50 U	60 U	
Alkylated Benzenes						
Styrene	µg/kg	50 U	70 U	50 U	60 U	
Semivolatile Organic Compounds						
Benzo(a)anthracene	µg/kg	180 U	230 U	190 U	210 U	390 U

	Event	Hart Crowser's RI Event 1				
	Location	B-28	B-27	B-28	B-28	B-29
	SampleID	**B-28/S3**	**B-27/S25**	**B-28/S6**	**B-28/S10**	**B-29/SURFACE TOTAL**
	Depth (bgs)	3 - 4.5 ft	47.5 - 49 ft	7.5 - 9 ft	13.5 - 15 ft	0 ft
	Sample Date	03/30/1992	04/06/1992	03/30/1992	03/30/1992	04/08/1992
Semivolatile Organic Compounds						
Benzo(a)pyrene	µg/kg	180 U	230 U	190 U	210 U	390 U
Benzo(g,h,i)perylene	µg/kg	180 U	230 U	190 U	210 U	390 U
Benzo(b)fluoranthene	µg/kg	180 U	230 U	190 U	210 U	390 U
Benzo(k)fluoranthene	µg/kg	180 U	230 U	190 U	210 U	390 U
Chrysene	µg/kg	180 U	230 U	190 U	210 U	390 U
Dibenzo(a,h)anthracene	µg/kg	180 U	230 U	190 U	210 U	390 U
Fluoranthene	µg/kg	180 U	230 U	190 U	210 U	390 U
Indeno(1,2,3-cd)pyrene	µg/kg	180 U	230 U	190 U	210 U	390 U
Pyrene	µg/kg	180 U	230 U	190 U	210 U	390 U
1-Methylnaphthalene	µg/kg	180 U	230 U	190 U	210 U	390 U
Acenaphthene	µg/kg	180 U	230 U	190 U	210 U	390 U
Acenaphthylene	µg/kg	180 U	230 U	190 U	210 U	430
Anthracene	µg/kg	180 U	230 U	190 U	210 U	390 U
Fluorene	µg/kg	180 U	230 U	190 U	210 U	390 U
Naphthalene	µg/kg	180 U	230 U	190 U	210 U	390 U
Phenanthrene	µg/kg	180 U	230 U	190 U	210 U	390 U
2-Methylnaphthalene	µg/kg	180 U	230 U	190 U	210 U	390 U
bis(2-ethylhexyl)phthalate	µg/kg	180 U	230 U	190 U	210 U	390 U
Di-n-butyl phthalate	µg/kg	180 U	230 U	190 U	210 U	390 U
Butyl benzyl phthalate	µg/kg	180 U	230 U	190 U	210 U	390 U
Diethylphthalate	µg/kg	180 U	230 U	190 U	210 U	390 U
Dimethyl phthalate	µg/kg	180 U	230 U	190 U	210 U	390 U
Di-n-octyl phthalate	µg/kg	180 U	230 U	190 U	210 U	390 U
Pentachlorophenol	µg/kg	2 U	1200 U	2 U	1000 U	2.3
Tetrachlorophenols (total)	µg/kg	6 U	8.2 U	6 U	6 U	6 U
2,4-Dichlorophenol	µg/kg	180 U	230 U	190 U	210 U	30 U
2,4,5-Trichlorophenol	µg/kg	920 U	1200 U	940 U	10 U	2000 U
2,4,6-Trichlorophenol	µg/kg	180 U	230 U	6 U	210 U	390 U
2-Chlorophenol	µg/kg	180 U	230 U	190 U	210 U	390 U
2,4-Dimethylphenol	µg/kg	180 U	230 U	190 U	210 U	390 U
2,4-Dinitrophenol	µg/kg	920 U	1200 U	940 U	1000 U	2000 U
2,4-Dinitrotoluene	µg/kg	180 U	230 U	190 U	210 U	390 U
2,6-Dinitrotoluene	µg/kg	180 U	230 U	190 U	210 U	390 U
2-Chloronaphthalene	µg/kg	180 U	230 U	190 U	210 U	390 U
2-Methylphenol	µg/kg	180 U	230 U	190 U	210 U	390 U
2-Nitroaniline	µg/kg	920 U	1200 U	940 U	1000 U	2000 U
2-Nitrophenol	µg/kg	180 U	230 U	190 U	210 U	390 U
3,3'-Dichlorobenzidine	µg/kg	370 U	460 U	380 U	410 U	780 U
3-Nitroaniline	µg/kg	920 U	1200 U	940 U	1000 U	2000 U
4,6-Dinitro-o-cresol	µg/kg	920 U	1200 U	940 U	1000 U	2000 U
4-Bromophenyl phenyl ether	µg/kg	180 U	230 U	190 U	210 U	390 U
4-Chloro-3-methylphenol	µg/kg	180 U	230 U	190 U	210 U	390 U
4-Chloroaniline	µg/kg	180 U	230 U	190 U	210 U	390 U
4-Chlorophenyl phenyl ether	µg/kg	180 U	230 U	190 U	210 U	390 U
4-Methylphenol	µg/kg	180 U	230 U	190 U	210 U	390 U
4-Nitroaniline	µg/kg	920 U	1200 U	940 U	1000 U	2000 U
4-Nitrophenol	µg/kg	920 U	1200 U	940 U	1000 U	2000 U

	Event	Hart Crowser's RI Event 1				
	Location	B-28	B-27	B-28	B-28	B-29
	SampleID	**B-28/S3**	**B-27/S25**	**B-28/S6**	**B-28/S10**	**B-29/SURFACE TOTAL**
	Depth (bgs)	3 - 4.5 ft	47.5 - 49 ft	7.5 - 9 ft	13.5 - 15 ft	0 ft
	Sample Date	03/30/1992	04/06/1992	03/30/1992	03/30/1992	04/08/1992
Semivolatile Organic Compounds						
Aniline	µg/kg	180 U	230 U	190 U	210 U	390 U
Benzidine	µg/kg	1800 U	2300 U	1900 U	2100 U	3900 U
Benzoic acid	µg/kg	920 U	1200 U	940 U	1000 U	2000 U
Benzyl alcohol	µg/kg	180 U	230 U	190 U	210 U	390 U
bis(2-chloroethoxy)methane	µg/kg	180 U	230 U	190 U	210 U	390 U
bis(2-chloroethyl)ether	µg/kg	180 U	230 U	190 U	210 U	390 U
bis(2-chloroisopropyl)ether	µg/kg	180 U	230 U	190 U	210 U	390 U
Dibenzofuran	µg/kg	180 U	230 U	190 U	210 U	390 U
Hexachlorobenzene	µg/kg	180 U	230 U	190 U	210 U	390 U
Hexachlorobutadiene	µg/kg	180 U	230 U	190 U	210 U	390 U
Hexachlorocyclopentadiene	µg/kg	180 U	230 U	190 U	210 U	390 U
Hexachloroethane	µg/kg	180 U	230 U	190 U	210 U	390 U
Isophorone	µg/kg	180 U	230 U	190 U	210 U	390 U
Nitrobenzene	µg/kg	180 U	230 U	190 U	210 U	390 U
N-Nitrosodimethylamine	µg/kg	180 U	230 U	190 U	210 U	390 U
N-Nitroso-di-n-propylamine	µg/kg	180 U	230 U	190 U	210 U	390 U
N-Nitrosodiphenylamine	µg/kg	180 U	230 U	190 U	210 U	390 U
Phenol	µg/kg	180 U	230 U	190 U	210 U	390 U
Metals						
Aluminum	mg/kg	3400	7300	3500	5300	8000
Arsenic	mg/kg	2.8 J	2.9 J	6.9	2.7	4.8
Barium	mg/kg	9.4	27	13	15	76
Cadmium	mg/kg	0.05	0.04	0.01	0.06	1.4
Chromium	mg/kg	8.7	10	10	8.9	16
Copper	mg/kg	7.5	19	6.2	11	210
Lead	mg/kg	0.99	1.8	1.2	2.2	50
Mercury	mg/kg	0.07 U	0.1 U	0.07 U	0.08 U	0.27
Nickel	mg/kg	3.1	9	3.4	8.8	24
Zinc	mg/kg	13	25	9.2	22	330
Conventionals						
Total Organic Carbon	%	0.0944				

	Event	Hart Crowser's RI Event 1				
	Location	B-29	B-29	B-29	B-29	B-30
	SampleID	**B-29/S2**	**B-29/S4**	**B-29/S6**	**B-29/S9**	**B-30/SURFACE TOTAL**
	Depth (bgs)	3 - 4.5 ft	6 - 7.5 ft	9 - 10.5 ft	13.5 - 15 ft	0 ft
	Sample Date	04/08/1992	04/08/1992	04/08/1992	04/08/1992	04/02/1992
Volatile Organic Compounds						
Tetrachloroethene	µg/kg			50 U	270	
Trichloroethene	µg/kg			50 U	60 U	
1,2-Dichloroethene (total)	µg/kg			50 U	540	
1,1-Dichloroethene	µg/kg			50 U	60 U	
Vinyl chloride	µg/kg			50 U	140	
1,1,1-Trichloroethane	µg/kg			50 U	60 U	
1,1,2,2-Tetrachloroethane	µg/kg			50 U	60 U	
1,1,2-Trichloroethane	µg/kg			50 U	60 U	
1,1-Dichloroethane	µg/kg			50 U	60	
Chloroethane	µg/kg			50 U	60 U	
Acetone	µg/kg			1100 U	1300 U	
Dichloromethane	µg/kg			260 U	290 U	
1,2,4-Trichlorobenzene	µg/kg		210 U	190 U	220 U	390 U
1,2-Dichlorobenzene	µg/kg		210 U	190 U	220 U	390 U
1,2-Dichloroethane	µg/kg			50 U	60 U	
1,2-Dichloropropane	µg/kg			50 U	60 U	
1,3-Dichlorobenzene	µg/kg		210 U	190 U	220 U	390 U
1,4-Dichlorobenzene	µg/kg		210 U	190 U	220 U	390 U
2-Hexanone	µg/kg			570 U	650 U	
Bromodichloromethane	µg/kg			50 U	60 U	
Bromoform	µg/kg			290 U	320 U	
Bromomethane	µg/kg			570 U	650 U	
Carbon disulfide	µg/kg			50 U	60 U	
Carbon tetrachloride	µg/kg			50 U	60 U	
Chlorobenzene	µg/kg			50 U	60 U	
Chloroform	µg/kg			50 U	60 U	
Chloromethane	µg/kg			570 U	650 U	
cis-1,3-Dichloropropene	µg/kg			50 U	60 U	
Dibromochloromethane	µg/kg			50 U	60 U	
Methyl ethyl ketone	µg/kg			570 U	650 U	
Methyl iso butyl ketone	µg/kg			570 U	650 U	
trans-1,3-Dichloropropene	µg/kg			50 U	60 U	
Vinyl acetate	µg/kg			570 U	650 U	
Total Petroleum Hydrocarbons						
Diesel #2	mg/kg			28 U	31 U	287 U
Gasoline	mg/kg			9 JN	6 U	2988 JN
Motor Oil	mg/kg					3908
Thinner	mg/kg			28 U	31 U	2414
BTEX						
Benzene	µg/kg			50 U	60	
Toluene	µg/kg			50 U	550	
Ethylbenzene	µg/kg			50 U	2600	
Xylene (total)	µg/kg			50 U	1700	
Alkylated Benzenes						
Styrene	µg/kg			50 U	60 U	
Semivolatile Organic Compounds						
Benzo(a)anthracene	µg/kg		210 U	190 U	220 U	390 U

	Event	Hart Crowser's RI Event 1				
	Location	B-29	B-29	B-29	B-29	B-30
	SampleID	**B-29/S2**	**B-29/S4**	**B-29/S6**	**B-29/S9**	**B-30/SURFACE TOTAL**
	Depth (bgs)	3 - 4.5 ft	6 - 7.5 ft	9 - 10.5 ft	13.5 - 15 ft	0 ft
	Sample Date	04/08/1992	04/08/1992	04/08/1992	04/08/1992	04/02/1992
Semivolatile Organic Compounds						
Benzo(a)pyrene	µg/kg		210 U	190 U	220 U	390 U
Benzo(g,h,i)perylene	µg/kg		210 U	190 U	220 U	390 U
Benzo(b)fluoranthene	µg/kg		210 U	190 U	220 U	390 U
Benzo(k)fluoranthene	µg/kg		210 U	190 U	220 U	390 U
Chrysene	µg/kg		210 U	190 U	220 U	390 U
Dibenzo(a,h)anthracene	µg/kg		210 U	190 U	220 U	390 U
Fluoranthene	µg/kg		210 U	190 U	220 U	390 U
Indeno(1,2,3-cd)pyrene	µg/kg		210 U	190 U	220 U	390 U
Pyrene	µg/kg		210 U	190 U	220 U	390 U
1-Methylnaphthalene	µg/kg		210 U	190 U	220 U	390 U
Acenaphthene	µg/kg		210 U	190 U	220 U	390 U
Acenaphthylene	µg/kg		210 U	190 U	220 U	390 U
Anthracene	µg/kg		210 U	190 U	220 U	390 U
Fluorene	µg/kg		210 U	190 U	220 U	390 U
Naphthalene	µg/kg		210 U	190 U	220 U	490
Phenanthrene	µg/kg		210 U	190 U	220 U	390 U
2-Methylnaphthalene	µg/kg		210 U	190 U	220 U	390 U
bis(2-ethylhexyl)phthalate	µg/kg		210 U	190 U	220 U	2500
Di-n-butyl phthalate	µg/kg		210 U	190 U	220 U	1700
Butyl benzyl phthalate	µg/kg		210 U	190 U	220 U	390 U
Diethylphthalate	µg/kg		210 U	190 U	220 U	390 U
Dimethyl phthalate	µg/kg		210 U	190 U	220 U	390 U
Di-n-octyl phthalate	µg/kg		210 U	190 U	220 U	390 U
Pentachlorophenol	µg/kg		1000 U	940 U	1100 U	3400
Tetrachlorophenols (total)	µg/kg			6 U	6 U	700 U
2,4-Dichlorophenol	µg/kg		210 U	190 U	30 U	390 U
2,4,5-Trichlorophenol	µg/kg		1000 U	940 U	10 U	2000 U
2,4,6-Trichlorophenol	µg/kg		210 U	190 U	6 U	390 U
2-Chlorophenol	µg/kg		210 U	190 U	220 U	390 U
2,4-Dimethylphenol	µg/kg		210 U	190 U	220 U	390 U
2,4-Dinitrophenol	µg/kg		1000 U	940 U	1100 U	2000 U
2,4-Dinitrotoluene	µg/kg		210 U	190 U	220 U	390 U
2,6-Dinitrotoluene	µg/kg		210 U	190 U	220 U	390 U
2-Chloronaphthalene	µg/kg		210 U	190 U	220 U	390 U
2-Methylphenol	µg/kg		210 U	190 U	220 U	390 U
2-Nitroaniline	µg/kg		1000 U	940 U	1100 U	2000 U
2-Nitrophenol	µg/kg		210 U	190 U	220 U	390 U
3,3'-Dichlorobenzidine	µg/kg		420 U	380 U	440 U	790 U
3-Nitroaniline	µg/kg		1000 U	940 U	1100 U	2000 U
4,6-Dinitro-o-cresol	µg/kg		1000 U	940 U	1100 U	2000 U
4-Bromophenyl phenyl ether	µg/kg		210 U	190 U	220 U	390 U
4-Chloro-3-methylphenol	µg/kg		210 U	190 U	220 U	390 U
4-Chloroaniline	µg/kg		210 U	190 U	220 U	390 U
4-Chlorophenyl phenyl ether	µg/kg		210 U	190 U	220 U	390 U
4-Methylphenol	µg/kg		210 U	190 U	220 U	450
4-Nitroaniline	µg/kg		1000 U	940 U	1100 U	2000 U
4-Nitrophenol	µg/kg		1000 U	940 U	1100 U	2000 U

	Event	Hart Crowser's RI Event 1				
	Location	B-29	B-29	B-29	B-29	B-30
	SampleID	**B-29/S2**	**B-29/S4**	**B-29/S6**	**B-29/S9**	**B-30/SURFACE TOTAL**
	Depth (bgs)	3 - 4.5 ft	6 - 7.5 ft	9 - 10.5 ft	13.5 - 15 ft	0 ft
	Sample Date	04/08/1992	04/08/1992	04/08/1992	04/08/1992	04/02/1992
Semivolatile Organic Compounds						
Aniline	µg/kg		210 U	190 U	220 U	390 U
Benzidine	µg/kg		2100 U	1900 U	2200 U	3900 U
Benzoic acid	µg/kg		1000 U	940 U	1100 U	2000 U
Benzyl alcohol	µg/kg		210 U	190 U	220 U	390 U
bis(2-chloroethoxy)methane	µg/kg		210 U	190 U	220 U	390 U
bis(2-chloroethyl)ether	µg/kg		210 U	190 U	220 U	390 U
bis(2-chloroisopropyl)ether	µg/kg		210 U	190 U	220 U	390 U
Dibenzofuran	µg/kg		210 U	190 U	220 U	390 U
Hexachlorobenzene	µg/kg		210 U	190 U	220 U	390 U
Hexachlorobutadiene	µg/kg		210 U	190 U	220 U	390 U
Hexachlorocyclopentadiene	µg/kg		210 U	190 U	220 U	390 U
Hexachloroethane	µg/kg		210 U	190 U	220 U	390 U
Isophorone	µg/kg		210 U	190 U	220 U	390 U
Nitrobenzene	µg/kg		210 U	190 U	220 U	390 U
N-Nitrosodimethylamine	µg/kg		210 U	190 U	220 U	390 U
N-Nitroso-di-n-propylamine	µg/kg		210 U	190 U	220 U	390 U
N-Nitrosodiphenylamine	µg/kg		210 U	190 U	220 U	390 U
Phenol	µg/kg		210 U	190 U	220 U	390 U
Dioxin-Furans						
1,2,3,4,6,7,8-HpCDD	pg/kg					8170
1,2,3,4,7,8-HxCDD	pg/kg					38.9
1,2,3,6,7,8-HxCDD	pg/kg					203
1,2,3,7,8,9-HxCDD	pg/kg					103
1,2,3,7,8-PeCDD	pg/kg					11.3
2,3,7,8-TCDD	pg/kg					7 U
Total HpCDD	pg/kg					13800
Total HxCDD	pg/kg					1050
Total PCDD	pg/kg					11.3
Total TCDD	pg/kg					7 U
Total OCDD	pg/kg					83720
1,2,3,4,6,7,8-HpCDF	pg/kg					1190
1,2,3,4,7,8,9-HpCDF	pg/kg					98.7
1,2,3,4,7,8-HxCDF	pg/kg					48.4
1,2,3,6,7,8-HxCDF	pg/kg					42.2
1,2,3,7,8,9-HxCDF	pg/kg					16.3 U
1,2,3,7,8-PeCDF	pg/kg					7.1
2,3,4,6,7,8-HxCDF	pg/kg					73.5
2,3,4,7,8-PeCDF	pg/kg					7.3
2,3,7,8-TCDF	pg/kg					12.5
Total HpCDF	pg/kg					4490
Total HxCDF	pg/kg					881
Total PCDF	pg/kg					17.5
Total TCDF	pg/kg					94.2
Total OCDF	pg/kg					4750
Metals						
Aluminum	mg/kg	1400		5400	13000	5200
Arsenic	mg/kg	6.9		2.8	0.69	8.9

	Event	**Hart Crowser's RI Event 1**				
	Location	B-29	B-29	B-29	B-29	B-30
	SampleID	**B-29/S2**	**B-29/S4**	**B-29/S6**	**B-29/S9**	**B-30/SURFACE TOTAL**
	Depth (bgs)	3 - 4.5 ft	6 - 7.5 ft	9 - 10.5 ft	13.5 - 15 ft	0 ft
	Sample Date	04/08/1992	04/08/1992	04/08/1992	04/08/1992	04/02/1992
Metals						
Barium	mg/kg	1700		14	27	87
Cadmium	mg/kg	0.5		0.04	0.71	0.37
Chromium	mg/kg	4.2		10	17	13
Copper	mg/kg	33		15	26	55
Lead	mg/kg	33		1.7	1.9	14
Mercury	mg/kg	0.09 U		0.1 U	0.1 U	0.08 U
Nickel	mg/kg	14		4	26	25
Zinc	mg/kg	74		18	130	71

	Event	Hart Crowser's RI Event 1				
	Location	B-30	B-30	B-30	B-30	B-31
	SampleID	**B-30/S2**	**B-30/S6**	**B-30/S6A**	**B-30/S9**	**B-31/SURFACE TOTAL**
	Depth (bgs)	4 - 5.5 ft	10 - 11.5 ft	10 - 11.5 ft	14.5 - 16 ft	0 ft
	Sample Date	04/02/1992	04/07/1992	04/07/1992	04/07/1992	04/02/1992
Volatile Organic Compounds						
Tetrachloroethene	µg/kg	21000	3000000	2700000	13000000	
Trichloroethene	µg/kg	870	38000	29000	820000	
1,2-Dichloroethene (total)	µg/kg	30000	530 U	600 U	57000	
1,1-Dichloroethene	µg/kg	360 U	530 U	600 U	620 U	
Vinyl chloride	µg/kg	360 U	530 U	600 U	620 U	
1,1,1-Trichloroethane	µg/kg	490	1400	970	160000	
1,1,2,2-Tetrachloroethane	µg/kg	360 U	530 U	600 U	620 U	
1,1,2-Trichloroethane	µg/kg	360 U	530 U	600 U	620 U	
1,1-Dichloroethane	µg/kg	360 U	530 U	600 U	3200	
Chloroethane	µg/kg	360 U	530 U	600 U	620 U	
Acetone	µg/kg	47000	7300	9400	10000	
Dichloromethane	µg/kg	2300 U	2400 U	3000 U	11000	
1,2,4-Trichlorobenzene	µg/kg	250 U	900 U	900 U	2100 U	190 U
1,2-Dichlorobenzene	µg/kg	250 U	900 U	900 U	2100 U	190 U
1,2-Dichloroethane	µg/kg	360 U	530 U	600 U	620 U	
1,2-Dichloropropane	µg/kg	360 U	530 U	600 U	620 U	
1,3-Dichlorobenzene	µg/kg	250 U	900 U	900 U	2100 U	190 U
1,4-Dichlorobenzene	µg/kg	250 U	900 U	900 U	2100 U	190 U
2-Hexanone	µg/kg	3600 U	5300 U	6000 U	6200 U	
Bromodichloromethane	µg/kg	360 U	530 U	600 U	620 U	
Bromoform	µg/kg	1800 U	2700 U	3000 U	3100 U	
Bromomethane	µg/kg	3600 U	5300 U	6000 U	6200 U	
Carbon disulfide	µg/kg	360 U	530 U	600 U	620 U	
Carbon tetrachloride	µg/kg	360 U	530 U	600 U	620 U	
Chlorobenzene	µg/kg	360 U	530 U	600 U	620 U	
Chloroform	µg/kg	360 U	530 U	600 U	620 U	
Chloromethane	µg/kg	3600 U	5300 U	6000 U	6200 U	
cis-1,3-Dichloropropene	µg/kg	360 U	530 U	600 U	620 U	
Dibromochloromethane	µg/kg	360 U	530 U	600 U	620 U	
Methyl ethyl ketone	µg/kg	3600 U	5300 U	6000 U	6200 U	
Methyl iso butyl ketone	µg/kg	3800	5300 U	6000 U	8600	
trans-1,3-Dichloropropene	µg/kg	360 U	530 U	600 U	620 U	
Vinyl acetate	µg/kg	3600 U	5300 U	6000 U	6200 U	
Total Petroleum Hydrocarbons						
Diesel #2	mg/kg	36 U	373	643	210 JN	142 JN
Gasoline	mg/kg	67	3411 JN	5000	1728 JN	557
Motor Oil	mg/kg		107 U	3095 J	741	1477
Thinner	mg/kg		2452	2738	1358	659
BTEX						
Benzene	µg/kg	360 U	530 U	600 U	12000	
Toluene	µg/kg	4300	160000	140000	1100000	
Ethylbenzene	µg/kg	360 U	34000	28000	100000	
Xylene (total)	µg/kg	780	140000	130000	410000	
Alkylated Benzenes						
Styrene	µg/kg	360 U	10000	8900	40000	
Semivolatile Organic Compounds						
Benzo(a)anthracene	µg/kg	250 U	900 U	900 U	2100 U	190 U

	Event	Hart Crowser's RI Event 1				
	Location	B-30	B-30	B-30	B-30	B-31
	SampleID	**B-30/S2**	**B-30/S6**	**B-30/S6A**	**B-30/S9**	**B-31/SURFACE TOTAL**
	Depth (bgs)	4 - 5.5 ft	10 - 11.5 ft	10 - 11.5 ft	14.5 - 16 ft	0 ft
	Sample Date	04/02/1992	04/07/1992	04/07/1992	04/07/1992	04/02/1992
Semivolatile Organic Compounds						
Benzo(a)pyrene	µg/kg	250 U	900 U	900 U	2100 U	190 U
Benzo(g,h,i)perylene	µg/kg	250 U	900 U	900 U	2100 U	190 U
Benzo(b)fluoranthene	µg/kg	250 U	900 U	900 U	2100 U	190 U
Benzo(k)fluoranthene	µg/kg	250 U	900 U	900 U	2100 U	190 U
Chrysene	µg/kg	250 U	900 U	900 U	2100 U	190 U
Dibenzo(a,h)anthracene	µg/kg	250 U	900 U	900 U	2100 U	190 U
Fluoranthene	µg/kg	250 U	900 U	900 U	2100 U	260
Indeno(1,2,3-cd)pyrene	µg/kg	250 U	900 U	900 U	2100 U	190 U
Pyrene	µg/kg	250 U	900 U	900 U	2100 U	320
1-Methylnaphthalene	µg/kg	250 U	900 U	900 U	2100 U	190 U
Acenaphthene	µg/kg	250 U	900 U	900 U	2100 U	210
Acenaphthylene	µg/kg	250 U	900 U	900 U	2100 U	190 U
Anthracene	µg/kg	250 U	900 U	900 U	2100 U	190 U
Fluorene	µg/kg	250 U	900 U	900 U	2100 U	190 U
Naphthalene	µg/kg	250 U	1100	970	2100 U	320
Phenanthrene	µg/kg	250 U	900 U	900 U	2100 U	330
2-Methylnaphthalene	µg/kg	250 U	950	900 U	2100 U	190 U
bis(2-ethylhexyl)phthalate	µg/kg	870	6600	6200	10000	1400
Di-n-butyl phthalate	µg/kg	250 U	22000	22000	15000	190 U
Butyl benzyl phthalate	µg/kg	250 U	900 U	900 U	2100 U	190 U
Diethylphthalate	µg/kg	250 U	900 U	900 U	2100 U	190 U
Dimethyl phthalate	µg/kg	250 U	900 U	900 U	2100 U	190 U
Di-n-octyl phthalate	µg/kg	250 U	900 U	900 U	2100 U	190 U
Pentachlorophenol	µg/kg	1200 U	4700	4000	13000	960 U
Tetrachlorophenols (total)	µg/kg	87 U	900	790	730	68 U
2,4-Dichlorophenol	µg/kg	440 U	3000 U	900 U	2100 U	190 U
2,4,5-Trichlorophenol	µg/kg	150 U	1000 U	4500 U	10000 U	960 U
2,4,6-Trichlorophenol	µg/kg	87 U	600 U	900 U	2100 U	190 U
2-Chlorophenol	µg/kg	250 U	900 U	900 U	2100 U	190 U
2,4-Dimethylphenol	µg/kg	250 U	900 U	900 U	2100 U	190 U
2,4-Dinitrophenol	µg/kg	1200 U	4500 U	4500 U	10000 U	960 U
2,4-Dinitrotoluene	µg/kg	250 U	900 U	900 U	2100 U	190 U
2,6-Dinitrotoluene	µg/kg	250 U	900 U	900 U	2100 U	190 U
2-Chloronaphthalene	µg/kg	250 U	900 U	900 U	2100 U	190 U
2-Methylphenol	µg/kg	250 U	900 U	900 U	2100 U	190 U
2-Nitroaniline	µg/kg	1200 U	4500 U	4500 U	10000 U	960 U
2-Nitrophenol	µg/kg	250 U	900 U	900 U	2100 U	190 U
3,3'-Dichlorobenzidine	µg/kg	490 U	1800 U	1800 U	4200 U	380 U
3-Nitroaniline	µg/kg	1200 U	4500 U	4500 U	10000 U	960 U
4,6-Dinitro-o-cresol	µg/kg	1200 U	4500 U	4500 U	10000 U	960 U
4-Bromophenyl phenyl ether	µg/kg	250 U	900 U	900 U	2100 U	190 U
4-Chloro-3-methylphenol	µg/kg	250 U	900 U	900 U	2100 U	190 U
4-Chloroaniline	µg/kg	250 U	900 U	900 U	2100 U	190 U
4-Chlorophenyl phenyl ether	µg/kg	250 U	900 U	900 U	2100 U	190 U
4-Methylphenol	µg/kg	250 U	900 U	900 U	2100 U	190 U
4-Nitroaniline	µg/kg	1200 U	4500 U	4500 U	10000 U	960 U
4-Nitrophenol	µg/kg	1200 U	4500 U	4500 U	10000 U	960 U

	Event	Hart Crowser's RI Event 1				
	Location	B-30	B-30	B-30	B-30	B-31
	SampleID	**B-30/S2**	**B-30/S6**	**B-30/S6A**	**B-30/S9**	**B-31/SURFACE TOTAL**
	Depth (bgs)	4 - 5.5 ft	10 - 11.5 ft	10 - 11.5 ft	14.5 - 16 ft	0 ft
	Sample Date	04/02/1992	04/07/1992	04/07/1992	04/07/1992	04/02/1992
Semivolatile Organic Compounds						
Aniline	µg/kg	250 U	900 U	900 U	2100 U	190 U
Benzidine	µg/kg	2500 U	9000 U	9000 U	21000 U	1900 U
Benzoic acid	µg/kg	3200	4500 U	4500 U	10000 U	960 U
Benzyl alcohol	µg/kg	250 U	900 U	900 U	2100 U	190 U
bis(2-chloroethoxy)methane	µg/kg	250 U	900 U	900 U	2100 U	190 U
bis(2-chloroethyl)ether	µg/kg	250 U	900 U	900 U	2100 U	190 U
bis(2-chloroisopropyl)ether	µg/kg	250 U	900 U	900 U	2100 U	190 U
Dibenzofuran	µg/kg	250 U	900 U	900 U	2100 U	190 U
Hexachlorobenzene	µg/kg	250 U	900 U	900 U	2100 U	190 U
Hexachlorobutadiene	µg/kg	250 U	900 U	900 U	2100 U	190 U
Hexachlorocyclopentadiene	µg/kg	250 U	900 U	900 U	2100 U	190 U
Hexachloroethane	µg/kg	250 U	900 U	900 U	2100 U	190 U
Isophorone	µg/kg	250 U	900 U	900 U	2100 U	190 U
Nitrobenzene	µg/kg	250 U	900 U	900 U	2100 U	190 U
N-Nitrosodimethylamine	µg/kg	250 U	900 U	900 U	2100 U	190 U
N-Nitroso-di-n-propylamine	µg/kg	250 U	900 U	900 U	2100 U	190 U
N-Nitrosodiphenylamine	µg/kg	250 U	900 U	900 U	2100 U	190 U
Phenol	µg/kg	250 U	900 U	900 U	2100 U	190 U
Dioxin-Furans						
1,2,3,4,6,7,8-HpCDD	pg/kg				6980	
1,2,3,4,7,8-HxCDD	pg/kg				24.1	
1,2,3,6,7,8-HxCDD	pg/kg				176	
1,2,3,7,8,9-HxCDD	pg/kg				74.4	
1,2,3,7,8-PeCDD	pg/kg				5.5	
2,3,7,8-TCDD	pg/kg				0.6 U	
Total HpCDD	pg/kg				11390	
Total HxCDD	pg/kg				758	
Total PCDD	pg/kg				23.4	
Total TCDD	pg/kg				1.7	
Total OCDD	pg/kg				51540	
1,2,3,4,6,7,8-HpCDF	pg/kg				981	
1,2,3,4,7,8,9-HpCDF	pg/kg				78.6	
1,2,3,4,7,8-HxCDF	pg/kg				38.4	
1,2,3,6,7,8-HxCDF	pg/kg				31.7	
1,2,3,7,8,9-HxCDF	pg/kg				21.6	
1,2,3,7,8-PeCDF	pg/kg				3.9	
2,3,4,6,7,8-HxCDF	pg/kg				61	
2,3,4,7,8-PeCDF	pg/kg				4	
2,3,7,8-TCDF	pg/kg				1.7	
Total HpCDF	pg/kg				3880	
Total HxCDF	pg/kg				1090	
Total PCDF	pg/kg				73.4	
Total TCDF	pg/kg				29.9	
Total OCDF	pg/kg				3490	
Metals						
Aluminum	mg/kg	16000	3800	4100	6100	7100
Arsenic	mg/kg	4.7	0.86	1.2	2.3	6.8

	Event	**Hart Crowser's RI Event 1**				
	Location	B-30	B-30	B-30	B-30	B-31
	SampleID	**B-30/S2**	**B-30/S6**	**B-30/S6A**	**B-30/S9**	**B-31/SURFACE TOTAL**
	Depth (bgs)	4 - 5.5 ft	10 - 11.5 ft	10 - 11.5 ft	14.5 - 16 ft	0 ft
	Sample Date	04/02/1992	04/07/1992	04/07/1992	04/07/1992	04/02/1992
Metals						
Barium	mg/kg	48	9.8	12	15	63
Cadmium	mg/kg	0.15	0.04	0.03	0.03	0.13
Chromium	mg/kg	14	9.3	6.6	8.7	42
Copper	mg/kg	22	10	7.6	16	100
Lead	mg/kg	13	1.2	1	1.2	24
Mercury	mg/kg	0.13 U	0.09 U	0.1 U	0.09 U	0.62
Nickel	mg/kg	11	4	3.8	4.6	16
Zinc	mg/kg	59	16	15	18	91

	Event	Hart Crowser's RI Event 1				
	Location	B-31	B-31	B-31		
	SampleID	**B-31/S2**	**B-31/S6**	**B-31/S8**		
	Depth (bgs)	1.5 - 3 ft	7.5 - 9 ft	10.5 - 12 ft		
	Sample Date	04/07/1992	04/07/1992	04/07/1992		
Volatile Organic Compounds						
Tetrachloroethene	µg/kg	940	440	71000		
Trichloroethene	µg/kg	60 U	50 U	11000		
1,2-Dichloroethene (total)	µg/kg	60 U	50 U	2100		
1,1-Dichloroethene	µg/kg	60 U	50 U	300 U		
Vinyl chloride	µg/kg	60 U	50 U	300 U		
1,1,1-Trichloroethane	µg/kg	60 U	50 U	2000		
1,1,2,2-Tetrachloroethane	µg/kg	60 U	50 U	300 U		
1,1,2-Trichloroethane	µg/kg	60 U	50 U	300 U		
1,1-Dichloroethane	µg/kg	60 U	50 U	300 U		
Chloroethane	µg/kg	60 U	50 U	300 U		
Acetone	µg/kg	800 U	1100 U	4200 U		
Dichloromethane	µg/kg	310 U	240 U	2300 U		
1,2,4-Trichlorobenzene	µg/kg	1000 U	180 U	210 U		
1,2-Dichlorobenzene	µg/kg	1000 U	180 U	210 U		
1,2-Dichloroethane	µg/kg	60 U	50 U	300 U		
1,2-Dichloropropane	µg/kg	60 U	50 U	300 U		
1,3-Dichlorobenzene	µg/kg	1000 U	180 U	210 U		
1,4-Dichlorobenzene	µg/kg	1000 U	180 U	210 U		
2-Hexanone	µg/kg	640 U	530 U	3000 U		
Bromodichloromethane	µg/kg	60 U	50 U	300 U		
Bromoform	µg/kg	320 U	270 U	1500 U		
Bromomethane	µg/kg	640 U	530 U	3000 U		
Carbon disulfide	µg/kg	60 U	50 U	300 U		
Carbon tetrachloride	µg/kg	60 U	50 U	300 U		
Chlorobenzene	µg/kg	60 U	50 U	300 U		
Chloroform	µg/kg	60 U	50 U	300 U		
Chloromethane	µg/kg	640 U	530 U	3000 U		
cis-1,3-Dichloropropene	µg/kg	60 U	50 U	300 U		
Dibromochloromethane	µg/kg	60 U	50 U	300 U		
Methyl ethyl ketone	µg/kg	640 U	530 U	3000 U		
Methyl iso butyl ketone	µg/kg	640 U	530 U	3000 U		
trans-1,3-Dichloropropene	µg/kg	60 U	50 U	300 U		
Vinyl acetate	µg/kg	640 U	530 U	3000 U		
Total Petroleum Hydrocarbons						
Diesel #2	mg/kg	32 U	27 U	30 U		
Gasoline	mg/kg	6 U	5 U	30 JN		
Motor Oil	mg/kg			458 JN		
Thinner	mg/kg	32 U	27 U	30 U		
BTEX						
Benzene	µg/kg	60 U	50 U	300 U		
Toluene	µg/kg	60 U	50 U	10000		
Ethylbenzene	µg/kg	60 U	50 U	300 U		
Xylene (total)	µg/kg	60 U	50 U	1100		
Alkylated Benzenes						
Styrene	µg/kg	60 U	50 U	300 U		
Semivolatile Organic Compounds						
Benzo(a)anthracene	µg/kg	1000 U	180 U	210 U		
Benzo(a)pyrene	µg/kg	1000 U	180 U	210 U		

	Event	Hart Crowser's RI Event 1				
	Location	B-31	B-31	B-31		
	SampleID	**B-31/S2**	**B-31/S6**	**B-31/S8**		
	Depth (bgs)	1.5 - 3 ft	7.5 - 9 ft	10.5 - 12 ft		
	Sample Date	04/07/1992	04/07/1992	04/07/1992		
Semivolatile Organic Compounds						
Benzo(g,h,i)perylene	µg/kg	1000 U	180 U	210 U		
Benzo(b)fluoranthene	µg/kg	1000 U	180 U	210 U		
Benzo(k)fluoranthene	µg/kg	1000 U	180 U	210 U		
Chrysene	µg/kg	1000 U	180 U	210 U		
Dibenzo(a,h)anthracene	µg/kg	1000 U	180 U	210 U		
Fluoranthene	µg/kg	1000 U	180 U	210 U		
Indeno(1,2,3-cd)pyrene	µg/kg	1000 U	180 U	210 U		
Pyrene	µg/kg	1000 U	180 U	210 U		
1-Methylnaphthalene	µg/kg	1000 U	180 U	210 U		
Acenaphthene	µg/kg	1000 U	180 U	210 U		
Acenaphthylene	µg/kg	1000 U	180 U	210 U		
Anthracene	µg/kg	1000 U	180 U	210 U		
Fluorene	µg/kg	1000 U	180 U	210 U		
Naphthalene	µg/kg	1000 U	180 U	210 U		
Phenanthrene	µg/kg	1000 U	180 U	210 U		
2-Methylnaphthalene	µg/kg	1000 U	180 U	210 U		
bis(2-ethylhexyl)phthalate	µg/kg	1000 U	180 U	310		
Di-n-butyl phthalate	µg/kg	1000 U	180 U	430		
Butyl benzyl phthalate	µg/kg	1000 U	180 U	210 U		
Diethylphthalate	µg/kg	1000 U	180 U	210 U		
Dimethyl phthalate	µg/kg	1000 U	180 U	210 U		
Di-n-octyl phthalate	µg/kg	1000 U	180 U	210 U		
Pentachlorophenol	µg/kg	5000 U	27	2000		
Tetrachlorophenols (total)	µg/kg	6 U	6 U	600 U		
2,4-Dichlorophenol	µg/kg	1000 U	30 U	210 U		
2,4,5-Trichlorophenol	µg/kg	5000 U	10 U	1000 U		
2,4,6-Trichlorophenol	µg/kg	1000 U	6 U	210 U		
2-Chlorophenol	µg/kg	1000 U	180 U	210 U		
2,4-Dimethylphenol	µg/kg	1000 U	180 U	210 U		
2,4-Dinitrophenol	µg/kg	5000 U	910 U	1000 U		
2,4-Dinitrotoluene	µg/kg	1000 U	180 U	210 U		
2,6-Dinitrotoluene	µg/kg	1000 U	180 U	210 U		
2-Chloronaphthalene	µg/kg	1000 U	180 U	210 U		
2-Methylphenol	µg/kg	1000 U	180 U	210 U		
2-Nitroaniline	µg/kg	5000 U	910 U	1000 U		
2-Nitrophenol	µg/kg	1000 U	180 U	210 U		
3,3'-Dichlorobenzidine	µg/kg	2000 U	360 U	420 U		
3-Nitroaniline	µg/kg	5000 U	910 U	1000 U		
4,6-Dinitro-o-cresol	µg/kg	5000 U	910 U	1000 U		
4-Bromophenyl phenyl ether	µg/kg	1000 U	180 U	210 U		
4-Chloro-3-methylphenol	µg/kg	1000 U	180 U	210 U		
4-Chloroaniline	µg/kg	1000 U	180 U	210 U		
4-Chlorophenyl phenyl ether	µg/kg	1000 U	180 U	210 U		
4-Methylphenol	µg/kg	1000 U	180 U	210 U		
4-Nitroaniline	µg/kg	5000 U	910 U	1000 U		
4-Nitrophenol	µg/kg	5000 U	910 U	1000 U		
Aniline	µg/kg	1000 U	180 U	210 U		
Benzidine	µg/kg	10000 U	1800 U	2100 U		

	Event	Hart Crowser's RI Event 1				
	Location	B-31	B-31	B-31		
	SampleID	**B-31/S2**	**B-31/S6**	**B-31/S8**		
	Depth (bgs)	1.5 - 3 ft	7.5 - 9 ft	10.5 - 12 ft		
	Sample Date	04/07/1992	04/07/1992	04/07/1992		
Semivolatile Organic Compounds						
Benzoic acid	µg/kg	5000 U	910 U	1000 U		
Benzyl alcohol	µg/kg	1000 U	180 U	210 U		
bis(2-chloroethoxy)methane	µg/kg	1000 U	180 U	210 U		
bis(2-chloroethyl)ether	µg/kg	1000 U	180 U	210 U		
bis(2-chloroisopropyl)ether	µg/kg	1000 U	180 U	210 U		
Dibenzofuran	µg/kg	1000 U	180 U	210 U		
Hexachlorobenzene	µg/kg	1000 U	180 U	210 U		
Hexachlorobutadiene	µg/kg	1000 U	180 U	210 U		
Hexachlorocyclopentadiene	µg/kg	1000 U	180 U	210 U		
Hexachloroethane	µg/kg	1000 U	180 U	210 U		
Isophorone	µg/kg	1000 U	180 U	210 U		
Nitrobenzene	µg/kg	1000 U	180 U	210 U		
N-Nitrosodimethylamine	µg/kg	1000 U	180 U	210 U		
N-Nitroso-di-n-propylamine	µg/kg	1000 U	180 U	210 U		
N-Nitrosodiphenylamine	µg/kg	1000 U	180 U	210 U		
Phenol	µg/kg	1000 U	180 U	210 U		
Dioxin-Furans						
1,2,3,4,6,7,8-HpCDD	pg/kg			269		
1,2,3,4,7,8-HxCDD	pg/kg			1.4		
1,2,3,6,7,8-HxCDD	pg/kg			9.6		
1,2,3,7,8,9-HxCDD	pg/kg			3.8		
1,2,3,7,8-PeCDD	pg/kg			0.3 U		
2,3,7,8-TCDD	pg/kg			0.3 U		
Total HpCDD	pg/kg			473		
Total HxCDD	pg/kg			37.3		
Total PCDD	pg/kg			0.5 U		
Total TCDD	pg/kg			0.3 U		
Total OCDD	pg/kg			3050		
1,2,3,4,6,7,8-HpCDF	pg/kg			33.3		
1,2,3,4,7,8,9-HpCDF	pg/kg			4		
1,2,3,4,7,8-HxCDF	pg/kg			1.8		
1,2,3,6,7,8-HxCDF	pg/kg			1		
1,2,3,7,8,9-HxCDF	pg/kg			0.7 U		
1,2,3,7,8-PeCDF	pg/kg			0.4 U		
2,3,4,6,7,8-HxCDF	pg/kg			2.1		
2,3,4,7,8-PeCDF	pg/kg			0.4 U		
2,3,7,8-TCDF	pg/kg			0.3 U		
Total HpCDF	pg/kg			148		
Total HxCDF	pg/kg			37.3		
Total PCDF	pg/kg			4.4		
Total TCDF	pg/kg			0.58		
Total OCDF	pg/kg			177		
Metals						
Aluminum	mg/kg	14000	3500	4600		
Arsenic	mg/kg	2	0.71	0.71		
Barium	mg/kg	35	7.5	13		
Cadmium	mg/kg	0.01	0.02	0.04		
Chromium	mg/kg	12	5.5	8.4		

	Event	**Hart Crowser's RI Event 1**				
	Location	B-31	B-31	B-31		
	SampleID	**B-31/S2**	**B-31/S6**	**B-31/S8**		
	Depth (bgs)	1.5 - 3 ft	7.5 - 9 ft	10.5 - 12 ft		
	Sample Date	04/07/1992	04/07/1992	04/07/1992		
Metals						
Copper	mg/kg	18	7.6	12		
Lead	mg/kg	3.4	0.99	1.3		
Mercury	mg/kg	0.1 U	0.09 U	0.08 U		
Nickel	mg/kg	7.2	3.9	6.3		
Zinc	mg/kg	21	13	20		
Conventionals						
Total Organic Carbon	%		0.0627			

	Event	Hart Crowser's Pre-RI UST Investigation				
	Location	15/16N	21-C	25-S	5/6N	7/8S
	SampleID	**15/16N**	**21-C**	**25-S**	**5/6N**	**7/8S**
	Depth (bgs)	10 - 12 ft	10 - 12 ft	10 - 12 ft	10 - 12 ft	10 - 12 ft
	Sample Date	09/19/1990	08/31/1990	08/31/1990	09/19/1990	09/19/1990
Volatile Organic Compounds						
Tetrachloroethene	µg/kg	5 U	170000	11000000	5 U	5 U
Trichloroethene	µg/kg	5 U	4900	180000	5 U	5 U
cis-1,2-Dichloroethene	µg/kg	5 U	270 U	24000	5 U	10
trans-1,2-Dichloroethene	µg/kg	5 U	270 U	50 U	5 U	5 U
1,1-Dichloroethene	µg/kg	5 U	270 U	50 U	5 U	5 U
Vinyl chloride	µg/kg	5 U	270 U	13000 U	5 U	5 U
1,1,1-Trichloroethane	µg/kg	5 U	270 U	13000 U	5 U	5 U
1,1,2,2-Tetrachloroethane	µg/kg	16 U	810 U	200 U	16 U	16 U
1,1,2-Trichloroethane	µg/kg	5 U	270 U	50 U	5 U	5 U
1,1-Dichloroethane	µg/kg	5 U	270 U	50 U	5 U	5 U
Chloroethane	µg/kg	16 U	810 U	40000 U	16 U	16 U
Acetone	µg/kg	2100	33000	67000 U	120	130
Dichloromethane	µg/kg	14	270 U	13000 U	7	11
1,2-Dichloroethane	µg/kg	5 U	270 U	200 U	5 U	5 U
1,2-Dichloropropane	µg/kg	5 U	270 U	50 U	5 U	5 U
1,3-Dichloropropene	µg/kg			200 U		
2-Hexanone	µg/kg	16 U	810 U	40000 U	16 U	16 U
Bromodichloromethane	µg/kg	5 U	270 U	200 U	5 U	5 U
Bromoform	µg/kg	5 U	270 U	200 U	5 U	5 U
Bromomethane	µg/kg	5 U	270 U	13000 U	5 U	5 U
Carbon disulfide	µg/kg	5 U	270 U	13000 U	5 U	5 U
Carbon tetrachloride	µg/kg	5 U	270 U	13000 U	5 U	5 U
Chlorobenzene	µg/kg	16 U	810 U	50 U	16 U	16 U
Chloroform	µg/kg	5 U	270 U	1300 U	5 U	5 U
Chloromethane	µg/kg	5 U	270 U	13000 U	5 U	5 U
cis-1,3-Dichloropropene	µg/kg	16 U	810 U	40000 U	16 U	16 U
Dibromochloromethane	µg/kg	16 U	810 U	200 U	16 U	16 U
Methyl ethyl ketone	µg/kg	16 U	810 U	40000 U	16 U	16 U
Methyl iso butyl ketone	µg/kg	16 U	810 U	40000 U	16 U	16 U
trans-1,3-Dichloropropene	µg/kg	16 U	810 U	40000 U	16 U	16 U
Trichlorofluoromethane	µg/kg			50 U		
Vinyl acetate	µg/kg	5 U	270 U	13000 U	5 U	5 U
Total Petroleum Hydrocarbons						
Mineral Spirits	mg/kg	1.8	1800	12	2	4.7
1-Propanol	mg/kg	0.001 U			0.001 U	0.001 U
iso-Propanol	mg/kg	0.001 U			0.001 U	0.001 U
Stoddard's Solvent	mg/kg	2.9	2200	14	3.3	7.6
BTEX						
Benzene	µg/kg	5 U	270 U	13000 U	5 U	5 U
Toluene	µg/kg	5 U	28000	30000	5 U	11
Ethylbenzene	µg/kg	5 U	14000	100000	5 U	5 U
Xylene (total)	µg/kg	9	61000	820000	5 U	6
Alkylated Benzenes						
Styrene	µg/kg	5 U	270 U	13000 U	5 U	5 U
Glycols & Alcohols						
Diethylene glycol	mg/kg	0.005 U	10	11	0.013	0.005 U
Ethylene glycol	mg/kg	0.005 U	12	10 U	0.005 U	0.005 U
Propylene glycol	mg/kg	0.012	10 U	10 U	0.005 U	0.005 U

	Event	**Hart Crowser's Pre-RI UST Investigation**				
	Location	15/16N	21-C	25-S	5/6N	7/8S
	SampleID	**15/16N**	**21-C**	**25-S**	**5/6N**	**7/8S**
	Depth (bgs)	10 - 12 ft	10 - 12 ft	10 - 12 ft	10 - 12 ft	10 - 12 ft
	Sample Date	09/19/1990	08/31/1990	08/31/1990	09/19/1990	09/19/1990
Glycols & Alcohols						
Ethanol	µg/kg	1 U			1 U	1 U
Methanol	µg/kg	1 U			1 U	1 U

	Event	Hart Crowser's Pre-RI UST Investigation				
	Location	B-02	B-03	B-05	B-05	B-06
	SampleID	**B-2/S-3**	**B-3/S-3**	**B5-S2**	**B5-S17**	**B6-S11**
	Depth (bgs)	10 - 11.5 ft	10.25 - 11.75 ft	5 - 6.5 ft	42.5 - 44 ft	27.5 - 29 ft
	Sample Date	05/11/1990	05/11/1990	09/27/1990	09/27/1990	09/26/1990
Volatile Organic Compounds						
Tetrachloroethene	µg/kg	1900000	2600000	4	2 U	92
Trichloroethene	µg/kg	7700	24000 U	2 U	2 U	8
1,2-Dichloroethene (total)	µg/kg	1300		2 U	2 U	2 U
cis-1,2-Dichloroethene	µg/kg		47000 U	2 U	2 U	2 U
trans-1,2-Dichloroethene	µg/kg		47000 U	2 U	2 U	2 U
1,1-Dichloroethene	µg/kg	120 U	47000 U	2 U	2 U	2 U
Vinyl chloride	µg/kg	360 U	70000 U	2 U	2 U	2 U
1,1,1-Trichloroethane	µg/kg	170 U	24000 U	2 U	2 U	2 U
1,1,2,2-Tetrachloroethane	µg/kg	240 U	24000 U	5 U	5 U	6 U
1,1,2-Trichloroethane	µg/kg	120 U	24000 U	2 U	2 U	2 U
1,1-Dichloroethane	µg/kg	120 U	24000 U	2 U	2 U	2 U
Chloroethane	µg/kg	360 U	70000 U	5 U	5 U	6 U
Acetone	µg/kg	260 JB	38000 JB	12	28	30
Dichloromethane	µg/kg	190 JB	38000 JB	2 U	2	2
1,2-Dichloroethane	µg/kg	240 U	24000 U	2 U	2 U	2 U
1,2-Dichloropropane	µg/kg	120 U	24000 U	2 U	2 U	2 U
2-Chloroethyl vinyl ether	µg/kg	240 U	24000 U			
2-Hexanone	µg/kg	240 U	94000 U	5 U	5 U	6 U
Bromodichloromethane	µg/kg	120 U	24000 U	2 U	2 U	2 U
Bromoform	µg/kg	360 U	24000 U	2 U	2 U	2 U
Bromomethane	µg/kg	240 U	70000 U	2 U	2 U	2 U
Carbon disulfide	µg/kg	240 U	47000 U	2 U	2 U	2 U
Carbon tetrachloride	µg/kg	240 U	24000 U	2 U	2 U	2 U
Chlorobenzene	µg/kg	120 U	24000 U	5 U	5 U	6 U
Chloroform	µg/kg	120 U	24000 U	2 U	2 U	2 U
Chloromethane	µg/kg	240 U	120000 U	2 U	2 U	2 U
cis-1,3-Dichloropropene	µg/kg	120 U	24000 U	5 U	5 U	6 U
Dibromochloromethane	µg/kg	120 U	24000 U	5 U	5 U	6 U
Methyl ethyl ketone	µg/kg	900 U	180000 U	5 U	5 U	6 U
Methyl iso butyl ketone	µg/kg	240 U	47000 U	5 U	5 U	6 U
trans-1,3-Dichloropropene	µg/kg	240 U	24000 U	5 U	5 U	6 U
Trichlorofluoromethane	µg/kg	240 U	120000 U			
Vinyl acetate	µg/kg	240 U	24000 U	2 U	2 U	2 U
Total Petroleum Hydrocarbons						
Gasoline	mg/kg	6500	2600			
BTEX						
Benzene	µg/kg	170	24000 U	2 U	2 U	2 U
Toluene	µg/kg	40000	24000 U	2 U	2 U	2 U
Ethylbenzene	µg/kg		24000 U	2 U	2 U	2 U
Xylene (total)	µg/kg	270000	13000 J	2 U	2 U	2 U
Alkylated Benzenes						
Styrene	µg/kg	120 U	24000 U	2 U	2 U	2 U
Conventionals						
Total Solids	%			86.6	79.8	80.1

	Event	Hart Crowser's Pre-RI UST Investigation				
	Location	B-07	B-07	B-08	B-09	B-09
	SampleID	**B7/S3**	**B-7/S7B**	**B8-S7**	**B9-S6**	**B9-S10**
	Depth (bgs)	7.5 - 9 ft	16.5 - 17.5 ft	17.5 - 19 ft	15 - 16.5 ft	25 - 26.5 ft
	Sample Date	10/12/1990	10/08/1990	09/26/1990	09/29/1990	09/29/1990
Volatile Organic Compounds						
Tetrachloroethene	µg/kg	1500000	110000	58	8400	2 U
Trichloroethene	µg/kg	980000	50 U	14	300	2 U
1,2-Dichloroethene (total)	µg/kg			20	46	2 U
cis-1,2-Dichloroethene	µg/kg			20	46	2 U
trans-1,2-Dichloroethene	µg/kg	50 U	50 U	6 U	2 U	2 U
1,1-Dichloroethene	µg/kg	50 U	50 U	6 U	2 U	2 U
Vinyl chloride	µg/kg			6 U	2 U	2 U
1,1,1-Trichloroethane	µg/kg	120000	50 U	6 U	2 U	2 U
1,1,2,2-Tetrachloroethane	µg/kg	200 U	200 U	19 U	5 U	5 U
1,1,2-Trichloroethane	µg/kg	50 U	50 U	6 U	2 U	2 U
1,1-Dichloroethane	µg/kg	50 U	50 U	6 U	2 U	2 U
Chloroethane	µg/kg			19 U	5 U	5 U
Acetone	µg/kg			26000	29	30
Dichloromethane	µg/kg	50 U	50 U	110	2	2
1,2-Dichloroethane	µg/kg	200 U	200 U	6 U	97	2 U
1,2-Dichloropropane	µg/kg	50 U	50 U	6 U	17	2 U
1,3-Dichloropropene	µg/kg	200 U	200 U			
2-Hexanone	µg/kg			19 U	5 U	5 U
Bromodichloromethane	µg/kg	200 U	200 U	6 U	2 U	2 U
Bromoform	µg/kg	200 U	200 U	6 U	2 U	2 U
Bromomethane	µg/kg			6 U	2 U	2 U
Carbon disulfide	µg/kg			6 U	2 U	2 U
Carbon tetrachloride	µg/kg	50 U	50 U	6 U	2 U	2 U
Chlorobenzene	µg/kg	50 U	50 U	19 U	5 U	5 U
Chloroform	µg/kg	50 U	50 U	6 U	2 U	2 U
Chloromethane	µg/kg			6 U	2 U	2 U
cis-1,3-Dichloropropene	µg/kg			19 U	5 U	5 U
Dibromochloromethane	µg/kg	200 U	200 U	19 U	5 U	5 U
Methyl ethyl ketone	µg/kg			21000	5 U	5 U
Methyl iso butyl ketone	µg/kg			1300	5 U	5 U
trans-1,3-Dichloropropene	µg/kg			19 U	5 U	5 U
Trichlorofluoromethane	µg/kg	50 U	50 U			
Vinyl acetate	µg/kg			6 U	2 U	2 U
Total Petroleum Hydrocarbons						
Diesel #2	mg/kg	25 U	25 U			
Fuel Oil #6	mg/kg	25 U	25 U			
Motor Oil	mg/kg	25 U	25 U			
Light Hydrocarbons	mg/kg	14	310			
Kerosene	mg/kg	25 U	25 U			
BTEX						
Benzene	µg/kg	50 U	50 U	6 U	2 U	2 U
Toluene	µg/kg	630000	21000	6 U	2 U	2 U
Ethylbenzene	µg/kg	90000	5600	6 U	2	2 U
Xylene (total)	µg/kg	570000	20000	16	2 U	2 U
Alkylated Benzenes						
Styrene	µg/kg			6 U	2 U	2 U
Conventionals						
Total Solids	%			80.9	80.5	86.3

	Event	Hart Crowser's Pre-RI UST Investigation				
	Location	B-09	B-10	B-11	B-11	B-12
	SampleID	**B9-S17**	**B10A/S1**	**B-11/S2**	**B11/S4**	**B12/S1**
	Depth (bgs)	42.5 - 44 ft	7.5 - 9 ft	5 - 6.5 ft	10 - 11.5 ft	2.5 - 4 ft
	Sample Date	09/29/1990	10/12/1990	10/08/1990	10/12/1990	10/12/1990
Volatile Organic Compounds						
Tetrachloroethene	µg/kg	2 U	1400	1 U	50000	160000
Trichloroethene	µg/kg	2 U	50 U	1 U	3400	50 U
1,2-Dichloroethene (total)	µg/kg	2 U				
cis-1,2-Dichloroethene	µg/kg	2 U				
trans-1,2-Dichloroethene	µg/kg	2 U	50 U	1 U	50 U	50 U
1,1-Dichloroethene	µg/kg	2 U	50 U	1 U	50 U	50 U
Vinyl chloride	µg/kg	2 U				
1,1,1-Trichloroethane	µg/kg	2 U	50 U	1 U	50 U	50 U
1,1,2,2-Tetrachloroethane	µg/kg	6 U	200 U	5 U	200 U	200 U
1,1,2-Trichloroethane	µg/kg	2 U	50 U	1 U	50 U	50 U
1,1-Dichloroethane	µg/kg	2 U	50 U	1 U	50 U	50 U
Chloroethane	µg/kg	6 U				
Acetone	µg/kg	29				
Dichloromethane	µg/kg	2	50 U	1 U	50 U	50 U
1,2-Dichloroethane	µg/kg	2 U	200 U	5 U	200 U	200 U
1,2-Dichloropropane	µg/kg	2 U	50 U	1 U	50 U	50 U
1,3-Dichloropropene	µg/kg		200 U	5 U	200 U	200 U
2-Hexanone	µg/kg	6 U				
Bromodichloromethane	µg/kg	2 U	200 U	5 U	200 U	200 U
Bromoform	µg/kg	2 U	200 U	5 U	200 U	200 U
Bromomethane	µg/kg	2 U				
Carbon disulfide	µg/kg	2 U				
Carbon tetrachloride	µg/kg	2 U	50 U	1 U	50 U	50 U
Chlorobenzene	µg/kg	6 U	50 U	1 U	50 U	50 U
Chloroform	µg/kg	2 U	50 U	1 U	50 U	50 U
Chloromethane	µg/kg	2 U				
cis-1,3-Dichloropropene	µg/kg	6 U				
Dibromochloromethane	µg/kg	6 U	200 U	5 U	200 U	200 U
Methyl ethyl ketone	µg/kg	6 U				
Methyl iso butyl ketone	µg/kg	6 U				
trans-1,3-Dichloropropene	µg/kg	6 U				
Trichlorofluoromethane	µg/kg		50 U	1 U	50 U	50 U
Vinyl acetate	µg/kg	2 U				
Total Petroleum Hydrocarbons						
Diesel #2	mg/kg		25 U	25 U	25 U	25 U
Fuel Oil #6	mg/kg		25 U	25 U	25 U	25 U
Motor Oil	mg/kg		25 U	25 U	25 U	25 U
Light Hydrocarbons	mg/kg		25 U	25 U	25 U	25 U
Kerosene	mg/kg		25 U	25 U	25 U	25 U
BTEX						
Benzene	µg/kg	2 U	50 U	1 U	50 U	50 U
Toluene	µg/kg	2 U	280	1 U	1800	50 U
Ethylbenzene	µg/kg	2 U	50 U	1 U	50 U	50 U
Xylene (total)	µg/kg	2 U	1900	1 U	780	50 U
Alkylated Benzenes						
Styrene	µg/kg	2 U				
Conventionals						
Total Solids	%	77.8				

	Event	Hart Crowser's Pre-RI UST Investigation				
	Location	B-13	B-13	B-14	B-15	B-15
	SampleID	**B13/S2**	**S-4B-13**	**B14/S3**	**B-15/S1**	**B-15/S3**
	Depth (bgs)	5 - 6.5 ft	10 - 11.5 ft	11.5 - 13 ft	2.5 - 4 ft	12.5 - 14 ft
	Sample Date	10/12/1990	10/09/1990	10/12/1990	01/23/1991	01/23/1991
Volatile Organic Compounds						
Tetrachloroethene	µg/kg	1000	8	640	300000	10
Trichloroethene	µg/kg	50 U	2 U	50 U	3200 U	2 U
1,2-Dichloroethene (total)	µg/kg		2 U		3200 U	2 U
cis-1,2-Dichloroethene	µg/kg		2 U			
trans-1,2-Dichloroethene	µg/kg	50 U	2 U	50 U		
1,1-Dichloroethene	µg/kg	50 U	2 U	50 U	3200 U	2 U
Vinyl chloride	µg/kg		2 U		3200 U	2 U
1,1,1-Trichloroethane	µg/kg	50 U	2 U	50 U	3200 U	2 U
1,1,2,2-Tetrachloroethane	µg/kg	200 U	5 U	200 U	9600 U	5 U
1,1,2-Trichloroethane	µg/kg	50 U	2 U	50 U	3200 U	2 U
1,1-Dichloroethane	µg/kg	50 U	2 U	50 U	3200 U	2 U
Chloroethane	µg/kg		5 U		9600 U	5 U
Acetone	µg/kg		100		35000 U	240
Dichloromethane	µg/kg	50 U	3	50 U	4200	5
1,2,4-Trichlorobenzene	µg/kg				30 U	30 U
1,2-Dichlorobenzene	µg/kg				30 U	30 U
1,2-Dichloroethane	µg/kg	200 U	2 U	200 U	3200 U	2 U
1,2-Dichloropropane	µg/kg	50 U	2 U	50 U	3200 U	2 U
1,3-Dichlorobenzene	µg/kg				30 U	30 U
1,3-Dichloropropene	µg/kg	200 U		200 U		
1,4-Dichlorobenzene	µg/kg				30 U	30 U
2-Hexanone	µg/kg		5 U		9600 U	5 U
Bromodichloromethane	µg/kg	200 U	2 U	200 U	3200 U	2 U
Bromoform	µg/kg	200 U	2 U	200 U	3200 U	2 U
Bromomethane	µg/kg		2 U		3200 U	2 U
Carbon disulfide	µg/kg		2 U		3200 U	2 U
Carbon tetrachloride	µg/kg	50 U	2 U	50 U	3200 U	2 U
Chlorobenzene	µg/kg	50 U	5 U	50 U	9600 U	5 U
Chloroform	µg/kg	50 U	2 U	50 U	3200 U	2 U
Chloromethane	µg/kg		2 U		3200 U	2 U
cis-1,3-Dichloropropene	µg/kg		5 U		9600 U	5 U
Dibromochloromethane	µg/kg	200 U	5 U	200 U	3200 U	2 U
Methyl ethyl ketone	µg/kg		5 U		9600 U	180
Methyl iso butyl ketone	µg/kg		5 U		9600 U	5 U
trans-1,3-Dichloropropene	µg/kg		5 U		9600 U	5 U
Trichlorofluoromethane	µg/kg	50 U		50 U		
Vinyl acetate	µg/kg		2 U		3200 U	2 U
Total Petroleum Hydrocarbons						
Diesel #2	mg/kg	25 U		25 U		
Fuel Oil #6	mg/kg	25 U		25 U		
Motor Oil	mg/kg	25 U		25 U		
Light Hydrocarbons	mg/kg	25 U		25 U		
Kerosene	mg/kg	25 U		25 U		
BTEX						
Benzene	µg/kg	50 U	2 U	50 U	3200 U	2 U
Toluene	µg/kg	50 U	2 U	50 U	3200 U	2 U
Ethylbenzene	µg/kg	50 U	2 U	50 U	13200 U	2 U
Xylene (total)	µg/kg	50 U	2 U	50 U	3900	7

	Event	Hart Crowser's Pre-RI UST Investigation				
	Location	B-13	B-13	B-14	B-15	B-15
	SampleID	**B13/S2**	**S-4B-13**	**B14/S3**	**B-15/S1**	**B-15/S3**
	Depth (bgs)	5 - 6.5 ft	10 - 11.5 ft	11.5 - 13 ft	2.5 - 4 ft	12.5 - 14 ft
	Sample Date	10/12/1990	10/09/1990	10/12/1990	01/23/1991	01/23/1991
Alkylated Benzenes						
Styrene	µg/kg		2 U		3200 U	2 U
Semivolatile Organic Compounds						
Benzo(a)anthracene	µg/kg				30 U	30 U
Benzo(a)pyrene	µg/kg				30 U	30 U
Benzo(g,h,i)perylene	µg/kg				30 U	30 U
Benzo(b)fluoranthene	µg/kg				30 U	30 U
Benzo(k)fluoranthene	µg/kg				30 U	30 U
Chrysene	µg/kg				30 U	30 U
Dibenzo(a,h)anthracene	µg/kg				30 U	30 U
Fluoranthene	µg/kg				30 U	30 U
Indeno(1,2,3-cd)pyrene	µg/kg				30 U	30 U
Pyrene	µg/kg				30 U	30 U
Acenaphthene	µg/kg				30 U	30 U
Acenaphthylene	µg/kg				30 U	30 U
Anthracene	µg/kg				30 U	30 U
Fluorene	µg/kg				30 U	30 U
Naphthalene	µg/kg				230	30 U
Phenanthrene	µg/kg				30 U	30 U
2-Methylnaphthalene	µg/kg				80	30 U
bis(2-ethylhexyl)phthalate	µg/kg				850	40 U
Di-n-butyl phthalate	µg/kg				30 U	30 U
Butyl benzyl phthalate	µg/kg				30 U	30 U
Diethylphthalate	µg/kg				30 U	30 U
Dimethyl phthalate	µg/kg				30 U	30 U
Di-n-octyl phthalate	µg/kg				30 U	30 U
Pentachlorophenol	µg/kg				6300	380 U
2,4-Dichlorophenol	µg/kg				70 U	70 U
2,4,5-Trichlorophenol	µg/kg				70 U	70 U
2,4,6-Trichlorophenol	µg/kg				70 U	70 U
2-Chlorophenol	µg/kg				30 U	30 U
2,4-Dimethylphenol	µg/kg				30 U	30 U
2,4-Dinitrophenol	µg/kg				390 U	380 U
2,4-Dinitrotoluene	µg/kg				70 U	70 U
2,6-Dinitrotoluene	µg/kg				70 U	70 U
2-Chloronaphthalene	µg/kg				30 U	30 U
2-Methylphenol	µg/kg				30 U	30 U
2-Nitroaniline	µg/kg				70 U	70 U
2-Nitrophenol	µg/kg				70 U	70 U
3,3'-Dichlorobenzidine	µg/kg				780 U	760 U
3-Nitroaniline	µg/kg				190 U	180 U
4,6-Dinitro-o-cresol	µg/kg				30 U	30 U
4-Bromophenyl phenyl ether	µg/kg				70 U	70 U
4-Chloro-3-methylphenol	µg/kg				70 U	70 U
4-Chloroaniline	µg/kg				30 U	30 U
4-Chlorophenyl phenyl ether	µg/kg				30 U	30 U
4-Nitroaniline	µg/kg				70 U	70 U
Aniline	µg/kg				20 U	190 U
Benzidine	µg/kg				990 U	950 U

	Event	Hart Crowser's Pre-RI UST Investigation				
	Location	B-13	B-13	B-14	B-15	B-15
	SampleID	**B13/S2**	**S-4B-13**	**B14/S3**	**B-15/S1**	**B-15/S3**
	Depth (bgs)	5 - 6.5 ft	10 - 11.5 ft	11.5 - 13 ft	2.5 - 4 ft	12.5 - 14 ft
	Sample Date	10/12/1990	10/09/1990	10/12/1990	01/23/1991	01/23/1991
Semivolatile Organic Compounds						
Benzoic acid	µg/kg				990 U	950 U
Benzyl alcohol	µg/kg				30 U	30 U
bis(2-chloroethoxy)methane	µg/kg				30 U	30 U
bis(2-chloroethyl)ether	µg/kg				30 U	30 U
bis(2-chloroisopropyl)ether	µg/kg				30 U	30 U
Dibenzofuran	µg/kg				30 U	30 U
Hexachlorobenzene	µg/kg				70 U	70 U
Hexachlorobutadiene	µg/kg				30 U	30 U
Hexachlorocyclopentadiene	µg/kg				70 U	70 U
Hexachloroethane	µg/kg				70 U	70 U
Isophorone	µg/kg				30 U	30 U
Nitrobenzene	µg/kg				30 U	30 U
N-Nitroso-di-n-propylamine	µg/kg				30 U	30 U
N-Nitrosodiphenylamine	µg/kg				30 U	30 U
Phenol	µg/kg				30 U	30 U
Metals						
Arsenic	mg/kg				5.6	0.05 U
Cadmium	mg/kg				2.6	1.4
Chromium	mg/kg				18	7
Copper	mg/kg				23	6
Lead	mg/kg				12	10 U
Mercury	mg/kg				0.2	0.1
Nickel	mg/kg				18	3
Zinc	mg/kg				45	16
Conventionals						
Total Solids	%		82.9			

	Event	Hart Crowser's Pre-RI UST Investigation				
	Location	B-15	B-16	B-16	B-16	B-17
	SampleID	**B-15/S5**	**B-16/S2**	**B-16/S6**	**B-16/S7**	**B-17/S1**
	Depth (bgs)	17 - 18 ft	9 - 10.5 ft	15 - 16 ft	15 - 16.5 ft	17.5 - 19 ft
	Sample Date	01/24/1991	08/16/1991	08/16/1991	08/16/1991	08/19/1991
Volatile Organic Compounds						
Tetrachloroethene	µg/kg	20	4500	50 U	730	50 U
Trichloroethene	µg/kg	3	50 U	50 U	50 U	50 U
1,2-Dichloroethene (total)	µg/kg	110	50 U	50 U	2100	300
1,1-Dichloroethene	µg/kg	2 U	50 U	50 U	50 U	50 U
Vinyl chloride	µg/kg	2 U	50 U	50 U	50 U	50 U
1,1,1-Trichloroethane	µg/kg	2 U	50 U	50 U	50 U	50 U
1,1,2,2-Tetrachloroethane	µg/kg	7 U	50 U	50 U	50 U	50 U
1,1,2-Trichloroethane	µg/kg	2 U	50 U	50 U	50 U	50 U
1,1-Dichloroethane	µg/kg	2 U	50 U	50 U	50 U	50 U
Chloroethane	µg/kg	7 U	50 U	50 U	50 U	50 U
Acetone	µg/kg	40	2000 U	2300 U	2500 U	1000 U
Dichloromethane	µg/kg	5	1400 U	2300 U	2200 U	1200 U
1,2,4-Trichlorobenzene	µg/kg	50 U	170 U		170 U	170 U
1,2-Dichlorobenzene	µg/kg	50 U	170 U		170 U	170 U
1,2-Dichloroethane	µg/kg	2 U	50 U	50 U	50 U	50 U
1,2-Dichloropropane	µg/kg	2 U	50 U	50 U	50 U	50 U
1,3-Dichlorobenzene	µg/kg	50 U	170 U		170 U	170 U
1,4-Dichlorobenzene	µg/kg	50 U	170 U		170 U	170 U
2-Hexanone	µg/kg	7 U	500 U	500 U	500 U	500 U
Bromodichloromethane	µg/kg	2 U	50 U	50 U	50 U	50 U
Bromoform	µg/kg	2 U	250 U	250 U	250 U	250 U
Bromomethane	µg/kg	2 U	500 U	500 U	500 U	500 U
Carbon disulfide	µg/kg	2 U	50 U	50 U	50 U	50 U
Carbon tetrachloride	µg/kg	2 U	50 U	50 U	50 U	50 U
Chlorobenzene	µg/kg	7 U	50 U	50 U	50 U	50 U
Chloroform	µg/kg	2 U	50 U	50 U	50 U	50 U
Chloromethane	µg/kg	2 U	500 U	500 U	500 U	500 U
cis-1,3-Dichloropropene	µg/kg	7 U	50 U	50 U	50 U	50 U
Dibromochloromethane	µg/kg	2 U	50 U	50 U	50 U	50 U
Methyl ethyl ketone	µg/kg	20	500 U	500 U	500 U	500 U
Methyl iso butyl ketone	µg/kg	7 U	500 U	500 U	500 U	500 U
trans-1,3-Dichloropropene	µg/kg	7 U	50 U	50 U	50 U	50 U
Vinyl acetate	µg/kg	2 U	500 U	500 U	500 U	500 U
BTEX						
Benzene	µg/kg	2 U	50 U	50 U	50 U	50 U
Toluene	µg/kg	30	50 U	50 U	50 U	50 U
Ethylbenzene	µg/kg	2 U	530	400	540	290
Xylene (total)	µg/kg	9	1900	150	200	370
Alkylated Benzenes						
Styrene	µg/kg	2 U	50 U	50 U	50 U	50 U
Semivolatile Organic Compounds						
Benzo(a)anthracene	µg/kg	50 U	170 U		170 U	170 U
Benzo(a)pyrene	µg/kg	50 U	170 U		170 U	170 U
Benzo(g,h,i)perylene	µg/kg	50 U	170 U		170 U	170 U
Benzo(b)fluoranthene	µg/kg	50 U	170 U		170 U	170 U
Benzo(k)fluoranthene	µg/kg	50 U	170 U		170 U	170 U
Chrysene	µg/kg	50 U	170 U		170 U	170 U
Dibenzo(a,h)anthracene	µg/kg	50 U	170 U		170 U	170 U

	Event	Hart Crowser's Pre-RI UST Investigation				
	Location	B-15	B-16	B-16	B-16	B-17
	SampleID	**B-15/S5**	**B-16/S2**	**B-16/S6**	**B-16/S7**	**B-17/S1**
	Depth (bgs)	17 - 18 ft	9 - 10.5 ft	15 - 16 ft	15 - 16.5 ft	17.5 - 19 ft
	Sample Date	01/24/1991	08/16/1991	08/16/1991	08/16/1991	08/19/1991
Semivolatile Organic Compounds						
Fluoranthene	µg/kg	50 U	170 U		170 U	170 U
Indeno(1,2,3-cd)pyrene	µg/kg	50 U	170 U		170 U	170 U
Pyrene	µg/kg	50 U	170 U		170 U	170 U
Acenaphthene	µg/kg	50 U	170 U		170 U	170 U
Acenaphthylene	µg/kg	50 U	170 U		170 U	170 U
Anthracene	µg/kg	50 U	170 U		170 U	170 U
Fluorene	µg/kg	50 U	170 U		170 U	170 U
Naphthalene	µg/kg	50 U	170 U		170 U	170 U
Phenanthrene	µg/kg	50 U	170 U		170 U	170 U
2-Methylnaphthalene	µg/kg	50 U	170 U		170 U	170 U
bis(2-ethylhexyl)phthalate	µg/kg	60 U	350		170 U	170 U
Di-n-butyl phthalate	µg/kg	50 U	170 U		170 U	170 U
Butyl benzyl phthalate	µg/kg	50 U	170 U		170 U	170 U
Diethylphthalate	µg/kg	50 U	170 U		170 U	170 U
Dimethyl phthalate	µg/kg	50 U	170 U		170 U	170 U
Di-n-octyl phthalate	µg/kg	50 U	170 U		170 U	170 U
Pentachlorophenol	µg/kg	7500	490		850 U	850 U
2,4-Dichlorophenol	µg/kg	90 U	170 U		170 U	170 U
2,4,5-Trichlorophenol	µg/kg	90 U	850 U		850 U	850 U
2,4,6-Trichlorophenol	µg/kg	90 U	170 U		170 U	170 U
2-Chlorophenol	µg/kg	50 U	170 U		170 U	170 U
2,4-Dimethylphenol	µg/kg	50 U	170 U		170 U	170 U
2,4-Dinitrophenol	µg/kg	500 U	850 U		850 U	850 U
2,4-Dinitrotoluene	µg/kg	90 U	170 U		170 U	170 U
2,6-Dinitrotoluene	µg/kg	90 U	170 U		170 U	170 U
2-Chloronaphthalene	µg/kg	50 U	170 U		170 U	170 U
2-Methylphenol	µg/kg	50 U	170 U		170 U	170 U
2-Nitroaniline	µg/kg	90 U	850 U		850 U	850 U
2-Nitrophenol	µg/kg	90 U	170 U		850 U	850 U
3,3'-Dichlorobenzidine	µg/kg	990 U	340 U		340 U	340 U
3-Nitroaniline	µg/kg	240 U	850 U		850 U	850 U
4,6-Dinitro-o-cresol	µg/kg	50 U	850 U		850 U	850 U
4-Bromophenyl phenyl ether	µg/kg	90 U	170 U		170 U	170 U
4-Chloro-3-methylphenol	µg/kg	90 U	170 U		170 U	170 U
4-Chloroaniline	µg/kg	50 U	170 U		170 U	170 U
4-Chlorophenyl phenyl ether	µg/kg	50 U	170 U		170 U	170 U
4-Nitroaniline	µg/kg	90 U	850 U		850 U	850 U
Aniline	µg/kg	250 U	170 U		170 U	170 U
Benzidine	µg/kg	1200 U	1700 U		1700 U	1700 U
Benzoic acid	µg/kg	1200 U	850 U		850 U	850 U
Benzyl alcohol	µg/kg	50 U	170 U		170 U	170 U
bis(2-chloroethoxy)methane	µg/kg	50 U	170 U		170 U	170 U
bis(2-chloroethyl)ether	µg/kg	50 U	170 U		170 U	170 U
bis(2-chloroisopropyl)ether	µg/kg	50 U	170 U		170 U	170 U
Dibenzofuran	µg/kg	50 U	170 U		170 U	170 U
Hexachlorobenzene	µg/kg	90 U	170 U		170 U	170 U
Hexachlorobutadiene	µg/kg	50 U	170 U		170 U	170 U
Hexachlorocyclopentadiene	µg/kg	90 U	170 U		170 U	170 U

	Event	Hart Crowser's Pre-RI UST Investigation				
	Location	B-15	B-16	B-16	B-16	B-17
	SampleID	**B-15/S5**	**B-16/S2**	**B-16/S6**	**B-16/S7**	**B-17/S1**
	Depth (bgs)	17 - 18 ft	9 - 10.5 ft	15 - 16 ft	15 - 16.5 ft	17.5 - 19 ft
	Sample Date	01/24/1991	08/16/1991	08/16/1991	08/16/1991	08/19/1991
Semivolatile Organic Compounds						
Hexachloroethane	µg/kg	90 U	170 U		170 U	170 U
Isophorone	µg/kg	50 U	170 U		170 U	170 U
Nitrobenzene	µg/kg	50 U	170 U		170 U	170 U
N-Nitrosodimethylamine	µg/kg		170 U		170 U	170 U
N-Nitroso-di-n-propylamine	µg/kg	50 U	170 U		170 U	170 U
N-Nitrosodiphenylamine	µg/kg	50 U	170 U		170 U	170 U
Phenol	µg/kg	50 U	170 U		170 U	170 U
Metals						
Arsenic	mg/kg	7.2	14		7.6	16
Cadmium	mg/kg	3.2	0.89		0.56	0.76
Chromium	mg/kg	20	18		7.3	10
Copper	mg/kg	29	16		8.5	15
Lead	mg/kg	10 U	9.8		1.2 U	2.1
Mercury	mg/kg	0.1	8.8		0.1 U	0.1 U
Nickel	mg/kg	19	8.1		4.1	10
Zinc	mg/kg	49	51		17	36

	Event	Hart Crowser's Pre-RI UST Investigation				
	Location	B-17	B-17	B-17	B-17	BOR G
	SampleID	**B-17/S2**	**B-17/S7**	**B-17/S6**	**B-17/S12**	**BOR G-1**
	Depth (bgs)	22.5 - 24 ft	37.5 - 39 ft	37.5 - 39 ft	46 - 47.5 ft	2.5 ft
	Sample Date	08/19/1991	08/19/1991	08/19/1991	08/19/1991	10/15/1991
Volatile Organic Compounds						
Tetrachloroethene	µg/kg	50 U	50 U	50 U	50 U	50 U
Trichloroethene	µg/kg	50 U	50 U	50 U	50 U	50 U
1,2-Dichloroethene (total)	µg/kg	50 U	50 U	50 U	50 U	50 U
1,1-Dichloroethene	µg/kg	50 U	50 U	50 U	50 U	50 U
Vinyl chloride	µg/kg	50 U	50 U	50 U	50 U	50 U
1,1,1-Trichloroethane	µg/kg	50 U	50 U	50 U	50 U	50 U
1,1,2,2-Tetrachloroethane	µg/kg	50 U	50 U	50 U	50 U	50 U
1,1,2-Trichloroethane	µg/kg	50 U	50 U	50 U	50 U	50 U
1,1-Dichloroethane	µg/kg	50 U	50 U	50 U	50 U	50 U
Chloroethane	µg/kg	50 U	50 U	50 U	50 U	50 U
Acetone	µg/kg	1000 U	1000 U	1000 U	1000 U	1000 U
Dichloromethane	µg/kg	890 U	1200 U	910 U	1400 U	660 U
1,2,4-Trichlorobenzene	µg/kg	170 U	170 U	170 U	170 U	170 U
1,2-Dichlorobenzene	µg/kg	170 U	170 U	170 U	170 U	170 U
1,2-Dichloroethane	µg/kg	50 U	50 U	50 U	50 U	50 U
1,2-Dichloropropane	µg/kg	50 U	50 U	50 U	50 U	50 U
1,3-Dichlorobenzene	µg/kg	170 U	170 U	170 U	170 U	170 U
1,4-Dichlorobenzene	µg/kg	170 U	170 U	170 U	170 U	170 U
2-Hexanone	µg/kg	500 U	500 U	500 U	500 U	500 U
Bromodichloromethane	µg/kg	50 U	50 U	50 U	50 U	50 U
Bromoform	µg/kg	250 U	250 U	250 U	250 U	250 U
Bromomethane	µg/kg	500 U	500 U	500 U	500 U	500 U
Carbon disulfide	µg/kg	50 U	50 U	50 U	50 U	50 U
Carbon tetrachloride	µg/kg	50 U	50 U	50 U	50 U	50 U
Chlorobenzene	µg/kg	50 U	50 U	50 U	50 U	50 U
Chloroform	µg/kg	50 U	50 U	50 U	50 U	50 U
Chloromethane	µg/kg	500 U	500 U	500 U	500 U	500 U
cis-1,3-Dichloropropene	µg/kg	50 U	50 U	50 U	50 U	50 U
Dibromochloromethane	µg/kg	50 U	50 U	50 U	50 U	50 U
Methyl ethyl ketone	µg/kg	500 U	500 U	500 U	500 U	500 U
Methyl iso butyl ketone	µg/kg	500 U	500 U	500 U	500 U	500 U
trans-1,3-Dichloropropene	µg/kg	50 U	50 U	50 U	50 U	50 U
Vinyl acetate	µg/kg	500 U	500 U	500 U	500 U	500 U
BTEX						
Benzene	µg/kg	50 U	50 U	50 U	50 U	50 U
Toluene	µg/kg	50 U	50 U	50 U	50 U	50 U
Ethylbenzene	µg/kg	50 U	50 U	50 U	50 U	50 U
Xylene (total)	µg/kg	50 U	50 U	50 U	50 U	50 U
Alkylated Benzenes						
Styrene	µg/kg	50 U	50 U	50 U	50 U	50 U
Semivolatile Organic Compounds						
Benzo(a)anthracene	µg/kg	170 U	170 U	170 U	170 U	170 U
Benzo(a)pyrene	µg/kg	170 U	170 U	170 U	170 U	170 U
Benzo(g,h,i)perylene	µg/kg	170 U	170 U	170 U	170 U	170 U
Benzo(b)fluoranthene	µg/kg	170 U	170 U	170 U	170 U	170 U
Benzo(k)fluoranthene	µg/kg	170 U	170 U	170 U	170 U	170 U
Chrysene	µg/kg	170 U	170 U	170 U	170 U	170 U
Dibenzo(a,h)anthracene	µg/kg	170 U	170 U	170 U	170 U	170 U

	Event	Hart Crowser's Pre-RI UST Investigation				
	Location	B-17	B-17	B-17	B-17	BOR G
	SampleID	**B-17/S2**	**B-17/S7**	**B-17/S6**	**B-17/S12**	**BOR G-1**
	Depth (bgs)	22.5 - 24 ft	37.5 - 39 ft	37.5 - 39 ft	46 - 47.5 ft	2.5 ft
	Sample Date	08/19/1991	08/19/1991	08/19/1991	08/19/1991	10/15/1991
Semivolatile Organic Compounds						
Fluoranthene	µg/kg	170 U	170 U	170 U	170 U	170 U
Indeno(1,2,3-cd)pyrene	µg/kg	170 U	170 U	170 U	170 U	170 U
Pyrene	µg/kg	170 U	170 U	170 U	170 U	170 U
Acenaphthene	µg/kg	170 U	170 U	170 U	170 U	170 U
Acenaphthylene	µg/kg	170 U	170 U	170 U	170 U	170 U
Anthracene	µg/kg	170 U	170 U	170 U	170 U	170 U
Fluorene	µg/kg	170 U	170 U	170 U	170 U	170 U
Naphthalene	µg/kg	170 U	170 U	170 U	170 U	170 U
Phenanthrene	µg/kg	170 U	170 U	170 U	170 U	170 U
2-Methylnaphthalene	µg/kg	170 U	170 U	170 U	170 U	170 U
bis(2-ethylhexyl)phthalate	µg/kg	170 U	170 U	170 U	170 U	170 U
Di-n-butyl phthalate	µg/kg	170 U	170 U	170 U	170 U	170 U
Butyl benzyl phthalate	µg/kg	170 U	170 U	170 U	170 U	170 U
Diethylphthalate	µg/kg	170 U	170 U	170 U	170 U	170 U
Dimethyl phthalate	µg/kg	170 U	170 U	170 U	170 U	170 U
Di-n-octyl phthalate	µg/kg	170 U	170 U	170 U	170 U	170 U
Pentachlorophenol	µg/kg	2 U	2 U	850 U	2 U	850 U
2,4-Dichlorophenol	µg/kg	170 U	170 U	170 U	170 U	170 U
2,4,5-Trichlorophenol	µg/kg	850 U	850 U	850 U	850 U	850 U
2,4,6-Trichlorophenol	µg/kg	170 U	170 U	170 U	170 U	170 U
2-Chlorophenol	µg/kg	170 U	170 U	170 U	170 U	170 U
2,4-Dimethylphenol	µg/kg	170 U	170 U	170 U	170 U	170 U
2,4-Dinitrophenol	µg/kg	850 U	850 U	850 U	850 U	850 U
2,4-Dinitrotoluene	µg/kg	170 U	170 U	170 U	170 U	170 U
2,6-Dinitrotoluene	µg/kg	170 U	170 U	170 U	170 U	170 U
2-Chloronaphthalene	µg/kg	170 U	170 U	170 U	170 U	170 U
2-Methylphenol	µg/kg	170 U	170 U	170 U	170 U	170 U
2-Nitroaniline	µg/kg	850 U	850 U	850 U	850 U	850 U
2-Nitrophenol	µg/kg	850 U	850 U	850 U	850 U	170 U
3,3'-Dichlorobenzidine	µg/kg	340 U	340 U	340 U	340 U	340 U
3-Nitroaniline	µg/kg	850 U	850 U	850 U	850 U	850 U
4,6-Dinitro-o-cresol	µg/kg	850 U	850 U	850 U	850 U	850 U
4-Bromophenyl phenyl ether	µg/kg	170 U	170 U	170 U	170 U	170 U
4-Chloro-3-methylphenol	µg/kg	170 U	170 U	170 U	170 U	170 U
4-Chloroaniline	µg/kg	170 U	170 U	170 U	170 U	170 U
4-Chlorophenyl phenyl ether	µg/kg	170 U	170 U	170 U	170 U	170 U
4-Nitroaniline	µg/kg	850 U	850 U	850 U	850 U	850 U
Aniline	µg/kg	170 U	170 U	170 U	170 U	170 U
Benzidine	µg/kg	1700 U	1700 U	1700 U	1700 U	1700 U
Benzoic acid	µg/kg	850 U	850 U	850 U	850 U	850 U
Benzyl alcohol	µg/kg	170 U	170 U	170 U	170 U	170 U
bis(2-chloroethoxy)methane	µg/kg	170 U	170 U	170 U	170 U	170 U
bis(2-chloroethyl)ether	µg/kg	170 U	170 U	170 U	170 U	170 U
bis(2-chloroisopropyl)ether	µg/kg	170 U	170 U	170 U	170 U	170 U
Dibenzofuran	µg/kg	170 U	170 U	170 U	170 U	170 U
Hexachlorobenzene	µg/kg	170 U	170 U	170 U	170 U	170 U
Hexachlorobutadiene	µg/kg	170 U	170 U	170 U	170 U	170 U
Hexachlorocyclopentadiene	µg/kg	170 U	170 U	170 U	170 U	170 U

	Event	Hart Crowser's Pre-RI UST Investigation				
	Location	B-17	B-17	B-17	B-17	BOR G
	SampleID	**B-17/S2**	**B-17/S7**	**B-17/S6**	**B-17/S12**	**BOR G-1**
	Depth (bgs)	22.5 - 24 ft	37.5 - 39 ft	37.5 - 39 ft	46 - 47.5 ft	2.5 ft
	Sample Date	08/19/1991	08/19/1991	08/19/1991	08/19/1991	10/15/1991
Semivolatile Organic Compounds						
Hexachloroethane	µg/kg	170 U	170 U	170 U	170 U	170 U
Isophorone	µg/kg	170 U	170 U	170 U	170 U	170 U
Nitrobenzene	µg/kg	170 U	170 U	170 U	170 U	170 U
N-Nitrosodimethylamine	µg/kg	170 U	170 U	170 U	170 U	170 U
N-Nitroso-di-n-propylamine	µg/kg	170 U	170 U	170 U	170 U	170 U
N-Nitrosodiphenylamine	µg/kg	170 U	170 U	170 U	170 U	170 U
Phenol	µg/kg	170 U	170 U	170 U	170 U	170 U
Metals						
Arsenic	mg/kg	6.6	5.8	6.6	5	
Cadmium	mg/kg	0.68	0.73	0.77	0.66	
Chromium	mg/kg	6.2	5.4	6	5.7	
Copper	mg/kg	5.3	6.8	6.8	6	
Lead	mg/kg	1.2	1.3	1.9	1.1 U	
Mercury	mg/kg	0.1 U	0.1 U	0.1 U	0.1 U	
Nickel	mg/kg	4.1	5.2	5.5	5	
Zinc	mg/kg	15	15	16	14	

	Event	Hart Crowser's Pre-RI UST Investigation				
	Location	BOR G	BOR G	BOR H	BOR H	BOR H
	SampleID	**BOR G-2**	**BOR G-3**	**BOR H-1**	**BOR H-2**	**BOR H-3**
	Depth (bgs)	5 ft	7.5 ft	2.5 ft	5 ft	7.5 ft
	Sample Date	10/15/1991	10/15/1991	10/15/1991	10/15/1991	10/15/1991
Volatile Organic Compounds						
Tetrachloroethene	µg/kg	50 U	70	400	50 U	50 U
Trichloroethene	µg/kg	50 U	50 U	50 U	50 U	50 U
1,2-Dichloroethene (total)	µg/kg	50 U	50 U	50 U	50 U	50 U
1,1-Dichloroethene	µg/kg	50 U	50 U	50 U	50 U	50 U
Vinyl chloride	µg/kg	50 U	50 U	50 U	50 U	50 U
1,1,1-Trichloroethane	µg/kg	50 U	50 U	50 U	50 U	50 U
1,1,2,2-Tetrachloroethane	µg/kg	50 U	50 U	50 U	50 U	50 U
1,1,2-Trichloroethane	µg/kg	50 U	50 U	50 U	50 U	50 U
1,1-Dichloroethane	µg/kg	50 U	50 U	50 U	50 U	50 U
Chloroethane	µg/kg	50 U	50 U	50 U	50 U	50 U
Acetone	µg/kg	1000 U	650 U	1000 U	1000 U	1000 U
Dichloromethane	µg/kg	710 U	810 U	800 U	550 U	390 U
1,2,4-Trichlorobenzene	µg/kg	170 U	170 U	170 U	170 U	170 U
1,2-Dichlorobenzene	µg/kg	170 U	170 U	170 U	170 U	170 U
1,2-Dichloroethane	µg/kg	50 U	50 U	50 U	50 U	50 U
1,2-Dichloropropane	µg/kg	50 U	50 U	50 U	50 U	50 U
1,3-Dichlorobenzene	µg/kg	170 U	170 U	170 U	170 U	170 U
1,4-Dichlorobenzene	µg/kg	170 U	170 U	170 U	170 U	170 U
2-Hexanone	µg/kg	500 U	500 U	500 U	500 U	500 U
Bromodichloromethane	µg/kg	50 U	50 U	50 U	50 U	50 U
Bromoform	µg/kg	250 U	250 U	250 U	250 U	250 U
Bromomethane	µg/kg	500 U	500 U	500 U	500 U	500 U
Carbon disulfide	µg/kg	50 U	50 U	50 U	50 U	50 U
Carbon tetrachloride	µg/kg	50 U	50 U	50 U	50 U	50 U
Chlorobenzene	µg/kg	50 U	50 U	50 U	50 U	50 U
Chloroform	µg/kg	50 U	50 U	50 U	50 U	50 U
Chloromethane	µg/kg	500 U	500 U	500 U	500 U	500 U
cis-1,3-Dichloropropene	µg/kg	50 U	50 U	50 U	50 U	50 U
Dibromochloromethane	µg/kg	50 U	50 U	50 U	50 U	50 U
Methyl ethyl ketone	µg/kg	500 U	500 U	500 U	500 U	500 U
Methyl iso butyl ketone	µg/kg	500 U	500 U	500 U	500 U	500 U
trans-1,3-Dichloropropene	µg/kg	50 U	50 U	50 U	50 U	50 U
Vinyl acetate	µg/kg	500 U	500 U	500 U	500 U	500 U
Total Petroleum Hydrocarbons						
Diesel #2	mg/kg					5 U
Gasoline	mg/kg					5 U
BTEX						
Benzene	µg/kg	50 U	50 U	50 U	50 U	50 U
Toluene	µg/kg	50 U	50 U	50 U	50 U	50 U
Ethylbenzene	µg/kg	50 U	50 U	50 U	50 U	50 U
Xylene (total)	µg/kg	50 U	50 U	50 U	50 U	50 U
Alkylated Benzenes						
Styrene	µg/kg	50 U	50 U	50 U	50 U	50 U
Semivolatile Organic Compounds						
Benzo(a)anthracene	µg/kg	170 U	170 U	170 U	170 U	170 U
Benzo(a)pyrene	µg/kg	170 U	170 U	170 U	170 U	170 U
Benzo(g,h,i)perylene	µg/kg	170 U	170 U	170 U	170 U	170 U
Benzo(b)fluoranthene	µg/kg	170 U	170 U	170 U	170 U	170 U

	Event	Hart Crowser's Pre-RI UST Investigation				
	Location	BOR G	BOR G	BOR H	BOR H	BOR H
	SampleID	**BOR G-2**	**BOR G-3**	**BOR H-1**	**BOR H-2**	**BOR H-3**
	Depth (bgs)	5 ft	7.5 ft	2.5 ft	5 ft	7.5 ft
	Sample Date	10/15/1991	10/15/1991	10/15/1991	10/15/1991	10/15/1991
Semivolatile Organic Compounds						
Benzo(k)fluoranthene	µg/kg	170 U	170 U	170 U	170 U	170 U
Chrysene	µg/kg	170 U	170 U	170 U	170 U	170 U
Dibenzo(a,h)anthracene	µg/kg	170 U	170 U	170 U	170 U	170 U
Fluoranthene	µg/kg	170 U	170 U	170 U	170 U	170 U
Indeno(1,2,3-cd)pyrene	µg/kg	170 U	170 U	170 U	170 U	170 U
Pyrene	µg/kg	170 U	170 U	170 U	170 U	170 U
Acenaphthene	µg/kg	170 U	170 U	170 U	170 U	170 U
Acenaphthylene	µg/kg	170 U	170 U	170 U	170 U	170 U
Anthracene	µg/kg	170 U	170 U	170 U	170 U	170 U
Fluorene	µg/kg	170 U	170 U	170 U	170 U	170 U
Naphthalene	µg/kg	170 U	170 U	170 U	170 U	170 U
Phenanthrene	µg/kg	170 U	170 U	170 U	170 U	170 U
2-Methylnaphthalene	µg/kg	170 U	170 U	170 U	170 U	170 U
bis(2-ethylhexyl)phthalate	µg/kg	170 U	180	170 U	170 U	170 U
Di-n-butyl phthalate	µg/kg	170 U	170 U	170 U	170 U	170 U
Butyl benzyl phthalate	µg/kg	170 U	170 U	170 U	170 U	170 U
Diethylphthalate	µg/kg	170 U	170 U	170 U	170 U	170 U
Dimethyl phthalate	µg/kg	170 U	170 U	170 U	170 U	170 U
Di-n-octyl phthalate	µg/kg	170 U	170 U	170 U	170 U	170 U
Pentachlorophenol	µg/kg	850 U	850 U	850 U	850 U	2 U
2,4-Dichlorophenol	µg/kg	170 U	170 U	170 U	170 U	170 U
2,4,5-Trichlorophenol	µg/kg	850 U	850 U	850 U	850 U	850 U
2,4,6-Trichlorophenol	µg/kg	170 U	170 U	170 U	170 U	170 U
2-Chlorophenol	µg/kg	170 U	170 U	170 U	170 U	170 U
2,4-Dimethylphenol	µg/kg	170 U	170 U	170 U	170 U	170 U
2,4-Dinitrophenol	µg/kg	850 U	850 U	850 U	850 U	850 U
2,4-Dinitrotoluene	µg/kg	170 U	170 U	170 U	170 U	170 U
2,6-Dinitrotoluene	µg/kg	170 U	170 U	170 U	170 U	170 U
2-Chloronaphthalene	µg/kg	170 U	170 U	170 U	170 U	170 U
2-Methylphenol	µg/kg	170 U	170 U	170 U	170 U	170 U
2-Nitroaniline	µg/kg	850 U	850 U	850 U	850 U	850 U
2-Nitrophenol	µg/kg	170 U	170 U	170 U	170 U	170 U
3,3'-Dichlorobenzidine	µg/kg	340 U	340 U	340 U	340 U	340 U
3-Nitroaniline	µg/kg	850 U	850 U	850 U	850 U	850 U
4,6-Dinitro-o-cresol	µg/kg	850 U	850 U	850 U	850 U	850 U
4-Bromophenyl phenyl ether	µg/kg	170 U	170 U	170 U	170 U	170 U
4-Chloro-3-methylphenol	µg/kg	170 U	170 U	170 U	170 U	170 U
4-Chloroaniline	µg/kg	170 U	170 U	170 U	170 U	170 U
4-Chlorophenyl phenyl ether	µg/kg	170 U	170 U	170 U	170 U	170 U
4-Nitroaniline	µg/kg	850 U	850 U	850 U	850 U	850 U
Aniline	µg/kg	170 U	170 U	170 U	170 U	170 U
Benzidine	µg/kg	1700 U	1700 U	1700 U	1700 U	1700 U
Benzoic acid	µg/kg	850 U	850 U	850 U	850 U	850 U
Benzyl alcohol	µg/kg	170 U	170 U	170 U	170 U	170 U
bis(2-chloroethoxy)methane	µg/kg	170 U	170 U	170 U	170 U	170 U
bis(2-chloroethyl)ether	µg/kg	170 U	170 U	170 U	170 U	170 U
bis(2-chloroisopropyl)ether	µg/kg	170 U	170 U	170 U	170 U	170 U
Dibenzofuran	µg/kg	170 U	170 U	170 U	170 U	170 U

	Event	Hart Crowser's Pre-RI UST Investigation				
	Location	BOR G	BOR G	BOR H	BOR H	BOR H
	SampleID	**BOR G-2**	**BOR G-3**	**BOR H-1**	**BOR H-2**	**BOR H-3**
	Depth (bgs)	5 ft	7.5 ft	2.5 ft	5 ft	7.5 ft
	Sample Date	10/15/1991	10/15/1991	10/15/1991	10/15/1991	10/15/1991
Semivolatile Organic Compounds						
Hexachlorobenzene	µg/kg	170 U	170 U	170 U	170 U	170 U
Hexachlorobutadiene	µg/kg	170 U	170 U	170 U	170 U	170 U
Hexachlorocyclopentadiene	µg/kg	170 U	170 U	170 U	170 U	170 U
Hexachloroethane	µg/kg	170 U	170 U	170 U	170 U	170 U
Isophorone	µg/kg	170 U	170 U	170 U	170 U	170 U
Nitrobenzene	µg/kg	170 U	170 U	170 U	170 U	170 U
N-Nitrosodimethylamine	µg/kg	170 U	170 U	170 U	170 U	170 U
N-Nitroso-di-n-propylamine	µg/kg	170 U	170 U	170 U	170 U	170 U
N-Nitrosodiphenylamine	µg/kg	170 U	170 U	170 U	170 U	170 U
Phenol	µg/kg	170 U	170 U	170 U	170 U	170 U
Metals						
Arsenic	mg/kg					1
Cadmium	mg/kg					1.4
Chromium	mg/kg					13.3
Copper	mg/kg					16.1
Lead	mg/kg					3.8
Mercury	mg/kg					0.25 U
Nickel	mg/kg					4.2
Zinc	mg/kg					28.5

	Event	Hart Crowser's Pre-RI UST Investigation				
	Location	COMP A	COMP B	COMP C	COMP D	COMP E
	SampleID	**COMP A**	**COMP B**	**COMP C**	**COMP D**	**COMP E**
	Depth (bgs)	0 - 1 ft	0 - 1 ft	0 - 1 ft	0 - 1 ft	0 - 1 ft
	Sample Date	10/15/1991	10/15/1991	10/15/1991	10/15/1991	10/15/1991
Volatile Organic Compounds						
Tetrachloroethene	µg/kg	320	340	360	420	50 U
Trichloroethene	µg/kg	90	50 U	50 U	50 U	50 U
1,2-Dichloroethene (total)	µg/kg	50 U	50 U	50 U	50 U	50 U
1,1-Dichloroethene	µg/kg	50 U	50 U	50 U	50 U	50 U
Vinyl chloride	µg/kg	50 U	50 U	50 U	50 U	50 U
1,1,1-Trichloroethane	µg/kg	50 U	50 U	50 U	50 U	50 U
1,1,2,2-Tetrachloroethane	µg/kg	50 U	50 U	50 U	50 U	50 U
1,1,2-Trichloroethane	µg/kg	50 U	50 U	50 U	50 U	50 U
1,1-Dichloroethane	µg/kg	50 U	50 U	50 U	50 U	50 U
Chloroethane	µg/kg	50 U	50 U	50 U	50 U	50 U
Acetone	µg/kg	1000 U	1000 U	1000 U	1000 U	1000 U
Dichloromethane	µg/kg	1000 U	1100 U	1000 U	1100 U	1700 U
1,2,4-Trichlorobenzene	µg/kg	330 U	330 U	170 U	170 U	170 U
1,2-Dichlorobenzene	µg/kg	330 U	330 U	170 U	170 U	170 U
1,2-Dichloroethane	µg/kg	50 U	50 U	50 U	50 U	50 U
1,2-Dichloropropane	µg/kg	50 U	50 U	50 U	50 U	50 U
1,3-Dichlorobenzene	µg/kg	330 U	330 U	170 U	170 U	170 U
1,4-Dichlorobenzene	µg/kg	330 U	330 U	170 U	170 U	170 U
2-Hexanone	µg/kg	500 U	500 U	500 U	500 U	500 U
Bromodichloromethane	µg/kg	50 U	50 U	50 U	50 U	50 U
Bromoform	µg/kg	250 U	250 U	250 U	250 U	250 U
Bromomethane	µg/kg	500 U	500 U	500 U	500 U	500 U
Carbon disulfide	µg/kg	50 U	50 U	50 U	50 U	50 U
Carbon tetrachloride	µg/kg	50 U	50 U	50 U	50 U	50 U
Chlorobenzene	µg/kg	50 U	50 U	50 U	50 U	50 U
Chloroform	µg/kg	50 U	50 U	50 U	50 U	50 U
Chloromethane	µg/kg	500 U	500 U	500 U	500 U	500 U
cis-1,3-Dichloropropene	µg/kg	50 U	50 U	50 U	50 U	50 U
Dibromochloromethane	µg/kg	50 U	50 U	50 U	50 U	50 U
Methyl ethyl ketone	µg/kg	500 U	500 U	500 U	500 U	500 U
Methyl iso butyl ketone	µg/kg	500 U	500 U	500 U	500 U	500 U
trans-1,3-Dichloropropene	µg/kg	50 U	50 U	50 U	50 U	50 U
Vinyl acetate	µg/kg	500 U	500 U	500 U	500 U	500 U
BTEX						
Benzene	µg/kg	50 U	50 U	50 U	50 U	50 U
Toluene	µg/kg	50 U	50 U	50 U	50 U	50 U
Ethylbenzene	µg/kg	50 U	50 U	50 U	50 U	50 U
Xylene (total)	µg/kg	50 U	50 U	50 U	50 U	50 U
Alkylated Benzenes						
Styrene	µg/kg	50 U	50 U	50 U	50 U	50 U
Semivolatile Organic Compounds						
Benzo(a)anthracene	µg/kg	220 J	330 U	170 U	170 U	170 U
Benzo(a)pyrene	µg/kg	330 U	330 U	170 U	170 U	170 U
Benzo(g,h,i)perylene	µg/kg	330 U	330 U	170 U	170 U	170 U
Benzo(b)fluoranthene	µg/kg	330 U	330 U	170 U	170 U	170 U
Benzo(k)fluoranthene	µg/kg	330 U	330 U	170 U	170 U	170 U
Chrysene	µg/kg	250 J	330 U	170 U	170 U	170 U
Dibenzo(a,h)anthracene	µg/kg	330 U	330 U	170 U	170 U	170 U

	Event	Hart Crowser's Pre-RI UST Investigation				
	Location	COMP A	COMP B	COMP C	COMP D	COMP E
	SampleID	**COMP A**	**COMP B**	**COMP C**	**COMP D**	**COMP E**
	Depth (bgs)	0 - 1 ft	0 - 1 ft	0 - 1 ft	0 - 1 ft	0 - 1 ft
	Sample Date	10/15/1991	10/15/1991	10/15/1991	10/15/1991	10/15/1991
Semivolatile Organic Compounds						
Fluoranthene	µg/kg	330 J	330 U	170 U	170 U	170 U
Indeno(1,2,3-cd)pyrene	µg/kg	330 U	330 U	170 U	170 U	170 U
Pyrene	µg/kg	330 J	330 U	170 U	170 U	170 U
Acenaphthene	µg/kg	330 U	330 U	170 U	170 U	170 U
Acenaphthylene	µg/kg	330 U	330 U	170 U	170 U	170 U
Anthracene	µg/kg	330 U	330 U	170 U	170 U	170 U
Fluorene	µg/kg	330 U	330 U	170 U	170 U	170 U
Naphthalene	µg/kg	330 U	330 U	170 U	170 U	170 U
Phenanthrene	µg/kg	330 U	330 U	170 U	170 U	170 U
2-Methylnaphthalene	µg/kg	330 U	330 U	170 U	170 U	170 U
bis(2-ethylhexyl)phthalate	µg/kg	1500	1500	170 J	190 J	170 U
Di-n-butyl phthalate	µg/kg	330 U	330 U	170 U	170 U	170 U
Butyl benzyl phthalate	µg/kg	330 U	330 U	170 U	170 U	170 U
Diethylphthalate	µg/kg	330 U	330 U	170 U	170 U	170 U
Dimethyl phthalate	µg/kg	330 U	330 U	170 U	170 U	170 U
Di-n-octyl phthalate	µg/kg	330 U	330 U	170 U	170 U	170 U
Pentachlorophenol	µg/kg	890 J	1700 U	850 U	850 U	850 U
2,4-Dichlorophenol	µg/kg	330 U	330 U	170 U	170 U	170 U
2,4,5-Trichlorophenol	µg/kg	1700 U	1700 U	850 U	850 U	850 U
2,4,6-Trichlorophenol	µg/kg	330 U	330 U	170 U	170 U	170 U
2-Chlorophenol	µg/kg	330 U	330 U	170 U	170 U	170 U
2,4-Dimethylphenol	µg/kg	330 U	330 U	170 U	170 U	170 U
2,4-Dinitrophenol	µg/kg	1700 U	1700 U	850 U	850 U	850 U
2,4-Dinitrotoluene	µg/kg	330 U	330 U	170 U	170 U	170 U
2,6-Dinitrotoluene	µg/kg	330 U	330 U	170 U	170 U	170 U
2-Chloronaphthalene	µg/kg	330 U	330 U	170 U	170 U	170 U
2-Methylphenol	µg/kg	330 U	330 U	170 U	170 U	170 U
2-Nitroaniline	µg/kg	1700 U	1700 U	850 U	850 U	850 U
2-Nitrophenol	µg/kg	330 U	330 U	170 U	170 U	170 U
3,3'-Dichlorobenzidine	µg/kg	680 U	680 U	340 U	340 U	340 U
3-Nitroaniline	µg/kg	1700 U	1700 U	850 U	850 U	850 U
4,6-Dinitro-o-cresol	µg/kg	1700 U	1700 U	850 U	850 U	850 U
4-Bromophenyl phenyl ether	µg/kg	330 U	330 U	170 U	170 U	170 U
4-Chloro-3-methylphenol	µg/kg	330 U	330 U	170 U	170 U	170 U
4-Chloroaniline	µg/kg	330 U	330 U	170 U	170 U	170 U
4-Chlorophenyl phenyl ether	µg/kg	330 U	330 U	170 U	170 U	170 U
4-Nitroaniline	µg/kg	1700 U	1700 U	850 U	850 U	850 U
Aniline	µg/kg	330 U	330 U	170 U	170 U	170 U
Benzidine	µg/kg	3300 U	3300 U	1700 U	1700 U	1700 U
Benzoic acid	µg/kg	1700 U	1700 U	850 U	850 U	850 U
Benzyl alcohol	µg/kg	330 U	330 U	170 U	170 U	170 U
bis(2-chloroethoxy)methane	µg/kg	330 U	330 U	170 U	170 U	170 U
bis(2-chloroethyl)ether	µg/kg	330 U	330 U	170 U	170 U	170 U
bis(2-chloroisopropyl)ether	µg/kg	330 U	330 U	170 U	170 U	170 U
Dibenzofuran	µg/kg	330 U	330 U	170 U	170 U	170 U
Hexachlorobenzene	µg/kg	330 U	330 U	170 U	170 U	170 U
Hexachlorobutadiene	µg/kg	330 U	330 U	170 U	170 U	170 U
Hexachlorocyclopentadiene	µg/kg	330 U	330 U	170 U	170 U	170 U

	Event	Hart Crowser's Pre-RI UST Investigation				
	Location	COMP A	COMP B	COMP C	COMP D	COMP E
	SampleID	**COMP A**	**COMP B**	**COMP C**	**COMP D**	**COMP E**
	Depth (bgs)	0 - 1 ft	0 - 1 ft	0 - 1 ft	0 - 1 ft	0 - 1 ft
	Sample Date	10/15/1991	10/15/1991	10/15/1991	10/15/1991	10/15/1991
Semivolatile Organic Compounds						
Hexachloroethane	µg/kg	330 U	330 U	170 U	170 U	170 U
Isophorone	µg/kg	330 U	330 U	170 U	170 U	170 U
Nitrobenzene	µg/kg	330 U	330 U	170 U	170 U	170 U
N-Nitrosodimethylamine	µg/kg	330 U	330 U	170 U	170 U	170 U
N-Nitroso-di-n-propylamine	µg/kg	330 U	330 U	170 U	170 U	170 U
N-Nitrosodiphenylamine	µg/kg	330 U	330 U	170 U	170 U	170 U
Phenol	µg/kg	330 U	330 U	170 U	170 U	170 U

	Event	**Hart Crowser's Pre-RI UST Investigation**				
	Location	COMP F	PT-1	SB1	SB-10	SB-10
	SampleID	**COMP F**	**PT-1**	**SB1/S3**	**SB-10/S1**	**SB-10/S3**
	Depth (bgs)	0 - 1 ft	0.5 - 1 ft	12.5 - 14 ft	2.5 - 4 ft	12.5 - 14 ft
	Sample Date	10/15/1991	09/24/1990	10/12/1990	01/24/1991	01/24/1991
Volatile Organic Compounds						
Tetrachloroethene	µg/kg	50 U	2500000	19200	18000000	900000
Trichloroethene	µg/kg	50 U	150000	50 U	940000	16000 U
1,2-Dichloroethene (total)	µg/kg	50 U			9800	16000 U
trans-1,2-Dichloroethene	µg/kg		50 U	50 U		
1,1-Dichloroethene	µg/kg	50 U	50 U	50 U	8900	16000 U
Vinyl chloride	µg/kg	50 U			370 U	16000 U
1,1,1-Trichloroethane	µg/kg	50 U	50 U	50 U	97000	16000 U
1,1,2,2-Tetrachloroethane	µg/kg	50 U	200 U	200 U	1100 U	47000 U
1,1,2-Trichloroethane	µg/kg	50 U	50 U	50 U	370 U	16000 U
1,1-Dichloroethane	µg/kg	50 U	50 U	50 U	2200	16000 U
Chloroethane	µg/kg	50 U			1100 U	47000 U
Acetone	µg/kg	1000 U			10000 U	79000 U
Dichloromethane	µg/kg	1300 U	50 U	50 U	34000	16000 U
1,2,4-Trichlorobenzene	µg/kg	170 U			870 U	40 U
1,2-Dichlorobenzene	µg/kg	170 U			870 U	1700
1,2-Dichloroethane	µg/kg	50 U	200 U	200 U	370 U	16000 U
1,2-Dichloropropane	µg/kg	50 U	50 U	50 U	370 U	16000 U
1,3-Dichlorobenzene	µg/kg	170 U			870 U	40 U
1,3-Dichloropropene	µg/kg		200 U	200 U		
1,4-Dichlorobenzene	µg/kg	170 U			870 U	710
2-Hexanone	µg/kg	500 U			1100 U	47000 U
Bromodichloromethane	µg/kg	50 U	200 U	200 U	370 U	16000 U
Bromoform	µg/kg	250 U	200 U	200 U	370 U	16000 U
Bromomethane	µg/kg	500 U			370 U	16000 U
Carbon disulfide	µg/kg	50 U			370 U	16000 U
Carbon tetrachloride	µg/kg	50 U	50 U	50 U	370 U	16000 U
Chlorobenzene	µg/kg	50 U	50 U	50 U	1100 U	47000 U
Chloroform	µg/kg	50 U	50 U	50 U	370 U	16000 U
Chloromethane	µg/kg	500 U			370 U	16000 U
cis-1,3-Dichloropropene	µg/kg	50 U			1100 U	47000 U
Dibromochloromethane	µg/kg	50 U	200 U	200 U	370 U	16000 U
Methyl ethyl ketone	µg/kg	500 U			4600	47000 U
Methyl iso butyl ketone	µg/kg	500 U			1100 U	47000 U
trans-1,3-Dichloropropene	µg/kg	50 U			1100 U	47000 U
Trichlorofluoromethane	µg/kg		50 U	50 U		
Vinyl acetate	µg/kg	500 U			370 U	16000 U
Total Petroleum Hydrocarbons						
Diesel #2	mg/kg			25 U		
Fuel Oil #6	mg/kg			25 U		
Motor Oil	mg/kg			25 U		
Light Hydrocarbons	mg/kg			400		
Kerosene	mg/kg			25 U		
BTEX						
Benzene	µg/kg	50 U	50 U	50 U	370 U	16000 U
Toluene	µg/kg	50 U	250000	500	370 U	46000
Ethylbenzene	µg/kg	50 U	41000	520	140000	16000 U
Xylene (total)	µg/kg	50 U	340000	3800	880000	47000
Alkylated Benzenes						

	Event	Hart Crowser's Pre-RI UST Investigation				
	Location	COMP F	PT-1	SB1	SB-10	SB-10
	SampleID	**COMP F**	**PT-1**	**SB1/S3**	**SB-10/S1**	**SB-10/S3**
	Depth (bgs)	0 - 1 ft	0.5 - 1 ft	12.5 - 14 ft	2.5 - 4 ft	12.5 - 14 ft
	Sample Date	10/15/1991	09/24/1990	10/12/1990	01/24/1991	01/24/1991
Alkylated Benzenes						
Styrene	µg/kg	50 U			200000	19000
Semivolatile Organic Compounds						
Benzo(a)anthracene	µg/kg	140 J			870 U	40 U
Benzo(a)pyrene	µg/kg	130 J			870 U	40 U
Benzo(g,h,i)perylene	µg/kg	170 U			870 U	40 U
Benzo(b)fluoranthene	µg/kg	170 U			870 U	40 U
Benzo(k)fluoranthene	µg/kg	170 U			870 U	40 U
Chrysene	µg/kg	140 J			870 U	40 U
Dibenzo(a,h)anthracene	µg/kg	170 U			870 U	40 U
Fluoranthene	µg/kg	420			870 U	40 U
Indeno(1,2,3-cd)pyrene	µg/kg	170 U			870 U	40 U
Pyrene	µg/kg	320			870 U	40 U
Acenaphthene	µg/kg	170 U			870 U	40 U
Acenaphthylene	µg/kg	170 U			870 U	40 U
Anthracene	µg/kg	170 U			870 U	40 U
Fluorene	µg/kg	170 U			870 U	40 U
Naphthalene	µg/kg	170 U			5900 J	860
Phenanthrene	µg/kg	480			870 U	40 U
2-Methylnaphthalene	µg/kg	170 U			1900 J	300
bis(2-ethylhexyl)phthalate	µg/kg	300 U			140000 J	25000
Di-n-butyl phthalate	µg/kg	170 U			200000 J	40000 U
Butyl benzyl phthalate	µg/kg	170 U			4100 J	420
Diethylphthalate	µg/kg	170 U			870 U	40 U
Dimethyl phthalate	µg/kg	170 U			870 U	40 U
Di-n-octyl phthalate	µg/kg	170 U			870 U	40 U
Pentachlorophenol	µg/kg	850 U			29000 J	10000
2,4-Dichlorophenol	µg/kg	170 U				70 U
2,4,5-Trichlorophenol	µg/kg	850 U				70 U
2,4,6-Trichlorophenol	µg/kg	170 U				70 U
2-Chlorophenol	µg/kg	170 U				40 U
2,4-Dimethylphenol	µg/kg	170 U				40 U
2,4-Dinitrophenol	µg/kg	850 U				400 U
2,4-Dinitrotoluene	µg/kg	170 U			1700 U	70 U
2,6-Dinitrotoluene	µg/kg	170 U			1700 U	70 U
2-Chloronaphthalene	µg/kg	170 U			870 U	40 U
2-Methylphenol	µg/kg	170 U				40 U
2-Nitroaniline	µg/kg	850 U			1700 U	70 U
2-Nitrophenol	µg/kg	170 U				70 U
3,3'-Dichlorobenzidine	µg/kg	340 U			17000 U	790 U
3-Nitroaniline	µg/kg	850 U			4200 U	190 U
4,6-Dinitro-o-cresol	µg/kg	850 U				40 U
4-Bromophenyl phenyl ether	µg/kg	170 U			1700 U	70 U
4-Chloro-3-methylphenol	µg/kg	170 U				70 U
4-Chloroaniline	µg/kg	170 U			870 U	40 U
4-Chlorophenyl phenyl ether	µg/kg	170 U			870 U	40 U
4-Nitroaniline	µg/kg	850 U			1700 U	70 U
Aniline	µg/kg	170 U			4400 U	200 U
Benzidine	µg/kg	1700 U			22000 U	1000 U

	Event	Hart Crowser's Pre-RI UST Investigation				
	Location	COMP F	PT-1	SB1	SB-10	SB-10
	SampleID	**COMP F**	**PT-1**	**SB1/S3**	**SB-10/S1**	**SB-10/S3**
	Depth (bgs)	0 - 1 ft	0.5 - 1 ft	12.5 - 14 ft	2.5 - 4 ft	12.5 - 14 ft
	Sample Date	10/15/1991	09/24/1990	10/12/1990	01/24/1991	01/24/1991
Semivolatile Organic Compounds						
Benzoic acid	µg/kg	850 U				1000 U
Benzyl alcohol	µg/kg	170 U			870 U	40 U
bis(2-chloroethoxy)methane	µg/kg	170 U			870 U	40 U
bis(2-chloroethyl)ether	µg/kg	170 U			870 U	40 U
bis(2-chloroisopropyl)ether	µg/kg	170 U			870 U	40 U
Dibenzofuran	µg/kg	170 U			870 U	40 U
Hexachlorobenzene	µg/kg	170 U			1700 U	70 U
Hexachlorobutadiene	µg/kg	170 U			870 U	40 U
Hexachlorocyclopentadiene	µg/kg	170 U			1700 U	70 U
Hexachloroethane	µg/kg	170 U			1700 U	70 U
Isophorone	µg/kg	170 U			870 U	40 U
Nitrobenzene	µg/kg	170 U			870 U	40 U
N-Nitrosodimethylamine	µg/kg	170 U				
N-Nitroso-di-n-propylamine	µg/kg	170 U			870 U	40 U
N-Nitrosodiphenylamine	µg/kg	170 U			870 U	40 U
Phenol	µg/kg	170 U				40 U
Metals						
Arsenic	mg/kg				9.4	1.2
Cadmium	mg/kg				4.3	1.4
Chromium	mg/kg				15	10
Copper	mg/kg				52	7
Lead	mg/kg				75	10 U
Mercury	mg/kg				0.9	0.1
Nickel	mg/kg				11	5
Zinc	mg/kg				200	20

	Event	Hart Crowser's Pre-RI UST Investigation				
	Location	SB-10	SB-11	SB-11	SB-11	SB-12
	SampleID	**SB-10/S6**	**SB-11/S1**	**SB-11/S2**	**SB-11/S5**	**SB-12/S1**
	Depth (bgs)	17 - 18.5 ft	2.5 - 4 ft	7.5 - 9 ft	13 - 14.5 ft	2.5 - 4 ft
	Sample Date	01/24/1991	01/24/1991	01/24/1991	01/24/1991	01/24/1991
Volatile Organic Compounds						
Tetrachloroethene	µg/kg	15000000	5000	1700	7700	50
Trichloroethene	µg/kg	1100000	920	130 U	370	470
1,2-Dichloroethene (total)	µg/kg	17000 U	780	130 U	220	880
1,1-Dichloroethene	µg/kg	17000 U	350 U	130 U	170 U	2 U
Vinyl chloride	µg/kg	17000 U	350 U	130 U	170 U	2 U
1,1,1-Trichloroethane	µg/kg	42000	350 U	130 U	10 U	30
1,1,2,2-Tetrachloroethane	µg/kg	50000 U	1100 U	400 U	510 U	6 U
1,1,2-Trichloroethane	µg/kg	17000 U	350 U	130 U	170 U	2 U
1,1-Dichloroethane	µg/kg	17000 U	350 U	130 U	170 U	10
Chloroethane	µg/kg	50000 U	1100 U	400 U	510 U	6 U
Acetone	µg/kg	84000 U	1800 U	1400 U	4800 U	10
Dichloromethane	µg/kg	22000	350	130 U	960	50
1,2,4-Trichlorobenzene	µg/kg	820 U	40 U	30 U	40 U	40 U
1,2-Dichlorobenzene	µg/kg	18000 J	40 U	30 U	30 J	40 U
1,2-Dichloroethane	µg/kg	17000 U	350 U	130 U	170 U	2 U
1,2-Dichloropropane	µg/kg	17000 U	350 U	130 U	170 U	2 U
1,3-Dichlorobenzene	µg/kg	1100 J	40 U	30 U	40 U	40 U
1,4-Dichlorobenzene	µg/kg	5900 J	40 U	30 U	40 U	40 U
2-Hexanone	µg/kg	50000 U	1100 U	400 U	510 U	6 U
Bromodichloromethane	µg/kg	17000 U	350 U	130 U	170 U	2 U
Bromoform	µg/kg	17000 U	350 U	130 U	170 U	2 U
Bromomethane	µg/kg	17000 U	350 U	130 U	170 U	2 U
Carbon disulfide	µg/kg	17000 U	350 U	130 U	170 U	2 U
Carbon tetrachloride	µg/kg	17000 U	350 U	130 U	170 U	2 U
Chlorobenzene	µg/kg	50000 U	1100 U	400 U	510 U	6 U
Chloroform	µg/kg	17000 U	350 U	130 U	170 U	2 U
Chloromethane	µg/kg	17000 U	350 U	130 U	170 U	2 U
cis-1,3-Dichloropropene	µg/kg	50000 U	1100 U	400 U	510 U	6 U
Dibromochloromethane	µg/kg	17000 U	350 U	400 U	510 U	6 U
Methyl ethyl ketone	µg/kg	50000 U	1100 U	400 U	4300	6 U
Methyl iso butyl ketone	µg/kg	50000 U	1100 U	400 U	510 U	6 U
trans-1,3-Dichloropropene	µg/kg	50000 U	1100 U	400 U	510 U	6 U
Vinyl acetate	µg/kg	17000 U	350 U	130 U	170 U	2 U
BTEX						
Benzene	µg/kg	17000 U	350 U	130 U	170 U	2 U
Toluene	µg/kg	1500000	350	130 U	340	4700
Ethylbenzene	µg/kg	470000	350 U	130 U	170 U	2 U
Xylene (total)	µg/kg	1200000	350 U	130	170 U	2 U
Alkylated Benzenes						
Styrene	µg/kg	100000	350 U	130 U	170 U	2 U
Semivolatile Organic Compounds						
Benzo(a)anthracene	µg/kg	820 U	40 U	30 U	40 U	40 U
Benzo(a)pyrene	µg/kg	820 U	40 U	30 U	40 U	40 U
Benzo(g,h,i)perylene	µg/kg	820 U	40 U	30 U	40 U	40 U
Benzo(b)fluoranthene	µg/kg	820 U	40 U	30 U	40 U	40 U
Benzo(k)fluoranthene	µg/kg	820 U	40 U	30 U	40 U	40 U
Chrysene	µg/kg	820 U	40 U	30 U	40 U	40 U
Dibenzo(a,h)anthracene	µg/kg	820 U	40 U	30 U	40 U	40 U

	Event	Hart Crowser's Pre-RI UST Investigation				
	Location	SB-10	SB-11	SB-11	SB-11	SB-12
	SampleID	**SB-10/S6**	**SB-11/S1**	**SB-11/S2**	**SB-11/S5**	**SB-12/S1**
	Depth (bgs)	17 - 18.5 ft	2.5 - 4 ft	7.5 - 9 ft	13 - 14.5 ft	2.5 - 4 ft
	Sample Date	01/24/1991	01/24/1991	01/24/1991	01/24/1991	01/24/1991
Semivolatile Organic Compounds						
Fluoranthene	µg/kg	820 U	40 U	70	40 U	40 U
Indeno(1,2,3-cd)pyrene	µg/kg	820 U	40 U	30 U	40 U	40 U
Pyrene	µg/kg	820 U	40 U	110	40 U	40 U
Acenaphthene	µg/kg	820 U	40 U	140	40 U	40 U
Acenaphthylene	µg/kg	820 U	40 U	30 U	40 U	40 U
Anthracene	µg/kg	820 U	40 U	50	40 U	40 U
Fluorene	µg/kg	820 U	40 U	70	40 U	40 U
Naphthalene	µg/kg	4600 J	40 U	240	40 U	40 U
Phenanthrene	µg/kg	820 U	40 U	220	40 U	40 U
2-Methylnaphthalene	µg/kg	1700 J	40 U	120	40 U	40 U
bis(2-ethylhexyl)phthalate	µg/kg	71000 J	390	11000	60 U	70 U
Di-n-butyl phthalate	µg/kg	110000 J	360	16000	50 U	40 U
Butyl benzyl phthalate	µg/kg	1300 J	40 U	50	40 U	40 U
Diethylphthalate	µg/kg	820 U	40 U	30 U	40 U	40 U
Dimethyl phthalate	µg/kg	820 U	40 U	30 U	40 U	40 U
Di-n-octyl phthalate	µg/kg	820 U	40 U	30 J	40 U	40 U
Pentachlorophenol	µg/kg	22000 J	410 U	1500	22000	410 U
2,4-Dichlorophenol	µg/kg		80 U	70 U	80 U	80 U
2,4,5-Trichlorophenol	µg/kg		80 U	70 U	80 U	80 U
2,4,6-Trichlorophenol	µg/kg		80 U	70 U	80 U	80 U
2-Chlorophenol	µg/kg		40 U	30 U	40 U	40 U
2,4-Dimethylphenol	µg/kg		40 U	30 U	40 U	40 U
2,4-Dinitrophenol	µg/kg		410 U	360 U	430 U	410 U
2,4-Dinitrotoluene	µg/kg	1600 U	80 U	70 U	80 U	80 U
2,6-Dinitrotoluene	µg/kg	1600 U	80 U	70 U	80 U	80 U
2-Chloronaphthalene	µg/kg	820 U	40 U	30 U	40 U	40 U
2-Methylphenol	µg/kg		40 U	30 U	40 U	40 U
2-Nitroaniline	µg/kg	1600 U	80 U	70 U	80 U	80 U
2-Nitrophenol	µg/kg		80 U	70 U	80 U	80 U
3,3'-Dichlorobenzidine	µg/kg	16000 U	820 U	710 U	870 U	40 U
3-Nitroaniline	µg/kg	4000 U	200 U	170 U	210 U	200 U
4,6-Dinitro-o-cresol	µg/kg	820 U	40 U	30 U	40 U	40 U
4-Bromophenyl phenyl ether	µg/kg	1600 U	80 U	70 U	80 U	80 U
4-Chloro-3-methylphenol	µg/kg		80 U	70 U	80 U	80 U
4-Chloroaniline	µg/kg	820 U	40 U	30 U	40 U	40 U
4-Chlorophenyl phenyl ether	µg/kg	820 U	40 U	30 U	40 U	40 U
4-Nitroaniline	µg/kg	1600 U	80 U	70 U	80 U	80 U
Aniline	µg/kg	4200 U	210 U	180 U	220 U	210 U
Benzidine	µg/kg	21000 U	1000 U	900 U	1100 U	1000 U
Benzoic acid	µg/kg		1000 U	900 U	1100 U	1000 U
Benzyl alcohol	µg/kg	820 U	40 U	30 U	40 U	40 U
bis(2-chloroethoxy)methane	µg/kg	820 U	40 U	30 U	40 U	40 U
bis(2-chloroethyl)ether	µg/kg	820 U	40 U	30 U	40 U	40 U
bis(2-chloroisopropyl)ether	µg/kg	820 U	40 U	30 U	40 U	40 U
Dibenzofuran	µg/kg	820 U	40 U	50	40 U	40 U
Hexachlorobenzene	µg/kg	1600 U	80 U	70 U	80 U	80 U
Hexachlorobutadiene	µg/kg	820 U	40 U	30 U	40 U	40 U
Hexachlorocyclopentadiene	µg/kg	1600 U	80 U	70 U	80 U	80 U

	Event	Hart Crowser's Pre-RI UST Investigation				
	Location	SB-10	SB-11	SB-11	SB-11	SB-12
	SampleID	**SB-10/S6**	**SB-11/S1**	**SB-11/S2**	**SB-11/S5**	**SB-12/S1**
	Depth (bgs)	17 - 18.5 ft	2.5 - 4 ft	7.5 - 9 ft	13 - 14.5 ft	2.5 - 4 ft
	Sample Date	01/24/1991	01/24/1991	01/24/1991	01/24/1991	01/24/1991
Semivolatile Organic Compounds						
Hexachloroethane	µg/kg	1600 U	80 U	70 U	80 U	80 U
Isophorone	µg/kg	820 U	40 U	30 U	40 U	40 U
Nitrobenzene	µg/kg	820 U	40 U	30 U	40 U	40 U
N-Nitroso-di-n-propylamine	µg/kg	820 U	40 U	30 U	40 U	40 U
N-Nitrosodiphenylamine	µg/kg	820 U	40 U	30 U	40 U	40 U
Phenol	µg/kg		40 U	30 U	40 U	40 U
Metals						
Arsenic	mg/kg	2.5	2.5	0.7	3.4	2.6
Cadmium	mg/kg	1.3	1.2	0.7	2	0.9
Chromium	mg/kg	11	9	7	12	14
Copper	mg/kg	9	9	6	16	19
Lead	mg/kg	10 U	10 U	10 U	10 U	10 U
Mercury	mg/kg	0.1 U	0.1 U	0.1 U	0.2	0.1
Nickel	mg/kg	7	5	3	12	7
Zinc	mg/kg	28	25	18	30	32

	Event	Hart Crowser's Pre-RI UST Investigation				
	Location	SB-12	SB-12	SB3	SB4	SB5
	SampleID	**SB-12/S2**	**SB-12/S5**	**SB3/S2**	**SB4/S1**	**SB5/S3**
	Depth (bgs)	7.5 - 9 ft	13 - 14.5 ft	7.5 - 9 ft	1.5 - 3 ft	12.5 - 14 ft
	Sample Date	01/24/1991	01/24/1991	10/12/1990	10/12/1990	10/12/1990
Volatile Organic Compounds						
Tetrachloroethene	µg/kg	3	90	50 U	900000	44000
Trichloroethene	µg/kg	2 U	10	50 U	220000	50 U
1,2-Dichloroethene (total)	µg/kg	2 U	10			
cis-1,2-Dichloroethene	µg/kg			6700	690	
trans-1,2-Dichloroethene	µg/kg			50 U	50 U	50 U
1,1-Dichloroethene	µg/kg	2 U	3 U	50 U	50 U	50 U
Vinyl chloride	µg/kg	2 U	3 U			
1,1,1-Trichloroethane	µg/kg	2 U	3 U	50 U	15000	50 U
1,1,2,2-Tetrachloroethane	µg/kg	5 U	9 U	200 U	200 U	200 U
1,1,2-Trichloroethane	µg/kg	2 U	3 U	50 U	50 U	50 U
1,1-Dichloroethane	µg/kg	2 U	3 U	50 U	50 U	50 U
Chloroethane	µg/kg	5 U	9 U			
Acetone	µg/kg	20 U	80 U			
Dichloromethane	µg/kg	2	10	780000	50 U	270000
1,2,4-Trichlorobenzene	µg/kg	30 U	40 U			
1,2-Dichlorobenzene	µg/kg	30 U	40 U			
1,2-Dichloroethane	µg/kg	2 U	3 U	200 U	200 U	200 U
1,2-Dichloropropane	µg/kg	2 U	10	50 U	50 U	50 U
1,3-Dichlorobenzene	µg/kg	30 U	40 U			
1,3-Dichloropropene	µg/kg			200 U	200 U	200 U
1,4-Dichlorobenzene	µg/kg	30 U	40 U			
2-Hexanone	µg/kg	5 U	9 U			
Bromodichloromethane	µg/kg	2 U	3 U	200 U	200 U	200 U
Bromoform	µg/kg	2 U	3 U	200 U	200 U	200 U
Bromomethane	µg/kg	2 U	3 U			
Carbon disulfide	µg/kg	2 U	3 U			
Carbon tetrachloride	µg/kg	2 U	3 U	50 U	50 U	50 U
Chlorobenzene	µg/kg	5 U	30	50 U	50 U	50 U
Chloroform	µg/kg	2 U	3 U	50 U	50 U	50 U
Chloromethane	µg/kg	2 U	3 U			
cis-1,3-Dichloropropene	µg/kg	5 U	9 U			
Dibromochloromethane	µg/kg	5 U	9 U	200 U	200 U	200 U
Methyl ethyl ketone	µg/kg	5 U	9 U			
Methyl iso butyl ketone	µg/kg	5 U	9 U			
trans-1,3-Dichloropropene	µg/kg	5 U	9 U			
Trichlorofluoromethane	µg/kg			50 U	50 U	50 U
Vinyl acetate	µg/kg	2 U	3 U			
Total Petroleum Hydrocarbons						
Diesel #2	mg/kg			25 U	25 U	25 U
Fuel Oil #6	mg/kg			25 U	25 U	25 U
Motor Oil	mg/kg			25 U	25 U	25 U
Light Hydrocarbons	mg/kg			6400	2100	700
Kerosene	mg/kg			25 U	25 U	25 U
BTEX						
Benzene	µg/kg	2 U	150	50 U	50 U	50 U
Toluene	µg/kg	2 U	180	2700	110000	2100
Ethylbenzene	µg/kg	2 U	920	2300	26000	1400
Xylene (total)	µg/kg	2 U	1300	1300	150000	6300

	Event	Hart Crowser's Pre-RI UST Investigation				
	Location	SB-12	SB-12	SB3	SB4	SB5
	SampleID	**SB-12/S2**	**SB-12/S5**	**SB3/S2**	**SB4/S1**	**SB5/S3**
	Depth (bgs)	7.5 - 9 ft	13 - 14.5 ft	7.5 - 9 ft	1.5 - 3 ft	12.5 - 14 ft
	Sample Date	01/24/1991	01/24/1991	10/12/1990	10/12/1990	10/12/1990
Alkylated Benzenes						
Styrene	µg/kg	2 U	7			
Semivolatile Organic Compounds						
Benzo(a)anthracene	µg/kg	30 U	40 U			
Benzo(a)pyrene	µg/kg	30 U	40 U			
Benzo(g,h,i)perylene	µg/kg	30 U	40 U			
Benzo(b)fluoranthene	µg/kg	30 U	40 U			
Benzo(k)fluoranthene	µg/kg	30 U	40 U			
Chrysene	µg/kg	30 U	40 U			
Dibenzo(a,h)anthracene	µg/kg	30 U	40 U			
Fluoranthene	µg/kg	30 U	40 U			
Indeno(1,2,3-cd)pyrene	µg/kg	30 U	40 U			
Pyrene	µg/kg	30 U	40 U			
Acenaphthene	µg/kg	30 U	40 U			
Acenaphthylene	µg/kg	30 U	40 U			
Anthracene	µg/kg	30 U	40 U			
Fluorene	µg/kg	30 U	40 U			
Naphthalene	µg/kg	30 U	40 U			
Phenanthrene	µg/kg	30 U	40 U			
2-Methylnaphthalene	µg/kg	30 U	40 U			
bis(2-ethylhexyl)phthalate	µg/kg	50 U	200 U			
Di-n-butyl phthalate	µg/kg	80 U	240 U			
Butyl benzyl phthalate	µg/kg	30 U	40 U			
Diethylphthalate	µg/kg	30 U	40 U			
Dimethyl phthalate	µg/kg	30 U	40 U			
Di-n-octyl phthalate	µg/kg	30 U	40 U			
Pentachlorophenol	µg/kg	140 J	440 U			
2,4-Dichlorophenol	µg/kg	70 U	80 U			
2,4,5-Trichlorophenol	µg/kg	70 U	80 U			
2,4,6-Trichlorophenol	µg/kg	70 U	80 U			
2-Chlorophenol	µg/kg	30 U	40 U			
2,4-Dimethylphenol	µg/kg	30 U	40 U			
2,4-Dinitrophenol	µg/kg	360 U	440 U			
2,4-Dinitrotoluene	µg/kg	70 U	80 U			
2,6-Dinitrotoluene	µg/kg	70 U	80 U			
2-Chloronaphthalene	µg/kg	30 U	40 U			
2-Methylphenol	µg/kg	30 U	40 U			
2-Nitroaniline	µg/kg	70 U	80 U			
2-Nitrophenol	µg/kg	70 U	80 U			
3,3'-Dichlorobenzidine	µg/kg	30 U	40 U			
3-Nitroaniline	µg/kg	170 U	210 U			
4,6-Dinitro-o-cresol	µg/kg	30 U	40 U			
4-Bromophenyl phenyl ether	µg/kg	70 U	80 U			
4-Chloro-3-methylphenol	µg/kg	70 U	80 U			
4-Chloroaniline	µg/kg	30 U	40 U			
4-Chlorophenyl phenyl ether	µg/kg	30 U	40 U			
4-Nitroaniline	µg/kg	70 U	80 U			
Aniline	µg/kg	180 U	220 U			
Benzidine	µg/kg	890 U	1100 U			

	Event	Hart Crowser's Pre-RI UST Investigation				
	Location	SB-12	SB-12	SB3	SB4	SB5
	SampleID	**SB-12/S2**	**SB-12/S5**	**SB3/S2**	**SB4/S1**	**SB5/S3**
	Depth (bgs)	7.5 - 9 ft	13 - 14.5 ft	7.5 - 9 ft	1.5 - 3 ft	12.5 - 14 ft
	Sample Date	01/24/1991	01/24/1991	10/12/1990	10/12/1990	10/12/1990
Semivolatile Organic Compounds						
Benzoic acid	µg/kg	890 U	1100 U			
Benzyl alcohol	µg/kg	30 U	40 U			
bis(2-chloroethoxy)methane	µg/kg	30 U	40 U			
bis(2-chloroethyl)ether	µg/kg	30 U	40 U			
bis(2-chloroisopropyl)ether	µg/kg	30 U	40 U			
Dibenzofuran	µg/kg	30 U	40 U			
Hexachlorobenzene	µg/kg	70 U	80 U			
Hexachlorobutadiene	µg/kg	30 U	40 U			
Hexachlorocyclopentadiene	µg/kg	70 U	80 U			
Hexachloroethane	µg/kg	70 U	80 U			
Isophorone	µg/kg	30 U	40 U			
Nitrobenzene	µg/kg	30 U	40 U			
N-Nitroso-di-n-propylamine	µg/kg	30 U	40 U			
N-Nitrosodiphenylamine	µg/kg	30 U	40 U			
Phenol	µg/kg	30 U	40 U			
Metals						
Arsenic	mg/kg	1.3	5			
Cadmium	mg/kg	0.8	2.3			
Chromium	mg/kg	12	12			
Copper	mg/kg	5	18			
Lead	mg/kg	10 U	10 U			
Mercury	mg/kg	0.1 U	0.1 U			
Nickel	mg/kg	4	8			
Zinc	mg/kg	19	29			

	Event	Hart Crowser's Pre-RI UST Investigation				
	Location	SB-6	SB7	SB8	SB9	SW-19E
	SampleID	**S-2SB-6**	**SB7/S3**	**SB8/S3**	**SB9/S2**	**SW-19E**
	Depth (bgs)	7.5 - 9 ft	12.5 - 14 ft	12.5 - 14 ft	7.5 - 9 ft	5 - 10 ft
	Sample Date	10/08/1990	10/12/1990	10/12/1990	10/12/1990	09/19/1990
Volatile Organic Compounds						
Tetrachloroethene	µg/kg	190	220000	500	50 U	10
Trichloroethene	µg/kg	130 U	4800	50 U	50 U	5 U
1,2-Dichloroethene (total)	µg/kg	130 U				
cis-1,2-Dichloroethene	µg/kg	130 U				18
trans-1,2-Dichloroethene	µg/kg	130 U	50 U	50 U	50 U	5 U
1,1-Dichloroethene	µg/kg	130 U	50 U	50 U	50 U	5 U
Vinyl chloride	µg/kg	130 U				5 U
1,1,1-Trichloroethane	µg/kg	130 U	50 U	50 U	50 U	5 U
1,1,2,2-Tetrachloroethane	µg/kg	390 U	200 U	200 U	200 U	16 U
1,1,2-Trichloroethane	µg/kg	130 U	50 U	50 U	50 U	5 U
1,1-Dichloroethane	µg/kg	130 U	50 U	50 U	50 U	5 U
Chloroethane	µg/kg	390 U				16 U
Acetone	µg/kg	3700				610
Dichloromethane	µg/kg	120 J	50 U	50 U	50 U	8
1,2-Dichloroethane	µg/kg	130 U	200 U	200 U	200 U	5 U
1,2-Dichloropropane	µg/kg	130 U	50 U	50 U	50 U	5 U
1,3-Dichloropropene	µg/kg		200 U	200 U	200 U	
2-Hexanone	µg/kg	390 U				16 U
Bromodichloromethane	µg/kg	130 U	200 U	200 U	200 U	5 U
Bromoform	µg/kg	130 U	200 U	200 U	200 U	5 U
Bromomethane	µg/kg	130 U				5 U
Carbon disulfide	µg/kg	130 U				5 U
Carbon tetrachloride	µg/kg	130 U	50 U	50 U	50 U	5 U
Chlorobenzene	µg/kg	390 U	50 U	50 U	50 U	16 U
Chloroform	µg/kg	130 U	50 U	50 U	50 U	5 U
Chloromethane	µg/kg	130 U				5 U
cis-1,3-Dichloropropene	µg/kg	390 U				16 U
Dibromochloromethane	µg/kg	390 U	200 U	200 U	200 U	16 U
Methyl ethyl ketone	µg/kg	1100				16 U
Methyl iso butyl ketone	µg/kg	390 U				16 U
trans-1,3-Dichloropropene	µg/kg	390 U				16 U
Trichlorofluoromethane	µg/kg		50 U	50 U	50 U	
Vinyl acetate	µg/kg	130 U				5 U
Total Petroleum Hydrocarbons						
Diesel #2	mg/kg		25 U	25 U	25 U	
Fuel Oil #6	mg/kg		25 U	25 U	25 U	
Mineral Spirits	mg/kg					4
Motor Oil	mg/kg		25 U	25 U	25 U	
Light Hydrocarbons	mg/kg		25 U	25 U	25 U	
1-Propanol	mg/kg					0.001 U
iso-Propanol	mg/kg					0.001 U
Kerosene	mg/kg		25 U	25 U	25 U	
Stoddard's Solvent	mg/kg					6.9
BTEX						
Benzene	µg/kg	130 U	50 U	50 U	50 U	5 U
Toluene	µg/kg	130 U	50 U	50 U	1200	5 U
Ethylbenzene	µg/kg	130 U	50 U	50 U	50 U	9
Xylene (total)	µg/kg	130 U	7200	50 U	50 U	48

	Event	**Hart Crowser's Pre-RI UST Investigation**				
	Location	SB-6	SB7	SB8	SB9	SW-19E
	SampleID	**S-2SB-6**	**SB7/S3**	**SB8/S3**	**SB9/S2**	**SW-19E**
	Depth (bgs)	7.5 - 9 ft	12.5 - 14 ft	12.5 - 14 ft	7.5 - 9 ft	5 - 10 ft
	Sample Date	10/08/1990	10/12/1990	10/12/1990	10/12/1990	09/19/1990
Alkylated Benzenes						
Styrene	µg/kg	130 U				5 U
Glycols & Alcohols						
Diethylene glycol	mg/kg					0.01
Ethylene glycol	mg/kg					0.01
Propylene glycol	mg/kg					0.005 U
Ethanol	µg/kg					1 U
Methanol	µg/kg					1 U
Conventionals						
Total Solids	%	94.1				

Table F.2
Chemistry Data for Groundwater Samples

	Event	**Fox-Ave Calibre Data Gaps Geoprobes & New Wells (October - November 2010)**				
	Location	GP-100	GP-101	GP-101	GP-101	GP-101
	SampleID	**FAS-GP100-10**	**FAS-GP101-10**	**FAS-GP101-30**	**FAS-GP101-40**	**FAS-GP101-50**
	Depth (bgs)	10 ft	10 ft	30 ft	40 ft	50 ft
	Sample Date	10/25/2010	10/26/2010	10/26/2010	10/26/2010	10/26/2010
Volatile Organic Compounds						
Tetrachloroethene	µg/L	6.9	180	1 U	1 U	1 U
Trichloroethene	µg/L	0.72 J	13	0.39 J	1 U	1 U
cis-1,2-Dichloroethene	µg/L	1 U	13	0.87 J	0.48 J	1 U
trans-1,2-Dichloroethene	µg/L	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethene	µg/L	1 U	1 U	1 U	1 U	1 U
Vinyl chloride	µg/L	0.2 U	0.23	0.14 J	0.2 U	0.2 U
1,1,1,2-Tetrachloroethane	µg/L	1 U	1 U	1 U	1 U	1 U
1,1,1-Trichloroethane	µg/L	1 U	1 U	1 U	1 U	1 U
1,1,2,2-Tetrachloroethane	µg/L	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichloroethane	µg/L	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	µg/L	1 U	1 U	1 U	1 U	1 U
Chloroethane	µg/L	1 U	1 U	1 U	1 U	1 U
1,1-Dichloropropene	µg/L	1 U	1 U	1 U	1 U	1 U
1,2,3-Trichlorobenzene	µg/L	4 U	4 U	4 U	4 U	4 U
1,2,3-Trichloropropane	µg/L	1 U	1 U	1 U	1 U	1 U
1,2,4-Trichlorobenzene	µg/L	2 U	2 U	2 U	2 U	2 U
1,2-Dibromo-3-chloropropane	µg/L	1 U	1 U	1 U	1 U	1 U
1,2-Dichlorobenzene	µg/L	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethane	µg/L	1 U	1 U	1 U	1 U	1 U
1,2-Dichloropropane	µg/L	1 U	1 U	1 U	1 U	1 U
1,3-Dichlorobenzene	µg/L	1 U	1 U	1 U	1 U	1 U
1,3-Dichloropropane	µg/L	1 U	1 U	1 U	1 U	1 U
1,4-Dichlorobenzene	µg/L	1 U	1 U	1 U	1 U	1 U
2,2-Dichloropropane	µg/L	2 U	2 U	2 U	2 U	2 U
2-Chlorotoluene	µg/L	1 U	1 U	1 U	1 U	1 U
4-Chlorotoluene	µg/L	1 U	1 U	1 U	1 U	1 U
Bromodichloromethane	µg/L	1 U	1 U	1 U	1 U	1 U
Carbon tetrachloride	µg/L	1 U	1 U	1 U	1 U	1 U
Chlorobenzene	µg/L	1 U	1 U	1 U	1 U	1 U
Chloroform	µg/L	3.4	1 U	1 U	1 U	1 U
Chloromethane	µg/L	1 U	1 U	1 U	1 U	1 U
cis-1,3-Dichloropropene	µg/L	1 U	1 U	1 U	1 U	1 U
Dibromochloromethane	µg/L	1 U	1 U	1 U	1 U	1 U
Dichlorodifluoromethane	µg/L	1 U	1 U	1 U	1 U	1 U
Dichloromethane	µg/L	1 U	1 U	1 U	1 U	1 U
trans-1,3-Dichloropropene	µg/L	1 U	1 U	1 U	1 U	1 U
Trichlorofluoromethane	µg/L	1 U	1 U	1 U	1 U	1 U
BTEX						
Benzene	µg/L	1 U	1 U	1 U	1 U	1 U
Toluene	µg/L	1 U	1 U	1 U	1 U	1 U
Ethylbenzene	µg/L	1 U	1 U	1 U	1 U	1 U
Xylene (total)	µg/L	1 U	1 U	1 U	1 U	1 U
Semivolatile Organic Compounds						
Hexachlorobutadiene	µg/L	4 U	4 U	4 U	4 U	4 U

	Event	Fox-Ave Calibre Data Gaps Geoprobes & New Wells (October - November 2010)				
	Location	GP-102	GP-102	GP-102	GP-102	GP-102
	SampleID	**FAS-GP102-15**	**FAS-GP102-30**	**FAS-GP102-40**	**FAS-DUP2-102610**	**FAS-GP102-55**
	Depth (bgs)	15 ft	30 ft	40 ft	40 ft	55 ft
	Sample Date	10/26/2010	10/26/2010	10/26/2010	10/26/2010	10/26/2010
Volatile Organic Compounds						
Tetrachloroethene	µg/L	640	1.6	0.76 J	0.6 J	2.4
Trichloroethene	µg/L	200	5.2	3.2	3.8	0.79 J
cis-1,2-Dichloroethene	µg/L	87	5	1.6	1.5	110
trans-1,2-Dichloroethene	µg/L	6.1	1	1 U	1 U	2.9
1,1-Dichloroethene	µg/L	0.49 J	1 U	1 U	1 U	1 U
Vinyl chloride	µg/L	0.21	0.2 U	0.39	0.38	670
1,1,1,2-Tetrachloroethane	µg/L	1 U	1 U	1 U	1 U	1 U
1,1,1-Trichloroethane	µg/L	1 U	1 U	1 U	1 U	1 U
1,1,2,2-Tetrachloroethane	µg/L	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichloroethane	µg/L	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	µg/L	1 U	1 U	1 U	1 U	0.58 J
Chloroethane	µg/L	1 U	1 U	1 U	1 U	1 U
1,1-Dichloropropene	µg/L	1 U	1 U	1 U	1 U	1 U
1,2,3-Trichlorobenzene	µg/L	4 U	4 U	4 U	4 U	4 U
1,2,3-Trichloropropane	µg/L	1 U	1 U	1 U	1 U	1 U
1,2,4-Trichlorobenzene	µg/L	2 U	2 U	2 U	2 U	2 U
1,2-Dibromo-3-chloropropane	µg/L	1 U	1 U	1 U	1 U	1 U
1,2-Dichlorobenzene	µg/L	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethane	µg/L	2.9	11	8.3	8.2	29
1,2-Dichloropropane	µg/L	1 U	1 U	1 U	1 U	1 U
1,3-Dichlorobenzene	µg/L	1 U	1 U	1 U	1 U	1 U
1,3-Dichloropropane	µg/L	1 U	1 U	1 U	1 U	1 U
1,4-Dichlorobenzene	µg/L	1 U	1 U	1 U	1 U	1 U
2,2-Dichloropropane	µg/L	2 U	2 U	2 U	2 U	2 U
2-Chlorotoluene	µg/L	1 U	1 U	1 U	1 U	1 U
4-Chlorotoluene	µg/L	1 U	1 U	1 U	1 U	1 U
Bromodichloromethane	µg/L	1 U	1 U	1 U	1 U	1 U
Carbon tetrachloride	µg/L	1 U	1 U	1 U	1 U	1 U
Chlorobenzene	µg/L	1 U	1 U	1 U	1 U	1 U
Chloroform	µg/L	1.2	1 U	1 U	1 U	1 U
Chloromethane	µg/L	1 U	1 U	1 U	1 U	1 U
cis-1,3-Dichloropropene	µg/L	1 U	1 U	1 U	1 U	1 U
Dibromochloromethane	µg/L	1 U	1 U	1 U	1 U	1 U
Dichlorodifluoromethane	µg/L	1 U	1 U	1 U	1 U	1 U
Dichloromethane	µg/L	1 U	1 U	1 U	1 U	1 U
trans-1,3-Dichloropropene	µg/L	1 U	1 U	1 U	1 U	1 U
Trichlorofluoromethane	µg/L	1 U	1 U	1 U	1 U	1 U
BTEX						
Benzene	µg/L	1 U	1 U	1 U	1 U	1 U
Toluene	µg/L	0.37 J	1 U	1 U	1 U	1 U
Ethylbenzene	µg/L	1 U	1 U	1 U	1 U	1 U
Xylene (total)	µg/L	1 U	1 U	1 U	1 U	1 U
Semivolatile Organic Compounds						
Hexachlorobutadiene	µg/L	4 U	4 U	4 U	4 U	4 U

	Event	Fox-Ave Calibre Data Gaps Geoprobes & New Wells (October - November 2010)				
	Location	GP-102	GP-103	GP-104	GP-104	GP-104
	SampleID	**FAS-GP102-70**	**FAS-GP103-85**	**FAS-DUP1-102510**	**FAS-GP104-40**	**FAS-GP104-55**
	Depth (bgs)	70 ft	85 ft	10 ft	40 ft	55 ft
	Sample Date	10/26/2010	10/26/2010	10/25/2010	10/25/2010	10/25/2010
Volatile Organic Compounds						
Tetrachloroethene	µg/L	0.64 J	1 U	1 U	0.49 J	1 U
Trichloroethene	µg/L	1 U	1 U	0.55 J	0.62 J	0.53 J
cis-1,2-Dichloroethene	µg/L	1.4	2.3	9	130	8.5
trans-1,2-Dichloroethene	µg/L	1 U	1 U	1 U	1.4	1 U
1,1-Dichloroethene	µg/L	1 U	1 U	1 U	1 U	1 U
Vinyl chloride	µg/L	43	17	11	29	10
1,1,1,2-Tetrachloroethane	µg/L	1 U	1 U	1 U	1 U	1 U
1,1,1-Trichloroethane	µg/L	1 U	1 U	1 U	1 U	1 U
1,1,2,2-Tetrachloroethane	µg/L	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichloroethane	µg/L	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	µg/L	1 U	1 U	1 U	1 U	1 U
Chloroethane	µg/L	1 U	1 U	1 U	1 U	1 U
1,1-Dichloropropene	µg/L	1 U	1 U	1 U	1 U	1 U
1,2,3-Trichlorobenzene	µg/L	4 U	4 U	4 U	4 U	4 U
1,2,3-Trichloropropane	µg/L	1 U	1 U	1 U	1 U	1 U
1,2,4-Trichlorobenzene	µg/L	2 U	2 U	2 U	2 U	2 U
1,2-Dibromo-3-chloropropane	µg/L	1 U	1 U	1 U	1 U	1 U
1,2-Dichlorobenzene	µg/L	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethane	µg/L	1 U	1 U	1 U	1 U	1 U
1,2-Dichloropropane	µg/L	1 U	1 U	1 U	1 U	1 U
1,3-Dichlorobenzene	µg/L	1 U	1 U	1 U	1 U	1 U
1,3-Dichloropropane	µg/L	1 U	1 U	1 U	1 U	1 U
1,4-Dichlorobenzene	µg/L	1 U	1 U	1 U	1 U	1 U
2,2-Dichloropropane	µg/L	2 U	2 U	2 U	2 U	2 U
2-Chlorotoluene	µg/L	1 U	1 U	1 U	1 U	1 U
4-Chlorotoluene	µg/L	1 U	1 U	1 U	1 U	1 U
Bromodichloromethane	µg/L	1 U	1 U	1 U	1 U	1 U
Carbon tetrachloride	µg/L	1 U	1 U	1 U	1 U	1 U
Chlorobenzene	µg/L	1 U	1 U	1 U	1 U	1 U
Chloroform	µg/L	1 U	1 U	1 U	1 U	1 U
Chloromethane	µg/L	1 U	1 U	1 U	1 U	1 U
cis-1,3-Dichloropropene	µg/L	1 U	1 U	1 U	1 U	1 U
Dibromochloromethane	µg/L	1 U	1 U	1 U	1 U	1 U
Dichlorodifluoromethane	µg/L	1 U	1 U	1 U	1 U	1 U
Dichloromethane	µg/L	1 U	1 U	1 U	1 U	1 U
trans-1,3-Dichloropropene	µg/L	1 U	1 U	1 U	1 U	1 U
Trichlorofluoromethane	µg/L	1 U	1 U	1 U	1 U	1 U
BTEX						
Benzene	µg/L	1 U	1 U	1 U	0.75 J	1 U
Toluene	µg/L	1 U	0.56 J	1 U	1 U	1 U
Ethylbenzene	µg/L	1 U	1 U	1 U	1 U	1 U
Xylene (total)	µg/L	1 U	1 U	1 U	1 U	1 U
Semivolatile Organic Compounds						
Hexachlorobutadiene	µg/L	4 U	4 U	4 U	4 U	4 U
Conventionals						
Salinity	0/00		663			

	Event	Fox-Ave Calibre Data Gaps Geoprobes & New Wells (October - November 2010)				
	Location	GP-104	GP-105	GP-105	GP-105	GP-105
	SampleID	**FAS-GP104-70**	**FAS-GP105-15**	**FAS-GP105-30**	**FAS-DUP3-102710**	**FAS-GP105-40**
	Depth (bgs)	70 ft	15 ft	30 ft	30 ft	40 ft
	Sample Date	10/25/2010	10/27/2010	10/27/2010	10/27/2010	10/25/2010
Volatile Organic Compounds						
Tetrachloroethene	µg/L	1 U	140	1 U	1 U	0.36 J
Trichloroethene	µg/L	1 U	77	0.36 J	0.3 J	0.93 J
cis-1,2-Dichloroethene	µg/L	1 U	200	400	390	20
trans-1,2-Dichloroethene	µg/L	1 U	3.8	2.4	2	1 U
1,1-Dichloroethene	µg/L	1 U	6	1.8	1.8	1 U
Vinyl chloride	µg/L	0.47	46	73	66	0.88
1,1,1,2-Tetrachloroethane	µg/L	1 U	1 U	1 U	1 U	1 U
1,1,1-Trichloroethane	µg/L	1 U	1 U	1 U	1 U	1 U
1,1,2,2-Tetrachloroethane	µg/L	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichloroethane	µg/L	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	µg/L	1 U	1 U	1 U	1 U	1 U
Chloroethane	µg/L	1 U	1 U	1 U	1 U	1 U
1,1-Dichloropropene	µg/L	1 U	1 U	1 U	1 U	1 U
1,2,3-Trichlorobenzene	µg/L	4 U	4 U	4 U	4 U	4 U
1,2,3-Trichloropropane	µg/L	1 U	1 U	1 U	1 U	1 U
1,2,4-Trichlorobenzene	µg/L	2 U	2 U	2 U	2 U	2 U
1,2-Dibromo-3-chloropropane	µg/L	1 U	1 U	1 U	1 U	1 U
1,2-Dichlorobenzene	µg/L	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethane	µg/L	1 U	1 U	0.93 J	0.91 J	1 U
1,2-Dichloropropane	µg/L	1 U	1 U	1 U	1 U	1 U
1,3-Dichlorobenzene	µg/L	1 U	1 U	1 U	1 U	1 U
1,3-Dichloropropane	µg/L	1 U	1 U	1 U	1 U	1 U
1,4-Dichlorobenzene	µg/L	1 U	1 U	1 U	1 U	1 U
2,2-Dichloropropane	µg/L	2 U	2 U	2 U	2 U	2 U
2-Chlorotoluene	µg/L	1 U	1 U	1 U	1 U	1 U
4-Chlorotoluene	µg/L	1 U	1 U	1 U	1 U	1 U
Bromodichloromethane	µg/L	1 U	1 U	1 U	1 U	1 U
Carbon tetrachloride	µg/L	1 U	1 U	1 U	1 U	1 U
Chlorobenzene	µg/L	1 U	1 U	1 U	1 U	1 U
Chloroform	µg/L	1 U	1 U	1 U	1 U	1 U
Chloromethane	µg/L	1 U	1 U	1 U	1 U	1 U
cis-1,3-Dichloropropene	µg/L	1 U	1 U	1 U	1 U	1 U
Dibromochloromethane	µg/L	1 U	1 U	1 U	1 U	1 U
Dichlorodifluoromethane	µg/L	1 U	1 U	1 U	1 U	1 U
Dichloromethane	µg/L	1 U	1 U	1 U	1 U	1 U
trans-1,3-Dichloropropene	µg/L	1 U	1 U	1 U	1 U	1 U
Trichlorofluoromethane	µg/L	1 U	1 U	1 U	1 U	1 U
BTEX						
Benzene	µg/L	1 U	1 U	1 U	1 U	1 U
Toluene	µg/L	0.39 J	1 U	1 U	1 U	1 U
Ethylbenzene	µg/L	1 U	1 U	1 U	1 U	1 U
Xylene (total)	µg/L	1 U	1 U	1 U	1 U	1 U
Semivolatile Organic Compounds						
Hexachlorobutadiene	µg/L	4 U	4 U	4 U	4 U	4 U

	Event	Fox-Ave Calibre Data Gaps Geoprobes & New Wells (October - November 2010)				
	Location	GP-105	GP-105	GP-106	GP-106	GP-106
	SampleID	**FAS-GP105-55**	**FAS-GP105-70**	**FAS-GP106-30**	**FAS-GP106-40**	**FAS-GP106-50**
	Depth (bgs)	55 ft	70 ft	30 ft	40 ft	50 ft
	Sample Date	10/25/2010	10/25/2010	10/27/2010	10/27/2010	10/27/2010
Volatile Organic Compounds						
Tetrachloroethene	µg/L	1 U	1 U	1 U	1 U	1 U
Trichloroethene	µg/L	1 U	1 U	1 U	1 U	1 U
cis-1,2-Dichloroethene	µg/L	2.8	1 U	4.6	1 U	1 U
trans-1,2-Dichloroethene	µg/L	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethene	µg/L	1 U	1 U	1 U	1 U	1 U
Vinyl chloride	µg/L	65	0.2 U	0.2 U	0.2 U	0.2 U
1,1,1,2-Tetrachloroethane	µg/L	1 U	1 U	1 U	1 U	1 U
1,1,1-Trichloroethane	µg/L	1 U	1 U	1 U	1 U	1 U
1,1,2,2-Tetrachloroethane	µg/L	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichloroethane	µg/L	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	µg/L	1 U	1 U	1 U	1 U	1 U
Chloroethane	µg/L	1 U	1 U	1 U	1 U	1 U
1,1-Dichloropropene	µg/L	1 U	1 U	1 U	1 U	1 U
1,2,3-Trichlorobenzene	µg/L	4 U	4 U	4 U	4 U	4 U
1,2,3-Trichloropropane	µg/L	1 U	1 U	1 U	1 U	1 U
1,2,4-Trichlorobenzene	µg/L	2 U	2 U	2 U	2 U	2 U
1,2-Dibromo-3-chloropropane	µg/L	1 U	1 U	1 U	1 U	1 U
1,2-Dichlorobenzene	µg/L	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethane	µg/L	1 U	1 U	1 U	1 U	1 U
1,2-Dichloropropane	µg/L	1 U	1 U	1 U	1 U	1 U
1,3-Dichlorobenzene	µg/L	1 U	1 U	1 U	1 U	1 U
1,3-Dichloropropane	µg/L	1 U	1 U	1 U	1 U	1 U
1,4-Dichlorobenzene	µg/L	1 U	1 U	1 U	1 U	1 U
2,2-Dichloropropane	µg/L	2 U	2 U	2 U	2 U	2 U
2-Chlorotoluene	µg/L	1 U	1 U	1 U	1 U	1 U
4-Chlorotoluene	µg/L	1 U	1 U	1 U	1 U	1 U
Bromodichloromethane	µg/L	1 U	1 U	1 U	1 U	1 U
Carbon tetrachloride	µg/L	1 U	1 U	1 U	1 U	1 U
Chlorobenzene	µg/L	1 U	1 U	1 U	1 U	1 U
Chloroform	µg/L	1 U	1 U	1 U	1 U	1 U
Chloromethane	µg/L	1 U	1 U	1 U	1 U	1 U
cis-1,3-Dichloropropene	µg/L	1 U	1 U	1 U	1 U	1 U
Dibromochloromethane	µg/L	1 U	1 U	1 U	1 U	1 U
Dichlorodifluoromethane	µg/L	1 U	1 U	1 U	1 U	1 U
Dichloromethane	µg/L	1 U	1 U	1 U	1 U	1 U
trans-1,3-Dichloropropene	µg/L	1 U	1 U	1 U	1 U	1 U
Trichlorofluoromethane	µg/L	1 U	1 U	1 U	1 U	1 U
BTEX						
Benzene	µg/L	1 U	1 U	1 U	1 U	1 U
Toluene	µg/L	1 U	1 U	1 U	1 U	1 U
Ethylbenzene	µg/L	1 U	1 U	1 U	1 U	1 U
Xylene (total)	µg/L	1 U	1 U	1 U	1 U	1 U
Semivolatile Organic Compounds						
Hexachlorobutadiene	µg/L	4 U	4 U	4 U	4 U	4 U

	Event	Fox-Ave Calibre Data Gaps Geoprobes & New Wells (October - November 2010)				
	Location	GP-106	R1-IW08	R1-IW09	R1-IW10	R1-IW10
	SampleID	**FAS-GP106-60**	**R1-IW8-11-110110**	**R1-IW9-11-110110**	**R1-IW10-11-110110**	**DUP1-110110**
	Depth (bgs)	60 ft	11 ft	11 ft	11 ft	11 ft
	Sample Date	10/27/2010	11/01/2010	11/01/2010	11/01/2010	11/01/2010
Volatile Organic Compounds						
Tetrachloroethene	µg/L	1 U	570	260	710	710
Trichloroethene	µg/L	1 U	17	9	37	38
cis-1,2-Dichloroethene	µg/L	1 U	4.9	5.6	19	19
trans-1,2-Dichloroethene	µg/L	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethene	µg/L	1 U	1 U	1 U	1 U	1 U
Vinyl chloride	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1,1,2-Tetrachloroethane	µg/L	1 U	1 U	1 U	1 U	1 U
1,1,1-Trichloroethane	µg/L	1 U	1 U	1 U	1 U	1 U
1,1,2,2-Tetrachloroethane	µg/L	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichloroethane	µg/L	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	µg/L	1 U	1 U	1 U	1 U	1 U
Chloroethane	µg/L	1 U	1 U	1 U	1 U	1 U
1,1-Dichloropropene	µg/L	1 U	1 U	1 U	1 U	1 U
1,2,3-Trichlorobenzene	µg/L	4 U	4 U	4 U	4 U	4 U
1,2,3-Trichloropropane	µg/L	1 U	1 U	1 U	1 U	1 U
1,2,4-Trichlorobenzene	µg/L	2 U	2 U	2 U	2 U	2 U
1,2-Dibromo-3-chloropropane	µg/L	1 U	1 U	1 U	1 U	1 U
1,2-Dichlorobenzene	µg/L	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethane	µg/L	1 U	1 U	1 U	1 U	1 U
1,2-Dichloropropane	µg/L	1 U	1 U	1 U	1 U	1 U
1,3-Dichlorobenzene	µg/L	1 U	1 U	1 U	1 U	1 U
1,3-Dichloropropane	µg/L	1 U	1 U	1 U	1 U	1 U
1,4-Dichlorobenzene	µg/L	1 U	1 U	1 U	1 U	1 U
2,2-Dichloropropane	µg/L	2 U	2 U	2 U	2 U	2 U
2-Chlorotoluene	µg/L	1 U	1 U	1 U	1 U	1 U
4-Chlorotoluene	µg/L	1 U	1 U	1 U	1 U	1 U
Bromodichloromethane	µg/L	1 U	1 U	1 U	1 U	1 U
Carbon tetrachloride	µg/L	1 U	1 U	1 U	1 U	1 U
Chlorobenzene	µg/L	1 U	1 U	1 U	1 U	1 U
Chloroform	µg/L	1 U	1 U	1 U	1 U	1 U
Chloromethane	µg/L	1 U	1 U	1 U	1 U	1 U
cis-1,3-Dichloropropene	µg/L	1 U	1 U	1 U	1 U	1 U
Dibromochloromethane	µg/L	1 U	1 U	1 U	1 U	1 U
Dichlorodifluoromethane	µg/L	1 U	1 U	1 U	1 U	1 U
Dichloromethane	µg/L	1 U	1 U	1 U	1 U	1 U
trans-1,3-Dichloropropene	µg/L	1 U	1 U	1 U	1 U	1 U
Trichlorofluoromethane	µg/L	1 U	1 U	1 U	1 U	1 U
BTEX						
Benzene	µg/L	1 U	1 U	1 U	1 U	1 U
Toluene	µg/L	1 U	1 U	1 U	1 U	1 U
Ethylbenzene	µg/L	1 U	1 U	1 U	1 U	1 U
Xylene (total)	µg/L	1 U	1 U	1 U	1 U	1 U
Semivolatile Organic Compounds						
Hexachlorobutadiene	µg/L	4 U	4 U	4 U	4 U	4 U

	Event	Fox-Ave TPH GW Sampling (October 2010)				
	Location	B-10A	B-11	B-18	B-39	B-52
	SampleID	**B-10A-11.5**	**B-11-12**	**B-18-11**	**B-39-11**	**B-52-10.5**
	Depth (bgs)	11.5 ft	12 ft	11 ft	11 ft	10.5 ft
	Sample Date	10/20/2010	10/20/2010	10/21/2010	10/20/2010	10/20/2010
Volatile Organic Compounds						
Tetrachloroethene	µg/L	1.9	1100	1	2300	15
Trichloroethene	µg/L	16	640	1 U	920	1.8
cis-1,2-Dichloroethene	µg/L	3800	1700	320	870	3700
trans-1,2-Dichloroethene	µg/L	140	38	2.4	22	160
1,1-Dichloroethene	µg/L	17	1.8	0.93 J	3.7	16
Vinyl chloride	µg/L	1400	5.2	96	71	1800
1,1,1,2-Tetrachloroethane	µg/L	1 U	1 U	1 U	1 U	1 U
1,1,1-Trichloroethane	µg/L	1 U	12	1 U	150	1 U
1,1,2,2-Tetrachloroethane	µg/L	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichloroethane	µg/L	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	µg/L	3.9	1.5	1 U	8.1	93
Chloroethane	µg/L	1 U	1 U	1 U	1 U	1 U
1,1-Dichloropropene	µg/L	1 U	1 U	1 U	1 U	1 U
1,2,3-Trichlorobenzene	µg/L	4 U	4 U	4 U	4 U	4 U
1,2,3-Trichloropropane	µg/L	1 U	1 U	1 U	1 U	1 U
1,2,4-Trichlorobenzene	µg/L	2 U	2 U	2 U	2 U	2 U
1,2-Dibromo-3-chloropropane	µg/L	1 U	1 U	1 U	1 U	1 U
1,2-Dichlorobenzene	µg/L	1 U	1 U	1 U	150	2.6
1,2-Dichloroethane	µg/L	9	0.8 J	1 U	1.2	1 U
1,2-Dichloropropane	µg/L	13	1 U	1 U	1.3	1 U
1,3-Dichlorobenzene	µg/L	1 U	1 U	1 U	14	1 U
1,3-Dichloropropane	µg/L	1 U	1 U	1 U	1 U	1 U
1,4-Dichlorobenzene	µg/L	1 U	1 U	1 U	58	1 U
2,2-Dichloropropane	µg/L	2 U	2 U	2 U	2 U	2 U
2-Chlorotoluene	µg/L	1 U	1 U	1 U	1 U	1 U
4-Chlorotoluene	µg/L	1 U	1 U	1 U	1 U	1 U
Bromodichloromethane	µg/L	1 U	1 U	1 U	1 U	1 U
Carbon tetrachloride	µg/L	1 U	1 U	1 U	1 U	1 U
Chlorobenzene	µg/L	1 U	1 U	1 U	3.2	1 U
Chloroform	µg/L	1 U	1	1 U	1.8	1 U
Chloromethane	µg/L	1 U	1 U	1 U	1 U	1 U
cis-1,3-Dichloropropene	µg/L	1 U	1 U	1 U	1 U	1 U
Dibromochloromethane	µg/L	1 U	1 U	1 U	1 U	1 U
Dichlorodifluoromethane	µg/L	1 U	1 U	1 U	1 U	1 U
Dichloromethane	µg/L	1 U	1 U	1 U	1 U	1 U
trans-1,3-Dichloropropene	µg/L	1 U	1 U	1 U	1 U	1 U
Trichlorofluoromethane	µg/L	1 U	1 U	1 U	0.71 J	1 U
Total Petroleum Hydrocarbons						
Diesel #2	µg/L	50 U	50 U	50 U	50 U	50 U
Gasoline	µg/L	50	50 U	50 U	50 U	50 U
Gasoline Range Hydrocarbons	µg/L	50	50 U	50 U	50 U	50 U
Lube Oil	µg/L	100 U	100 U	100 U	100 U	100 U
Paraffin Oils	µg/L	50 U	50 U	50 U	50 U	50 U
Mineral Spirits	µg/L	4600	50 U	50 U	1400	680
BTEX						
Benzene	µg/L	11	0.88 J	1 U	12	7.9
Toluene	µg/L	52	1 U	1 U	1.1	17
Ethylbenzene	µg/L	280	1 U	1 U	1 U	1.2

	Event	Fox-Ave TPH GW Sampling (October 2010)				
	Location	B-10A	B-11	B-18	B-39	B-52
	SampleID	**B-10A-11.5**	**B-11-12**	**B-18-11**	**B-39-11**	**B-52-10.5**
	Depth (bgs)	11.5 ft	12 ft	11 ft	11 ft	10.5 ft
	Sample Date	10/20/2010	10/20/2010	10/21/2010	10/20/2010	10/20/2010
BTEX						
Xylene (total)	µg/L	450	1 U	1 U	31	6.7
Semivolatile Organic Compounds						
Naphthalene	µg/L				4 U	
Hexachlorobutadiene	µg/L	4 U	4 U	4 U	4 U	4 U

	Event	Fox-Ave TPH GW Sampling (October 2010)				
	Location	B-58	B-59	B-59	B-60	B-61
	SampleID	**B-58-10.5**	**B-59-27.5**	**B-59C-27**	**B-60-11**	**B-61-41.5**
	Depth (bgs)	10.5 ft	27.5 ft	27.5 ft	11 ft	41.5 ft
	Sample Date	10/21/2010	10/21/2010	10/21/2010	10/21/2010	10/21/2010
Volatile Organic Compounds						
Tetrachloroethene	µg/L	430	1.2	1.1	420	0.82 J
Trichloroethene	µg/L	150	0.54 J	0.6 J	130	1 U
cis-1,2-Dichloroethene	µg/L	240	16	27	370	350
trans-1,2-Dichloroethene	µg/L	2.5	1 U	0.55 J	4.1	5.4
1,1-Dichloroethene	µg/L	3	0.9 J	0.76 J	4	1
Vinyl chloride	µg/L	12	8.7	7.9	38	710
1,1,1,2-Tetrachloroethane	µg/L	1 U	1 U	1 U	1 U	1 U
1,1,1-Trichloroethane	µg/L	1 U	1 U	1 U	1 U	1 U
1,1,2,2-Tetrachloroethane	µg/L	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichloroethane	µg/L	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	µg/L	1 U	1 U	1 U	0.61 J	4.6
Chloroethane	µg/L	1.4	0.99 J	0.89 J	18	3.6
1,1-Dichloropropene	µg/L	1 U	1 U	1 U	1 U	0.54 J
1,2,3-Trichlorobenzene	µg/L	4 U	4 U	4 U	4 U	4 U
1,2,3-Trichloropropane	µg/L	1 U	1 U	1 U	1 U	1 U
1,2,4-Trichlorobenzene	µg/L	2 U	2 U	2 U	2 U	2 U
1,2-Dibromo-3-chloropropane	µg/L	1 U	1 U	1 U	1 U	1 U
1,2-Dichlorobenzene	µg/L	0.55 J	1 U	1 U	1 U	1.2
1,2-Dichloroethane	µg/L	1 U	3.3	2.8	1 U	1 U
1,2-Dichloropropane	µg/L	1 U	2.9	3.3	1 U	1 U
1,3-Dichlorobenzene	µg/L	1 U	1 U	1 U	1 U	1 U
1,3-Dichloropropane	µg/L	1 U	1 U	1 U	1 U	1 U
1,4-Dichlorobenzene	µg/L	1 U	1 U	1 U	1 U	1 U
2,2-Dichloropropane	µg/L	2 U	2 U	2 U	2 U	2 U
2-Chlorotoluene	µg/L	1 U	1 U	1 U	1 U	1 U
4-Chlorotoluene	µg/L	1 U	1 U	1 U	1 U	1 U
Bromodichloromethane	µg/L	1 U	1 U	1 U	1 U	1 U
Carbon tetrachloride	µg/L	1 U	1 U	1 U	1 U	1 U
Chlorobenzene	µg/L	1 U	1 U	1 U	1 U	2.2
Chloroform	µg/L	1	1 U	1 U	16	1 U
Chloromethane	µg/L	1 U	1 U	1 U	1 U	1 U
cis-1,3-Dichloropropene	µg/L	1 U	1 U	1 U	1 U	1 U
Dibromochloromethane	µg/L	1 U	1 U	1 U	1 U	1 U
Dichlorodifluoromethane	µg/L	1 U	1 U	1 U	1 U	1 U
Dichloromethane	µg/L	1 U	1 U	1 U	1 U	1 U
trans-1,3-Dichloropropene	µg/L	1 U	1 U	1 U	1 U	1 U
Trichlorofluoromethane	µg/L	1 U	1 U	1 U	1 U	1 U
Total Petroleum Hydrocarbons						
Diesel #2	µg/L	50 U	50 U	50 U	50 U	50 U
Gasoline	µg/L	50	50 U	50 U	50 U	50 U
Gasoline Range Hydrocarbons	µg/L	50	50 U	50 U	50 U	50 U
Lube Oil	µg/L	100 U	100 U	100 U	100 U	100 U
Paraffin Oils	µg/L	50 U	50 U	50 U	50 U	50 U
Mineral Spirits	µg/L	50	50 U	50 U	50 U	80
BTEX						
Benzene	µg/L	1 U	1.3	1	1 U	4.5
Toluene	µg/L	1 U	1 U	1 U	1 U	0.78 J
Ethylbenzene	µg/L	1 U	1 U	1 U	1 U	1 U

	Event	Fox-Ave TPH GW Sampling (October 2010)				
	Location	B-58	B-59	B-59	B-60	B-61
	SampleID	**B-58-10.5**	**B-59-27.5**	**B-59C-27**	**B-60-11**	**B-61-41.5**
	Depth (bgs)	10.5 ft	27.5 ft	27.5 ft	11 ft	41.5 ft
	Sample Date	10/21/2010	10/21/2010	10/21/2010	10/21/2010	10/21/2010
BTEX						
Xylene (total)	µg/L	1 U	1 U	1 U	1 U	1.6
Semivolatile Organic Compounds						
Hexachlorobutadiene	µg/L	4 U	4 U	4 U	4 U	4 U

	Event	Fox-Ave TPH GW Sampling (October 2010)				
	Location	B-62	B-63	MW-10	MW-13	MW-14
	SampleID	**B-62-10.5**	**B-63-40.5**	**MW-10-24**	**MW-13-67.5**	**MW-14-57.5**
	Depth (bgs)	10.5 ft	40.5 ft	24 ft	67.5 ft	57.5 ft
	Sample Date	10/21/2010	10/21/2010	10/20/2010	10/20/2010	10/21/2010
Volatile Organic Compounds						
Tetrachloroethene	µg/L	660	1 U	1 U	27	0.94 J
Trichloroethene	µg/L	330	1 U	1 U	48	1 U
cis-1,2-Dichloroethene	µg/L	820	260	1800	3800	1100
trans-1,2-Dichloroethene	µg/L	16	1 U	78	120	9.1
1,1-Dichloroethene	µg/L	6.7	1 U	4.9	11	2
Vinyl chloride	µg/L	1400	66	1700	260	690
1,1,1,2-Tetrachloroethane	µg/L	1 U	1 U	1 U	1 U	1 U
1,1,1-Trichloroethane	µg/L	34	1 U	1 U	83	1 U
1,1,2,2-Tetrachloroethane	µg/L	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichloroethane	µg/L	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	µg/L	16	1.4	18	47	1 U
Chloroethane	µg/L	8.3	1 U	1 U	1 U	1 U
1,1-Dichloropropene	µg/L	1 U	1 U	1 U	1 U	1 U
1,2,3-Trichlorobenzene	µg/L	4 U	4 U	4 U	4 U	4 U
1,2,3-Trichloropropane	µg/L	1 U	1 U	1 U	1 U	1 U
1,2,4-Trichlorobenzene	µg/L	2 U	2 U	2 U	2 U	2 U
1,2-Dibromo-3-chloropropane	µg/L	1 U	1 U	1 U	1 U	1 U
1,2-Dichlorobenzene	µg/L	0.98 J	1 U	22	8.7	1.4
1,2-Dichloroethane	µg/L	1 U	1 U	1 U	1 U	1 U
1,2-Dichloropropane	µg/L	1 U	1 U	1 U	1 U	1 U
1,3-Dichlorobenzene	µg/L	1 U	1 U	1.3	1 U	1 U
1,3-Dichloropropane	µg/L	1 U	1 U	1 U	1 U	1 U
1,4-Dichlorobenzene	µg/L	1 U	1 U	6.4	1.6	2.9
2,2-Dichloropropane	µg/L	2 U	2 U	2 U	2 U	2 U
2-Chlorotoluene	µg/L	1 U	1 U	1 U	3.1	1 U
4-Chlorotoluene	µg/L	1 U	1 U	1 U	1.1	1 U
Bromodichloromethane	µg/L	1 U	1 U	1 U	1 U	1 U
Carbon tetrachloride	µg/L	1 U	1 U	1 U	1 U	1 U
Chlorobenzene	µg/L	1 U	1 U	1 U	1 U	8.5
Chloroform	µg/L	0.66 J	1 U	1 U	1 U	1 U
Chloromethane	µg/L	1 U	1 U	1 U	1 U	1 U
cis-1,3-Dichloropropene	µg/L	1 U	1 U	1 U	1 U	1 U
Dibromochloromethane	µg/L	1 U	1 U	1 U	1 U	1 U
Dichlorodifluoromethane	µg/L	1 U	1 U	1 U	1 U	1 U
Dichloromethane	µg/L	1 U	1 U	1 U	1 U	1 U
trans-1,3-Dichloropropene	µg/L	1 U	1 U	1 U	1 U	1 U
Trichlorofluoromethane	µg/L	1 U	1 U	1 U	1 U	1 U
Total Petroleum Hydrocarbons						
Diesel #2	µg/L	50 U	50 U	50 U	50 U	50 U
Diesel Range Hydrocarbons	µg/L					360
Gasoline	µg/L	50 U	50 U	50 U	50 U	50 U
Gasoline Range Hydrocarbons	µg/L	50 U	50 U	50 U	50 U	50 U
Lube Oil	µg/L	100 U	100 U	100 U	100 U	710
Paraffin Oils	µg/L	50 U	50 U	50 U	50 U	50 U
Mineral Spirits	µg/L	230	140	1800	1700	650
BTEX						
Benzene	µg/L	3.8	1 U	4.8	60	1 U
Toluene	µg/L	1 U	1 U	170	830	1.1

	Event	**Fox-Ave TPH GW Sampling (October 2010)**				
	Location	B-62	B-63	MW-10	MW-13	MW-14
	SampleID	**B-62-10.5**	**B-63-40.5**	**MW-10-24**	**MW-13-67.5**	**MW-14-57.5**
	Depth (bgs)	10.5 ft	40.5 ft	24 ft	67.5 ft	57.5 ft
	Sample Date	10/21/2010	10/21/2010	10/20/2010	10/20/2010	10/21/2010
BTEX						
Ethylbenzene	µg/L	1 U	1 U	120	76	36
Xylene (total)	µg/L	12	1 U	71	110	4.8
Semivolatile Organic Compounds						
Hexachlorobutadiene	µg/L	4 U	4 U	4 U	4 U	4 U

	Event	Fox-Ave TPH GW Sampling (October 2010)				
	Location	PTM-2L				
	SampleID	**PTM-2L-35**				
	Depth (bgs)	35 ft				
	Sample Date	10/20/2010				
Volatile Organic Compounds						
Tetrachloroethene	µg/L	1				
Trichloroethene	µg/L	140				
cis-1,2-Dichloroethene	µg/L	1300				
trans-1,2-Dichloroethene	µg/L	34				
1,1-Dichloroethene	µg/L	7.9				
Vinyl chloride	µg/L	790				
1,1,1,2-Tetrachloroethane	µg/L	1 U				
1,1,1-Trichloroethane	µg/L	1 U				
1,1,2,2-Tetrachloroethane	µg/L	1 U				
1,1,2-Trichloroethane	µg/L	1 U				
1,1-Dichloroethane	µg/L	16				
Chloroethane	µg/L	3.3				
1,1-Dichloropropene	µg/L	1 U				
1,2,3-Trichlorobenzene	µg/L	4 U				
1,2,3-Trichloropropane	µg/L	1 U				
1,2,4-Trichlorobenzene	µg/L	2 U				
1,2-Dibromo-3-chloropropane	µg/L	1 U				
1,2-Dichlorobenzene	µg/L	2.9				
1,2-Dichloroethane	µg/L	1 U				
1,2-Dichloropropane	µg/L	1 U				
1,3-Dichlorobenzene	µg/L	1 U				
1,3-Dichloropropane	µg/L	1 U				
1,4-Dichlorobenzene	µg/L	1 U				
2,2-Dichloropropane	µg/L	2 U				
2-Chlorotoluene	µg/L	1 U				
4-Chlorotoluene	µg/L	1 U				
Bromodichloromethane	µg/L	1 U				
Carbon tetrachloride	µg/L	1 U				
Chlorobenzene	µg/L	1 U				
Chloroform	µg/L	1 U				
Chloromethane	µg/L	1 U				
cis-1,3-Dichloropropene	µg/L	1 U				
Dibromochloromethane	µg/L	1 U				
Dichlorodifluoromethane	µg/L	1 U				
Dichloromethane	µg/L	1 U				
trans-1,3-Dichloropropene	µg/L	1 U				
Trichlorofluoromethane	µg/L	1 U				
Total Petroleum Hydrocarbons						
Diesel #2	µg/L	50 U				
Gasoline	µg/L	50 U				
Gasoline Range Hydrocarbons	µg/L	50 U				
Lube Oil	µg/L	100 U				
Paraffin Oils	µg/L	50 U				
Mineral Spirits	µg/L	500				
BTEX						
Benzene	µg/L	5				
Toluene	µg/L	0.49 J				
Ethylbenzene	µg/L	1 U				

		Event	**Fox-Ave TPH GW Sampling (October 2010)**				
		Location	PTM-2L				
		SampleID	**PTM-2L-35**				
		Depth (bgs)	35 ft				
		Sample Date	10/20/2010				
BTEX							
Xylene (total)	µg/L		1.2				
Semivolatile Organic Compounds							
Hexachlorobutadiene	µg/L		4 U				

	Event	Fox-Ave ERD Performance Monitoring Q5 (June 2010)				
	Location	R2-IW1	R2-IW1	R2-IW2	R2-IW2	R2-IW2
	SampleID	**R2-IW1-17-062810**	**R2-IW1-45-062810**	**R2-IW2-17-062810**	**Dup1-062810**	**R2-IW2-45-062810**
	Depth (bgs)	17 ft	45 ft	17 ft	45 ft	45 ft
	Sample Date	06/28/2010	06/28/2010	06/28/2010	06/28/2010	06/28/2010
Volatile Organic Compounds						
Tetrachloroethene	µg/L	10 U	10 U	20	18	10 U
Trichloroethene	µg/L	20 U	20 U	52	67	52
cis-1,2-Dichloroethene	µg/L	1200	1100	740	600	780
trans-1,2-Dichloroethene	µg/L	20 U	110	99	20 U	20 U
1,1-Dichloroethene	µg/L	10 U	10 U	10 U	10 U	10 U
Vinyl chloride	µg/L	250	260	230	1000	1100
1,1,1,2-Tetrachloroethane	µg/L	20 U	20 U	20 U	20 U	20 U
1,1,1-Trichloroethane	µg/L	20 U	20 U	20 U	20 U	20 U
1,1,2,2-Tetrachloroethane	µg/L	20 U	20 U	20 U	20 U	20 U
1,1,2-Trichloroethane	µg/L	20 U	20 U	20 U	20 U	20 U
1,1-Dichloroethane	µg/L	10 U	10 U	10 U	10 U	10 U
Chloroethane	µg/L	26	20 U	20 U	20 U	20 U
1,1-Dichloropropene	µg/L	20 U	20 U	20 U	20 U	20 U
1,2,3-Trichlorobenzene	µg/L	80 U	80 U	80 U	80 U	80 U
1,2,3-Trichloropropane	µg/L	20 U	20 U	20 U	20 U	20 U
1,2,4-Trichlorobenzene	µg/L	40 U	40 U	40 U	40 U	40 U
1,2-Dibromo-3-chloropropane	µg/L	20 U	20 U	20 U	20 U	20 U
1,2-Dichlorobenzene	µg/L	20 U	20 U	20 U	20 U	20 U
1,2-Dichloroethane	µg/L	10 U	10 U	10 U	10 U	10 U
1,2-Dichloropropane	µg/L	20 U	20 U	20 U	20 U	20 U
1,3-Dichlorobenzene	µg/L	20 U	20 U	20 U	20 U	20 U
1,3-Dichloropropane	µg/L	20 U	20 U	20 U	20 U	20 U
1,4-Dichlorobenzene	µg/L	20 U	20 U	20 U	20 U	20 U
2,2-Dichloropropane	µg/L	40 U	40 U	40 U	40 U	40 U
2-Chlorotoluene	µg/L	20 U	20 U	20 U	20 U	20 U
4-Chlorotoluene	µg/L	20 U	20 U	20 U	20 U	20 U
Bromodichloromethane	µg/L	20 U	20 U	20 U	20 U	20 U
Carbon tetrachloride	µg/L	20 U	20 U	20 U	20 U	20 U
Chlorobenzene	µg/L	20 U	20 U	20 U	20 U	20 U
Chloroform	µg/L	20 U	20 U	20 U	20 U	20 U
Chloromethane	µg/L	20 U	20 U	20 U	20 U	20 U
cis-1,3-Dichloropropene	µg/L	20 U	20 U	20 U	20 U	20 U
Dibromochloromethane	µg/L	20 U	20 U	20 U	20 U	20 U
Dichlorodifluoromethane	µg/L	20 U	20 U	20 U	20 U	20 U
Dichloromethane	µg/L	20 U	20 U	20 U	20 U	20 U
trans-1,3-Dichloropropene	µg/L	20 U	20 U	20 U	20 U	20 U
Trichlorofluoromethane	µg/L	20 U	20 U	20 U	20 U	20 U
BTEX						
Benzene	µg/L	20 U	20 U	20 U	20 U	20 U
Toluene	µg/L	20 U	20 U	20 U	20 U	20 U
Ethylbenzene	µg/L	20 U	20 U	20 U	20 U	20 U
Xylene (total)	µg/L	20 U	20 U	20 U	20 U	20 U
Semivolatile Organic Compounds						
Hexachlorobutadiene	µg/L	80 U	80 U	80 U	80 U	80 U
Conventionals						
Total Organic Carbon	mg/L	160	200	920		860

	Event	Fox-Ave ERD Performance Monitoring Q4 (January - May 2010)				
	Location	B-10A	B-13	B-15	B-18	B-19
	SampleID	**B-10A-051910**	**B-13-012010**	**B-15-012910**	**B-18-012110**	**B-19-012110**
	Depth (bgs)	12 ft	12 ft	18 ft	15 ft	46 ft
	Sample Date	05/19/2010	01/20/2010	01/29/2010	01/21/2010	01/21/2010
Volatile Organic Compounds						
Tetrachloroethene	µg/L	1 U	940		24	3.2
Trichloroethene	µg/L	19 J	52		15	1 U
cis-1,2-Dichloroethene	µg/L	8200	19		190	67
trans-1,2-Dichloroethene	µg/L	96	10 U		8.9	1 U
1,1-Dichloroethene	µg/L	1 U	10 U		2.2	1 U
Vinyl chloride	µg/L	1200	2 U		1200	19
1,1,1,2-Tetrachloroethane	µg/L	1 U	10 U		1 U	1 U
1,1,1-Trichloroethane	µg/L	1 U	10 U		1 U	1 U
1,1,2,2-Tetrachloroethane	µg/L	1 U	10 U		1 U	1 U
1,1,2-Trichloroethane	µg/L	1 U	10 U		1 U	1 U
1,1-Dichloroethane	µg/L	1 U	10 U		12	1 U
Chloroethane	µg/L	1 U	10 U		1.5	1 U
1,1-Dichloropropene	µg/L	1 U	10 U		1 U	1 U
1,2,3-Trichlorobenzene	µg/L	4 U	40 U		4 U	4 U
1,2,3-Trichloropropane	µg/L	1 U	10 U		1 U	1 U
1,2,4-Trichlorobenzene	µg/L	790	20 U		2 U	2 U
1,2-Dibromo-3-chloropropane	µg/L	1 U	10 U		1 U	1 U
1,2-Dichlorobenzene	µg/L	1 U	10 U		1 U	1 U
1,2-Dichloroethane	µg/L	1 U	10 U		1 U	1 U
1,2-Dichloropropane	µg/L	1 U	10 U		1 U	1 U
1,3-Dichlorobenzene	µg/L	1 U	10 U		1 U	1 U
1,3-Dichloropropane	µg/L	1 U	10 U		1 U	1 U
1,4-Dichlorobenzene	µg/L	1 U	10 U		1 U	1 U
2,2-Dichloropropane	µg/L	2 U	20 U		2 U	2 U
2-Chlorotoluene	µg/L	1 U	10 U		1 U	1 U
4-Chlorotoluene	µg/L	1 U	10 U		1 U	1 U
Bromodichloromethane	µg/L	1 U	10 U		1 U	1 U
Carbon tetrachloride	µg/L	1 U	10 U		1 U	1 U
Chlorobenzene	µg/L	1 U	10 U		1 U	1 U
Chloroform	µg/L	1 U	10 U		1 U	1 U
Chloromethane	µg/L	1 U	10 U		1 U	1 U
cis-1,3-Dichloropropene	µg/L	1 U	10 U		1 U	1 U
Dibromochloromethane	µg/L	1 U	10 U		1 U	1 U
Dichlorodifluoromethane	µg/L	1 U	10 U		1 U	1 U
Dichloromethane	µg/L	1 U	10 U		1 U	1 U
trans-1,3-Dichloropropene	µg/L	1 U	10 U		1 U	1 U
Trichlorofluoromethane	µg/L	1 U	10 U		1 U	1 U
Total Petroleum Hydrocarbons						
Diesel #2	µg/L			100 U		
Gasoline	µg/L			50 U		
Gasoline Range Hydrocarbons	µg/L			190		
Heavy Oil	µg/L			130 J		
Lube Oil	µg/L			200 U		
Paraffin Oils	µg/L			100 U		
BTEX						
Benzene	µg/L	1 U	10 U		1.4	1 U
Toluene	µg/L	1 U	10 U		1 U	1 U
Ethylbenzene	µg/L	290	10 U		1 U	1 U

	Event	Fox-Ave ERD Performance Monitoring Q4 (January - May 2010)				
	Location	B-10A	B-13	B-15	B-18	B-19
	SampleID	**B-10A-051910**	**B-13-012010**	**B-15-012910**	**B-18-012110**	**B-19-012110**
	Depth (bgs)	12 ft	12 ft	18 ft	15 ft	46 ft
	Sample Date	05/19/2010	01/20/2010	01/29/2010	01/21/2010	01/21/2010
BTEX						
Xylene (total)	µg/L	390	10 U		1 U	1 U
Semivolatile Organic Compounds						
Hexachlorobutadiene	µg/L	4 U	40 U		4 U	4 U
Conventionals						
Chloride	mg/L				46	51
Nitrate	mg/L				0.31	0.1 U
Nitrite	mg/L				0.1 U	0.1 U
Phosphate	mg/L				0.1 U	0.1 U
Sulfate	mg/L				36	27
Total Dissolved Solids	mg/L			618		
Total Organic Carbon	mg/L				12	4.3

	Event	Fox-Ave ERD Performance Monitoring Q4 (January - May 2010)				
	Location	B-19	B-22	B-22	B-23	B-30
	SampleID	**DUP2-012110**	**B-22-012010**	**DUP1-012010**	**B-23-012010**	**B-30-012910**
	Depth (bgs)	46 ft	10 ft	10 ft	29 ft	15 ft
	Sample Date	01/21/2010	01/20/2010	01/21/2010	01/20/2010	01/29/2010
Volatile Organic Compounds						
Tetrachloroethene	µg/L	3.7	460	440	0.35	
Trichloroethene	µg/L	1 U	330	320	7.5	
cis-1,2-Dichloroethene	µg/L	70	240	240	13	
trans-1,2-Dichloroethene	µg/L	1 U	67	67	0.86 J	
1,1-Dichloroethene	µg/L	1 U	3.1	3.1	1 U	
Vinyl chloride	µg/L	19	40	36	0.2 U	
1,1,1,2-Tetrachloroethane	µg/L	1 U	1 U	1 U	1 U	
1,1,1-Trichloroethane	µg/L	1 U	1 U	1 U	1 U	
1,1,2,2-Tetrachloroethane	µg/L	1 U	1 U	1 U	1 U	
1,1,2-Trichloroethane	µg/L	1 U	1 U	1 U	1 U	
1,1-Dichloroethane	µg/L	1 U	1 U	1 U	1 U	
Chloroethane	µg/L	1 U	1 U	1 U	1 U	
1,1-Dichloropropene	µg/L	1 U	1 U	1 U	1 U	
1,2,3-Trichlorobenzene	µg/L	4 U	4 U	4 U	4 U	
1,2,3-Trichloropropane	µg/L	1 U	1 U	1 U	1 U	
1,2,4-Trichlorobenzene	µg/L	2 U	2 U	2 U	2 U	
1,2-Dibromo-3-chloropropane	µg/L	1 U	1 U	1 U	1 U	
1,2-Dichlorobenzene	µg/L	1 U	1 U	1 U	1 U	
1,2-Dichloroethane	µg/L	1 U	1 U	1 U	1 U	
1,2-Dichloropropane	µg/L	1 U	1 U	1 U	1 U	
1,3-Dichlorobenzene	µg/L	1 U	1 U	1 U	1 U	
1,3-Dichloropropane	µg/L	1 U	1 U	1 U	1 U	
1,4-Dichlorobenzene	µg/L	1 U	1 U	1 U	1 U	
2,2-Dichloropropane	µg/L	2 U	2 U	2 U	2 U	
2-Chlorotoluene	µg/L	1 U	1 U	1 U	1 U	
4-Chlorotoluene	µg/L	1 U	1 U	1 U	1 U	
Bromodichloromethane	µg/L	1 U	1 U	1 U	1 U	
Carbon tetrachloride	µg/L	1 U	1 U	1 U	1 U	
Chlorobenzene	µg/L	1 U	1 U	1 U	1 U	
Chloroform	µg/L	1 U	1.9	1.9	1 U	
Chloromethane	µg/L	1 U	1 U	1 U	1 U	
cis-1,3-Dichloropropene	µg/L	1 U	1 U	1 U	1 U	
Dibromochloromethane	µg/L	1 U	1 U	1 U	1 U	
Dichlorodifluoromethane	µg/L	1 U	1 U	1 U	1 U	
Dichloromethane	µg/L	1 U	1 U	1 U	1 U	
trans-1,3-Dichloropropene	µg/L	1 U	1 U	1 U	1 U	
Trichlorofluoromethane	µg/L	1 U	1 U	1 U	1 U	
Total Petroleum Hydrocarbons						
Diesel #2	µg/L					100 U
Gasoline	µg/L					50 U
Gasoline Range Hydrocarbons	µg/L					6400
Heavy Oil	µg/L					1100
Lube Oil	µg/L					200 U
Paraffin Oils	µg/L					100 U
BTEX						
Benzene	µg/L	1 U	1 U	1 U	1 U	
Toluene	µg/L	1 U	1 U	1 U	1 U	
Ethylbenzene	µg/L	1 U	1 U	1 U	1 U	

	Event	Fox-Ave ERD Performance Monitoring Q4 (January - May 2010)				
	Location	B-19	B-22	B-22	B-23	B-30
	SampleID	**DUP2-012110**	**B-22-012010**	**DUP1-012010**	**B-23-012010**	**B-30-012910**
	Depth (bgs)	46 ft	10 ft	10 ft	29 ft	15 ft
	Sample Date	01/21/2010	01/20/2010	01/21/2010	01/20/2010	01/29/2010
BTEX						
Xylene (total)	µg/L	1 U	1 U	1 U	1 U	
Semivolatile Organic Compounds						
Hexachlorobutadiene	µg/L	4 U	4 U	4 U	4 U	
Conventionals						
Total Dissolved Solids	mg/L					952

	Event	Fox-Ave ERD Performance Monitoring Q4 (January - May 2010)				
	Location	B-33A	B-33A	B-33A	B-33A	B-34
	SampleID	**B-33A-011510**	**B-33A-021610**	**B-33A-041510**	**DUP2-041510**	**B-34-011510**
	Depth (bgs)	32 ft	32 ft	32 ft	32 ft	10 ft
	Sample Date	01/15/2010	02/16/2010	04/15/2010	04/15/2010	01/15/2010
Volatile Organic Compounds						
Tetrachloroethene	µg/L	10 U	5 U	20 U	20 U	8
Trichloroethene	µg/L	10 U	4.4 J	20 U	20 U	2.8
cis-1,2-Dichloroethene	µg/L	16	830	1600	1400	2.6
trans-1,2-Dichloroethene	µg/L	10 U	5 U	20 U	20 U	1 U
1,1-Dichloroethene	µg/L	10 U	5 U	20 U	20 U	1 U
Vinyl chloride	µg/L	27	1800	5500	4600	3.3
1,1,1,2-Tetrachloroethane	µg/L	10 U	5 U	20 U	20 U	1 U
1,1,1-Trichloroethane	µg/L	10 U	5 UJ	20 U	20 U	1 U
1,1,2,2-Tetrachloroethane	µg/L	10 U	5 U	20 U	20 U	1 U
1,1,2-Trichloroethane	µg/L	10 U	5 U	20 U	20 U	1 U
1,1-Dichloroethane	µg/L	10 U	12	41	36	1 U
Chloroethane	µg/L	10 U	5 U	20 U	20 U	1 U
1,1-Dichloropropene	µg/L	10 U	5 U	20 U	20 U	1 U
1,2,3-Trichlorobenzene	µg/L	40 U	20 U	80 U	80 U	4 U
1,2,3-Trichloropropane	µg/L	10 U	5 U	20 U	20 U	1 U
1,2,4-Trichlorobenzene	µg/L	20 U	10 U	40 U	40 U	2 U
1,2-Dibromo-3-chloropropane	µg/L	10 U	5 U	20 U	20 U	1 U
1,2-Dichlorobenzene	µg/L	10 U	5 U	20 U	20 U	1 U
1,2-Dichloroethane	µg/L	10 U	5 U	20 U	20 U	1 U
1,2-Dichloropropane	µg/L	10 U	5 U	20 U	20 U	1 U
1,3-Dichlorobenzene	µg/L	10 U	5 U	20 U	20 U	1 U
1,3-Dichloropropane	µg/L	10 U	5 U	20 U	20 U	1 U
1,4-Dichlorobenzene	µg/L	10 U	5 U	20 U	20 U	1 U
2,2-Dichloropropane	µg/L	20 U	10 U	40 U	40 U	2 U
2-Chlorotoluene	µg/L	10 U	5 U	20 U	20 U	1 U
4-Chlorotoluene	µg/L	10 U	5 U	20 U	20 U	1 U
Bromodichloromethane	µg/L	10 U	5 U	20 U	20 U	1 U
Carbon tetrachloride	µg/L	10 U	5 U	20 U	20 U	1 U
Chlorobenzene	µg/L	10 U	5 U	20 U	20 U	1 U
Chloroform	µg/L	10 U	5 U	20 U	20 U	1 U
Chloromethane	µg/L	10 U	5 U	20 U	20 U	1 U
cis-1,3-Dichloropropene	µg/L	10 U	5 U	20 U	20 U	1 U
Dibromochloromethane	µg/L	10 U	5 U	20 U	20 U	1 U
Dichlorodifluoromethane	µg/L	10 U	5 U	20 U	20 U	1 U
Dichloromethane	µg/L	10 U	5 U	20 U	20 U	1 U
trans-1,3-Dichloropropene	µg/L	10 U	5 U	20 U	20 U	1 U
Trichlorofluoromethane	µg/L	10 U	5 U	20 U	20 U	1 U
BTEX						
Benzene	µg/L	10 U	4.1 J	20 U	9.6 J	1 U
Toluene	µg/L	10 U	5 U	20 U	20 U	1 U
Ethylbenzene	µg/L	10 U	5 U	20 U	20 U	1 U
Xylene (total)	µg/L	10 U	5 U	20 U	20 U	1 U
Semivolatile Organic Compounds						
Hexachlorobutadiene	µg/L	40 U	20 U	80 U	80 U	4 U
Dissolved Gases						
Ethane	mg/L	0.005 U	0.005 U	14		
Ethene	mg/L	0.003 J	0.18	0.08		
Methane	mg/L	0.006	0.23	1.9		

	Event	Fox-Ave ERD Performance Monitoring Q4 (January - May 2010)				
	Location	B-34	B-35	B-36	B-47	B-56
	SampleID	**B-34-041510**	**B-35-012110**	**B-36-012110**	**B-47-012910**	**B-56-012010**
	Depth (bgs)	10 ft	27 ft	10 ft	13 ft	13 ft
	Sample Date	04/15/2010	01/21/2010	01/21/2010	01/29/2010	01/20/2010
Volatile Organic Compounds						
Tetrachloroethene	µg/L	11	10	22		180
Trichloroethene	µg/L	4.4	10 U	4		10 U
cis-1,2-Dichloroethene	µg/L	3.6	1200	39		7.7 J
trans-1,2-Dichloroethene	µg/L	1 U	13	0.91 J		10 U
1,1-Dichloroethene	µg/L	1 U	10 U	1 U		10 U
Vinyl chloride	µg/L	0.4	5000	1.4		2 U
1,1,1,2-Tetrachloroethane	µg/L	1 U	10 U	1 U		10 U
1,1,1-Trichloroethane	µg/L	1 U	10 U	1 U		10 U
1,1,2,2-Tetrachloroethane	µg/L	1 U	10 U	1 U		10 U
1,1,2-Trichloroethane	µg/L	1 U	10 U	1 U		10 U
1,1-Dichloroethane	µg/L	1 U	23	1 U		10 U
Chloroethane	µg/L	1 U	10 U	1 U		10 U
1,1-Dichloropropene	µg/L	1 U	10 U	1 U		10 U
1,2,3-Trichlorobenzene	µg/L	4 U	40 U	4 U		40 U
1,2,3-Trichloropropane	µg/L	1 U	10 U	1 U		10 U
1,2,4-Trichlorobenzene	µg/L	2 U	20 U	2 U		20 U
1,2-Dibromo-3-chloropropane	µg/L	1 U	10 U	1 U		10 U
1,2-Dichlorobenzene	µg/L	1 U	10 U	1 U		10 U
1,2-Dichloroethane	µg/L	1 U	10 U	1 U		10 U
1,2-Dichloropropane	µg/L	1 U	10 U	1 U		10 U
1,3-Dichlorobenzene	µg/L	1 U	10 U	1 U		10 U
1,3-Dichloropropane	µg/L	1 U	10 U	1 U		10 U
1,4-Dichlorobenzene	µg/L	1 U	10 U	1 U		10 U
2,2-Dichloropropane	µg/L	2 U	20 U	2 U		20 U
2-Chlorotoluene	µg/L	1 U	10 U	1 U		10 U
4-Chlorotoluene	µg/L	1 U	10 U	1 U		10 U
Bromodichloromethane	µg/L	1 U	10 U	1 U		10 U
Carbon tetrachloride	µg/L	1 U	10 U	1 U		10 U
Chlorobenzene	µg/L	1 U	10 U	1 U		10 U
Chloroform	µg/L	1 U	10 U	4.6		10 U
Chloromethane	µg/L	1 U	10 U	1 U		10 U
cis-1,3-Dichloropropene	µg/L	1 U	10 U	1 U		10 U
Dibromochloromethane	µg/L	1 U	10 U	1 U		10 U
Dichlorodifluoromethane	µg/L	1 U	10 U	1 U		10 U
Dichloromethane	µg/L	1 U	10 U	1 U		10 U
trans-1,3-Dichloropropene	µg/L	1 U	10 U	1 U		10 U
Trichlorofluoromethane	µg/L	1 U	10 U	1 U		10 U
Total Petroleum Hydrocarbons						
Diesel #2	µg/L				100 U	
Gasoline	µg/L				50 U	
Gasoline Range Hydrocarbons	µg/L				780	
Heavy Oil	µg/L				790	
Lube Oil	µg/L				200 U	
Paraffin Oils	µg/L				100 U	
BTEX						
Benzene	µg/L	1 U	10 U	1 U		10 U
Toluene	µg/L	1 U	10 U	1 U		10 U
Ethylbenzene	µg/L	1 U	10 U	1 U		10 U

	Event	Fox-Ave ERD Performance Monitoring Q4 (January - May 2010)				
	Location	B-34	B-35	B-36	B-47	B-56
	SampleID	**B-34-041510**	**B-35-012110**	**B-36-012110**	**B-47-012910**	**B-56-012010**
	Depth (bgs)	10 ft	27 ft	10 ft	13 ft	13 ft
	Sample Date	04/15/2010	01/21/2010	01/21/2010	01/29/2010	01/20/2010
BTEX						
Xylene (total)	µg/L	1 U	10 U	1 U		10 U
Semivolatile Organic Compounds						
Hexachlorobutadiene	µg/L	4 U	40 U	4 U		40 U
Conventionals						
Total Dissolved Solids	mg/L				1042	

	Event	Fox-Ave ERD Performance Monitoring Q4 (January - May 2010)				
	Location	B-57	B-58	B-59	B-60	B-60
	SampleID	**B-57-012110**	**B-58-012110**	**B-59-012110**	**B-60-011410**	**B-60-021610**
	Depth (bgs)	14 ft	11 ft	29 ft	10 ft	10 ft
	Sample Date	01/21/2010	01/21/2010	01/21/2010	01/14/2010	02/16/2010
Volatile Organic Compounds						
Tetrachloroethene	µg/L	150	670	45	17	42
Trichloroethene	µg/L	2	69	2.4	1 U	23
cis-1,2-Dichloroethene	µg/L	1.9	32	2.8	12	17
trans-1,2-Dichloroethene	µg/L	1 U	10 U	1 U	1 U	5 U
1,1-Dichloroethene	µg/L	1 U	10 U	1 U	1 U	5 U
Vinyl chloride	µg/L	0.2 U	5.7	1.7	12	3.8
1,1,1,2-Tetrachloroethane	µg/L	1 U	10 U	1 U	1 U	5 U
1,1,1-Trichloroethane	µg/L	1 U	10 U	1 U	1 U	5 U
1,1,2,2-Tetrachloroethane	µg/L	1 U	10 U	1 U	1 U	5 U
1,1,2-Trichloroethane	µg/L	1 U	10 U	1 U	1 U	5 U
1,1-Dichloroethane	µg/L	1 U	10 U	1 U	1 U	5 U
Chloroethane	µg/L	1 U	10 U	1.6	1 U	5 U
1,1-Dichloropropene	µg/L	1 U	10 U	1 U	1 U	5 U
1,2,3-Trichlorobenzene	µg/L	4 U	40 U	4 U	4 U	20 U
1,2,3-Trichloropropane	µg/L	1 U	10 U	1 U	1 U	5 U
1,2,4-Trichlorobenzene	µg/L	2 U	20 U	2 U	2 U	10 U
1,2-Dibromo-3-chloropropane	µg/L	1 U	10 U	1 U	1 U	5 U
1,2-Dichlorobenzene	µg/L	1 U	10 U	1 U	1 U	5 U
1,2-Dichloroethane	µg/L	1 U	10 U	1.6	1 U	5 U
1,2-Dichloropropane	µg/L	1 U	10 U	1 U	1 U	5 U
1,3-Dichlorobenzene	µg/L	1 U	10 U	1 U	1 U	5 U
1,3-Dichloropropane	µg/L	1 U	10 U	1 U	1 U	5 U
1,4-Dichlorobenzene	µg/L	1 U	10 U	1 U	1 U	5 U
2,2-Dichloropropane	µg/L	2 U	20 U	2 U	2 U	10 U
2-Chlorotoluene	µg/L	1 U	10 U	1 U	1 U	5 U
4-Chlorotoluene	µg/L	1 U	10 U	1 U	1 U	5 U
Bromodichloromethane	µg/L	1 U	10 U	1 U	1.3	5 U
Carbon tetrachloride	µg/L	1 U	10 U	1 U	1 U	5 U
Chlorobenzene	µg/L	1 U	10 U	1 U	1 U	5 U
Chloroform	µg/L	1 U	10 U	1 U	23	24
Chloromethane	µg/L	1 U	10 U	1 U	1 U	5 U
cis-1,3-Dichloropropene	µg/L	1 U	10 U	1 U	1 U	5 U
Dibromochloromethane	µg/L	1 U	10 U	1 U	1 U	5 U
Dichlorodifluoromethane	µg/L	1 U	10 U	1 U	1 U	5 U
Dichloromethane	µg/L	1 U	10 U	1 U	1 U	5 U
trans-1,3-Dichloropropene	µg/L	1 U	10 U	1 U	1 U	5 U
Trichlorofluoromethane	µg/L	1 U	10 U	1 U	1 U	5 U
BTEX						
Benzene	µg/L	1 U	10 U	1 U	1 U	5 U
Toluene	µg/L	1 U	10 U	1 U	1 U	5 U
Ethylbenzene	µg/L	1 U	10 U	1 U	1 U	5 U
Xylene (total)	µg/L	1 U	10 U	1 U	1 U	5 U
Semivolatile Organic Compounds						
Hexachlorobutadiene	µg/L	4 U	40 U	4 U	4 U	20 U
Conventionals						
Chloride	mg/L				4.0081	
Nitrate	mg/L				0.1 U	
Nitrite	mg/L				0.1 U	

	Event	**Fox-Ave ERD Performance Monitoring Q4 (January - May 2010)**				
	Location	B-57	B-58	B-59	B-60	B-60
	SampleID	**B-57-012110**	**B-58-012110**	**B-59-012110**	**B-60-011410**	**B-60-021610**
	Depth (bgs)	14 ft	11 ft	29 ft	10 ft	10 ft
	Sample Date	01/21/2010	01/21/2010	01/21/2010	01/14/2010	02/16/2010
Conventionals						
Phosphate	mg/L				0.2481	
Sulfate	mg/L				2.8054	

	Event	Fox-Ave ERD Performance Monitoring Q4 (January - May 2010)				
	Location	B-60	B-60	B-61	B-61	B-61
	SampleID	**B-60-041410**	**DUP1-041410**	**B-61-011410**	**B-61-021610**	**B-61-041410**
	Depth (bgs)	10 ft	10 ft	42 ft	42 ft	42 ft
	Sample Date	04/14/2010	04/14/2010	01/14/2010	02/16/2010	04/14/2010
Volatile Organic Compounds						
Tetrachloroethene	µg/L	25	28	10 U	14	20 U
Trichloroethene	µg/L	1.3	1.3	10 U	16	20 U
cis-1,2-Dichloroethene	µg/L	9.7	7.8	2300	2600	1300
trans-1,2-Dichloroethene	µg/L	1 U	1 U	29	24	16 J
1,1-Dichloroethene	µg/L	1 U	1 U	10 U	5.1	20 U
Vinyl chloride	µg/L	15	15	3900	2100	950
1,1,1,2-Tetrachloroethane	µg/L	1 U	1 U	10 U	5 U	20 U
1,1,1-Trichloroethane	µg/L	1 U	1 U	10 U	5 U	20 U
1,1,2,2-Tetrachloroethane	µg/L	1 U	1 U	10 U	5 U	20 U
1,1,2-Trichloroethane	µg/L	1 U	1 U	10 U	5 U	20 U
1,1-Dichloroethane	µg/L	1 U	1 U	10 U	5 U	20 U
Chloroethane	µg/L	1 U	1 U	10 U	5 U	20 U
1,1-Dichloropropene	µg/L	1 U	1 U	10 U	5 U	20 U
1,2,3-Trichlorobenzene	µg/L	4 U	4 U	40 U	20 U	80 U
1,2,3-Trichloropropane	µg/L	1 U	1 U	10 U	5 U	20 U
1,2,4-Trichlorobenzene	µg/L	2 U	2 U	20 U	10 U	40 U
1,2-Dibromo-3-chloropropane	µg/L	1 U	1 U	10 U	5 U	20 U
1,2-Dichlorobenzene	µg/L	1 U	1 U	10 U	5 U	20 U
1,2-Dichloroethane	µg/L	1 U	1 U	10 U	5 U	20 U
1,2-Dichloropropane	µg/L	1 U	1 U	10 U	5 U	20 U
1,3-Dichlorobenzene	µg/L	1 U	1 U	10 U	5 U	20 U
1,3-Dichloropropane	µg/L	1 U	1 U	10 U	5 U	20 U
1,4-Dichlorobenzene	µg/L	1 U	1 U	10 U	5 U	20 U
2,2-Dichloropropane	µg/L	2 U	2 U	20 U	10 U	40 U
2-Chlorotoluene	µg/L	1 U	1 U	10 U	5 U	20 U
4-Chlorotoluene	µg/L	1 U	1 U	10 U	5 U	20 U
Bromodichloromethane	µg/L	1 U	1 U	10 U	5 U	20 U
Carbon tetrachloride	µg/L	1 U	1 U	10 U	5 U	20 U
Chlorobenzene	µg/L	1 U	1 U	10 U	5 U	20 U
Chloroform	µg/L	20	21	10 U	5 U	20 U
Chloromethane	µg/L	1 U	1 U	10 U	5 U	20 U
cis-1,3-Dichloropropene	µg/L	1 U	1 U	10 U	5 U	20 U
Dibromochloromethane	µg/L	1 U	1 U	10 U	5 U	20 U
Dichlorodifluoromethane	µg/L	1 U	1 U	10 U	5 U	20 U
Dichloromethane	µg/L	1 U	1 U	10 U	5 U	20 U
trans-1,3-Dichloropropene	µg/L	1 U	1 U	10 U	5 U	20 U
Trichlorofluoromethane	µg/L	1 U	1 U	10 U	5 U	20 U
BTEX						
Benzene	µg/L	1 U	1 U	10 U	5 U	20 U
Toluene	µg/L	1 U	1 U	10 U	5 U	20 U
Ethylbenzene	µg/L	3.8	1.5	10 U	5 U	20 U
Xylene (total)	µg/L	1.7	0.7 J	10 U	5 U	20 U
Semivolatile Organic Compounds						
Hexachlorobutadiene	µg/L	4 U	4 U	40 U	20 U	80 U
Conventionals						
Chloride	mg/L			80		
Nitrate	mg/L			0.1 U		
Nitrite	mg/L			0.1 U		

	Event	Fox-Ave ERD Performance Monitoring Q4 (January - May 2010)				
	Location	B-60	B-60	B-61	B-61	B-61
	SampleID	**B-60-041410**	**DUP1-041410**	**B-61-011410**	**B-61-021610**	**B-61-041410**
	Depth (bgs)	10 ft	10 ft	42 ft	42 ft	42 ft
	Sample Date	04/14/2010	04/14/2010	01/14/2010	02/16/2010	04/14/2010
Conventionals						
Phosphate	mg/L			0.54		
Sulfate	mg/L			30		

	Event	Fox-Ave ERD Performance Monitoring Q4 (January - May 2010)				
	Location	B-62	B-63	B-64	B-64	B-65
	SampleID	**B-62-012110**	**B-63-012110**	**B-64-011410**	**B-64-021610**	**B-65-011410**
	Depth (bgs)	12 ft	43 ft	10 ft	10 ft	32 ft
	Sample Date	01/21/2010	01/21/2010	01/14/2010	02/16/2010	01/14/2010
Volatile Organic Compounds						
Tetrachloroethene	µg/L	130	10 U	31	22	100 U
Trichloroethene	µg/L	39	10 U	8.3	11	100 U
cis-1,2-Dichloroethene	µg/L	33	10000 J	23	39	5400
trans-1,2-Dichloroethene	µg/L	10 U	150	1 U	5 U	100 U
1,1-Dichloroethene	µg/L	10 U	27	1 U	5 U	100 U
Vinyl chloride	µg/L	49	10000 J	12	11	5800
1,1,1,2-Tetrachloroethane	µg/L	10 U	10 U	1 U	5 U	100 U
1,1,1-Trichloroethane	µg/L	10 U	10 U	1 U	5 U	100 U
1,1,2,2-Tetrachloroethane	µg/L	10 U	10 U	1 U	5 U	100 U
1,1,2-Trichloroethane	µg/L	10 U	10 U	1 U	5 U	100 U
1,1-Dichloroethane	µg/L	10 U	10 U	1 U	5 U	100 U
Chloroethane	µg/L	10 U	10 U	1 U	5 U	100 U
1,1-Dichloropropene	µg/L	10 U	10 U	1 U	5 U	100 U
1,2,3-Trichlorobenzene	µg/L	40 U	40 U	4 U	20 U	400 U
1,2,3-Trichloropropane	µg/L	10 U	10 U	1 U	5 U	100 U
1,2,4-Trichlorobenzene	µg/L	20 U	20 U	2 U	10 U	200 U
1,2-Dibromo-3-chloropropane	µg/L	10 U	10 U	1 U	5 U	100 U
1,2-Dichlorobenzene	µg/L	10 U	10 U	1 U	5 U	100 U
1,2-Dichloroethane	µg/L	10 U	10 U	1 U	5 U	100 U
1,2-Dichloropropane	µg/L	10 U	10 U	1 U	5 U	100 U
1,3-Dichlorobenzene	µg/L	10 U	10 U	1 U	5 U	100 U
1,3-Dichloropropane	µg/L	10 U	10 U	1 U	5 U	100 U
1,4-Dichlorobenzene	µg/L	10 U	10 U	1 U	5 U	100 U
2,2-Dichloropropane	µg/L	20 U	20 U	2 U	10 U	200 U
2-Chlorotoluene	µg/L	10 U	10 U	1 U	5 U	100 U
4-Chlorotoluene	µg/L	10 U	10 U	1 U	5 U	100 U
Bromodichloromethane	µg/L	10 U	10 U	1 U	5 U	100 U
Carbon tetrachloride	µg/L	10 U	10 U	1 U	5 U	100 U
Chlorobenzene	µg/L	10 U	10 U	1 U	5 U	100 U
Chloroform	µg/L	10 U	10 U	1 U	5 U	100 U
Chloromethane	µg/L	10 U	10 U	1 U	5 U	100 U
cis-1,3-Dichloropropene	µg/L	10 U	10 U	1 U	5 U	100 U
Dibromochloromethane	µg/L	10 U	10 U	1 U	5 U	100 U
Dichlorodifluoromethane	µg/L	10 U	10 U	1 U	5 U	100 U
Dichloromethane	µg/L	10 U	10 U	1 U	5 U	100 U
trans-1,3-Dichloropropene	µg/L	10 U	10 U	1 U	5 U	100 U
Trichlorofluoromethane	µg/L	10 U	10 U	1 U	5 U	100 U
BTEX						
Benzene	µg/L	10 U	14	1 U	5 U	100 U
Toluene	µg/L	10 U	80	1 U	5 U	100 U
Ethylbenzene	µg/L	10 U	10 U	1 U	5 U	100 U
Xylene (total)	µg/L	10 U	10 U	1 U	5 U	100 U
Semivolatile Organic Compounds						
Hexachlorobutadiene	µg/L	40 U	40 U	4 U	20 U	400 U
Dissolved Gases						
Ethane	mg/L					0.005 U
Ethene	mg/L					0.13
Methane	mg/L					0.18

	Event	Fox-Ave ERD Performance Monitoring Q4 (January - May 2010)				
	Location	B-65	B-65	MW-03	MW-03	MW-04
	SampleID	**B-65-021610**	**DUP1-021610**	**MW-3-011510**	**MW-3-042210**	**MW-4-011510**
	Depth (bgs)	32 ft	32 ft	10 ft	13 ft	40 ft
	Sample Date	02/16/2010	02/16/2010	01/15/2010	04/15/2010	01/15/2010
Volatile Organic Compounds						
Tetrachloroethene	µg/L	5 U	5 U	190	140	7 J
Trichloroethene	µg/L	4.3 J	4.8 J	55	39	15
cis-1,2-Dichloroethene	µg/L	5500	5400	37	31	3900
trans-1,2-Dichloroethene	µg/L	12	17	10 U	1 U	24
1,1-Dichloroethene	µg/L	10	9.7	10 U	0.7 J	13
Vinyl chloride	µg/L	3900	3600	16	25.96	3900
1,1,1,2-Tetrachloroethane	µg/L	5 U	5 U	10 U	1 U	10 U
1,1,1-Trichloroethane	µg/L	5 U	5 U	10 U	1 U	10 U
1,1,2,2-Tetrachloroethane	µg/L	5 U	5 U	10 U	1 U	10 U
1,1,2-Trichloroethane	µg/L	5 U	5 U	10 U	1 U	10 U
1,1-Dichloroethane	µg/L	5.7	6.1	10 U	1 U	7.7 J
Chloroethane	µg/L	5 U	5 U	10 U	1 U	10 U
1,1-Dichloropropene	µg/L	5 U	5 U	10 U	1 U	10 U
1,2,3-Trichlorobenzene	µg/L	20 U	20 U	40 U	4 U	40 U
1,2,3-Trichloropropane	µg/L	5 U	5 U	10 U	1 U	10 U
1,2,4-Trichlorobenzene	µg/L	10 U	10 U	20 U	2 U	20 U
1,2-Dibromo-3-chloropropane	µg/L	5 U	5 U	10 U	1 U	10 U
1,2-Dichlorobenzene	µg/L	5 U	5 U	10 U	1 U	10 U
1,2-Dichloroethane	µg/L	5 U	5 U	10 U	1 U	10 U
1,2-Dichloropropane	µg/L	5 U	5 U	10 U	1 U	10 U
1,3-Dichlorobenzene	µg/L	5 U	5 U	10 U	1 U	10 U
1,3-Dichloropropane	µg/L	5 U	5 U	10 U	1 U	10 U
1,4-Dichlorobenzene	µg/L	5 U	5 U	10 U	1 U	10 U
2,2-Dichloropropane	µg/L	10 U	10 U	20 U	2 U	20 U
2-Chlorotoluene	µg/L	5 U	5 U	10 U	1 U	10 U
4-Chlorotoluene	µg/L	5 U	5 U	10 U	1 U	10 U
Bromodichloromethane	µg/L	5 U	5 U	10 U	1 U	10 U
Carbon tetrachloride	µg/L	5 U	5 U	10 U	1 U	10 U
Chlorobenzene	µg/L	5 U	5 U	10 U	1 U	10 U
Chloroform	µg/L	5 U	5 U	10 U	6.03	10 U
Chloromethane	µg/L	5 U	5 U	10 U	1 U	10 U
cis-1,3-Dichloropropene	µg/L	5 U	5 U	10 U	1 U	10 U
Dibromochloromethane	µg/L	5 U	5 U	10 U	1 U	10 U
Dichlorodifluoromethane	µg/L	5 U	5 U	10 U	1 U	10 U
Dichloromethane	µg/L	5 U	5 U	10 U	1 U	10 U
trans-1,3-Dichloropropene	µg/L	5 U	5 U	10 U	1 U	10 U
Trichlorofluoromethane	µg/L	5 U	5 U	10 U	1 U	10 U
BTEX						
Benzene	µg/L	5 U	5 U	10 U	1 U	10 U
Toluene	µg/L	5 U	5 U	10 U	1 U	10 U
Ethylbenzene	µg/L	5 U	5 U	10 U	1 U	10 U
Xylene (total)	µg/L	5 U	5 U	10 U	1 U	10 U
Semivolatile Organic Compounds						
Hexachlorobutadiene	µg/L	20 U	20 U	40 U	4 U	40 U
Dissolved Gases						
Ethane	mg/L	0.005 U				0.005 U
Ethene	mg/L	0.22				0.016
Methane	mg/L	0.39				0.14

	Event	Fox-Ave ERD Performance Monitoring Q4 (January - May 2010)				
	Location	MW-04	MW-04	NW 1-1	NW 1-2	NW 2-1
	SampleID	**MW-4-042210**	**DUP1-042210**	**NW1-1-012010**	**NW1-2-012010**	**NW2-1-012010**
	Depth (bgs)	37 ft	37 ft	12 ft	12 ft	29 ft
	Sample Date	04/23/2010	04/23/2010	01/20/2010	01/20/2010	01/20/2010
Volatile Organic Compounds						
Tetrachloroethene	µg/L	4.2 J	4.4 J	1600	680	1 U
Trichloroethene	µg/L	20 U	20 U	60	24	1 U
cis-1,2-Dichloroethene	µg/L	3900	4000	21	40	1 U
trans-1,2-Dichloroethene	µg/L	17	18	20 U	10 U	1 U
1,1-Dichloroethene	µg/L	10	9.8 J	20 U	10 U	1 U
Vinyl chloride	µg/L	3100	3200	4 U	5.8	0.2 U
1,1,1,2-Tetrachloroethane	µg/L	20 U	20 U	20 U	10 U	1 U
1,1,1-Trichloroethane	µg/L	20 U	20 U	20 U	10 U	1 U
1,1,2,2-Tetrachloroethane	µg/L	20 U	20 U	20 U	10 U	1 U
1,1,2-Trichloroethane	µg/L	20 U	20 U	20 U	9.3 J	1 U
1,1-Dichloroethane	µg/L	15	10 U	20 U	10 U	1 U
Chloroethane	µg/L	20 U	20 U	20 U	10 U	1 U
1,1-Dichloropropene	µg/L	20 U	20 U	20 U	10 U	1 U
1,2,3-Trichlorobenzene	µg/L	80 U	80 U	80 U	40 U	4 U
1,2,3-Trichloropropane	µg/L	20 U	20 U	20 U	10 U	1 U
1,2,4-Trichlorobenzene	µg/L	40 U	40 U	40 U	20 U	2 U
1,2-Dibromo-3-chloropropane	µg/L	20 U	20 U	20 U	10 U	1 U
1,2-Dichlorobenzene	µg/L	20 U	20 U	20 U	10 U	1 U
1,2-Dichloroethane	µg/L	10 U	10 U	20 U	10 U	1 U
1,2-Dichloropropane	µg/L	20 U	20 U	20 U	10 U	1 U
1,3-Dichlorobenzene	µg/L	20 U	20 U	20 U	10 U	1 U
1,3-Dichloropropane	µg/L	20 U	20 U	20 U	10 U	1 U
1,4-Dichlorobenzene	µg/L	20 U	20 U	20 U	10 U	1 U
2,2-Dichloropropane	µg/L	40 U	40 U	40 U	20 U	2 U
2-Chlorotoluene	µg/L	20 U	20 U	20 U	10 U	1 U
4-Chlorotoluene	µg/L	20 U	20 U	20 U	10 U	1 U
Bromodichloromethane	µg/L	20 U	20 U	20 U	10 U	1 U
Carbon tetrachloride	µg/L	20 U	20 U	20 U	10 U	1 U
Chlorobenzene	µg/L	20 U	20 U	20 U	10 U	1 U
Chloroform	µg/L	20 U	20 U	20 U	10 U	1 U
Chloromethane	µg/L	20 U	20 U	20 U	10 U	1 U
cis-1,3-Dichloropropene	µg/L	20 U	20 U	20 U	10 U	1 U
Dibromochloromethane	µg/L	20 U	20 U	20 U	10 U	1 U
Dichlorodifluoromethane	µg/L	20 U	20 U	20 U	10 U	1 U
Dichloromethane	µg/L	20 U	20 U	20 U	10 U	1 U
trans-1,3-Dichloropropene	µg/L	20 U	20 U	20 U	10 U	1 U
Trichlorofluoromethane	µg/L	20 U	20 U	20 U	10 U	1 U
BTEX						
Benzene	µg/L	20 U	20 U	20 U	10 U	1 U
Toluene	µg/L	20 U	20 U	20 U	10 U	1 U
Ethylbenzene	µg/L	20 U	20 U	20 U	10 U	1 U
Xylene (total)	µg/L	20 U	20 U	20 U	10 U	1 U
Semivolatile Organic Compounds						
Hexachlorobutadiene	µg/L	80 U	80 U	80 U	40 U	4 U
Conventionals						
Chloride	mg/L			9.2		28
Nitrate	mg/L			3.9		0.13
Nitrite	mg/L			0.1 U		0.1 U

	Event	Fox-Ave ERD Performance Monitoring Q4 (January - May 2010)				
	Location	MW-04	MW-04	NW 1-1	NW 1-2	NW 2-1
	SampleID	**MW-4-042210**	**DUP1-042210**	**NW1-1-012010**	**NW1-2-012010**	**NW2-1-012010**
	Depth (bgs)	37 ft	37 ft	12 ft	12 ft	29 ft
	Sample Date	04/23/2010	04/23/2010	01/20/2010	01/20/2010	01/20/2010
Conventionals						
Phosphate	mg/L			0.23		0.33
Sulfate	mg/L			35		1.3
Total Organic Carbon	mg/L			3.9		6.5

	Event	Fox-Ave ERD Performance Monitoring Q4 (January - May 2010)				
	Location	NW 2-2	R1-IW1	R1-IW1	R1-IW1	R1-IW1
	SampleID	**NW2-2-012010**	**R1-IW1-45-011510**	**R1-IW1-60-011510**	**R1-IW1-60-041410**	**R1-IW1-60-041410-B**
	Depth (bgs)	29 ft	45 ft	60 ft	60 ft	60 ft
	Sample Date	01/20/2010	01/15/2010	01/15/2010	04/14/2010	04/14/2010
Volatile Organic Compounds						
Tetrachloroethene	µg/L	1 U	20 U	20 U	15	7.4 J
Trichloroethene	µg/L	1 U	25	24	30	18
cis-1,2-Dichloroethene	µg/L	1 U	770	740	750	430
trans-1,2-Dichloroethene	µg/L	1 U	20 U	20 U	9.4 J	10 U
1,1-Dichloroethene	µg/L	1 U	20 U	20 U	10 U	10 U
Vinyl chloride	µg/L	0.2 U	810	790	330	210
1,1,1,2-Tetrachloroethane	µg/L	1 U	20 U	20 U	10 U	10 U
1,1,1-Trichloroethane	µg/L	1 U	20 U	20 U	10 U	10 U
1,1,2,2-Tetrachloroethane	µg/L	1 U	20 U	20 U	10 U	10 U
1,1,2-Trichloroethane	µg/L	1 U	20 U	20 U	10 U	10 U
1,1-Dichloroethane	µg/L	1 U	20 U	20 U	10 U	10 U
Chloroethane	µg/L	1 U	20 U	20 U	10 U	10 U
1,1-Dichloropropene	µg/L	1 U	20 U	20 U	10 U	10 U
1,2,3-Trichlorobenzene	µg/L	4 U	80 U	80 U	40 U	40 U
1,2,3-Trichloropropane	µg/L	1 U	20 U	20 U	10 U	10 U
1,2,4-Trichlorobenzene	µg/L	2 U	40 U	40 U	20 U	20 U
1,2-Dibromo-3-chloropropane	µg/L	1 U	20 U	20 U	10 U	10 U
1,2-Dichlorobenzene	µg/L	1 U	20 U	20 U	10 U	10 U
1,2-Dichloroethane	µg/L	1 U	22	21	18	17
1,2-Dichloropropane	µg/L	1 U	20 U	20 U	10 U	10 U
1,3-Dichlorobenzene	µg/L	1 U	20 U	20 U	10 U	10 U
1,3-Dichloropropane	µg/L	1 U	20 U	20 U	10 U	10 U
1,4-Dichlorobenzene	µg/L	1 U	20 U	20 U	10 U	10 U
2,2-Dichloropropane	µg/L	2 U	40 U	40 U	20 U	20 U
2-Chlorotoluene	µg/L	1 U	20 U	20 U	10 U	10 U
4-Chlorotoluene	µg/L	1 U	20 U	20 U	10 U	10 U
Bromodichloromethane	µg/L	1 U	20 U	20 U	10 U	10 U
Carbon tetrachloride	µg/L	1 U	20 U	20 U	10 U	10 U
Chlorobenzene	µg/L	1 U	20 U	20 U	10 U	10 U
Chloroform	µg/L	1 U	20 U	20 U	10 U	10 U
Chloromethane	µg/L	1 U	20 U	20 U	10 U	10 U
cis-1,3-Dichloropropene	µg/L	1 U	20 U	20 U	10 U	10 U
Dibromochloromethane	µg/L	1 U	20 U	20 U	10 U	10 U
Dichlorodifluoromethane	µg/L	1 U	20 U	20 U	10 U	10 U
Dichloromethane	µg/L	1 U	20 U	20 U	10 U	10 U
trans-1,3-Dichloropropene	µg/L	1 U	20 U	20 U	10 U	10 U
Trichlorofluoromethane	µg/L	1 U	20 U	20 U	10 U	10 U
BTEX						
Benzene	µg/L	1 U	20 U	20 U	10 U	10 U
Toluene	µg/L	1 U	20 U	20 U	10 U	10 U
Ethylbenzene	µg/L	1 U	20 U	20 U	10 U	10 U
Xylene (total)	µg/L	1 U	20 U	20 U	10 U	10 U
Semivolatile Organic Compounds						
Hexachlorobutadiene	µg/L	4 U	80 U	80 U	40 U	40 U
Conventionals						
Total Organic Carbon	mg/L		3500	3400	6000	

	Event	Fox-Ave ERD Performance Monitoring Q4 (January - May 2010)				
	Location	R1-IW2	R1-IW2	R1-IW2	R1-IW2	R1-IW2
	SampleID	**R1-IW2-17-011410**	**DUP1-011410**	**R1-IW2-17-012910**	**R1-IW2-17-021610**	**R1-IW2-65-011410**
	Depth (bgs)	17 ft	17 ft	17 ft	17 ft	65 ft
	Sample Date	01/14/2010	01/14/2010	01/29/2010	02/16/2010	01/14/2010
Volatile Organic Compounds						
Tetrachloroethene	µg/L	20 U	1 U	3.1	13	20 U
Trichloroethene	µg/L	20 U	3.8	5.5	8.4	20 U
cis-1,2-Dichloroethene	µg/L	92	33	36	37	35
trans-1,2-Dichloroethene	µg/L	20 U	1.4	3 U	5 U	20 U
1,1-Dichloroethene	µg/L	20 U	1 U	3 U	5 U	20 U
Vinyl chloride	µg/L	110	110	88	76	90
1,1,1,2-Tetrachloroethane	µg/L	20 U	1 U	3 U	5 U	20 U
1,1,1-Trichloroethane	µg/L	20 U	1 U	3 U	5 U	20 U
1,1,2,2-Tetrachloroethane	µg/L	20 U	1 U	3 U	5 U	20 U
1,1,2-Trichloroethane	µg/L	20 U	1 U	3 U	5 U	20 U
1,1-Dichloroethane	µg/L	20 U	3.1	3 U	5 U	20 U
Chloroethane	µg/L	20 U	1 U	3 U	5 U	20 U
1,1-Dichloropropene	µg/L	20 U	1 U	3 U	5 U	20 U
1,2,3-Trichlorobenzene	µg/L	80 U	4 U	12 U	20 U	80 U
1,2,3-Trichloropropane	µg/L	20 U	1 U	3 U	5 U	20 U
1,2,4-Trichlorobenzene	µg/L	40 U	2 U	6 U	10 U	40 U
1,2-Dibromo-3-chloropropane	µg/L	20 U	1 U	3 U	5 U	20 U
1,2-Dichlorobenzene	µg/L	20 U	1.2	3 U	5 U	20 U
1,2-Dichloroethane	µg/L	20 U	8.2	6	7.1	20 U
1,2-Dichloropropane	µg/L	20 U	6.8	4.3	5.8	20 U
1,3-Dichlorobenzene	µg/L	20 U	1 U	3 U	5 U	20 U
1,3-Dichloropropane	µg/L	20 U	1 U	3 U	5 U	20 U
1,4-Dichlorobenzene	µg/L	20 U	1 U	3 U	5 U	20 U
2,2-Dichloropropane	µg/L	40 U	2 U	6 U	10 U	40 U
2-Chlorotoluene	µg/L	20 U	1 U	3 U	5 U	20 U
4-Chlorotoluene	µg/L	20 U	1 U	3 U	5 U	20 U
Bromodichloromethane	µg/L	20 U	1 U	3 U	5 U	20 U
Carbon tetrachloride	µg/L	20 U	1 U	3 U	5 U	20 U
Chlorobenzene	µg/L	20 U	1 U	3 U	5 U	20 U
Chloroform	µg/L	20 U	1 U	3 U	5 U	20 U
Chloromethane	µg/L	20 U	1 U	3 U	5 U	20 U
cis-1,3-Dichloropropene	µg/L	20 U	1 U	3 U	5 U	20 U
Dibromochloromethane	µg/L	20 U	1 U	3 U	5 U	20 U
Dichlorodifluoromethane	µg/L	20 U	1 U	3 U	5 U	20 U
Dichloromethane	µg/L	20 U	1 U	3 U	5 U	20 U
trans-1,3-Dichloropropene	µg/L	20 U	1 U	3 U	5 U	20 U
Trichlorofluoromethane	µg/L	20 U	1 U	3 U	5 U	20 U
BTEX						
Benzene	µg/L	20 U	2.6	3 U	5 U	20 U
Toluene	µg/L	20 U	1 U	3 U	4.4 J	20 U
Ethylbenzene	µg/L	20 U	1 U	3 U	4.4 J	20 U
Xylene (total)	µg/L	20 U	1 U	3 U	5 U	20 U
Semivolatile Organic Compounds						
Hexachlorobutadiene	µg/L	80 U	4 U	12 U	20 U	80 U
Conventionals						
Chloride	mg/L					14
Nitrate	mg/L					0.1 U

	Event	Fox-Ave ERD Performance Monitoring Q4 (January - May 2010)				
	Location	R1-IW2	R1-IW2	R1-IW2	R1-IW2	R1-IW2
	SampleID	**R1-IW2-17-011410**	**DUP1-011410**	**R1-IW2-17-012910**	**R1-IW2-17-021610**	**R1-IW2-65-011410**
	Depth (bgs)	17 ft	17 ft	17 ft	17 ft	65 ft
	Sample Date	01/14/2010	01/14/2010	01/29/2010	02/16/2010	01/14/2010
Conventionals						
Nitrite	mg/L					0.1 U
Phosphate	mg/L					0.92
Sulfate	mg/L					36
Total Organic Carbon	mg/L	2500		1500	930	3000

	Event	Fox-Ave ERD Performance Monitoring Q4 (January - May 2010)				
	Location	R1-IW2	R1-IW2	R1-IW4A	R1-IW4A	R1-IW4A
	SampleID	**R1-IW2-65-012910**	**R1-IW2-65-021610**	**R1-IW4A-11-011410**	**R1-IW4A-11-012910**	**R1-IW4A-11-021610**
	Depth (bgs)	65 ft	65 ft	11 ft	11 ft	11 ft
	Sample Date	01/29/2010	02/16/2010	01/14/2010	01/29/2010	02/16/2010
Volatile Organic Compounds						
Tetrachloroethene	µg/L	3 U	4.5 J	10 U	140	1700
Trichloroethene	µg/L	4	6.5	13	550	3600
cis-1,2-Dichloroethene	µg/L	32	45	3600	4300	6100
trans-1,2-Dichloroethene	µg/L	3 U	5 U	28	46	52
1,1-Dichloroethene	µg/L	3 U	5 U	10 U	3 U	7.5
Vinyl chloride	µg/L	85	71	350	420	170
1,1,1,2-Tetrachloroethane	µg/L	3 U	5 U	10 U	3 U	5 U
1,1,1-Trichloroethane	µg/L	3 U	5 U	10 U	3 U	5 U
1,1,2,2-Tetrachloroethane	µg/L	3 U	5 U	10 U	3 U	5 U
1,1,2-Trichloroethane	µg/L	3 U	5 U	10 U	3 U	5 U
1,1-Dichloroethane	µg/L	3 U	5 U	10 U	3.2	5 U
Chloroethane	µg/L	3 U	5 U	10 U	3 U	5 U
1,1-Dichloropropene	µg/L	3 U	5 U	10 U	3 U	5 U
1,2,3-Trichlorobenzene	µg/L	12 U	20 U	40 U	12 U	20 U
1,2,3-Trichloropropane	µg/L	3 U	5 U	10 U	3 U	5 U
1,2,4-Trichlorobenzene	µg/L	6 U	10 U	20 U	6 U	10 U
1,2-Dibromo-3-chloropropane	µg/L	3 U	5 U	10 U	3 U	5 U
1,2-Dichlorobenzene	µg/L	3 U	5 U	10 U	3 U	5.2
1,2-Dichloroethane	µg/L	5.9	6.3	10 U	3 U	5 U
1,2-Dichloropropane	µg/L	4.3	5	10 U	3 U	5 U
1,3-Dichlorobenzene	µg/L	3 U	5 U	10 U	3 U	5 U
1,3-Dichloropropane	µg/L	3 U	5 U	10 U	3 U	5 U
1,4-Dichlorobenzene	µg/L	3 U	5 U	10 U	3 U	5 U
2,2-Dichloropropane	µg/L	6 U	10 U	20 U	6 U	10 U
2-Chlorotoluene	µg/L	3 U	5 U	10 U	3 U	5 U
4-Chlorotoluene	µg/L	3 U	5 U	10 U	3 U	5 U
Bromodichloromethane	µg/L	3 U	5 U	10 U	3 U	5 U
Carbon tetrachloride	µg/L	3 U	5 U	10 U	3 U	5 U
Chlorobenzene	µg/L	3 U	5 U	10 U	3 U	5 U
Chloroform	µg/L	3 U	5 U	10 U	3 U	5 U
Chloromethane	µg/L	3 U	5 U	10 U	3 U	5 U
cis-1,3-Dichloropropene	µg/L	3 U	5 U	10 U	3 U	5 U
Dibromochloromethane	µg/L	3 U	5 U	10 U	3 U	5 U
Dichlorodifluoromethane	µg/L	3 U	5 U	10 U	3 U	5 U
Dichloromethane	µg/L	3 U	5 U	10 U	3 U	5 U
trans-1,3-Dichloropropene	µg/L	3 U	5 U	10 U	3 U	5 U
Trichlorofluoromethane	µg/L	3 U	5 U	10 U	3 U	5 U
BTEX						
Benzene	µg/L	3 U	5 U	10 U	3 U	5 U
Toluene	µg/L	3 U	4.2 J	10 U	3 U	5 U
Ethylbenzene	µg/L	3 U	5 U	10 U	3 U	5 U
Xylene (total)	µg/L	3 U	5 U	10 U	3 U	5 U
Semivolatile Organic Compounds						
Hexachlorobutadiene	µg/L	12 U	20 U	40 U	12 U	20 U
Conventionals						
Chloride	mg/L			120		
Nitrate	mg/L			0.1 U		

	Event	Fox-Ave ERD Performance Monitoring Q4 (January - May 2010)				
	Location	R1-IW2	R1-IW2	R1-IW4A	R1-IW4A	R1-IW4A
	SampleID	**R1-IW2-65-012910**	**R1-IW2-65-021610**	**R1-IW4A-11-011410**	**R1-IW4A-11-012910**	**R1-IW4A-11-021610**
	Depth (bgs)	65 ft	65 ft	11 ft	11 ft	11 ft
	Sample Date	01/29/2010	02/16/2010	01/14/2010	01/29/2010	02/16/2010
Conventionals						
Nitrite	mg/L			0.1 U		
Phosphate	mg/L			0.86		
Sulfate	mg/L			48		
Total Organic Carbon	mg/L	1700	1100	300	49	18

	Event	Fox-Ave ERD Performance Monitoring Q4 (January - May 2010)				
	Location	R1-IW4A	R1-IW4A	R1-IW4B	R1-IW4B	R1-IW4B
	SampleID	**DUP2-021610**	**R1-IW4A-11-041410**	**R1-IW4B-45-011410**	**R1-IW4B-45-012910**	**R1-IW4B-45-021610**
	Depth (bgs)	11 ft	11 ft	45 ft	45 ft	45 ft
	Sample Date	02/16/2010	04/14/2010	01/14/2010	01/29/2010	02/16/2010
Volatile Organic Compounds						
Tetrachloroethene	µg/L	2000	7.8 J	1 U	3.3	32
Trichloroethene	µg/L	4100	14 J	1 U	7.5	37
cis-1,2-Dichloroethene	µg/L	6700	2500	2.1	25	32
trans-1,2-Dichloroethene	µg/L	60	24	1 U	3 U	5 U
1,1-Dichloroethene	µg/L	9.2	20 U	1 U	3 U	5 U
Vinyl chloride	µg/L	190	210	98	62	84
1,1,1,2-Tetrachloroethane	µg/L	5 U	20 U	1 U	3 U	5 U
1,1,1-Trichloroethane	µg/L	5 U	20 U	1 U	3 U	5 U
1,1,2,2-Tetrachloroethane	µg/L	5 U	20 U	1 U	3 U	5 U
1,1,2-Trichloroethane	µg/L	5 U	20 U	1 U	3 U	5 U
1,1-Dichloroethane	µg/L	5 U	20 U	3	3 U	5 U
Chloroethane	µg/L	5 U	20 U	1 U	3 U	5 U
1,1-Dichloropropene	µg/L	5 U	20 U	1 U	3 U	5 U
1,2,3-Trichlorobenzene	µg/L	20 U	80 U	4 U	12 U	20 U
1,2,3-Trichloropropane	µg/L	5 U	20 U	1 U	3 U	5 U
1,2,4-Trichlorobenzene	µg/L	10 U	40 U	2 U	6 U	10 U
1,2-Dibromo-3-chloropropane	µg/L	5 U	20 U	1 U	3 U	5 U
1,2-Dichlorobenzene	µg/L	5.6	20 U	4.8	3 U	5 U
1,2-Dichloroethane	µg/L	5 U	20 U	1 U	3 U	5 U
1,2-Dichloropropane	µg/L	5 U	20 U	3	3 U	5 U
1,3-Dichlorobenzene	µg/L	5 U	20 U	1 U	3 U	5 U
1,3-Dichloropropane	µg/L	5 U	20 U	1 U	3 U	5 U
1,4-Dichlorobenzene	µg/L	5 U	20 U	1 U	3 U	5 U
2,2-Dichloropropane	µg/L	10 U	40 U	2 U	6 U	10 U
2-Chlorotoluene	µg/L	5 U	20 U	1 U	3 U	5 U
4-Chlorotoluene	µg/L	5 U	20 U	1 U	3 U	5 U
Bromodichloromethane	µg/L	5 U	20 U	1 U	3 U	5 U
Carbon tetrachloride	µg/L	5 U	20 U	1 U	3 U	5 U
Chlorobenzene	µg/L	5 U	20 U	1 U	3 U	5 U
Chloroform	µg/L	5 U	20 U	1 U	3 U	5 U
Chloromethane	µg/L	5 U	20 U	1 U	3 U	5 U
cis-1,3-Dichloropropene	µg/L	5 U	20 U	1 U	3 U	5 U
Dibromochloromethane	µg/L	5 U	20 U	1 U	3 U	5 U
Dichlorodifluoromethane	µg/L	5 U	20 U	1 U	3 U	5 U
Dichloromethane	µg/L	5 U	20 U	1 U	3 U	5 U
trans-1,3-Dichloropropene	µg/L	5 U	20 U	1 U	3 U	5 U
Trichlorofluoromethane	µg/L	5 U	20 U	1 U	3 U	5 U
BTEX						
Benzene	µg/L	5 U	20 U	1 U	3 U	5 U
Toluene	µg/L	5 U	20 U	1 U	3 U	5 U
Ethylbenzene	µg/L	5 U	20 U	1 U	3 U	4.5 J
Xylene (total)	µg/L	5 U	20 U	1 U	3 U	5 U
Semivolatile Organic Compounds						
Hexachlorobutadiene	µg/L	20 U	80 U	4 U	12 U	20 U
Conventionals						
Chloride	mg/L			24		
Nitrate	mg/L			0.18		

	Event	**Fox-Ave ERD Performance Monitoring Q4 (January - May 2010)**				
	Location	R1-IW4A	R1-IW4A	R1-IW4B	R1-IW4B	R1-IW4B
	SampleID	**DUP2-021610**	**R1-IW4A-11-041410**	**R1-IW4B-45-011410**	**R1-IW4B-45-012910**	**R1-IW4B-45-021610**
	Depth (bgs)	11 ft	11 ft	45 ft	45 ft	45 ft
	Sample Date	02/16/2010	04/14/2010	01/14/2010	01/29/2010	02/16/2010
Conventionals						
Nitrite	mg/L			0.1 U		
Phosphate	mg/L			0.1		
Sulfate	mg/L			35		
Total Organic Carbon	mg/L		550	1200	530	410
Dissolved Gases						
Ethane	mg/L		0.005 U			0.005 U
Ethene	mg/L		0.005 U			0.41
Methane	mg/L		3.8			5

	Event	Fox-Ave ERD Performance Monitoring Q4 (January - May 2010)				
	Location	R1-IW4B	R1-IW5	R1-IW6	R1-IW6	R1-IW6
	SampleID	**R1-IW4B-45-041410**	**R1-IW5-50-051910**	**R1-IW6-15-051910**	**Dup1-051910**	**R1-IW6-50-051910**
	Depth (bgs)	45 ft	50 ft	15 ft	50 ft	50 ft
	Sample Date	04/14/2010	05/19/2010	05/19/2010	05/19/2010	05/19/2010
Volatile Organic Compounds						
Tetrachloroethene	µg/L	1.13	1 U	1 U	1 U	1 U
Trichloroethene	µg/L	2	30 J	1 U	1 U	1 U
cis-1,2-Dichloroethene	µg/L	16	890	180	190	180
trans-1,2-Dichloroethene	µg/L	1.3	1 U	1 U	1 U	1 U
1,1-Dichloroethene	µg/L	1 U	1 U	1 U	1 U	1 U
Vinyl chloride	µg/L	130	360	550	630	650
1,1,1,2-Tetrachloroethane	µg/L	1 U	1 U	1 U	1 U	1 U
1,1,1-Trichloroethane	µg/L	1 U	1 U	1 U	1 U	1 U
1,1,2,2-Tetrachloroethane	µg/L	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichloroethane	µg/L	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	µg/L	2.7	1 U	12	14	15
Chloroethane	µg/L	1 U	1 U	1 U	1 U	1 U
1,1-Dichloropropene	µg/L	1 U	1 U	1 U	1 U	1 U
1,2,3-Trichlorobenzene	µg/L	4 U	4 U	4 U	4 U	4 U
1,2,3-Trichloropropane	µg/L	1 U	1 U	1 U	1 U	1 U
1,2,4-Trichlorobenzene	µg/L	2 U	2 U	2 U	2 U	2 U
1,2-Dibromo-3-chloropropane	µg/L	1 U	1 U	1 U	1 U	1 U
1,2-Dichlorobenzene	µg/L	3.2	22	1 U	1 U	1 U
1,2-Dichloroethane	µg/L	1 U	1 U	1 U	1 U	1 U
1,2-Dichloropropane	µg/L	2.8	1 U	1 U	1 U	1 U
1,3-Dichlorobenzene	µg/L	1 U	1 U	1 U	1 U	1 U
1,3-Dichloropropane	µg/L	1 U	1 U	1 U	1 U	1 U
1,4-Dichlorobenzene	µg/L	1 U	1 U	1 U	1 U	1 U
2,2-Dichloropropane	µg/L	2 U	2 U	2 U	2 U	2 U
2-Chlorotoluene	µg/L	1 U	1 U	1 U	1 U	1 U
4-Chlorotoluene	µg/L	1 U	1 U	1 U	1 U	1 U
Bromodichloromethane	µg/L	1 U	1 U	1 U	1 U	1 U
Carbon tetrachloride	µg/L	1 U	1 U	1 U	1 U	1 U
Chlorobenzene	µg/L	1 U	1 U	31	35	31
Chloroform	µg/L	1 U	1 U	1 U	1 U	1 U
Chloromethane	µg/L	1 U	1 U	1 U	1 U	1 U
cis-1,3-Dichloropropene	µg/L	1 U	1 U	1 U	1 U	1 U
Dibromochloromethane	µg/L	1 U	1 U	1 U	1 U	1 U
Dichlorodifluoromethane	µg/L	1 U	1 U	1 U	1 U	1 U
Dichloromethane	µg/L	1 U	1 U	1 U	1 U	1 U
trans-1,3-Dichloropropene	µg/L	1 U	1 U	1 U	1 U	1 U
Trichlorofluoromethane	µg/L	1 U	1 U	1 U	1 U	1 U
BTEX						
Benzene	µg/L	1.83	1 U	1 U	1 U	1 U
Toluene	µg/L	1 U	1 U	1 U	1 U	1 U
Ethylbenzene	µg/L	1.41	1 U	1 U	1 U	1 U
Xylene (total)	µg/L	1.1	1 U	1 U	1 U	1 U
Semivolatile Organic Compounds						
Hexachlorobutadiene	µg/L	4 U	4 U	4 U	4 U	4 U
Conventionals						
Total Organic Carbon	mg/L	1800		0.024		
Dissolved Gases						

	Event	**Fox-Ave ERD Performance Monitoring Q4 (January - May 2010)**				
	Location	R1-IW4B	R1-IW5	R1-IW6	R1-IW6	R1-IW6
	SampleID	**R1-IW4B-45-041410**	**R1-IW5-50-051910**	**R1-IW6-15-051910**	**Dup1-051910**	**R1-IW6-50-051910**
	Depth (bgs)	45 ft	50 ft	15 ft	50 ft	50 ft
	Sample Date	04/14/2010	05/19/2010	05/19/2010	05/19/2010	05/19/2010
Dissolved Gases						
Ethane	mg/L	0.005 U	0.024			0.256
Ethene	mg/L	0.005 U	0.005 U			0.005 U
Methane	mg/L	7.6	6.8			9.8

	Event	Fox-Ave ERD Performance Monitoring Q4 (January - May 2010)				
	Location	R1-IW7	R1-IW7	R1-IW7	R1-IW7	R1-IW7
	SampleID	**R1-IW7-17-011510**	**R1-IW7-17-012910**	**DUP1-012910**	**R1-IW7-17-021610**	**R1-IW7-45-011510**
	Depth (bgs)	17 ft	17 ft	45 ft	17 ft	45 ft
	Sample Date	01/15/2010	01/29/2010	01/29/2010	02/16/2010	01/15/2010
Volatile Organic Compounds						
Tetrachloroethene	µg/L	10 U	77	50	280	100 U
Trichloroethene	µg/L	13	170	120	350	97 J
cis-1,2-Dichloroethene	µg/L	52	360	710	700	380
trans-1,2-Dichloroethene	µg/L	10 U	22	30	21	100 U
1,1-Dichloroethene	µg/L	10 U	6.5	5.4	10	100 U
Vinyl chloride	µg/L	2 U	7500	8800	4200	6800
1,1,1,2-Tetrachloroethane	µg/L	10 U	3 U	3 U	5 U	100 U
1,1,1-Trichloroethane	µg/L	10 U	13	8.8	32	100 U
1,1,2,2-Tetrachloroethane	µg/L	10 U	3 U	3 U	5 U	100 U
1,1,2-Trichloroethane	µg/L	10 U	3 U	3 U	5 U	100 U
1,1-Dichloroethane	µg/L	10 U	46	54	68	100 U
Chloroethane	µg/L	10 U	13	10	14	100 U
1,1-Dichloropropene	µg/L	10 U	3 U	3 U	5 U	100 U
1,2,3-Trichlorobenzene	µg/L	40 U	12 U	12 U	20 U	400 U
1,2,3-Trichloropropane	µg/L	10 U	3 U	3 U	5 U	100 U
1,2,4-Trichlorobenzene	µg/L	20 U	6 U	6 U	10 U	200 U
1,2-Dibromo-3-chloropropane	µg/L	10 U	3 U	3 U	5 U	100 U
1,2-Dichlorobenzene	µg/L	10 U	24	29	24	100 U
1,2-Dichloroethane	µg/L	10 U	3 U	3	5 U	100 U
1,2-Dichloropropane	µg/L	10 U	3 U	3 U	5 U	100 U
1,3-Dichlorobenzene	µg/L	10 U	3 U	3 U	5 U	100 U
1,3-Dichloropropane	µg/L	10 U	3 U	3 U	5 U	100 U
1,4-Dichlorobenzene	µg/L	10 U	3 U	3 U	5 U	100 U
2,2-Dichloropropane	µg/L	20 U	6 U	6 U	10 U	200 U
2-Chlorotoluene	µg/L	10 U	3 U	3 U	5 U	100 U
4-Chlorotoluene	µg/L	10 U	3 U	3 U	5 U	100 U
Bromodichloromethane	µg/L	10 U	3 U	3 U	5 U	100
Carbon tetrachloride	µg/L	10 U	3 U	3 U	5 U	100 U
Chlorobenzene	µg/L	10 U	3 U	3 U	5 U	100 U
Chloroform	µg/L	10 U	3 U	3 U	5 U	100 U
Chloromethane	µg/L	10 U	3 U	3 U	5 U	100 U
cis-1,3-Dichloropropene	µg/L	10 U	3 U	3 U	5 U	100 U
Dibromochloromethane	µg/L	10 U	3 U	3 U	5 U	100 U
Dichlorodifluoromethane	µg/L	10 U	3 U	3 U	5 U	100 U
Dichloromethane	µg/L	10 U	3 U	3 U	5 U	100 U
trans-1,3-Dichloropropene	µg/L	10 U	3 U	3 U	5 U	100 U
Trichlorofluoromethane	µg/L	10 U	3 U	3 U	5 U	100 U
BTEX						
Benzene	µg/L	10 U	28	31	43	100 U
Toluene	µg/L	25	250	260	420	270
Ethylbenzene	µg/L	23	250	230	380	190
Xylene (total)	µg/L	11	110	110	180	90 J
Semivolatile Organic Compounds						
Hexachlorobutadiene	µg/L	40 U	12 U	12 U	20 U	400 U
Conventionals						
Total Organic Carbon	mg/L	10	15		9.9	36

	Event	Fox-Ave ERD Performance Monitoring Q4 (January - May 2010)				
	Location	R1-IW7	R1-IW7	R1-IW7	R2-IW1	R2-IW1
	SampleID	**R1-IW7-45-012910**	**R1-IW7-45-021610**	**R1-IW7-45-041410**	**R2-IW1-17-011510**	**DUP2-011510**
	Depth (bgs)	45 ft	45 ft	45 ft	17 ft	45 ft
	Sample Date	01/29/2010	02/16/2010	04/14/2010	01/15/2010	01/15/2010
Volatile Organic Compounds						
Tetrachloroethene	µg/L	48	90	1.2	35	35
Trichloroethene	µg/L	110	150	3.3	27	28
cis-1,2-Dichloroethene	µg/L	680	780	1000	3000	3000
trans-1,2-Dichloroethene	µg/L	29	26	22	28	28
1,1-Dichloroethene	µg/L	5.2	4.7 J	1.9	10	20 U
Vinyl chloride	µg/L	8700	6600	3500	810	940
1,1,1,2-Tetrachloroethane	µg/L	3 U	5 U	3.9	10 U	20 U
1,1,1-Trichloroethane	µg/L	8.6	13	10	10 U	20 U
1,1,2,2-Tetrachloroethane	µg/L	3 U	5 U	1 U	10 U	20 U
1,1,2-Trichloroethane	µg/L	3 U	5 U	1 U	10 U	20 U
1,1-Dichloroethane	µg/L	48	59	45	10 U	20 U
Chloroethane	µg/L	10	8.6	1 U	10 U	20 U
1,1-Dichloropropene	µg/L	3 U	5 U	1 U	10 U	20 U
1,2,3-Trichlorobenzene	µg/L	12 U	20 U	4 U	40 U	80 U
1,2,3-Trichloropropane	µg/L	3 U	5 U	260	10 U	20 U
1,2,4-Trichlorobenzene	µg/L	6 U	10 U	2 U	20 U	40 U
1,2-Dibromo-3-chloropropane	µg/L	3 U	5 U	38	10 U	20 U
1,2-Dichlorobenzene	µg/L	27	33	9	10 U	20 U
1,2-Dichloroethane	µg/L	3 U	5 U	1.7	10 U	20 U
1,2-Dichloropropane	µg/L	3 U	5 U	1.2	10 U	20 U
1,3-Dichlorobenzene	µg/L	3 U	5 U	1 U	10 U	20 U
1,3-Dichloropropane	µg/L	3 U	5 U	1 U	10 U	20 U
1,4-Dichlorobenzene	µg/L	3 U	5 U	1.8	10 U	20 U
2,2-Dichloropropane	µg/L	6 U	10 U	2 U	20 U	40 U
2-Chlorotoluene	µg/L	3 U	5 U	1 U	10 U	20 U
4-Chlorotoluene	µg/L	3 U	5 U	1 U	10 U	20 U
Bromodichloromethane	µg/L	3 U	5 U	1 U	10 U	20 U
Carbon tetrachloride	µg/L	3 U	5 U	1 U	10 U	20 U
Chlorobenzene	µg/L	3 U	5 U	1 U	10 U	20 U
Chloroform	µg/L	3 U	5 U	1 U	10 U	20 U
Chloromethane	µg/L	3 U	5 U	1 U	10 U	20 U
cis-1,3-Dichloropropene	µg/L	3 U	5 U	1 U	10 U	20 U
Dibromochloromethane	µg/L	3 U	5 U	1 U	10 U	20 U
Dichlorodifluoromethane	µg/L	3 U	5 U	1 U	10 U	20 U
Dichloromethane	µg/L	3 U	5 U	1 U	10 U	20 U
trans-1,3-Dichloropropene	µg/L	3 U	5 U	1 U	10 U	20 U
Trichlorofluoromethane	µg/L	3 U	5 U	1 U	10 U	20 U
BTEX						
Benzene	µg/L	30	47	32	10 U	20 U
Toluene	µg/L	250	510	300	10 U	20 U
Ethylbenzene	µg/L	220	400	1 U	10 U	20 U
Xylene (total)	µg/L	110	210	500	10 U	20 U
Semivolatile Organic Compounds						
Hexachlorobutadiene	µg/L	12 U	20 U	4 U	40 U	80 U
Conventionals						
Chloride	mg/L				36	
Nitrate	mg/L				0.1 U	

	Event	**Fox-Ave ERD Performance Monitoring Q4 (January - May 2010)**				
	Location	R1-IW7	R1-IW7	R1-IW7	R2-IW1	R2-IW1
	SampleID	**R1-IW7-45-012910**	**R1-IW7-45-021610**	**R1-IW7-45-041410**	**R2-IW1-17-011510**	**DUP2-011510**
	Depth (bgs)	45 ft	45 ft	45 ft	17 ft	45 ft
	Sample Date	01/29/2010	02/16/2010	04/14/2010	01/15/2010	01/15/2010
Conventionals						
Nitrite	mg/L				0.1 U	
Phosphate	mg/L				0.36	
Sulfate	mg/L				53	
Total Organic Carbon	mg/L	31	16	180	9500	
Dissolved Gases						
Ethane	mg/L		0.005 U	13		
Ethene	mg/L		0.38	0.005 U		
Methane	mg/L		0.26	6.5		

	Event	Fox-Ave ERD Performance Monitoring Q4 (January - May 2010)				
	Location	R2-IW1	R2-IW1	R2-IW1	R2-IW2	R2-IW3
	SampleID	**R2-IW1-45-011510**	**R2-IW1-45-021610**	**R2-IW1-45-042210**	**R2-IW2-45-042210**	**R2-IW3-17-011410**
	Depth (bgs)	45 ft	45 ft	45 ft	45 ft	17 ft
	Sample Date	01/15/2010	02/16/2010	04/23/2010	04/23/2010	01/14/2010
Volatile Organic Compounds						
Tetrachloroethene	µg/L	44	4.5 J	24	120	100 U
Trichloroethene	µg/L	28	6.5	24	160	100 U
cis-1,2-Dichloroethene	µg/L	2900	45	1900	3000	3000
trans-1,2-Dichloroethene	µg/L	28	5 U	27	65	100 U
1,1-Dichloroethene	µg/L	20 U	5 U	10 U	10 U	100 U
Vinyl chloride	µg/L	890	71	280	380	2100
1,1,1,2-Tetrachloroethane	µg/L	20 U	5 U	20 U	20 U	100 U
1,1,1-Trichloroethane	µg/L	20 U	5 U	20 U	20 U	100 U
1,1,2,2-Tetrachloroethane	µg/L	20 U	5 U	20 U	20 U	100 U
1,1,2-Trichloroethane	µg/L	20 U	5 U	20 U	20 U	100 U
1,1-Dichloroethane	µg/L	20 U	5 U	10 U	10 U	100 U
Chloroethane	µg/L	20 U	5 U	20 U	20 U	100 U
1,1-Dichloropropene	µg/L	20 U	5 U	20 U	20 U	100 U
1,2,3-Trichlorobenzene	µg/L	80 U	20 U	80 U	80 U	400 U
1,2,3-Trichloropropane	µg/L	20 U	5 U	20 U	20 U	100 U
1,2,4-Trichlorobenzene	µg/L	40 U	10 U	40 U	40 U	200 U
1,2-Dibromo-3-chloropropane	µg/L	20 U	5 U	20 U	20 U	100 U
1,2-Dichlorobenzene	µg/L	20 U	5 U	20 U	20 U	100 U
1,2-Dichloroethane	µg/L	20 U	6.3	8.2 J	10 U	100 U
1,2-Dichloropropane	µg/L	20 U	5 U	20 U	20 U	100 U
1,3-Dichlorobenzene	µg/L	20 U	5 U	20 U	20 U	100 U
1,3-Dichloropropane	µg/L	20 U	5 U	20 U	20 U	100 U
1,4-Dichlorobenzene	µg/L	20 U	5 U	20 U	20 U	100 U
2,2-Dichloropropane	µg/L	40 U	10 U	40 U	40 U	200 U
2-Chlorotoluene	µg/L	20 U	5 U	20 U	20 U	100 U
4-Chlorotoluene	µg/L	20 U	5 U	20 U	20 U	100 U
Bromodichloromethane	µg/L	20 U	5 U	20 U	20 U	100 U
Carbon tetrachloride	µg/L	20 U	5 U	20 U	20 U	100 U
Chlorobenzene	µg/L	20 U	5 U	20 U	20 U	100 U
Chloroform	µg/L	20 U	5 U	20 U	20 U	100 U
Chloromethane	µg/L	20 U	5 U	20 U	20 U	100 U
cis-1,3-Dichloropropene	µg/L	20 U	5 U	20 U	20 U	100 U
Dibromochloromethane	µg/L	20 U	5 U	20 U	20 U	100 U
Dichlorodifluoromethane	µg/L	20 U	5 U	20 U	20 U	100 U
Dichloromethane	µg/L	20 U	5 U	20 U	20 U	100 U
trans-1,3-Dichloropropene	µg/L	20 U	5 U	20 U	20 U	100 U
Trichlorofluoromethane	µg/L	20 U	5 U	20 U	20 U	100 U
BTEX						
Benzene	µg/L	20 U	5 U	20 U	20 U	100 U
Toluene	µg/L	20 U	4.2 J	20 U	20 U	100 U
Ethylbenzene	µg/L	20 U	5 U	20 U	20 U	100 U
Xylene (total)	µg/L	20 U	5 U	20 U	20 U	100 U
Semivolatile Organic Compounds						
Hexachlorobutadiene	µg/L	80 U	20 U	80 U	80 U	400 U
Conventionals						
Chloride	mg/L	37				
Nitrate	mg/L	0.36				

	Event	**Fox-Ave ERD Performance Monitoring Q4 (January - May 2010)**				
	Location	R2-IW1	R2-IW1	R2-IW1	R2-IW2	R2-IW3
	SampleID	**R2-IW1-45-011510**	**R2-IW1-45-021610**	**R2-IW1-45-042210**	**R2-IW2-45-042210**	**R2-IW3-17-011410**
	Depth (bgs)	45 ft	45 ft	45 ft	45 ft	17 ft
	Sample Date	01/15/2010	02/16/2010	04/23/2010	04/23/2010	01/14/2010
Conventionals						
Nitrite	mg/L	0.1 U				
Phosphate	mg/L	3.6				
Sulfate	mg/L	54				
Total Organic Carbon	mg/L	9700	1200	950		9700

	Event	Fox-Ave ERD Performance Monitoring Q4 (January - May 2010)				
	Location	R2-IW3	R2-IW3	R2-IW3	R2-IW3	R2-IW5
	SampleID	**R2-IW3-30-011410**	**R2-IW3-30-012910**	**R2-IW3-30-021610**	**R2-IW3-30-041410**	**R2-IW5-45-051910**
	Depth (bgs)	30 ft	30 ft	30 ft	30 ft	45 ft
	Sample Date	01/14/2010	01/29/2010	02/16/2010	04/14/2010	05/19/2010
Volatile Organic Compounds						
Tetrachloroethene	µg/L	10 U	3 U	5 U	2.7	6.2 J
Trichloroethene	µg/L	10 U	4.5	8.3	3.5	1 U
cis-1,2-Dichloroethene	µg/L	2700	6000	5800	5400	51
trans-1,2-Dichloroethene	µg/L	10 U	3.9	5 U	7.8	1 U
1,1-Dichloroethene	µg/L	10 U	13	9.8	6.2	1 U
Vinyl chloride	µg/L	1900	8500	6200	4300	76
1,1,1,2-Tetrachloroethane	µg/L	10 U	3 U	5 U	1 U	1 U
1,1,1-Trichloroethane	µg/L	10 U	3 U	5 U	1 U	1 U
1,1,2,2-Tetrachloroethane	µg/L	10 U	3 U	5 U	1 U	1 U
1,1,2-Trichloroethane	µg/L	10 U	3 U	5 U	1 U	1 U
1,1-Dichloroethane	µg/L	10 U	3.9	5 U	1 U	1 U
Chloroethane	µg/L	10 U	3 U	5 U	1 U	1 U
1,1-Dichloropropene	µg/L	10 U	3 U	5 U	1 U	1 U
1,2,3-Trichlorobenzene	µg/L	40 U	12 U	20 U	4 U	4 U
1,2,3-Trichloropropane	µg/L	10 U	3 U	5 U	1 U	1 U
1,2,4-Trichlorobenzene	µg/L	20 U	6 U	10 U	2 U	2 U
1,2-Dibromo-3-chloropropane	µg/L	10 U	3 U	5 U	1 U	1 U
1,2-Dichlorobenzene	µg/L	10 U	3 U	5 U	1 U	1 U
1,2-Dichloroethane	µg/L	10 U	3 U	5 U	1 U	1 U
1,2-Dichloropropane	µg/L	10 U	3 U	5 U	1 U	1 U
1,3-Dichlorobenzene	µg/L	10 U	3 U	5 U	1 U	1 U
1,3-Dichloropropane	µg/L	10 U	3 U	5 U	1 U	1 U
1,4-Dichlorobenzene	µg/L	10 U	3 U	5 U	1 U	1 U
2,2-Dichloropropane	µg/L	20 U	6 U	10 U	2 U	2 U
2-Chlorotoluene	µg/L	10 U	3 U	5 U	1 U	1 U
4-Chlorotoluene	µg/L	10 U	3 U	5 U	1 U	1 U
Bromodichloromethane	µg/L	10 U	3 U	5 U	1 U	1 U
Carbon tetrachloride	µg/L	10 U	3 U	5 U	1 U	1 U
Chlorobenzene	µg/L	10 U	3 U	5 U	1 U	1 U
Chloroform	µg/L	10 U	3 U	5 U	1 U	1 U
Chloromethane	µg/L	10 U	3 U	5 U	1 U	1 U
cis-1,3-Dichloropropene	µg/L	10 U	3 U	5 U	1 U	1 U
Dibromochloromethane	µg/L	10 U	3 U	5 U	1 U	1 U
Dichlorodifluoromethane	µg/L	10 U	3 U	5 U	1 U	1 U
Dichloromethane	µg/L	10 U	3 U	5 U	1 U	1 U
trans-1,3-Dichloropropene	µg/L	10 U	3 U	5 U	1 U	1 U
Trichlorofluoromethane	µg/L	10 U	3 U	5 U	1 U	1 U
BTEX						
Benzene	µg/L	10 U	3 U	5 U	2.3	1 U
Toluene	µg/L	10 U	3 U	4.3 J	3.9	1 U
Ethylbenzene	µg/L	10 U	3 U	5 U	6.2	1 U
Xylene (total)	µg/L	10 U	3 U	5 U	5	1 U
Semivolatile Organic Compounds						
Hexachlorobutadiene	µg/L	40 U	12 U	20 U	4 U	4 U
Conventionals						
Total Organic Carbon	mg/L	10200	5600	3200	3800	0.56
Dissolved Gases						

	Event	**Fox-Ave ERD Performance Monitoring Q4 (January - May 2010)**				
	Location	R2-IW3	R2-IW3	R2-IW3	R2-IW3	R2-IW5
	SampleID	**R2-IW3-30-011410**	**R2-IW3-30-012910**	**R2-IW3-30-021610**	**R2-IW3-30-041410**	**R2-IW5-45-051910**
	Depth (bgs)	30 ft	30 ft	30 ft	30 ft	45 ft
	Sample Date	01/14/2010	01/29/2010	02/16/2010	04/14/2010	05/19/2010
Dissolved Gases						
Ethane	mg/L			0.005 U	0.26	0.25
Ethene	mg/L			0.035	0.005 U	0.12
Methane	mg/L			0.23	2.2	11.1

	Event	Fox-Ave ERD Performance Monitoring Q4 (January - May 2010)				
	Location	R2-IW6	R2-IW6	R2-IW6	R2-IW6	R2-IW6
	SampleID	**R2-IW6-17-011510**	**R2-IW6-45-011510**	**R2-IW6-45-012910**	**R2-IW6-45-021610**	**R2-IW6-45-041510**
	Depth (bgs)	17 ft	45 ft	45 ft	45 ft	45 ft
	Sample Date	01/15/2010	01/15/2010	01/29/2010	02/16/2010	04/15/2010
Volatile Organic Compounds						
Tetrachloroethene	µg/L	20 U	10 U	3 U	5.6	10 U
Trichloroethene	µg/L	20 U	10 U	3.2	14	5.2 J
cis-1,2-Dichloroethene	µg/L	120	120	110	170	110
trans-1,2-Dichloroethene	µg/L	20 U	10 U	3 U	5 U	10 U
1,1-Dichloroethene	µg/L	20 U	10 U	3 U	5 U	10 U
Vinyl chloride	µg/L	340	300	520	510	240
1,1,1,2-Tetrachloroethane	µg/L	20 U	10 U	3 U	5 U	10 U
1,1,1-Trichloroethane	µg/L	20 U	10 U	3 U	5 U	10 U
1,1,2,2-Tetrachloroethane	µg/L	20 U	10 U	3 U	5 U	10 U
1,1,2-Trichloroethane	µg/L	20 U	10 U	3 U	5 U	10 U
1,1-Dichloroethane	µg/L	20 U	13	20	17	13
Chloroethane	µg/L	20 U	10 U	3 U	5 U	10 U
1,1-Dichloropropene	µg/L	20 U	10 U	3 U	5 U	10 U
1,2,3-Trichlorobenzene	µg/L	80 U	40 U	12 U	20 U	40 U
1,2,3-Trichloropropane	µg/L	20 U	10 U	3 U	5 U	10 U
1,2,4-Trichlorobenzene	µg/L	40 U	20 U	6 U	10 U	20 U
1,2-Dibromo-3-chloropropane	µg/L	20 U	10 U	3 U	5 U	10 U
1,2-Dichlorobenzene	µg/L	20 U	10 U	3 U	5 U	10 U
1,2-Dichloroethane	µg/L	20 U	10 U	3 U	5 U	10 U
1,2-Dichloropropane	µg/L	20 U	10 U	3 U	5 U	10 U
1,3-Dichlorobenzene	µg/L	20 U	10 U	3 U	5 U	10 U
1,3-Dichloropropane	µg/L	20 U	10 U	3 U	5 U	10 U
1,4-Dichlorobenzene	µg/L	20 U	10 U	3 U	5 U	10 U
2,2-Dichloropropane	µg/L	40 U	20 U	6 U	10 U	20 U
2-Chlorotoluene	µg/L	20 U	10 U	3 U	5 U	10 U
4-Chlorotoluene	µg/L	20 U	10 U	3 U	5 U	10 U
Bromodichloromethane	µg/L	20 U	10 U	3 U	5 U	10 U
Carbon tetrachloride	µg/L	20 U	10 U	3 U	5 U	10 U
Chlorobenzene	µg/L	20 U	10 U	3 U	5 U	10 U
Chloroform	µg/L	20 U	10 U	3 U	5 U	10 U
Chloromethane	µg/L	20 U	10 U	3 U	5 U	10 U
cis-1,3-Dichloropropene	µg/L	20 U	10 U	3 U	5 U	10 U
Dibromochloromethane	µg/L	20 U	10 U	3 U	5 U	10 U
Dichlorodifluoromethane	µg/L	20 U	10 U	3 U	5 U	10 U
Dichloromethane	µg/L	20 U	10 U	1 U	5 U	10 U
trans-1,3-Dichloropropene	µg/L	20 U	10 U	3 U	5 U	10 U
Trichlorofluoromethane	µg/L	20 U	10 U	3 U	5 U	10 U
BTEX						
Benzene	µg/L	20 U	10 U	6.6	6.6	5.4 J
Toluene	µg/L	20 U	10 U	2.1 J	5 U	10 U
Ethylbenzene	µg/L	20 U	10 U	3 U	5 U	10 U
Xylene (total)	µg/L	20 U	10 U	3 U	5 U	10 U
Semivolatile Organic Compounds						
Hexachlorobutadiene	µg/L	80 U	40 U	12 U	20 U	40 U
Conventionals						
Total Organic Carbon	mg/L	5700	5800	2500	970	4000
Dissolved Gases						

	Event	Fox-Ave ERD Performance Monitoring Q4 (January - May 2010)				
	Location	R2-IW6	R2-IW6	R2-IW6	R2-IW6	R2-IW6
	SampleID	**R2-IW6-17-011510**	**R2-IW6-45-011510**	**R2-IW6-45-012910**	**R2-IW6-45-021610**	**R2-IW6-45-041510**
	Depth (bgs)	17 ft	45 ft	45 ft	45 ft	45 ft
	Sample Date	01/15/2010	01/15/2010	01/29/2010	02/16/2010	04/15/2010
Dissolved Gases						
Ethane	mg/L		0.008			
Ethene	mg/L		0.012			
Methane	mg/L		0.15			

	Event	Fox-Ave ERD Performance Monitoring Q3 (November 2009)				
	Location	B-33A	B-34	B-58	B-59	B-60
	SampleID	**B-33a-102909**	**B-34-102909**	**B-58-102609**	**B-59-102609**	**B-60-102609**
	Depth (bgs)	30 ft	11 ft	10 ft	25 ft	10 ft
	Sample Date	10/29/2009	10/29/2009	10/26/2009	10/26/2009	10/26/2009
Volatile Organic Compounds						
Tetrachloroethene	µg/L	10 U	13	890	14	92
Trichloroethene	µg/L	10 U	3.6	140	1.7	2.6
cis-1,2-Dichloroethene	µg/L	3300	30	60	3.8	2.4
trans-1,2-Dichloroethene	µg/L	10 U	1 U	0.95 J	1.1	1 U
1,1-Dichloroethene	µg/L	10 U	1 U	0.95 J	1 U	1 U
Vinyl chloride	µg/L	4200	100	6.3	7.8	1.4
1,1,1,2-Tetrachloroethane	µg/L	10 U	1 U	1 U	1 U	1 U
1,1,1-Trichloroethane	µg/L	10 U	1 U	1 U	1 U	1 U
1,1,2,2-Tetrachloroethane	µg/L	10 U	1 U	1 U	1 U	1 U
1,1,2-Trichloroethane	µg/L	10 U	1 U	9.4	1 U	1 U
1,1-Dichloroethane	µg/L	31	2.52	1 U	1 U	1 U
Chloroethane	µg/L	10 U	1 U	1 U	1 U	1 U
1,1-Dichloropropene	µg/L	10 U	1 U	1 U	1 U	1 U
1,2,3-Trichlorobenzene	µg/L	40 U	4 U	4 U	4 U	4 U
1,2,3-Trichloropropane	µg/L	10 U	1 U	1 U	1 U	1 U
1,2,4-Trichlorobenzene	µg/L	20 U	2 U	2 U	2 U	2 U
1,2-Dibromo-3-chloropropane	µg/L	10 U	1 U	1 U	1 U	1 U
1,2-Dichlorobenzene	µg/L	10 U	1 U	1 U	1 U	1 U
1,2-Dichloroethane	µg/L	10 U	1 U	1 U	3.2	1 U
1,2-Dichloropropane	µg/L	10 U	1 U	1 U	3.9	1 U
1,3-Dichlorobenzene	µg/L	10 U	1 U	1 U	1 U	1 U
1,3-Dichloropropane	µg/L	10 U	1 U	1 U	1 U	1 U
1,4-Dichlorobenzene	µg/L	10 U	1 U	1 U	1 U	1 U
2,2-Dichloropropane	µg/L	20 U	2 U	2 U	2 U	2 U
2-Chlorotoluene	µg/L	10 U	1 U	1 U	1 U	1 U
4-Chlorotoluene	µg/L	10 U	1 U	1 U	1 U	1 U
Bromodichloromethane	µg/L	20 U	1 U	1 U	1 U	1.3
Carbon tetrachloride	µg/L	10 U	1 U	1 U	1 U	1 U
Chlorobenzene	µg/L	10 U	1 U	1 U	1 U	1 U
Chloroform	µg/L	10 U	1 U	5.2	1 U	21
Chloromethane	µg/L	10 U	1 U	1 U	1 U	1 U
cis-1,3-Dichloropropene	µg/L	10 U	1 U	1 U	1 U	1 U
Dibromochloromethane	µg/L	10 U	1 U	1 U	1 U	1 U
Dichlorodifluoromethane	µg/L	10 U	1 U	1 U	1 U	1 U
Dichloromethane	µg/L	10 U	1 U	1 U	1 U	1 U
trans-1,3-Dichloropropene	µg/L	10 U	1 U	1 U	1 U	1 U
Trichlorofluoromethane	µg/L	10 U	1 U	1 U	1 U	1 U
BTEX						
Benzene	µg/L	10	1 U	1 U	1 U	1 U
Toluene	µg/L	10 U	1 U	1 U	1 U	1 U
Ethylbenzene	µg/L	10 U	1 U	1 U	1 U	1 U
Xylene (total)	µg/L	10 U	1 U	1 U	1 U	1 U
Semivolatile Organic Compounds						
Hexachlorobutadiene	µg/L	40 U	4 U	4 U	4 U	4 U
Dissolved Metals						
Arsenic	mg/L	0.002 U	0.002 U			0.002 U
Iron	mg/L	24	0.51			0.1 U
Manganese	mg/L	0.93	0.089			0.005 U

	Event	**Fox-Ave ERD Performance Monitoring Q3 (November 2009)**				
	Location	B-33A	B-34	B-58	B-59	B-60
	SampleID	**B-33a-102909**	**B-34-102909**	**B-58-102609**	**B-59-102609**	**B-60-102609**
	Depth (bgs)	30 ft	11 ft	10 ft	25 ft	10 ft
	Sample Date	10/29/2009	10/29/2009	10/26/2009	10/26/2009	10/26/2009
Dissolved Gases						
Ethane	mg/L					0.005 U
Ethene	mg/L					0.005 U
Methane	mg/L					0.012

	Event	Fox-Ave ERD Performance Monitoring Q3 (November 2009)				
	Location	B-61	B-64	B-65	MW-03	MW-04
	SampleID	**B-61-102609**	**B-64-102909**	**B-65-102909**	**MW-3-102809**	**MW-4-102809**
	Depth (bgs)	40 ft	10 ft	30 ft	10 ft	40 ft
	Sample Date	10/26/2009	10/29/2009	10/29/2009	10/28/2009	10/28/2009
Volatile Organic Compounds						
Tetrachloroethene	µg/L	10 U	150	100 U	270	12
Trichloroethene	µg/L	10 U	29	100 U	52	10 U
cis-1,2-Dichloroethene	µg/L	1100	42	1500	42	3600
trans-1,2-Dichloroethene	µg/L	14	1 U	100 U	10 U	38
1,1-Dichloroethene	µg/L	10 U	1 U	100 U	10 U	10 U
Vinyl chloride	µg/L	1200	7.84	1800	12	2500
1,1,1,2-Tetrachloroethane	µg/L	10 U	1 U	100 U	10 U	10 U
1,1,1-Trichloroethane	µg/L	10 U	1 U	100 U	10 U	10 U
1,1,2,2-Tetrachloroethane	µg/L	10 U	1 U	100 U	10 U	10 U
1,1,2-Trichloroethane	µg/L	10 U	1 U	100 U	10 U	10 U
1,1-Dichloroethane	µg/L	10 U	1 U	100 U	10 U	10 U
Chloroethane	µg/L	10 U	1 U	100 U	10 U	10 U
1,1-Dichloropropene	µg/L	10 U	1 U	100 U	10 U	10 U
1,2,3-Trichlorobenzene	µg/L	40 U	4 U	400 U	40 U	40 U
1,2,3-Trichloropropane	µg/L	10 U	1 U	100 U	10 U	10 U
1,2,4-Trichlorobenzene	µg/L	20 U	2 U	200 U	20 U	20 U
1,2-Dibromo-3-chloropropane	µg/L	10 U	1 U	100 U	10 U	10 U
1,2-Dichlorobenzene	µg/L	10 U	1 U	100 U	10 U	10 U
1,2-Dichloroethane	µg/L	10 U	1 U	100 U	10 U	10 U
1,2-Dichloropropane	µg/L	10 U	1 U	100 U	10 U	10 U
1,3-Dichlorobenzene	µg/L	10 U	1 U	100 U	10 U	10 U
1,3-Dichloropropane	µg/L	10 U	1 U	100 U	10 U	10 U
1,4-Dichlorobenzene	µg/L	10 U	1 U	100 U	10 U	10 U
2,2-Dichloropropane	µg/L	20 U	2 U	200 U	20 U	20 U
2-Chlorotoluene	µg/L	10 U	1 U	100 U	10 U	10 U
4-Chlorotoluene	µg/L	10 U	1 U	100 U	10 U	10 U
Bromodichloromethane	µg/L	10 U	1 U	100 U	20 U	20 U
Carbon tetrachloride	µg/L	10 U	1 U	100 U	10 U	10 U
Chlorobenzene	µg/L	10 U	1 U	100 U	10 U	10 U
Chloroform	µg/L	10 U	1 U	100 U	10 U	10 U
Chloromethane	µg/L	10 U	1 U	100 U	10 U	10 U
cis-1,3-Dichloropropene	µg/L	10 U	1 U	100 U	10 U	10 U
Dibromochloromethane	µg/L	10 U	1 U	100 U	10 U	10 U
Dichlorodifluoromethane	µg/L	10 U	1 U	100 U	10 U	10 U
Dichloromethane	µg/L	10 U	1 U	100 U	10 U	10 U
trans-1,3-Dichloropropene	µg/L	10 U	1 U	100 U	10 U	10 U
Trichlorofluoromethane	µg/L	10 U	1 U	100 U	10 U	10 U
BTEX						
Benzene	µg/L	10 U	1 U	100 U	10 U	10 U
Toluene	µg/L	10 U	1 U	100 U	10 U	10 U
Ethylbenzene	µg/L	10 U	1 U	100 U	10 U	10 U
Xylene (total)	µg/L	10 U	1 U	100 U	10 U	10 U
Semivolatile Organic Compounds						
Hexachlorobutadiene	µg/L	40 U	4 U	400 U	40 U	40 U
Dissolved Metals						
Arsenic	mg/L	0.002 U				
Iron	mg/L	11				
Manganese	mg/L	1.4				

	Event	**Fox-Ave ERD Performance Monitoring Q3 (November 2009)**				
	Location	B-61	B-64	B-65	MW-03	MW-04
	SampleID	**B-61-102609**	**B-64-102909**	**B-65-102909**	**MW-3-102809**	**MW-4-102809**
	Depth (bgs)	40 ft	10 ft	30 ft	10 ft	40 ft
	Sample Date	10/26/2009	10/29/2009	10/29/2009	10/28/2009	10/28/2009
Dissolved Gases						
Ethane	mg/L	0.005 U	0.005 U	0.21		
Ethene	mg/L	2.3	0.005 U	3.8		
Methane	mg/L	4.7	0.22	2.9		

	Event	Fox-Ave ERD Performance Monitoring Q3 (November 2009)				
	Location	MW-05	MW-06	R1-IW1	R1-IW2	R1-IW2
	SampleID	**MW-5-102709**	**MW-6-102709**	**R1-IW1-60-102609**	**R1-IW2-60-102709**	**Dup1-102709**
	Depth (bgs)	10 ft	40 ft	60 ft	60 ft	60 ft
	Sample Date	10/27/2009	10/27/2009	10/26/2009	10/27/2009	10/27/2009
Volatile Organic Compounds						
Tetrachloroethene	µg/L	4.1	150	25	3.9	2.8
Trichloroethene	µg/L	1 U	93	68	3.1	3.2
cis-1,2-Dichloroethene	µg/L	28	120	2500	86	78
trans-1,2-Dichloroethene	µg/L	1 U	1 U	27	1.4	2.2
1,1-Dichloroethene	µg/L	1 U	1 U	20 U	1 U	1 U
Vinyl chloride	µg/L	100	28	150	50	45
1,1,1,2-Tetrachloroethane	µg/L	1 U	1 U	20 U	1 U	1 U
1,1,1-Trichloroethane	µg/L	1 U	1 U	20 U	1 U	1 U
1,1,2,2-Tetrachloroethane	µg/L	1 U	1 U	20 U	1 U	1 U
1,1,2-Trichloroethane	µg/L	1 U	1 U	20 U	1 U	1 U
1,1-Dichloroethane	µg/L	1 U	1 U	20 U	1 U	1 U
Chloroethane	µg/L	1 U	1 U	20 U	1 U	1 U
1,1-Dichloropropene	µg/L	1 U	1 U	20 U	1 U	1 U
1,2,3-Trichlorobenzene	µg/L	4 U	4 U	80 U	4 U	4 U
1,2,3-Trichloropropane	µg/L	1 U	1 U	20 U	1 U	1 U
1,2,4-Trichlorobenzene	µg/L	2 U	2 U	40 U	2 U	2 U
1,2-Dibromo-3-chloropropane	µg/L	1 U	1 U	20 U	1 U	1 U
1,2-Dichlorobenzene	µg/L	1 U	1 U	20 U	1.9	1 U
1,2-Dichloroethane	µg/L	1 U	1 U	18 J	7.3	7
1,2-Dichloropropane	µg/L	1 U	1 U	20 U	9.6	8.6
1,3-Dichlorobenzene	µg/L	1 U	1 U	20 U	1 U	1 U
1,3-Dichloropropane	µg/L	1 U	1 U	20 U	1 U	1 U
1,4-Dichlorobenzene	µg/L	1 U	1 U	20 U	1 U	1 U
2,2-Dichloropropane	µg/L	2 U	2 U	40 U	2 U	2 U
2-Chlorotoluene	µg/L	1 U	1 U	20 U	1 U	1 U
4-Chlorotoluene	µg/L	1 U	1 U	20 U	1 U	1 U
Bromodichloromethane	µg/L	1 U	1 U	20 U	1 U	1 U
Carbon tetrachloride	µg/L	1 U	1 U	20 U	1 U	1 U
Chlorobenzene	µg/L	1 U	1 U	20 U	1 U	1 U
Chloroform	µg/L	1 U	1 U	20 U	1 U	1 U
Chloromethane	µg/L	1 U	1 U	20 U	1 U	1 U
cis-1,3-Dichloropropene	µg/L	1 U	1 U	20 U	1 U	1 U
Dibromochloromethane	µg/L	1 U	1 U	20 U	1 U	1 U
Dichlorodifluoromethane	µg/L	1 U	1 U	20 U	1 U	1 U
Dichloromethane	µg/L	1 U	1 U	20 U	1 U	1 U
trans-1,3-Dichloropropene	µg/L	1 U	1 U	20 U	1 U	1 U
Trichlorofluoromethane	µg/L	1 U	1 U	20 U	1 U	1 U
BTEX						
Benzene	µg/L	1 U	1 U	20 U	4.6	3.8
Toluene	µg/L	1 U	1 U	20 U	1 U	1 U
Ethylbenzene	µg/L	1 U	1 U	20 U	1.9	0.8 J
Xylene (total)	µg/L	1 U	1 U	20 U	1.7	1 U
Semivolatile Organic Compounds						
Hexachlorobutadiene	µg/L	4 U	4 U	80 U	4 U	4 U
Conventionals						
Chloride	mg/L				25	
Nitrate	mg/L				0.1033	

	Event	Fox-Ave ERD Performance Monitoring Q3 (November 2009)				
	Location	MW-05	MW-06	R1-IW1	R1-IW2	R1-IW2
	SampleID	**MW-5-102709**	**MW-6-102709**	**R1-IW1-60-102609**	**R1-IW2-60-102709**	**Dup1-102709**
	Depth (bgs)	10 ft	40 ft	60 ft	60 ft	60 ft
	Sample Date	10/27/2009	10/27/2009	10/26/2009	10/27/2009	10/27/2009
Conventionals						
Nitrite	mg/L				0.1 U	
Phosphate	mg/L				0.1 U	
Sulfate	mg/L				10	
Total Organic Carbon	mg/L			2000	1900	

	Event	Fox-Ave ERD Performance Monitoring Q3 (November 2009)				
	Location	R1-IW3A	R1-IW3B	R1-IW7	R2-IW1	R2-IW1
	SampleID	**R1-IW4a-11-102709**	**R1-IW4b-50-102709**	**R1-IW7-45-102609**	**R2-IW1-17-102709**	**R2-IW1-30-102709**
	Depth (bgs)	11 ft	50 ft	45 ft	17 ft	30 ft
	Sample Date	10/27/2009	10/27/2009	10/26/2009	10/27/2009	10/27/2009
Volatile Organic Compounds						
Tetrachloroethene	µg/L	18	1.5	100 U	280	58
Trichloroethene	µg/L	13	1 U	100 U	160	20 U
cis-1,2-Dichloroethene	µg/L	4200	3.1	170	1900	5100
trans-1,2-Dichloroethene	µg/L	38	1 U	100 U	44	45
1,1-Dichloroethene	µg/L	10 U	3.2	100 U	10 U	20 U
Vinyl chloride	µg/L	370	77	7300	170	1600
1,1,1,2-Tetrachloroethane	µg/L	10 U	1 U	100 U	10 U	20 U
1,1,1-Trichloroethane	µg/L	10 U	1 U	100 U	10 U	20 U
1,1,2,2-Tetrachloroethane	µg/L	10 U	1 U	100 U	10 U	20 U
1,1,2-Trichloroethane	µg/L	10 U	1 U	100 U	10 U	20 U
1,1-Dichloroethane	µg/L	10 U	1 U	100 U	10 U	20 U
Chloroethane	µg/L	10 U	1 U	100 U	10 U	20 U
1,1-Dichloropropene	µg/L	10 U	1 U	100 U	10 U	20 U
1,2,3-Trichlorobenzene	µg/L	40 U	4 U	400 U	40 U	80 U
1,2,3-Trichloropropane	µg/L	10 U	1 U	100 U	10 U	20 U
1,2,4-Trichlorobenzene	µg/L	20 U	2 U	200 U	20 U	40 U
1,2-Dibromo-3-chloropropane	µg/L	10 U	1 U	100 U	10 U	20 U
1,2-Dichlorobenzene	µg/L	10 U	1.6	100 U	10 U	20 U
1,2-Dichloroethane	µg/L	10 U	1 U	100 U	10 U	20 U
1,2-Dichloropropane	µg/L	10 U	2.9	100 U	10 U	20 U
1,3-Dichlorobenzene	µg/L	10 U	1 U	100 U	10 U	20 U
1,3-Dichloropropane	µg/L	10 U	1 U	100 U	10 U	20 U
1,4-Dichlorobenzene	µg/L	10 U	1 U	100 U	10 U	20 U
2,2-Dichloropropane	µg/L	20 U	2 U	200 U	20 U	40 U
2-Chlorotoluene	µg/L	10 U	1 U	100 U	10 U	20 U
4-Chlorotoluene	µg/L	10 U	1 U	100 U	10 U	20 U
Bromodichloromethane	µg/L	10 U	1 U	100 U	20 U	20 U
Carbon tetrachloride	µg/L	10 U	1 U	100 U	10 U	20 U
Chlorobenzene	µg/L	10 U	1 U	100 U	10 U	20 U
Chloroform	µg/L	10 U	1 U	100 U	10 U	20 U
Chloromethane	µg/L	10 U	1 U	100 U	10 U	20 U
cis-1,3-Dichloropropene	µg/L	10 U	1 U	100 U	10 U	20 U
Dibromochloromethane	µg/L	10 U	1 U	100 U	10 U	20 U
Dichlorodifluoromethane	µg/L	10 U	1 U	100 U	10 U	20 U
Dichloromethane	µg/L	10 U	1 U	100 U	10 U	20 U
trans-1,3-Dichloropropene	µg/L	10 U	1 U	100 U	10 U	20 U
Trichlorofluoromethane	µg/L	10 U	1 U	100 U	10 U	20 U
BTEX						
Benzene	µg/L	10 U	0.84 J	100 U	10 U	20 U
Toluene	µg/L	10 U	1 U	120	10 U	20 U
Ethylbenzene	µg/L	10 U	1.1	110	10 U	20 U
Xylene (total)	µg/L	10 U	1 U	100 U	10 U	20 U
Semivolatile Organic Compounds						
Hexachlorobutadiene	µg/L	40 U	4 U	400 U	40 U	80 U
Conventionals						
Chloride	mg/L	34	17			
Nitrate	mg/L	0.1 U	0.1 U			

	Event	**Fox-Ave ERD Performance Monitoring Q3 (November 2009)**				
	Location	R1-IW3A	R1-IW3B	R1-IW7	R2-IW1	R2-IW1
	SampleID	**R1-IW4a-11-102709**	**R1-IW4b-50-102709**	**R1-IW7-45-102609**	**R2-IW1-17-102709**	**R2-IW1-30-102709**
	Depth (bgs)	11 ft	50 ft	45 ft	17 ft	30 ft
	Sample Date	10/27/2009	10/27/2009	10/26/2009	10/27/2009	10/27/2009
Conventionals						
Nitrite	mg/L	0.1 U	0.1 U			
Phosphate	mg/L	0.1 U	0.1 U			
Sulfate	mg/L	81	19			
Total Organic Carbon	mg/L	29	180	10		

	Event	Fox-Ave ERD Performance Monitoring Q3 (November 2009)				
	Location	R2-IW1	R2-IW1	R2-IW2	R2-IW2	R2-IW2
	SampleID	**R2-IW1-45-102709**	**R2-IW1-65-102709**	**R2-IW2-17-102809**	**R2-IW2-30-102809**	**R2-IW2-45-102809**
	Depth (bgs)	45 ft	65 ft	17 ft	30 ft	45 ft
	Sample Date	10/27/2009	10/27/2009	10/28/2009	10/28/2009	10/28/2009
Volatile Organic Compounds						
Tetrachloroethene	µg/L	36	34	260	20 U	24
Trichloroethene	µg/L	20 U	0.96 J	150	39	20 U
cis-1,2-Dichloroethene	µg/L	9100	9300	1900	4800	7300
trans-1,2-Dichloroethene	µg/L	57	76	47	43	47
1,1-Dichloroethene	µg/L	21	20	20 U	10 J	20 U
Vinyl chloride	µg/L	2700	2600	170	3800	4500
1,1,1,2-Tetrachloroethane	µg/L	20 U	10 U	20 U	20 U	20 U
1,1,1-Trichloroethane	µg/L	20 U	10 U	20 U	20 U	20 U
1,1,2,2-Tetrachloroethane	µg/L	20 U	10 U	20 U	20 U	20 U
1,1,2-Trichloroethane	µg/L	20 U	10 U	20 U	20 U	20 U
1,1-Dichloroethane	µg/L	20 U	10 U	20 U	20 U	20 U
Chloroethane	µg/L	20 U	10 U	20 U	20 U	20 U
1,1-Dichloropropene	µg/L	20 U	10 U	20 U	20 U	20 U
1,2,3-Trichlorobenzene	µg/L	80 U	40 U	80 U	80 U	80 U
1,2,3-Trichloropropane	µg/L	20 U	10 U	20 U	20 U	20 U
1,2,4-Trichlorobenzene	µg/L	40 U	20 U	40 U	40 U	40 U
1,2-Dibromo-3-chloropropane	µg/L	20 U	10 U	20 U	20 U	20 U
1,2-Dichlorobenzene	µg/L	20 U	10 U	20 U	20 U	20 U
1,2-Dichloroethane	µg/L	20 U	10 U	20 U	20 U	20 U
1,2-Dichloropropane	µg/L	20 U	10 U	20 U	20 U	20 U
1,3-Dichlorobenzene	µg/L	20 U	10 U	20 U	20 U	20 U
1,3-Dichloropropane	µg/L	20 U	10 U	20 U	20 U	20 U
1,4-Dichlorobenzene	µg/L	20 U	10 U	20 U	20 U	20 U
2,2-Dichloropropane	µg/L	40 U	20 U	40 U	40 U	40 U
2-Chlorotoluene	µg/L	20 U	10 U	20 U	20 U	20 U
4-Chlorotoluene	µg/L	20 U	10 U	20 U	20 U	20 U
Bromodichloromethane	µg/L	20 U	20 U	20 U	20 U	20 U
Carbon tetrachloride	µg/L	20 U	10 U	20 U	20 U	20 U
Chlorobenzene	µg/L	20 U	10 U	20 U	20 U	20 U
Chloroform	µg/L	20 U	10 U	20 U	20 U	20 U
Chloromethane	µg/L	20 U	10 U	20 U	20 U	20 U
cis-1,3-Dichloropropene	µg/L	20 U	10 U	20 U	20 U	20 U
Dibromochloromethane	µg/L	20 U	10 U	20 U	20 U	20 U
Dichlorodifluoromethane	µg/L	20 U	10 U	20 U	20 U	20 U
Dichloromethane	µg/L	20 U	10 U	20 U	20 U	20 U
trans-1,3-Dichloropropene	µg/L	20 U	10 U	20 U	20 U	20 U
Trichlorofluoromethane	µg/L	20 U	10 U	20 U	20 U	20 U
BTEX						
Benzene	µg/L	20 U	10 U	20 U	20 U	20 U
Toluene	µg/L	20 U	10 U	20 U	20 U	20 U
Ethylbenzene	µg/L	20 U	10 U	20 U	20 U	20 U
Xylene (total)	µg/L	20 U	10 U	20 U	20 U	20 U
Semivolatile Organic Compounds						
Hexachlorobutadiene	µg/L	80 U	40 U	80 U	80 U	80 U

	Event	Fox-Ave ERD Performance Monitoring Q3 (November 2009)				
	Location	R2-IW2	R2-IW3	R2-IW4	R2-IW4	R2-IW6
	SampleID	**R2-IW2-65-102809**	**R2-IW3-30-102709**	**R2-IW4-45-102909**	**Dup2-102909**	**R2-IW6-45-102909**
	Depth (bgs)	65 ft	30 ft	45 ft	45 ft	45 ft
	Sample Date	10/28/2009	10/27/2009	10/29/2009	10/29/2009	10/29/2009
Volatile Organic Compounds						
Tetrachloroethene	µg/L	20 U	2.6	2.9	2.6 J	10 U
Trichloroethene	µg/L	20 U	1 U	1 U	20 U	10 U
cis-1,2-Dichloroethene	µg/L	7900	810	390	390	260
trans-1,2-Dichloroethene	µg/L	51	3.5	5	5.8 J	10 U
1,1-Dichloroethene	µg/L	30	1.8	1 U	20 U	10 U
Vinyl chloride	µg/L	3800	0.2 U	530	720	180
1,1,1,2-Tetrachloroethane	µg/L	20 U	1 U	1 U	20 U	10 U
1,1,1-Trichloroethane	µg/L	20 U	1 U	1 U	20 U	10 U
1,1,2,2-Tetrachloroethane	µg/L	20 U	1 U	1 U	20 U	10 U
1,1,2-Trichloroethane	µg/L	20 U	1 U	1 U	20 U	10 U
1,1-Dichloroethane	µg/L	20 U	3.6	20	21	10 U
Chloroethane	µg/L	20 U	1 U	1 U	20 U	10 U
1,1-Dichloropropene	µg/L	20 U	1 U	1 U	20 U	10 U
1,2,3-Trichlorobenzene	µg/L	80 U	4 U	4 U	80 U	40 U
1,2,3-Trichloropropane	µg/L	20 U	1 U	1 U	20 U	10 U
1,2,4-Trichlorobenzene	µg/L	40 U	2 U	2 U	40 U	20 U
1,2-Dibromo-3-chloropropane	µg/L	20 U	1 U	1 U	20 U	10 U
1,2-Dichlorobenzene	µg/L	20 U	1 U	0.96 J	20 U	10 U
1,2-Dichloroethane	µg/L	20 U	0.96 J	1 U	20 U	10 U
1,2-Dichloropropane	µg/L	20 U	1 U	1 U	20 U	10 U
1,3-Dichlorobenzene	µg/L	20 U	1 U	1 U	20 U	10 U
1,3-Dichloropropane	µg/L	20 U	1 U	1 U	20 U	10 U
1,4-Dichlorobenzene	µg/L	20 U	1 U	1 U	20 U	10 U
2,2-Dichloropropane	µg/L	40 U	2 U	2 U	40 U	20 U
2-Chlorotoluene	µg/L	20 U	1 U	1 U	20 U	10 U
4-Chlorotoluene	µg/L	20 U	1 U	1 U	20 U	10 U
Bromodichloromethane	µg/L	20 U	1 U	1 U	20 U	20 U
Carbon tetrachloride	µg/L	20 U	1 U	1 U	20 U	10 U
Chlorobenzene	µg/L	20 U	1 U	1.3	20 U	10 U
Chloroform	µg/L	20 U	1 U	1 U	20 U	10 U
Chloromethane	µg/L	20 U	1 U	1 U	20 U	10 U
cis-1,3-Dichloropropene	µg/L	20 U	1 U	1 U	20 U	10 U
Dibromochloromethane	µg/L	20 U	1 U	1 U	20 U	10 U
Dichlorodifluoromethane	µg/L	20 U	1 U	1 U	20 U	10 U
Dichloromethane	µg/L	20 U	1 U	1 U	20 U	10 U
trans-1,3-Dichloropropene	µg/L	20 U	1 U	1 U	20 U	10 U
Trichlorofluoromethane	µg/L	20 U	1 U	1 U	20 U	10 U
BTEX						
Benzene	µg/L	20 U	2.9	16	15 J	10 U
Toluene	µg/L	20 U	4.3	1.2	1.2 J	10 U
Ethylbenzene	µg/L	20 U	1.1	1.8	20 U	10 U
Xylene (total)	µg/L	20 U	3.1	3.1	20 U	10 U
Semivolatile Organic Compounds						
Hexachlorobutadiene	µg/L	80 U	4 U	4 U	80 U	40 U
Conventionals						
Total Organic Carbon	mg/L		350	2500		770

	Event	Fox-Ave ERD Performance Monitoring Q2 (June - August 2009)				
	Location	B-09	B-10A	B-20A	B-33A	B-33A
	SampleID	**B-9-081109**	**B-10a-081109**	**B-20a-081109**	**B-33a-062309**	**DUP1-062309**
	Depth (bgs)	43.5 ft	14.5 ft	16 ft	34 ft	34 ft
	Sample Date	08/11/2009	08/11/2009	08/11/2009	06/23/2009	06/23/2009
Volatile Organic Compounds						
Tetrachloroethene	µg/L				1 U	1 U
Trichloroethene	µg/L				1 U	1 U
cis-1,2-Dichloroethene	µg/L				1300	1710
trans-1,2-Dichloroethene	µg/L				1 U	1 U
1,1-Dichloroethene	µg/L				2.9	4.6
Vinyl chloride	µg/L				1700	2700
1,1,1,2-Tetrachloroethane	µg/L				1 U	1 U
1,1,1-Trichloroethane	µg/L				1 U	1 U
1,1,2,2-Tetrachloroethane	µg/L				1 U	1 U
1,1,2-Trichloroethane	µg/L				1 U	1 U
1,1-Dichloroethane	µg/L				19	27
Chloroethane	µg/L				1 U	1 U
1,1-Dichloropropene	µg/L				1 U	1 U
1,2,3-Trichlorobenzene	µg/L				4 U	4 U
1,2,3-Trichloropropane	µg/L				1 U	1 U
1,2,4-Trichlorobenzene	µg/L				2 U	2 U
1,2-Dibromo-3-chloropropane	µg/L				1 U	1 U
1,2-Dichlorobenzene	µg/L				1 U	1 U
1,2-Dichloroethane	µg/L				1 U	1 U
1,2-Dichloropropane	µg/L				1 U	1 U
1,3-Dichlorobenzene	µg/L				1 U	1 U
1,3-Dichloropropane	µg/L				1 U	1 U
1,4-Dichlorobenzene	µg/L				1 U	1 U
2,2-Dichloropropane	µg/L				2 U	2 U
2-Chlorotoluene	µg/L				1 U	1 U
4-Chlorotoluene	µg/L				1 U	1 U
Bromodichloromethane	µg/L				1	1 U
Carbon tetrachloride	µg/L				1 U	1 U
Chlorobenzene	µg/L				3	3.1
Chloroform	µg/L				1 U	1 U
Chloromethane	µg/L				1 U	1 U
cis-1,3-Dichloropropene	µg/L				1 U	1 U
Dibromochloromethane	µg/L				1 U	1 U
Dichlorodifluoromethane	µg/L				1 U	1 U
Dichloromethane	µg/L				1 U	1 U
trans-1,3-Dichloropropene	µg/L				1 U	1 U
Trichlorofluoromethane	µg/L				1 U	1 U
BTEX						
Benzene	µg/L				4.6	7.3
Toluene	µg/L				1 U	1 U
Ethylbenzene	µg/L				1 U	1 U
Xylene (total)	µg/L				1 U	1 U
Semivolatile Organic Compounds						
Hexachlorobutadiene	µg/L				4 U	4 U
Conventionals						
Total Organic Carbon	mg/L	0.7	12	18		

	Event	Fox-Ave ERD Performance Monitoring Q2 (June - August 2009)				
	Location	B-33A	B-61	B-61	R1-IW1	R1-IW1
	SampleID	**B-33a-072309**	**B-61-062309**	**B-61-072309**	**R1-IW1-60-062309**	**R1-IW1-60-072309**
	Depth (bgs)	30 ft	44 ft	40 ft	60 ft	60 ft
	Sample Date	07/23/2009	06/23/2009	07/23/2009	06/23/2009	07/23/2009
Volatile Organic Compounds						
Tetrachloroethene	µg/L	1 U	5.7	1 U	1 U	20
Trichloroethene	µg/L	1 U	13	1.1	2.5	25
cis-1,2-Dichloroethene	µg/L	3200	100	1700	7700	420
trans-1,2-Dichloroethene	µg/L	3	1 U	38	5.1	5.3
1,1-Dichloroethene	µg/L	4.1	1 U	3.1	22	100
Vinyl chloride	µg/L	8100	5.2	1600	5900	12
1,1,1,2-Tetrachloroethane	µg/L	1 U	1 U	1 U	1 U	1 U
1,1,1-Trichloroethane	µg/L	1 U	1 U	1 U	1 U	1 U
1,1,2,2-Tetrachloroethane	µg/L	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichloroethane	µg/L	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	µg/L	50	1 U	10	3.9	1
Chloroethane	µg/L	1 U	1 U	1 U	1 U	1 U
1,1-Dichloropropene	µg/L	1 U	1 U	1 U	1 U	1 U
1,2,3-Trichlorobenzene	µg/L	4 U	4 U	4 U	4 U	4 U
1,2,3-Trichloropropane	µg/L	1 U	1 U	1 U	1 U	1 U
1,2,4-Trichlorobenzene	µg/L	2 U	2 U	2 U	2 U	2 U
1,2-Dibromo-3-chloropropane	µg/L	1 U	1 U	1 U	1 U	1 U
1,2-Dichlorobenzene	µg/L	1 U	1 U	1.1	1 U	1 U
1,2-Dichloroethane	µg/L	1 U	1 U	1 U	1 U	1 U
1,2-Dichloropropane	µg/L	1 U	1 U	1 U	1 U	1 U
1,3-Dichlorobenzene	µg/L	1 U	1 U	1 U	1 U	1 U
1,3-Dichloropropane	µg/L	1 U	1 U	1 U	1 U	1 U
1,4-Dichlorobenzene	µg/L	1 U	1 U	1 U	1 U	1 U
2,2-Dichloropropane	µg/L	2 U	2 U	2 U	2 U	2 U
2-Chlorotoluene	µg/L	1 U	1 U	1 U	1 U	1 U
4-Chlorotoluene	µg/L	1 U	1 U	1 U	1 U	1 U
Bromodichloromethane	µg/L	1 U	1 U	1 U	1 U	1 U
Carbon tetrachloride	µg/L	1 U	1 U	1 U	1 U	1 U
Chlorobenzene	µg/L	3.2	1 U	1 U	1 U	1 U
Chloroform	µg/L	1 U	1 U	1 U	1 U	1 U
Chloromethane	µg/L	1 U	1 U	1 U	1 U	1 U
cis-1,3-Dichloropropene	µg/L	1 U	1 U	1 U	1 U	1 U
Dibromochloromethane	µg/L	1 U	1 U	1 U	1 U	1 U
Dichlorodifluoromethane	µg/L	1 U	1 U	1 U	1 U	1 U
Dichloromethane	µg/L	1 U	1 U	1 U	1 U	1 U
trans-1,3-Dichloropropene	µg/L	1 U	1 U	1 U	1 U	1 U
Trichlorofluoromethane	µg/L	1 U	1 U	1 U	1 U	1 U
BTEX						
Benzene	µg/L	8.7	1 U	2.7	4.6	1 U
Toluene	µg/L	1 U	1 U	1 U	5.8	1 U
Ethylbenzene	µg/L	1 U	1 U	1 U	0.96	1 U
Xylene (total)	µg/L	2.6	1 U	1.2	1 U	1 U
Semivolatile Organic Compounds						
Hexachlorobutadiene	µg/L	4 U	4 U	4 U	4 U	4 U

	Event	Fox-Ave ERD Performance Monitoring Q2 (June - August 2009)				
	Location	R1-IW2	R1-IW4A	R1-IW4A	R1-IW4B	R1-IW7
	SampleID	**R1-IW2-60-072309**	**R1-IW4a-10-062309**	**R1-IW4a-11-072309**	**R1-IW4b-50-072309**	**R1-IW7-45-062309**
	Depth (bgs)	60 ft	10 ft	11 ft	50 ft	45 ft
	Sample Date	07/23/2009	06/23/2009	07/23/2009	07/23/2009	06/23/2009
Volatile Organic Compounds						
Tetrachloroethene	µg/L	1.3	9.6	1700 J	1 U	660
Trichloroethene	µg/L	1.8	1.4	380 J	1 U	88
cis-1,2-Dichloroethene	µg/L	180	2500	1300 J	14	880
trans-1,2-Dichloroethene	µg/L	2.4	1 U	35 J	2.5	17
1,1-Dichloroethene	µg/L	110	6.1	7.7 J	1 U	1.1
Vinyl chloride	µg/L	140	0.2 U	1500 J	270	1000
1,1,1,2-Tetrachloroethane	µg/L	1 U	1 U	1 U	1 U	1 U
1,1,1-Trichloroethane	µg/L	1 U	1 U	1.2 J	1 U	1 U
1,1,2,2-Tetrachloroethane	µg/L	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichloroethane	µg/L	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	µg/L	4.4	37	6.7 J	12	1 U
Chloroethane	µg/L	1 U	1 U	1 U	4.3	1 U
1,1-Dichloropropene	µg/L	1 U	1 U	1 U	1 U	1 U
1,2,3-Trichlorobenzene	µg/L	4 U	4 U	4 U	4 U	4 U
1,2,3-Trichloropropane	µg/L	1 U	1 U	1 U	1 U	1 U
1,2,4-Trichlorobenzene	µg/L	2 U	2 U	2 U	2 U	2 U
1,2-Dibromo-3-chloropropane	µg/L	1 U	1 U	1 U	1 U	1 U
1,2-Dichlorobenzene	µg/L	1 U	1 U	13 J	2.3	1 U
1,2-Dichloroethane	µg/L	1 U	1 U	1 U	1 U	1 U
1,2-Dichloropropane	µg/L	1 U	1 U	1 U	1 U	1 U
1,3-Dichlorobenzene	µg/L	1 U	1 U	1.5 J	1 U	1 U
1,3-Dichloropropane	µg/L	1 U	1 U	1 U	1 U	1 U
1,4-Dichlorobenzene	µg/L	1 U	1 U	4.9 J	1 U	2.6
2,2-Dichloropropane	µg/L	2 U	2 U	2 U	2 U	2 U
2-Chlorotoluene	µg/L	1 U	1 U	1 U	1 U	1 U
4-Chlorotoluene	µg/L	1 U	1 U	1 U	1 U	1 U
Bromodichloromethane	µg/L	1 U	1 U	1 U	1 U	1
Carbon tetrachloride	µg/L	1 U	1 U	1 U	1 U	1 U
Chlorobenzene	µg/L	1 U	4.3	1 U	1 U	1 U
Chloroform	µg/L	1 U	1 U	1 U	1 U	1 U
Chloromethane	µg/L	1 U	1 U	1 U	1 U	1 U
cis-1,3-Dichloropropene	µg/L	1 U	1 U	1 U	1 U	1 U
Dibromochloromethane	µg/L	1 U	1 U	1 U	1 U	1 U
Dichlorodifluoromethane	µg/L	1 U	1 U	1 U	1 U	1 U
Dichloromethane	µg/L	1 U	1 U	1 U	1 U	1 U
trans-1,3-Dichloropropene	µg/L	1 U	1 U	1 U	1 U	1 U
Trichlorofluoromethane	µg/L	1 U	1 U	1 U	1 U	1 U
BTEX						
Benzene	µg/L	3.1	10	2.1 J	1.5	0.8
Toluene	µg/L	1 U	0.96	1 U	1 U	1 U
Ethylbenzene	µg/L	1 U	1 U	1 U	3.7	1 U
Xylene (total)	µg/L	1 U	0.8	1 U	1.2	1 U
Semivolatile Organic Compounds						
Hexachlorobutadiene	µg/L	4 U	4 U	4 U	4 U	4 U
Conventionals						
Total Organic Carbon	mg/L	45.35		7.8	15	

	Event	Fox-Ave ERD Performance Monitoring Q2 (June - August 2009)				
	Location	R1-IW7	R1-IW7	R1-IW7	R2-IW3	R2-IW3
	SampleID	**R1-IW7-45-072309**	**DUP1-072309**	**R1-IW7-45-081109**	**R2-IW3-30-062309**	**R2-IW3-30-072309**
	Depth (bgs)	45 ft	45 ft	45 ft	45 ft	30 ft
	Sample Date	07/23/2009	07/23/2009	08/11/2009	06/23/2009	07/23/2009
Volatile Organic Compounds						
Tetrachloroethene	µg/L	1 U	1 U		1 U	1 U
Trichloroethene	µg/L	11	9.5		1 U	1 U
cis-1,2-Dichloroethene	µg/L	99	91		6000	3400
trans-1,2-Dichloroethene	µg/L	16	15		2.6	27
1,1-Dichloroethene	µg/L	2.5	1 U		18	1 U
Vinyl chloride	µg/L	5200	5100		5400	3800
1,1,1,2-Tetrachloroethane	µg/L	1 U	1 U		1 U	1 U
1,1,1-Trichloroethane	µg/L	7.2	5.9		1 U	1 U
1,1,2,2-Tetrachloroethane	µg/L	1 U	1 U		1 U	1 U
1,1,2-Trichloroethane	µg/L	1 U	1 U		1 U	1 U
1,1-Dichloroethane	µg/L	95	90		3.2	7.6
Chloroethane	µg/L	14	13		1 U	13
1,1-Dichloropropene	µg/L	1 U	1 U		1 U	1 U
1,2,3-Trichlorobenzene	µg/L	4 U	4 U		4 U	4 U
1,2,3-Trichloropropane	µg/L	1 U	1 U		1 U	1 U
1,2,4-Trichlorobenzene	µg/L	2 U	2 U		2 U	2 U
1,2-Dibromo-3-chloropropane	µg/L	1 U	1 U		1 U	1 U
1,2-Dichlorobenzene	µg/L	39	36		1 U	1 U
1,2-Dichloroethane	µg/L	1 U	1 U		1 U	1 U
1,2-Dichloropropane	µg/L	1 U	1 U		1 U	1 U
1,3-Dichlorobenzene	µg/L	1.5	1.3		1 U	1 U
1,3-Dichloropropane	µg/L	1 U	1 U		1 U	1 U
1,4-Dichlorobenzene	µg/L	9.8	9.2		1 U	1 U
2,2-Dichloropropane	µg/L	2 U	2 U		2 U	2 U
2-Chlorotoluene	µg/L	1 U	1 U		1 U	1 U
4-Chlorotoluene	µg/L	1 U	1 U		1 U	1 U
Bromodichloromethane	µg/L	1 U	1 U		1 U	1 U
Carbon tetrachloride	µg/L	1 U	1 U		1 U	1 U
Chlorobenzene	µg/L	2.9	2.6		1.3	1 U
Chloroform	µg/L	1 U	1 U		1 U	1 U
Chloromethane	µg/L	1 U	1 U		1 U	1 U
cis-1,3-Dichloropropene	µg/L	1 U	1 U		1 U	1 U
Dibromochloromethane	µg/L	1 U	1 U		1 U	1 U
Dichlorodifluoromethane	µg/L	1 U	1 U		1 U	1 U
Dichloromethane	µg/L	1 U	1 U		1 U	1 U
trans-1,3-Dichloropropene	µg/L	1 U	1 U		1 U	1 U
Trichlorofluoromethane	µg/L	1 U	1 U		1 U	1 U
BTEX						
Benzene	µg/L	52	48		2.2	4.5
Toluene	µg/L	670	760		4.65	8.9
Ethylbenzene	µg/L	790	740		1.6	1.3
Xylene (total)	µg/L	390	350		1 U	3.8
Semivolatile Organic Compounds						
Hexachlorobutadiene	µg/L	4 U	4 U		4 U	4 U
Conventionals						
Total Organic Carbon	mg/L			110		62

	Event	Fox-Ave ERD Performance Monitoring Q2 (June - August 2009)				
	Location	R2-IW4	R2-IW6			
	SampleID	**R2-IW4-45-072309**	**R2-IW6-45-062309**			
	Depth (bgs)	45 ft	45 ft			
	Sample Date	07/23/2009	06/23/2009			
Volatile Organic Compounds						
Tetrachloroethene	µg/L	1 UJ	1 U			
Trichloroethene	µg/L	1 UJ	6.3			
cis-1,2-Dichloroethene	µg/L	1100 J	88			
trans-1,2-Dichloroethene	µg/L	2.2 J	19			
1,1-Dichloroethene	µg/L	1 UJ	1			
Vinyl chloride	µg/L	2300 J	5700			
1,1,1,2-Tetrachloroethane	µg/L	1 UJ	1 U			
1,1,1-Trichloroethane	µg/L	1 UJ	1 U			
1,1,2,2-Tetrachloroethane	µg/L	1 UJ	1 U			
1,1,2-Trichloroethane	µg/L	1 UJ	1 U			
1,1-Dichloroethane	µg/L	26 J	96			
Chloroethane	µg/L	16 J	36			
1,1-Dichloropropene	µg/L	1 UJ	1 U			
1,2,3-Trichlorobenzene	µg/L	4 UJ	4 U			
1,2,3-Trichloropropane	µg/L	1 UJ	1 U			
1,2,4-Trichlorobenzene	µg/L	2 UJ	2 U			
1,2-Dibromo-3-chloropropane	µg/L	1 UJ	1 U			
1,2-Dichlorobenzene	µg/L	1 UJ	1 U			
1,2-Dichloroethane	µg/L	1 UJ	1 U			
1,2-Dichloropropane	µg/L	1 UJ	1 U			
1,3-Dichlorobenzene	µg/L	1 UJ	1 U			
1,3-Dichloropropane	µg/L	1 UJ	1 U			
1,4-Dichlorobenzene	µg/L	1 UJ	9.6			
2,2-Dichloropropane	µg/L	2 UJ	2 U			
2-Chlorotoluene	µg/L	1 UJ	1 U			
4-Chlorotoluene	µg/L	1 UJ	1 U			
Bromodichloromethane	µg/L	1 UJ	1			
Carbon tetrachloride	µg/L	1 UJ	1 U			
Chlorobenzene	µg/L	1 UJ	1 U			
Chloroform	µg/L	1 UJ	1 U			
Chloromethane	µg/L	1 UJ	1 U			
cis-1,3-Dichloropropene	µg/L	1 UJ	1 U			
Dibromochloromethane	µg/L	1 UJ	1 U			
Dichlorodifluoromethane	µg/L	1 UJ	1 U			
Dichloromethane	µg/L	1 UJ	1 U			
trans-1,3-Dichloropropene	µg/L	1 UJ	1 U			
Trichlorofluoromethane	µg/L	1 UJ	1 U			
BTEX						
Benzene	µg/L	9 J	56			
Toluene	µg/L	6.9 J	1200			
Ethylbenzene	µg/L	4.9 J	780			
Xylene (total)	µg/L	6.2 J	660			
Semivolatile Organic Compounds						
Hexachlorobutadiene	µg/L	4 UJ	4 U			
Conventionals						
Total Organic Carbon	mg/L	19				

	Event	Fox-Ave Additional Geoprobes Investigation (June 2009)				
	Location	GP-74A	GP-76	GP-76	GP-76	GP-78
	SampleID	**GP-74A 64.0**	**GP-76 53.0**	**GP-76 53.0 DUP**	**GP-76 63.0**	**GP-78 55.0**
	Depth (bgs)	60 - 64 ft	50 - 53 ft	50 - 53 ft	60 - 63 ft	52 - 55 ft
	Sample Date	06/24/2009	06/19/2009	06/19/2009	06/19/2009	06/18/2009
Volatile Organic Compounds						
Tetrachloroethene	µg/L	240	48	49	2	1 U
Trichloroethene	µg/L	1000	2600	2400	6.3	130
cis-1,2-Dichloroethene	µg/L	240	2900	2700	11	2700
trans-1,2-Dichloroethene	µg/L	170	24	24	1 U	11
1,1-Dichloroethene	µg/L	1 U	4.4	5	1 U	6.5
Vinyl chloride	µg/L	0.2 U	20	22	0.2 U	280
1,1,1,2-Tetrachloroethane	µg/L	1 U	1 U	1 U	1 U	1 U
1,1,1-Trichloroethane	µg/L	1 U	1 U	1 U	1 U	1 U
1,1,2,2-Tetrachloroethane	µg/L	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichloroethane	µg/L	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	µg/L	1 U	1 U	1 U	1 U	1 U
Chloroethane	µg/L	1 U	1 U	1 U	1 U	1 U
1,1-Dichloropropene	µg/L	1 U	1 U	1 U	1 U	1 U
1,2,3-Trichlorobenzene	µg/L	4 U				4 U
1,2,3-Trichloropropane	µg/L	1 U	1 U	1 U	1 U	1 U
1,2,4-Trichlorobenzene	µg/L	2 U				2 U
1,2-Dibromo-3-chloropropane	µg/L	1 U				1 U
1,2-Dichlorobenzene	µg/L	1 U				1 U
1,2-Dichloroethane	µg/L	1 U	1 U	1 U	1 U	1 U
1,2-Dichloropropane	µg/L	1 U	1 U	1 U	1 U	1 U
1,3-Dichlorobenzene	µg/L	1 U				1 U
1,3-Dichloropropane	µg/L	1 U	1 U	1 U	1 U	1 U
1,4-Dichlorobenzene	µg/L	1 U				1 U
2,2-Dichloropropane	µg/L	2 U	2 U	2 U	2 U	2 U
2-Chlorotoluene	µg/L	1 U				1 U
4-Chlorotoluene	µg/L	1 U				1 U
Bromodichloromethane	µg/L	1 U	1 U	1 U	1 U	1 U
Carbon tetrachloride	µg/L	1 U	1 U	1 U	1 U	1 U
Chlorobenzene	µg/L	1 U	1 U	1 U	1 U	1 U
Chloroform	µg/L	1 U	1 U	1 U	1 U	1 U
Chloromethane	µg/L	1 U	1 U	1 U	1 U	1 U
cis-1,3-Dichloropropene	µg/L	1 U	1 U	1 U	1 U	1 U
Dibromochloromethane	µg/L	1 U	1 U	1 U	1 U	1 U
Dichlorodifluoromethane	µg/L	1 U	1 U	1 U	1 U	1 U
Dichloromethane	µg/L	1 U	1 U	1 U	1 U	1 U
trans-1,3-Dichloropropene	µg/L	1 U	1 U	1 U	1 U	1 U
Trichlorofluoromethane	µg/L	1 U	1 U	1 U	1 U	1 U
BTEX						
Benzene	µg/L	1 U	7.8	6.2	1 U	1.9
Toluene	µg/L	1.12	1.5	1.6	1 U	25
Ethylbenzene	µg/L	0.8 J	1 U	1 U	1 U	22
Xylene (total)	µg/L	1 U	1 U	1 U	1 U	28
Semivolatile Organic Compounds						
Hexachlorobutadiene	µg/L	4 U				4 U

	Event	Fox-Ave Additional Geoprobes Investigation (June 2009)				
	Location	GP-79	GP-82	GP-82	GP-83	GP-83
	SampleID	**GP-79 53.0**	**GP-82 53.0**	**GP-82 63.0**	**GP-83 49.0**	**GP-83 59.0**
	Depth (bgs)	50 - 53 ft	50 - 53 ft	60 - 63 ft	45 - 49 ft	55 - 59 ft
	Sample Date	06/22/2009	06/18/2009	06/18/2009	06/24/2009	06/24/2009
Volatile Organic Compounds						
Tetrachloroethene	µg/L	1 U	18000	90	1 U	1 U
Trichloroethene	µg/L	1 U	14000	140	1 U	1 U
cis-1,2-Dichloroethene	µg/L	1 U	7000	120	9.28	6.2
trans-1,2-Dichloroethene	µg/L	1 U	65	150	1 U	1 U
1,1-Dichloroethene	µg/L	1 U	36	3.7	1 U	1 U
Vinyl chloride	µg/L	0.2 U	13	0.85	0.2 U	0.2 U
1,1,1,2-Tetrachloroethane	µg/L	1 U	1 U	1 U	1 U	1 U
1,1,1-Trichloroethane	µg/L	1 U	1 U	1 U	1 U	1 U
1,1,2,2-Tetrachloroethane	µg/L	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichloroethane	µg/L	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	µg/L	1 U	1 U	1 U	1 U	1 U
Chloroethane	µg/L	1 U	1 U	1 U	1 U	1 U
1,1-Dichloropropene	µg/L	1 U	1 U	1 U	1 U	1 U
1,2,3-Trichlorobenzene	µg/L	4 U	4 U	4 U	4 U	4 U
1,2,3-Trichloropropane	µg/L	1 U	1 U	1 U	1 U	1 U
1,2,4-Trichlorobenzene	µg/L	2 U	2 U	2 U	2 U	2 U
1,2-Dibromo-3-chloropropane	µg/L	1 U	1 U	1 U	1 U	1 U
1,2-Dichlorobenzene	µg/L	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethane	µg/L	1 U	1 U	1 U	1 U	1 U
1,2-Dichloropropane	µg/L	1 U	1 U	1 U	1 U	1 U
1,3-Dichlorobenzene	µg/L	1 U	1 U	1 U	1 U	1 U
1,3-Dichloropropane	µg/L	1 U	1 U	1 U	1 U	1 U
1,4-Dichlorobenzene	µg/L	1 U	1 U	1 U	1 U	1 U
2,2-Dichloropropane	µg/L	2 U	2 U	2 U	2 U	2 U
2-Chlorotoluene	µg/L	1 U	1 U	1 U	1 U	1 U
4-Chlorotoluene	µg/L	1 U	1 U	1 U	1 U	1 U
Bromodichloromethane	µg/L	1 U	1 U	1 U	1 U	1 U
Carbon tetrachloride	µg/L	1 U	1 U	1 U	1 U	1 U
Chlorobenzene	µg/L	1 U	1 U	1 U	1 U	1 U
Chloroform	µg/L	1 U	1 U	1 U	1 U	1 U
Chloromethane	µg/L	1 U	1 U	1 U	1 U	1 U
cis-1,3-Dichloropropene	µg/L	1 U	1 U	1 U	1 U	1 U
Dibromochloromethane	µg/L	1 U	1 U	1 U	1 U	1 U
Dichlorodifluoromethane	µg/L	1 U	1 U	1 U	1 U	1 U
Dichloromethane	µg/L	1 U	1 U	1 U	1 U	1 U
trans-1,3-Dichloropropene	µg/L	1 U	1 U	1 U	1 U	1 U
Trichlorofluoromethane	µg/L	1 U	1 U	1 U	1 U	1 U
BTEX						
Benzene	µg/L	1 U	9.5	1.3	5.04	6.4
Toluene	µg/L	1 U	37	1.3	1 U	1 U
Ethylbenzene	µg/L	1 U	16	1 U	1 U	1 U
Xylene (total)	µg/L	1 U	22	1 U	1 U	1 U
Semivolatile Organic Compounds						
Hexachlorobutadiene	µg/L	4 U	4 U	4 U	4 U	4 U

	Event	Fox-Ave Additional Geoprobes Investigation (June 2009)				
	Location	GP-86	GP-87	GP-87	MW-12	MW-13
	SampleID	**GP-86 50.0**	**GP-87 53.0**	**GP-87 63.0**	**MW-12 57.5**	**MW-13 67.0**
	Depth (bgs)	47 - 50 ft	50 - 53 ft	60 - 63 ft	55 - 60 ft	65 - 70 ft
	Sample Date	06/19/2009	06/22/2009	06/22/2009	06/22/2009	06/19/2009
Volatile Organic Compounds						
Tetrachloroethene	µg/L	420	1 U	1 U	5.6	4100
Trichloroethene	µg/L	43	1.6	15	1700	150
cis-1,2-Dichloroethene	µg/L	400	1 U	3700	200	29
trans-1,2-Dichloroethene	µg/L	1 U	1 U	3.3	55.65	1 U
1,1-Dichloroethene	µg/L	1 U	1 U	1 U	1 U	1 U
Vinyl chloride	µg/L	11	0.2 U	86.05	0.2 U	7.5
1,1,1,2-Tetrachloroethane	µg/L	1 U	1 U	1 U	1 U	1 U
1,1,1-Trichloroethane	µg/L	1 U	1 U	1 U	1 U	9.1
1,1,2,2-Tetrachloroethane	µg/L	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichloroethane	µg/L	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	µg/L	1 U	1 U	1 U	1 U	1 U
Chloroethane	µg/L	1 U	1 U	1 U	1 U	1 U
1,1-Dichloropropene	µg/L	1 U	1 U	1 U	1 U	1 U
1,2,3-Trichlorobenzene	µg/L		4 U	4 U	4 U	
1,2,3-Trichloropropane	µg/L	1 U	1 U	1 U	1 U	1 U
1,2,4-Trichlorobenzene	µg/L		2 U	2 U	2 U	
1,2-Dibromo-3-chloropropane	µg/L		1 U	1 U	1 U	
1,2-Dichlorobenzene	µg/L		1 U	1 U	1 U	
1,2-Dichloroethane	µg/L	1 U	1 U	1 U	1 U	1 U
1,2-Dichloropropane	µg/L	1 U	1 U	1 U	1 U	1 U
1,3-Dichlorobenzene	µg/L		1 U	1 U	1 U	
1,3-Dichloropropane	µg/L	1 U	1 U	1 U	1 U	1 U
1,4-Dichlorobenzene	µg/L		1 U	1 U	1 U	
2,2-Dichloropropane	µg/L	2 U	2 U	2 U	2 U	2 U
2-Chlorotoluene	µg/L		1 U	1 U	1 U	
4-Chlorotoluene	µg/L		1 U	1 U	1 U	
Bromodichloromethane	µg/L	1 U	1 U	1 U	1 U	1 U
Carbon tetrachloride	µg/L	1 U	1 U	1 U	1 U	1 U
Chlorobenzene	µg/L	1 U	1 U	1 U	1 U	1 U
Chloroform	µg/L	1 U	1 U	1 U	1 U	1 U
Chloromethane	µg/L	1 U	1 U	1 U	1 U	1 U
cis-1,3-Dichloropropene	µg/L	1 U	1 U	1 U	1 U	1 U
Dibromochloromethane	µg/L	1 U	1 U	1 U	1 U	1 U
Dichlorodifluoromethane	µg/L	1 U	1 U	1 U	1 U	1 U
Dichloromethane	µg/L	1 U	1 U	1 U	1 U	1 U
trans-1,3-Dichloropropene	µg/L	1 U	1 U	1 U	1 U	1 U
Trichlorofluoromethane	µg/L	1 U	1 U	1 U	1 U	1 U
BTEX						
Benzene	µg/L	6	1 U	1.95	1.15	41
Toluene	µg/L	3.35	1 U	1.7	1 U	590
Ethylbenzene	µg/L	2.9	1 U	15	1 U	49
Xylene (total)	µg/L	1 U	1 U	1 U	1 U	180
Semivolatile Organic Compounds						
Hexachlorobutadiene	µg/L		4 U	4 U	4 U	

	Event	Fox-Ave Additional Geoprobes Investigation (June 2009)				
	Location	MW-14				
	SampleID	**MW-14 57.5**				
	Depth (bgs)	55 - 60 ft				
	Sample Date	06/23/2009				
Volatile Organic Compounds						
Tetrachloroethene	µg/L	1 U				
Trichloroethene	µg/L	2.24				
cis-1,2-Dichloroethene	µg/L	4600				
trans-1,2-Dichloroethene	µg/L	21.36				
1,1-Dichloroethene	µg/L	1 U				
Vinyl chloride	µg/L	1200				
1,1,1,2-Tetrachloroethane	µg/L	1 U				
1,1,1-Trichloroethane	µg/L	1 U				
1,1,2,2-Tetrachloroethane	µg/L	1 U				
1,1,2-Trichloroethane	µg/L	1 U				
1,1-Dichloroethane	µg/L	1 U				
Chloroethane	µg/L	1 U				
1,1-Dichloropropene	µg/L	1 U				
1,2,3-Trichlorobenzene	µg/L	4 U				
1,2,3-Trichloropropane	µg/L	1 U				
1,2,4-Trichlorobenzene	µg/L	2 U				
1,2-Dibromo-3-chloropropane	µg/L	1 U				
1,2-Dichlorobenzene	µg/L	1 U				
1,2-Dichloroethane	µg/L	1 U				
1,2-Dichloropropane	µg/L	1 U				
1,3-Dichlorobenzene	µg/L	1 U				
1,3-Dichloropropane	µg/L	1 U				
1,4-Dichlorobenzene	µg/L	1 U				
2,2-Dichloropropane	µg/L	2 U				
2-Chlorotoluene	µg/L	1 U				
4-Chlorotoluene	µg/L	1 U				
Bromodichloromethane	µg/L	1 U				
Carbon tetrachloride	µg/L	1 U				
Chlorobenzene	µg/L	8.72				
Chloroform	µg/L	1 U				
Chloromethane	µg/L	1 U				
cis-1,3-Dichloropropene	µg/L	1 U				
Dibromochloromethane	µg/L	1 U				
Dichlorodifluoromethane	µg/L	1 U				
Dichloromethane	µg/L	1 U				
trans-1,3-Dichloropropene	µg/L	1 U				
Trichlorofluoromethane	µg/L	1 U				
BTEX						
Benzene	µg/L	1 U				
Toluene	µg/L	5.24				
Ethylbenzene	µg/L	93.04				
Xylene (total)	µg/L	12				
Semivolatile Organic Compounds						
Hexachlorobutadiene	µg/L	4 U				

	Event	Fox-Ave ERD Performance Monitoring Q1 (1st Qtr April 2009)				
	Location	B-33A	B-34	B-58	B-59	B-60
	SampleID	**B-33A-042809**	**B-34-042809**	**B-58-042809**	**B-59-042809**	**B-60-10-022009**
	Depth (bgs)	32 ft	11 ft	11 ft	27 ft	10 ft
	Sample Date	04/28/2009	04/28/2009	04/28/2009	04/28/2009	02/20/2009
Volatile Organic Compounds						
Tetrachloroethene	µg/L	1 U	19	690	18	
Trichloroethene	µg/L	1 U	5	210	22	
cis-1,2-Dichloroethene	µg/L	2100	4.5	120	150	
trans-1,2-Dichloroethene	µg/L	1.9	1 U	1.7	7.7	
1,1-Dichloroethene	µg/L	9.3	1 U	6.6	1.3	
Vinyl chloride	µg/L	1200	0.2 U	23	200	
1,1,1,2-Tetrachloroethane	µg/L	1 U	1 U	1 U	1 U	
1,1,1-Trichloroethane	µg/L	1 U	1 U	1 U	1 U	
1,1,2,2-Tetrachloroethane	µg/L	1 U	1 U	1 U	1 U	
1,1,2-Trichloroethane	µg/L	1 U	1 U	1 U	1 U	
1,1-Dichloroethane	µg/L	26	1 U	1 U	1 U	
Chloroethane	µg/L	1 U	1 U	1 U	1 U	
1,1-Dichloropropene	µg/L	1 U	1 U	1 U	1 U	
1,2,3-Trichlorobenzene	µg/L	4 U	4 U	4 U	4 U	
1,2,3-Trichloropropane	µg/L	1 U	1 U	1 U	1 U	
1,2,4-Trichlorobenzene	µg/L	2 U	2 U	2 U	2 U	
1,2-Dibromo-3-chloropropane	µg/L	1 U	1 U	1 U	1 U	
1,2-Dichlorobenzene	µg/L	1 U	1 U	1 U	1 U	
1,2-Dichloroethane	µg/L	1 U	1 U	1 U	1 U	
1,2-Dichloropropane	µg/L	1 U	1 U	1 U	5.8	
1,3-Dichlorobenzene	µg/L	1 U	1 U	1 U	1 U	
1,3-Dichloropropane	µg/L	1 U	1 U	1 U	1 U	
1,4-Dichlorobenzene	µg/L	1 U	1 U	1 U	1 U	
2,2-Dichloropropane	µg/L	2 U	2 U	2 U	2 U	
2-Chlorotoluene	µg/L	1 U	1 U	1 U	1 U	
4-Chlorotoluene	µg/L	1 U	1 U	1 U	1 U	
Bromodichloromethane	µg/L	1 U	1 U	1 U	1 U	
Carbon tetrachloride	µg/L	1 U	1 U	1 U	1 U	
Chlorobenzene	µg/L	4.6	1 U	1 U	1 U	
Chloroform	µg/L	1 U	1 U	1 U	1 U	
Chloromethane	µg/L	1 U	1 U	1 U	1 U	
cis-1,3-Dichloropropene	µg/L	1 U	1 U	1 U	1 U	
Dibromochloromethane	µg/L	1 U	1 U	1 U	1 U	
Dichlorodifluoromethane	µg/L	1 U	1 U	1 U	1 U	
Dichloromethane	µg/L	1 U	1 U	1 U	1 U	
trans-1,3-Dichloropropene	µg/L	1 U	1 U	1 U	1 U	
Trichlorofluoromethane	µg/L	1 U	1 U	1 U	1 U	
BTEX						
Benzene	µg/L	9.3	1 U	1 U	4.1	
Toluene	µg/L	1 U	1 U	1 U	1 U	
Ethylbenzene	µg/L	1 U	1 U	1 U	1 U	
Xylene (total)	µg/L	2.9	1 U	1 U	1 U	
Semivolatile Organic Compounds						
Hexachlorobutadiene	µg/L	4 U	4 U	4 U	4 U	
Dissolved Metals						
Arsenic	mg/L	0.002 U	0.004	0.002 U	0.002 U	
Iron	mg/L	32	0.17	0.1 U	49	
Manganese	mg/L	1.3	0.022	2.9	710	

	Event	**Fox-Ave ERD Performance Monitoring Q1 (1st Qtr April 2009)**				
	Location	B-33A	B-34	B-58	B-59	B-60
	SampleID	**B-33A-042809**	**B-34-042809**	**B-58-042809**	**B-59-042809**	**B-60-10-022009**
	Depth (bgs)	32 ft	11 ft	11 ft	27 ft	10 ft
	Sample Date	04/28/2009	04/28/2009	04/28/2009	04/28/2009	02/20/2009
Conventionals						
Bromide	mg/L					0.1 U
Nitrate	mg/L	0.1 U	1.6	2.4	0.51	
Nitrite	mg/L	0.1 U	0.1 U	0.1 U	0.1 U	
Sulfate	mg/L	140	520	46	31	
Dissolved Gases						
Ethane	mg/L	0.011 J	0.005 U	0.005 U	0.05 U	
Ethene	mg/L	0.19	0.005 U	0.005 U	0.01 J	
Methane	mg/L	0.1	33333E-02	66667E-02	0.04 J	

	Event	Fox-Ave ERD Performance Monitoring Q1 (1st Qtr April 2009)				
	Location	B-60	B-60	B-60	B-60	B-61
	SampleID	**B-60-10-022509**	**B-60-10-022709**	**B-60-10-030409**	**B-60-042809**	**B-61-042809**
	Depth (bgs)	10 ft	10 ft	10 ft	11 ft	42 ft
	Sample Date	02/25/2009	02/27/2009	03/04/2009	04/28/2009	04/28/2009
Volatile Organic Compounds						
Tetrachloroethene	µg/L				39	1 U
Trichloroethene	µg/L				1.5	1.4
cis-1,2-Dichloroethene	µg/L				5.4	1700
trans-1,2-Dichloroethene	µg/L				1 U	36
1,1-Dichloroethene	µg/L				1 U	4.1
Vinyl chloride	µg/L				0.2 U	1200
1,1,1,2-Tetrachloroethane	µg/L				1 U	1 U
1,1,1-Trichloroethane	µg/L				1 U	1 U
1,1,2,2-Tetrachloroethane	µg/L				1 U	1 U
1,1,2-Trichloroethane	µg/L				1 U	1 U
1,1-Dichloroethane	µg/L				1 U	2
Chloroethane	µg/L				1 U	1.5
1,1-Dichloropropene	µg/L				1 U	1 U
1,2,3-Trichlorobenzene	µg/L				4 U	4 U
1,2,3-Trichloropropane	µg/L				1 U	1 U
1,2,4-Trichlorobenzene	µg/L				2 U	2 U
1,2-Dibromo-3-chloropropane	µg/L				1 U	1 U
1,2-Dichlorobenzene	µg/L				1 U	1 U
1,2-Dichloroethane	µg/L				1 U	1 U
1,2-Dichloropropane	µg/L				1 U	1 U
1,3-Dichlorobenzene	µg/L				1 U	1 U
1,3-Dichloropropane	µg/L				1 U	1 U
1,4-Dichlorobenzene	µg/L				1 U	1 U
2,2-Dichloropropane	µg/L				2 U	2 U
2-Chlorotoluene	µg/L				1 U	1 U
4-Chlorotoluene	µg/L				1 U	1 U
Bromodichloromethane	µg/L				1 U	1 U
Carbon tetrachloride	µg/L				1 U	1 U
Chlorobenzene	µg/L				1 U	1 U
Chloroform	µg/L				24	1 U
Chloromethane	µg/L				1 U	1 U
cis-1,3-Dichloropropene	µg/L				1 U	1 U
Dibromochloromethane	µg/L				1 U	1 U
Dichlorodifluoromethane	µg/L				1 U	1 U
Dichloromethane	µg/L				1 U	1 U
trans-1,3-Dichloropropene	µg/L				1 U	1 U
Trichlorofluoromethane	µg/L				1 U	1 U
BTEX						
Benzene	µg/L				1 U	1.7
Toluene	µg/L				1 U	1 U
Ethylbenzene	µg/L				1 U	1 U
Xylene (total)	µg/L				1 U	1.3
Semivolatile Organic Compounds						
Hexachlorobutadiene	µg/L				4 U	4 U
Dissolved Metals						
Arsenic	mg/L				0.002 U	0.002 U
Iron	mg/L				0.1 U	11
Manganese	mg/L				0.028	0.196

	Event	Fox-Ave ERD Performance Monitoring Q1 (1st Qtr April 2009)				
	Location	B-60	B-60	B-60	B-60	B-61
	SampleID	**B-60-10-022509**	**B-60-10-022709**	**B-60-10-030409**	**B-60-042809**	**B-61-042809**
	Depth (bgs)	10 ft	10 ft	10 ft	11 ft	42 ft
	Sample Date	02/25/2009	02/27/2009	03/04/2009	04/28/2009	04/28/2009
Conventionals						
Bromide	mg/L	0.1 U	0.1 U	0.1 U		
Nitrate	mg/L				0.23	0.1 U
Nitrite	mg/L				0.1 U	0.1 U
Sulfate	mg/L				3.98	120
Dissolved Gases						
Ethane	mg/L				0.005 U	0.005 U
Ethene	mg/L				0.005 U	88889E-02
Methane	mg/L				44444E-02	44445E-02

	Event	Fox-Ave ERD Performance Monitoring Q1 (1st Qtr April 2009)				
	Location	B-61	B-61	B-61	B-61	B-61
	SampleID	**DUP1-042809**	**B-61-45-022009**	**B-61-45D-022009**	**B-61-45-022509**	**B-61-45-022709**
	Depth (bgs)	42 ft	45 ft	45 ft	45 ft	45 ft
	Sample Date	04/28/2009	02/20/2009	02/20/2009	02/25/2009	02/27/2009
Volatile Organic Compounds						
Tetrachloroethene	µg/L	1 U				
Trichloroethene	µg/L	1.1				
cis-1,2-Dichloroethene	µg/L	1600				
trans-1,2-Dichloroethene	µg/L	28				
1,1-Dichloroethene	µg/L	3.6				
Vinyl chloride	µg/L	1800				
1,1,1,2-Tetrachloroethane	µg/L	1 U				
1,1,1-Trichloroethane	µg/L	1 U				
1,1,2,2-Tetrachloroethane	µg/L	1 U				
1,1,2-Trichloroethane	µg/L	1 U				
1,1-Dichloroethane	µg/L	2.4				
Chloroethane	µg/L	1.2				
1,1-Dichloropropene	µg/L	1 U				
1,2,3-Trichlorobenzene	µg/L	4 U				
1,2,3-Trichloropropane	µg/L	1 U				
1,2,4-Trichlorobenzene	µg/L	2 U				
1,2-Dibromo-3-chloropropane	µg/L	1 U				
1,2-Dichlorobenzene	µg/L	1 U				
1,2-Dichloroethane	µg/L	1 U				
1,2-Dichloropropane	µg/L	1 U				
1,3-Dichlorobenzene	µg/L	1 U				
1,3-Dichloropropane	µg/L	1 U				
1,4-Dichlorobenzene	µg/L	1 U				
2,2-Dichloropropane	µg/L	2 U				
2-Chlorotoluene	µg/L	1 U				
4-Chlorotoluene	µg/L	1 U				
Bromodichloromethane	µg/L	1 U				
Carbon tetrachloride	µg/L	1 U				
Chlorobenzene	µg/L	1 U				
Chloroform	µg/L	1 U				
Chloromethane	µg/L	1 U				
cis-1,3-Dichloropropene	µg/L	1 U				
Dibromochloromethane	µg/L	1 U				
Dichlorodifluoromethane	µg/L	1 U				
Dichloromethane	µg/L	1 U				
trans-1,3-Dichloropropene	µg/L	1 U				
Trichlorofluoromethane	µg/L	1 U				
BTEX						
Benzene	µg/L	1.5				
Toluene	µg/L	1 U				
Ethylbenzene	µg/L	1 U				
Xylene (total)	µg/L	1.2				
Semivolatile Organic Compounds						
Hexachlorobutadiene	µg/L	4 U				
Conventionals						
Bromide	mg/L		0.37	0.39	0.339	0.1 U

	Event	Fox-Ave ERD Performance Monitoring Q1 (1st Qtr April 2009)				
	Location	B-61	B-64	B-65	R1-IW2	R1-IW2
	SampleID	**B-61-45-030409**	**B-64-042809**	**B-65-042809**	**R1IW2-30-042909**	**R1IW2-45-041709**
	Depth (bgs)	45 ft	11 ft	32 ft	30 ft	45 ft
	Sample Date	03/04/2009	04/28/2009	04/28/2009	04/29/2009	04/17/2009
Volatile Organic Compounds						
Tetrachloroethene	µg/L		94	1 U	5.2	
Trichloroethene	µg/L		20	1 U	17	
cis-1,2-Dichloroethene	µg/L		55	510	230	
trans-1,2-Dichloroethene	µg/L		1 U	1.6	3.1	
1,1-Dichloroethene	µg/L		1 U	1.1	1.4	
Vinyl chloride	µg/L		1.7	260	140	
1,1,1,2-Tetrachloroethane	µg/L		1 U	1 U	1 U	
1,1,1-Trichloroethane	µg/L		1 U	1 U	1 U	
1,1,2,2-Tetrachloroethane	µg/L		1 U	1 U	1 U	
1,1,2-Trichloroethane	µg/L		1 U	1 U	1 U	
1,1-Dichloroethane	µg/L		1 U	1 U	5.9	
Chloroethane	µg/L		1 U	1 U	1 U	
1,1-Dichloropropene	µg/L		1 U	1 U	1 U	
1,2,3-Trichlorobenzene	µg/L		4 U	4 U	4 U	
1,2,3-Trichloropropane	µg/L		1 U	1 U	1 U	
1,2,4-Trichlorobenzene	µg/L		2 U	2 U	2 U	
1,2-Dibromo-3-chloropropane	µg/L		1 U	1 U	1 U	
1,2-Dichlorobenzene	µg/L		1 U	1 U	1 U	
1,2-Dichloroethane	µg/L		1 U	1 U	7.8	
1,2-Dichloropropane	µg/L		1 U	1 U	1 U	
1,3-Dichlorobenzene	µg/L		1 U	1 U	1 U	
1,3-Dichloropropane	µg/L		1 U	1 U	1 U	
1,4-Dichlorobenzene	µg/L		1 U	1 U	1 U	
2,2-Dichloropropane	µg/L		2 U	2 U	2 U	
2-Chlorotoluene	µg/L		1 U	1 U	1 U	
4-Chlorotoluene	µg/L		1 U	1 U	1 U	
Bromodichloromethane	µg/L		1 U	1 U	1 U	
Carbon tetrachloride	µg/L		1 U	1 U	1 U	
Chlorobenzene	µg/L		1 U	1 U	1 U	
Chloroform	µg/L		1 U	1 U	1 U	
Chloromethane	µg/L		1 U	1 U	1 U	
cis-1,3-Dichloropropene	µg/L		1 U	1 U	1 U	
Dibromochloromethane	µg/L		1 U	1 U	1 U	
Dichlorodifluoromethane	µg/L		1 U	1 U	1 U	
Dichloromethane	µg/L		1 U	1 U	1 U	
trans-1,3-Dichloropropene	µg/L		1 U	1 U	1 U	
Trichlorofluoromethane	µg/L		1 U	1 U	1 U	
BTEX						
Benzene	µg/L		1 U	1 U	4.9	
Toluene	µg/L		1 U	1 U	1 U	
Ethylbenzene	µg/L		1 U	1 U	1 U	
Xylene (total)	µg/L		1 U	1 U	1 U	
Semivolatile Organic Compounds						
Hexachlorobutadiene	µg/L		4 U	4 U	4 U	
Dissolved Metals						
Arsenic	mg/L		0.002 U	0.002 U	0.002 U	
Iron	mg/L		0.1 U	3.8	110	
Manganese	mg/L		0.01	0.71	57	

	Event	Fox-Ave ERD Performance Monitoring Q1 (1st Qtr April 2009)				
	Location	B-61	B-64	B-65	R1-IW2	R1-IW2
	SampleID	**B-61-45-030409**	**B-64-042809**	**B-65-042809**	**R1IW2-30-042909**	**R1IW2-45-041709**
	Depth (bgs)	45 ft	11 ft	32 ft	30 ft	45 ft
	Sample Date	03/04/2009	04/28/2009	04/28/2009	04/29/2009	04/17/2009
Conventionals						
Bromide	mg/L	0.1 U				
Nitrate	mg/L		5.6	0.2		0.1 U
Nitrite	mg/L		0.1 U	0.1 U		0.1 U
Sulfate	mg/L		27	33		
Total Phosphate	mg/L					3.2
Total Organic Carbon	mg/L				1100	
Dissolved Gases						
Ethane	mg/L		0.005 U	0.0055	0.05 U	
Ethene	mg/L		0.005 U	0.07	0.03 J	
Methane	mg/L		88889E-02	0.16	0.84	
Volatile Fatty Acids						
Acetic Acid	mg/L				920	
Butyric Acid	mg/L				10 U	
Propionic Acid	mg/L				10 U	
Pyruvic Acid	mg/L				32	

	Event	Fox-Ave ERD Performance Monitoring Q1 (1st Qtr April 2009)				
	Location	R1-IW2	R1-IW4A	R1-IW4A	R1-IW4B	R1-IW4B
	SampleID	**R1IW2-60-042909**	**R1IW4A-11-042909**	**DUP2-042909**	**R1IW4B-45-041709**	**R1IW4B-50-042909**
	Depth (bgs)	60 ft	11 ft	11 ft	45 ft	50 ft
	Sample Date	04/29/2009	04/29/2009	04/29/2009	04/17/2009	04/29/2009
Volatile Organic Compounds						
Tetrachloroethene	µg/L	5.6	250	260		5.6
Trichloroethene	µg/L	17	88	89		2.9
cis-1,2-Dichloroethene	µg/L	250	440	450		35
trans-1,2-Dichloroethene	µg/L	3.4	11	11		1.4
1,1-Dichloroethene	µg/L	1.3	1 U	1 U		1 U
Vinyl chloride	µg/L	190	370	400		350
1,1,1,2-Tetrachloroethane	µg/L	1 U	1 U	1 U		1 U
1,1,1-Trichloroethane	µg/L	1 U	1 U	1 U		1 U
1,1,2,2-Tetrachloroethane	µg/L	1 U	1 U	1 U		1 U
1,1,2-Trichloroethane	µg/L	1 U	1 U	1 U		1 U
1,1-Dichloroethane	µg/L	5.3	1 U	1 U		4.9
Chloroethane	µg/L	1 U	1 U	1 U		1 U
1,1-Dichloropropene	µg/L	1 U	1 U	1 U		1 U
1,2,3-Trichlorobenzene	µg/L	4 U	4 U	4 U		4 U
1,2,3-Trichloropropane	µg/L	1 U	1 U	1 U		1 U
1,2,4-Trichlorobenzene	µg/L	2 U	2 U	2 U		2 U
1,2-Dibromo-3-chloropropane	µg/L	1 U	1 U	1 U		1 U
1,2-Dichlorobenzene	µg/L	1 U	1 U	1 U		1 U
1,2-Dichloroethane	µg/L	7.7	1 U	1 U		1 U
1,2-Dichloropropane	µg/L	1 U	1 U	1 U		1 U
1,3-Dichlorobenzene	µg/L	1 U	1.8	1.9		1 U
1,3-Dichloropropane	µg/L	1 U	1 U	1 U		1 U
1,4-Dichlorobenzene	µg/L	1 U	6.4	6.3		1 U
2,2-Dichloropropane	µg/L	2 U	2 U	2 U		2 U
2-Chlorotoluene	µg/L	1 U	1 U	1 U		1 U
4-Chlorotoluene	µg/L	1 U	1 U	1 U		1 U
Bromodichloromethane	µg/L	1 U	1 U	1 U		1 U
Carbon tetrachloride	µg/L	1 U	1 U	1 U		1 U
Chlorobenzene	µg/L	1 U	1 U	1 U		1.4
Chloroform	µg/L	1 U	1 U	1 U		1 U
Chloromethane	µg/L	1 U	1 U	1 U		1 U
cis-1,3-Dichloropropene	µg/L	1 U	1 U	1 U		1 U
Dibromochloromethane	µg/L	1 U	1 U	1 U		1 U
Dichlorodifluoromethane	µg/L	1 U	1 U	1 U		1 U
Dichloromethane	µg/L	1 U	1 U	1 U		1 U
trans-1,3-Dichloropropene	µg/L	1 U	1 U	1 U		1 U
Trichlorofluoromethane	µg/L	1 U	1 U	1 U		1 U
BTEX						
Benzene	µg/L	4.8	1.1	1.1		4.2
Toluene	µg/L	1 U	1 U	1 U		1 U
Ethylbenzene	µg/L	1 U	1 U	1 U		4.3
Xylene (total)	µg/L	1 U	1 U	1 U		1 U
Semivolatile Organic Compounds						
Hexachlorobutadiene	µg/L	4 U	4 U	4 U		4 U
Dissolved Metals						
Arsenic	mg/L	0.002 U	0.002 U			0.002 U
Iron	mg/L	180	3.1			8.2

	Event	**Fox-Ave ERD Performance Monitoring Q1 (1st Qtr April 2009)**				
	Location	R1-IW2	R1-IW4A	R1-IW4A	R1-IW4B	R1-IW4B
	SampleID	**R1IW2-60-042909**	**R1IW4A-11-042909**	**DUP2-042909**	**R1IW4B-45-041709**	**R1IW4B-50-042909**
	Depth (bgs)	60 ft	11 ft	11 ft	45 ft	50 ft
	Sample Date	04/29/2009	04/29/2009	04/29/2009	04/17/2009	04/29/2009
Dissolved Metals						
Manganese	mg/L	57	7.1			14.7
Conventionals						
Nitrate	mg/L				0.1 U	
Nitrite	mg/L				0.1 U	
Total Phosphate	mg/L				1.4	
Total Organic Carbon	mg/L	1600	17.99			130
Dissolved Gases						
Ethane	mg/L	0.05 U	0.05 U			0.005 U
Ethene	mg/L	66667E-02	0.024 J			33333E-02
Methane	mg/L	0.58	0.049			0.39
Volatile Fatty Acids						
Acetic Acid	mg/L	10 U	10 U			190
Butyric Acid	mg/L	10 U	10 U			10 U
Propionic Acid	mg/L	1600	10 U			13
Pyruvic Acid	mg/L	530	10 U			35

	Event	Fox-Ave ERD Performance Monitoring Q1 (1st Qtr April 2009)				
	Location	R1-IW5	R1-IW5	R1-IW6	R1-IW6	R2-IW3
	SampleID	**R1IW5-20-022009**	**R1IW5-40-022009**	**R1IW6-20-022009**	**R1IW6-40-022009**	**R2IW3-30-042909**
	Depth (bgs)	20 ft	40 ft	20 ft	40 ft	30 ft
	Sample Date	02/20/2009	02/20/2009	02/20/2009	02/20/2009	04/29/2009
Volatile Organic Compounds						
Tetrachloroethene	µg/L					4.3
Trichloroethene	µg/L					1.9
cis-1,2-Dichloroethene	µg/L					4200
trans-1,2-Dichloroethene	µg/L					62
1,1-Dichloroethene	µg/L					17
Vinyl chloride	µg/L					2800
1,1,1,2-Tetrachloroethane	µg/L					1 U
1,1,1-Trichloroethane	µg/L					1 U
1,1,2,2-Tetrachloroethane	µg/L					1 U
1,1,2-Trichloroethane	µg/L					1 U
1,1-Dichloroethane	µg/L					6.6
Chloroethane	µg/L					1 U
1,1-Dichloropropene	µg/L					1 U
1,2,3-Trichlorobenzene	µg/L					4 U
1,2,3-Trichloropropane	µg/L					1 U
1,2,4-Trichlorobenzene	µg/L					2 U
1,2-Dibromo-3-chloropropane	µg/L					1 U
1,2-Dichlorobenzene	µg/L					1 U
1,2-Dichloroethane	µg/L					1 U
1,2-Dichloropropane	µg/L					1 U
1,3-Dichlorobenzene	µg/L					1 U
1,3-Dichloropropane	µg/L					1 U
1,4-Dichlorobenzene	µg/L					1 U
2,2-Dichloropropane	µg/L					2 U
2-Chlorotoluene	µg/L					1 U
4-Chlorotoluene	µg/L					1 U
Bromodichloromethane	µg/L					1 U
Carbon tetrachloride	µg/L					1 U
Chlorobenzene	µg/L					1 U
Chloroform	µg/L					1 U
Chloromethane	µg/L					1 U
cis-1,3-Dichloropropene	µg/L					1 U
Dibromochloromethane	µg/L					1 U
Dichlorodifluoromethane	µg/L					1 U
Dichloromethane	µg/L					1 U
trans-1,3-Dichloropropene	µg/L					1 U
Trichlorofluoromethane	µg/L					1 U
BTEX						
Benzene	µg/L					3.7
Toluene	µg/L					8.1
Ethylbenzene	µg/L					2.3
Xylene (total)	µg/L					2.5
Semivolatile Organic Compounds						
Hexachlorobutadiene	µg/L					4 U
Dissolved Metals						
Arsenic	mg/L					0.002 U
Iron	mg/L					57
Manganese	mg/L					1.9

	Event	Fox-Ave ERD Performance Monitoring Q1 (1st Qtr April 2009)				
	Location	R1-IW5	R1-IW5	R1-IW6	R1-IW6	R2-IW3
	SampleID	**R1IW5-20-022009**	**R1IW5-40-022009**	**R1IW6-20-022009**	**R1IW6-40-022009**	**R2IW3-30-042909**
	Depth (bgs)	20 ft	40 ft	20 ft	40 ft	30 ft
	Sample Date	02/20/2009	02/20/2009	02/20/2009	02/20/2009	04/29/2009
Conventionals						
Bromide	mg/L	6.2	0.24	0.2459	0.3	
Total Organic Carbon	mg/L					700
Dissolved Gases						
Ethane	mg/L					0.05 U
Ethene	mg/L					0.18
Methane	mg/L					0.45
Volatile Fatty Acids						
Acetic Acid	mg/L					620
Butyric Acid	mg/L					10 U
Propionic Acid	mg/L					32
Pyruvic Acid	mg/L					28

	Event	Fox-Ave ERD Performance Monitoring Q1 (1st Qtr April 2009)				
	Location	R2-IW3	R2-IW3	R2-IW4	R2-IW4	R2-IW4
	SampleID	**R2IW3-45-041709**	**R2IW3-60-042909**	**R2IW4-17-042909**	**R2IW4-45-041709**	**R2IW4-45-042909**
	Depth (bgs)	45 ft	60 ft	17 ft	45 ft	45 ft
	Sample Date	04/17/2009	04/29/2009	04/29/2009	04/17/2009	04/29/2009
Volatile Organic Compounds						
Tetrachloroethene	µg/L		1.4	1.8		1.7
Trichloroethene	µg/L		1.3	1 U		1 U
cis-1,2-Dichloroethene	µg/L		3100	2020		1500
trans-1,2-Dichloroethene	µg/L		26	4.8		1.9
1,1-Dichloroethene	µg/L		6.9	2.9		1.8
Vinyl chloride	µg/L		920	1700		2400
1,1,1,2-Tetrachloroethane	µg/L		1 U	1 U		1 U
1,1,1-Trichloroethane	µg/L		1 U	1 U		1 U
1,1,2,2-Tetrachloroethane	µg/L		1 U	1 U		1 U
1,1,2-Trichloroethane	µg/L		1 U	1 U		1 U
1,1-Dichloroethane	µg/L		4.8	16		29
Chloroethane	µg/L		1 U	1 U		28
1,1-Dichloropropene	µg/L		1 U	1 U		1 U
1,2,3-Trichlorobenzene	µg/L		4 U	4 U		4 U
1,2,3-Trichloropropane	µg/L		1 U	1 U		1 U
1,2,4-Trichlorobenzene	µg/L		2 U	2 U		2 U
1,2-Dibromo-3-chloropropane	µg/L		1 U	1 U		1 U
1,2-Dichlorobenzene	µg/L		1 U	1 U		1 U
1,2-Dichloroethane	µg/L		1 U	1 U		1 U
1,2-Dichloropropane	µg/L		1 U	1 U		1 U
1,3-Dichlorobenzene	µg/L		1 U	1 U		1 U
1,3-Dichloropropane	µg/L		1 U	1 U		1 U
1,4-Dichlorobenzene	µg/L		1 U	1 U		1 U
2,2-Dichloropropane	µg/L		2 U	2 U		2 U
2-Chlorotoluene	µg/L		1 U	1 U		1 U
4-Chlorotoluene	µg/L		1 U	1 U		1 U
Bromodichloromethane	µg/L		1 U	1 U		1 U
Carbon tetrachloride	µg/L		1 U	1 U		1 U
Chlorobenzene	µg/L		1 U	1 U		1 U
Chloroform	µg/L		1 U	1 U		1 U
Chloromethane	µg/L		1 U	1 U		1 U
cis-1,3-Dichloropropene	µg/L		1 U	1 U		1 U
Dibromochloromethane	µg/L		1 U	1 U		1 U
Dichlorodifluoromethane	µg/L		1 U	1 U		1 U
Dichloromethane	µg/L		1 U	1 U		1 U
trans-1,3-Dichloropropene	µg/L		1 U	1 U		1 U
Trichlorofluoromethane	µg/L		1 U	1 U		1 U
BTEX						
Benzene	µg/L		2.8	7.5		12
Toluene	µg/L		10	3.1		4.6
Ethylbenzene	µg/L		4	6.5		5.1
Xylene (total)	µg/L		1.2	7.4		8.4
Semivolatile Organic Compounds						
Hexachlorobutadiene	µg/L		4 U	4 U		4 U
Dissolved Metals						
Arsenic	mg/L		0.002 U	0.002 U		0.002 U
Iron	mg/L		400	27		190
Manganese	mg/L		7.7	1.3		4.5

	Event	Fox-Ave ERD Performance Monitoring Q1 (1st Qtr April 2009)				
	Location	R2-IW3	R2-IW3	R2-IW4	R2-IW4	R2-IW4
	SampleID	**R2IW3-45-041709**	**R2IW3-60-042909**	**R2IW4-17-042909**	**R2IW4-45-041709**	**R2IW4-45-042909**
	Depth (bgs)	45 ft	60 ft	17 ft	45 ft	45 ft
	Sample Date	04/17/2009	04/29/2009	04/29/2009	04/17/2009	04/29/2009
Conventionals						
Bromide	mg/L	0.1 U			0.1 U	
Nitrate	mg/L	4			5.4	
Nitrite	mg/L	0.1 U			0.1 U	
Total Organic Carbon	mg/L		3600	170		2200
Dissolved Gases						
Ethane	mg/L		0.05 U	0.032 J		44444E-02
Ethene	mg/L		22222E-02	0.45		0.53
Methane	mg/L		0.49	0.54		0.26
Volatile Fatty Acids						
Acetic Acid	mg/L		10 U	280		540
Butyric Acid	mg/L		10 U	10 U		10 U
Propionic Acid	mg/L		2100	32		28
Pyruvic Acid	mg/L		10 U	10 U		50

	Event	Fox-Ave Baseline GW (January 2010)				
	Location	B-08	B-09	B-10A	B-11	B-11
	SampleID	**B-8-40.5**	**B-9-40**	**B-10A-11.5**	**B-11-10.5**	**B-11-10.5-PDB**
	Depth (bgs)	40.5 ft	40 ft	11.5 ft	10.5 ft	10.5 ft
	Sample Date	01/29/2009	01/27/2009	01/29/2009	01/29/2009	01/29/2009
Volatile Organic Compounds						
Tetrachloroethene	µg/L	1 U	5.3	2300	4000	4400
Trichloroethene	µg/L	50	1.5	5200	640	660
cis-1,2-Dichloroethene	µg/L	210	40	19000	560	660.2
trans-1,2-Dichloroethene	µg/L	1.3	1 U	130 J	20 U	11.8 J
1,1-Dichloroethene	µg/L	1 U	1 U	200 U	20 U	20 U
Vinyl chloride	µg/L	19.7	8.3	220	4 U	4 U
1,1,1,2-Tetrachloroethane	µg/L	1 U	1 U	200 U	20 U	20 U
1,1,1-Trichloroethane	µg/L	1 U	1 U	200 U	19.4 J	21.2
1,1,2,2-Tetrachloroethane	µg/L	1 U	1 U	200 U	20 U	20 U
1,1,2-Trichloroethane	µg/L	1 U	1 U	200 U	20 U	20 U
1,1-Dichloroethane	µg/L	1 U	1 U	200 U	20 U	20 U
Chloroethane	µg/L	1 U	1 U	200 U	20 U	20 U
1,1-Dichloropropene	µg/L	1 U	1 U	200 U	20 U	20 U
1,2,3-Trichlorobenzene	µg/L	4 U	4 U	800 U	80 U	80 U
1,2,3-Trichloropropane	µg/L	1 U	1 U	200 U	20 U	20 U
1,2,4-Trichlorobenzene	µg/L	2 U	2 U	400 U	40 U	40 U
1,2-Dibromo-3-chloropropane	µg/L	1 U	1 U	200 U	20 U	20 U
1,2-Dichlorobenzene	µg/L	1 U	1 U	200 U	20 U	20 U
1,2-Dichloroethane	µg/L	1 U	6.6	200 U	20 U	20 U
1,2-Dichloropropane	µg/L	1 U	1 U	200 U	20 U	20 U
1,3-Dichlorobenzene	µg/L	1 U	1 U	200 U	20 U	20 U
1,3-Dichloropropane	µg/L	1 U	1 U	200 U	20 U	20 U
1,4-Dichlorobenzene	µg/L	1 U	1 U	200 U	20 U	20 U
2,2-Dichloropropane	µg/L	2 U	2 U	400 U	40 U	40 U
2-Chlorotoluene	µg/L	1 U	1 U	200 U	20 U	20 U
4-Chlorotoluene	µg/L	1 U	1 U	200 U	20 U	20 U
Carbon tetrachloride	µg/L	1 U	1 U	200 U	20 U	20 U
Chlorobenzene	µg/L	1 U	1 U	200 U	20 U	20 U
Chloroform	µg/L	1 U	1 U	200 U	20 U	20 U
Chloromethane	µg/L	1 U	1 U	200 U	20 U	20 U
cis-1,3-Dichloropropene	µg/L	1 U	1 U	200 U	20 U	20 U
Dibromochloromethane	µg/L	1 U	1 U	200 U	20 U	20 U
Dichlorobromomethane	µg/L	1 U	1 U	200 U	20 U	20 U
Dichlorodifluoromethane	µg/L	1 U	1 U	200 U	20 U	20 U
Dichloromethane	µg/L	1 U	1 U	200 U	20 U	20 U
trans-1,3-Dichloropropene	µg/L	1 U	1 U	200 U	20 U	20 U
Trichlorofluoromethane	µg/L	1 U	1 U	200 U	20 U	20 U
BTEX						
Benzene	µg/L	1 U	1 U	200 U	20 U	20 U
Toluene	µg/L	1 U	1 U	200 U	20 U	20 U
Ethylbenzene	µg/L	1 U	1 U	370	20 U	20 U
Xylene (total)	µg/L	1 U	1 U	680	20 U	20 U
Semivolatile Organic Compounds						
Hexachlorobutadiene	µg/L	4 U	4 U	800 U	80 U	80 U

	Event	Fox-Ave Baseline GW (January 2010)				
	Location	B-15	B-16	B-17	B-18	B-19
	SampleID	**B-15-14.0**	**B-16-15**	**B-17-44**	**B-18-11**	**B-19-41.5**
	Depth (bgs)	14 ft	15 ft	44 ft	11 ft	41.5 ft
	Sample Date	01/27/2009	01/28/2009	01/27/2009	01/28/2009	01/28/2009
Volatile Organic Compounds						
Tetrachloroethene	µg/L	2800	130	1 U	150	20 U
Trichloroethene	µg/L	680	78	1 U	57.2	20 U
cis-1,2-Dichloroethene	µg/L	700	87	1 U	220	87.2
trans-1,2-Dichloroethene	µg/L	17 J	3.2	1 U	12 J	20 U
1,1-Dichloroethene	µg/L	20 U	1 U	1 U	9.6 J	20 U
Vinyl chloride	µg/L	4	0.34	0.27	3400	36
1,1,1,2-Tetrachloroethane	µg/L	20 U	1 U	1 U	20 U	20 U
1,1,1-Trichloroethane	µg/L	20 U	7	1 U	20 U	20 U
1,1,2,2-Tetrachloroethane	µg/L	20 U	1 U	1 U	20 U	20 U
1,1,2-Trichloroethane	µg/L	22	1 U	1 U	20 U	20 U
1,1-Dichloroethane	µg/L	20 U	1 U	1 U	20 U	20 U
Chloroethane	µg/L	20 U	1 U	1 U	20 U	20 U
1,1-Dichloropropene	µg/L	20 U	1 U	1 U	20 U	20 U
1,2,3-Trichlorobenzene	µg/L	80 U	4 U	4 U	80 U	80 U
1,2,3-Trichloropropane	µg/L	20 U	1 U	1 U	20 U	20 U
1,2,4-Trichlorobenzene	µg/L	40 U	2 U	2 U	40 U	40 U
1,2-Dibromo-3-chloropropane	µg/L	20 U	1 U	1 U	20 U	20 U
1,2-Dichlorobenzene	µg/L	20 U	1 U	1 U	20 U	20 U
1,2-Dichloroethane	µg/L	20 U	1 U	1 U	20 U	20 U
1,2-Dichloropropane	µg/L	20 U	1 U	1 U	20 U	20 U
1,3-Dichlorobenzene	µg/L	20 U	1 U	1 U	20 U	20 U
1,3-Dichloropropane	µg/L	20 U	1 U	1 U	20 U	20 U
1,4-Dichlorobenzene	µg/L	20 U	1 U	1 U	20 U	20 U
2,2-Dichloropropane	µg/L	40 U	2 U	2 U	40 U	40 U
2-Chlorotoluene	µg/L	20 U	1 U	1 U	20 U	20 U
4-Chlorotoluene	µg/L	20 U	1 U	1 U	20 U	20 U
Carbon tetrachloride	µg/L	20 U	1 U	1 U	20 U	20 U
Chlorobenzene	µg/L	20 U	1 U	1 U	20 U	20 U
Chloroform	µg/L	20 U	1 U	1 U	20 U	20 U
Chloromethane	µg/L	20 U	1 U	1 U	20 U	20 U
cis-1,3-Dichloropropene	µg/L	20 U	1 U	1 U	20 U	20 U
Dibromochloromethane	µg/L	20 U	1 U	1 U	20 U	20 U
Dichlorobromomethane	µg/L	20 U	1 U	1 U	20 U	20 U
Dichlorodifluoromethane	µg/L	20 U	1 U	1 U	20 U	20 U
Dichloromethane	µg/L	20 U	1 U	1 U	20 U	20 U
trans-1,3-Dichloropropene	µg/L	20 U	1 U	1 U	20 U	20 U
Trichlorofluoromethane	µg/L	20 U	1 U	1 U	20 U	20 U
BTEX						
Benzene	µg/L	20 U	1 U	1 U	20 U	20 U
Toluene	µg/L	20 U	1 U	1 U	20 U	20 U
Ethylbenzene	µg/L	20 U	1 U	1 U	20 U	20 U
Xylene (total)	µg/L	20 U	1 U	1 U	20 U	20 U
Semivolatile Organic Compounds						
Hexachlorobutadiene	µg/L	80 U	4 U	4 U	80 U	80 U

	Event	**Fox-Ave Baseline GW (January 2010)**				
	Location	B-20A	B-20A	B-21	B-21	B-30
	SampleID	**B-20A-10**	**B-20F-10**	**B-21-39.5**	**B-21-44.5**	**B-30-15**
	Depth (bgs)	10 ft	10 ft	39.5 ft	44.5 ft	15 ft
	Sample Date	01/28/2009	01/28/2009	01/28/2009	01/28/2009	01/27/2009
Volatile Organic Compounds						
Tetrachloroethene	µg/L	41.8	42.4	1 U	1 U	15000
Trichloroethene	µg/L	20 U	20 U	1 U	1 U	3200
cis-1,2-Dichloroethene	µg/L	20 U	20 U	1 U	1 U	3300
trans-1,2-Dichloroethene	µg/L	20 U	20 U	1 U	1 U	200 U
1,1-Dichloroethene	µg/L	20 U	20 U	1 U	1 U	200 U
Vinyl chloride	µg/L	4 U	4 U	0.2 U	4 U	40 U
1,1,1,2-Tetrachloroethane	µg/L	20 U	20 U	1 U	1 U	200 U
1,1,1-Trichloroethane	µg/L	20 U	20 U	1 U	1 U	1400
1,1,2,2-Tetrachloroethane	µg/L	20 U	20 U	1 U	1 U	200 U
1,1,2-Trichloroethane	µg/L	20 U	20 U	1 U	1 U	200 U
1,1-Dichloroethane	µg/L	20 U	20 U	1 U	1 U	200 U
Chloroethane	µg/L	20 U	20 U	1 U	1 U	200 U
1,1-Dichloropropene	µg/L	20 U	20 U	1 U	1 U	200 U
1,2,3-Trichlorobenzene	µg/L	80 U	80 U	4 U	4 U	800 U
1,2,3-Trichloropropane	µg/L	20 U	20 U	1 U	1 U	200 U
1,2,4-Trichlorobenzene	µg/L	40 U	40 U	2 U	2 U	400 U
1,2-Dibromo-3-chloropropane	µg/L	20 U	20 U	1 U	1 U	200 U
1,2-Dichlorobenzene	µg/L	20 U	20 U	1 U	1 U	200 U
1,2-Dichloroethane	µg/L	20 U	20 U	1 U	1 U	200 U
1,2-Dichloropropane	µg/L	20 U	20 U	1 U	1 U	200 U
1,3-Dichlorobenzene	µg/L	20 U	20 U	1 U	1 U	200 U
1,3-Dichloropropane	µg/L	20 U	20 U	1 U	1 U	200 U
1,4-Dichlorobenzene	µg/L	20 U	20 U	1 U	1 U	200 U
2,2-Dichloropropane	µg/L	40 U	40 U	2 U	2 U	400 U
2-Chlorotoluene	µg/L	20 U	20 U	1 U	1 U	200 U
4-Chlorotoluene	µg/L	20 U	20 U	1 U	1 U	200 U
Carbon tetrachloride	µg/L	20 U	20 U	1 U	1 U	200 U
Chlorobenzene	µg/L	20 U	20 U	1 U	1 U	200 U
Chloroform	µg/L	20 U	20 U	1 U	1 U	200 U
Chloromethane	µg/L	20 U	20 U	1 U	1 U	200 U
cis-1,3-Dichloropropene	µg/L	20 U	20 U	1 U	1 U	200 U
Dibromochloromethane	µg/L	20 U	20 U	1 U	1 U	200 U
Dichlorobromomethane	µg/L	20 U	20 U	1 U	1 U	200 U
Dichlorodifluoromethane	µg/L	20 U	20 U	1 U	1 U	200 U
Dichloromethane	µg/L	20 U	20 U	1 U	1 U	200 U
trans-1,3-Dichloropropene	µg/L	20 U	20 U	1 U	1 U	200 U
Trichlorofluoromethane	µg/L	20 U	20 U	1 U	1 U	200 U
BTEX						
Benzene	µg/L	20 U	20 U	1 U	1 U	200 U
Toluene	µg/L	20 U	20 U	1 U	1 U	240
Ethylbenzene	µg/L	20 U	20 U	1 U	1 U	280
Xylene (total)	µg/L	20 U	20 U	1 U	1 U	480
Semivolatile Organic Compounds						
Naphthalene	µg/L			4 U	4 U	
Hexachlorobutadiene	µg/L	80 U	80 U	4 U	4 U	800 U

	Event	Fox-Ave Baseline GW (January 2010)				
	Location	B-33A	B-33A	B-33A	B-34	B-34
	SampleID	**B-33A-30**	**B-33A-31**	**B-33A-31-PDB**	**B-34-8**	**B-34-8-PDB**
	Depth (bgs)	30 ft	31 ft	31 ft	8 ft	8 ft
	Sample Date	01/26/2009	01/29/2009	01/26/2009	01/29/2009	01/26/2009
Volatile Organic Compounds						
Tetrachloroethene	µg/L		200 U	20 U	11.8	20 U
Trichloroethene	µg/L		200 U	20 U	2.8	20 U
cis-1,2-Dichloroethene	µg/L		2100	1100	1.2	41
trans-1,2-Dichloroethene	µg/L		200 U	1.2 J	1 U	20 U
1,1-Dichloroethene	µg/L		200 U	6.6 J	1 U	20 U
Vinyl chloride	µg/L		5000	1900	0.2 U	4 U
1,1,1,2-Tetrachloroethane	µg/L		200 U	20 U	1 U	20 U
1,1,1-Trichloroethane	µg/L		200 U	20 U	1 U	20 U
1,1,2,2-Tetrachloroethane	µg/L		200 U	20 U	1 U	20 U
1,1,2-Trichloroethane	µg/L		200 U	20 U	1 U	20 U
1,1-Dichloroethane	µg/L		200 U	20 U	1 U	20 U
Chloroethane	µg/L		200 U	20 U	1 U	20 U
1,1-Dichloropropene	µg/L		200 U	20 U	1 U	20 U
1,2,3-Trichlorobenzene	µg/L		800 U	80 U	4 U	80 U
1,2,3-Trichloropropane	µg/L		200 U	20 U	1 U	20 U
1,2,4-Trichlorobenzene	µg/L		400 U	40 U	2 U	40 U
1,2-Dibromo-3-chloropropane	µg/L		200 U	20 U	1 U	20 U
1,2-Dichlorobenzene	µg/L		200 U	20 U	1 U	20 U
1,2-Dichloroethane	µg/L		200 U	20 U	1 U	20 U
1,2-Dichloropropane	µg/L		200 U	20 U	1 U	20 U
1,3-Dichlorobenzene	µg/L		200 U	20 U	1 U	20 U
1,3-Dichloropropane	µg/L		200 U	20 U	1 U	20 U
1,4-Dichlorobenzene	µg/L		200 U	20 U	1 U	20 U
2,2-Dichloropropane	µg/L		400 U	40 U	2 U	40 U
2-Chlorotoluene	µg/L		200 U	20 U	1 U	20 U
4-Chlorotoluene	µg/L		200 U	20 U	1 U	20 U
Carbon tetrachloride	µg/L		200 U	20 U	1 U	20 U
Chlorobenzene	µg/L		200 U	4.1 J	1 U	20 U
Chloroform	µg/L		200 U	20 U	1 U	20 U
Chloromethane	µg/L		200 U	20 U	1 U	20 U
cis-1,3-Dichloropropene	µg/L		200 U	20 U	1 U	20 U
Dibromochloromethane	µg/L		200 U	20 U	1 U	20 U
Dichlorobromomethane	µg/L		200 U	20 U	1 U	20 U
Dichlorodifluoromethane	µg/L		200 U	20 U	1 U	20 U
Dichloromethane	µg/L		200 U	20 U	1 U	20 U
trans-1,3-Dichloropropene	µg/L		200 U	20 U	1 U	20 U
Trichlorofluoromethane	µg/L		200 U	20 U	1 U	20 U
BTEX						
Benzene	µg/L		200 U	8.5 J	1 U	20 U
Toluene	µg/L		200 U	20 U	1 U	20 U
Ethylbenzene	µg/L		200 U	20 U	1 U	20 U
Xylene (total)	µg/L		200 U	20 U	1 U	20 U
Semivolatile Organic Compounds						
Hexachlorobutadiene	µg/L		800 U	80 U	4 U	80 U
Dissolved Metals						
Antimony	mg/L	0.002 U				
Arsenic	mg/L	0.0035				
Beryllium	mg/L	0.007				

	Event	**Fox-Ave Baseline GW (January 2010)**				
	Location	B-33A	B-33A	B-33A	B-34	B-34
	SampleID	**B-33A-30**	**B-33A-31**	**B-33A-31-PDB**	**B-34-8**	**B-34-8-PDB**
	Depth (bgs)	30 ft	31 ft	31 ft	8 ft	8 ft
	Sample Date	01/26/2009	01/29/2009	01/26/2009	01/29/2009	01/26/2009
Dissolved Metals						
Cadmium	mg/L	0.0004 U				
Chromium	mg/L	0.011				
Copper	mg/L	0.017				
Lead	mg/L	0.002 U				
Mercury	mg/L	0.0005 U				
Molybdenum	mg/L	0.004 U				
Nickel	mg/L	0.01 U				
Selenium	mg/L	0.004				
Silver	mg/L	0.0004 U				
Thallium	mg/L	0.0005 U				
Zinc	mg/L	0.01 U				
Dissolved Gases						
Ethane	mg/L	0.005 U				
Ethene	mg/L	0.005 U				
Methane	mg/L	0.005 U				

	Event	Fox-Ave Baseline GW (January 2010)				
	Location	B-34	B-44	B-45	B-45	B-46
	SampleID	**B-34-10.5**	**B-44-10**	**B-45-38.5**	**B-45-43.5**	**B-46-11.5**
	Depth (bgs)	10.5 ft	10 ft	38.5 ft	43.5 ft	11.5 ft
	Sample Date	01/26/2009	01/28/2009	01/28/2009	01/28/2009	01/28/2009
Volatile Organic Compounds						
Tetrachloroethene	µg/L		17000	200 U	200 U	64000
Trichloroethene	µg/L		240	350	190	540
cis-1,2-Dichloroethene	µg/L		200 U	2500	4400	650
trans-1,2-Dichloroethene	µg/L		200 U	200 U	200 U	200 U
1,1-Dichloroethene	µg/L		200 U	200 U	200 U	200 U
Vinyl chloride	µg/L		40 U	94	460	82
1,1,1,2-Tetrachloroethane	µg/L		200 U	200 U	200 U	200 U
1,1,1-Trichloroethane	µg/L		200 U	200 U	200 U	200 U
1,1,2,2-Tetrachloroethane	µg/L		200 U	200 U	200 U	200 U
1,1,2-Trichloroethane	µg/L		200 U	200 U	200 U	480
1,1-Dichloroethane	µg/L		200 U	200 U	200 U	200 U
Chloroethane	µg/L		200 U	200 U	200 U	200 U
1,1-Dichloropropene	µg/L		200 U	200 U	200 U	200 U
1,2,3-Trichlorobenzene	µg/L		800 U	800 U	800 U	800 U
1,2,3-Trichloropropane	µg/L		200 U	200 U	200 U	200 U
1,2,4-Trichlorobenzene	µg/L		400 U	400 U	400 U	400 U
1,2-Dibromo-3-chloropropane	µg/L		200 U	200 U	200 U	200 U
1,2-Dichlorobenzene	µg/L		200 U	200 U	200 U	200 U
1,2-Dichloroethane	µg/L		200 U	200 U	200 U	200 U
1,2-Dichloropropane	µg/L		200 U	200 U	200 U	200 U
1,3-Dichlorobenzene	µg/L		200 U	200 U	200 U	200 U
1,3-Dichloropropane	µg/L		200 U	200 U	200 U	200 U
1,4-Dichlorobenzene	µg/L		200 U	200 U	200 U	200 U
2,2-Dichloropropane	µg/L		400 U	400 U	400 U	400 U
2-Chlorotoluene	µg/L		200 U	200 U	200 U	200 U
4-Chlorotoluene	µg/L		200 U	200 U	200 U	200 U
Carbon tetrachloride	µg/L		200 U	200 U	200 U	200 U
Chlorobenzene	µg/L		200 U	200 U	200 U	200 U
Chloroform	µg/L		200 U	200 U	200 U	200 U
Chloromethane	µg/L		200 U	200 U	200 U	200 U
cis-1,3-Dichloropropene	µg/L		200 U	200 U	200 U	200 U
Dibromochloromethane	µg/L		200 U	200 U	200 U	200 U
Dichlorobromomethane	µg/L		200 U	200 U	200 U	200 U
Dichlorodifluoromethane	µg/L		200 U	200 U	200 U	200 U
Dichloromethane	µg/L		200 U	200 U	200 U	200 U
trans-1,3-Dichloropropene	µg/L		200 U	200 U	200 U	200 U
Trichlorofluoromethane	µg/L		200 U	200 U	200 U	200 U
BTEX						
Benzene	µg/L		200 U	200 U	200 U	200 U
Toluene	µg/L		200 U	200 U	200 U	200 U
Ethylbenzene	µg/L		200 U	200 U	200 U	200 U
Xylene (total)	µg/L		200 U	200 U	200 U	200 U
Semivolatile Organic Compounds						
Naphthalene	µg/L		4 U			4 U
Hexachlorobutadiene	µg/L		800 U	800 U	800 U	800 U
Dissolved Metals						
Antimony	mg/L	0.003				
Arsenic	mg/L	0.002				

	Event	**Fox-Ave Baseline GW (January 2010)**				
	Location	B-34	B-44	B-45	B-45	B-46
	SampleID	**B-34-10.5**	**B-44-10**	**B-45-38.5**	**B-45-43.5**	**B-46-11.5**
	Depth (bgs)	10.5 ft	10 ft	38.5 ft	43.5 ft	11.5 ft
	Sample Date	01/26/2009	01/28/2009	01/28/2009	01/28/2009	01/28/2009
Dissolved Metals						
Beryllium	mg/L	0.0005 U				
Cadmium	mg/L	0.0004 U				
Chromium	mg/L	0.041				
Copper	mg/L	0.055				
Lead	mg/L	0.002 U				
Mercury	mg/L	0.0005 U				
Molybdenum	mg/L	0.098				
Nickel	mg/L	0.021				
Selenium	mg/L	0.002 U				
Silver	mg/L	0.0004 U				
Thallium	mg/L	0.0005 U				
Zinc	mg/L	0.01 U				
Dissolved Gases						
Ethane	mg/L	0.005 U				
Ethene	mg/L	0.005 U				
Methane	mg/L	0.005 U				

	Event	Fox-Ave Baseline GW (January 2010)				
	Location	B-47	B-50	B-52	B-58	B-58
	SampleID	**B-47-11.5**	**B-50-10**	**B-52-10.5**	**B-58-10-A**	**B-58-10-B**
	Depth (bgs)	11.5 ft	10 ft	10.5 ft	10 ft	10 ft
	Sample Date	01/29/2009	01/28/2009	01/28/2009	01/27/2009	01/28/2009
Volatile Organic Compounds						
Tetrachloroethene	µg/L	25000	24000	2200		190
Trichloroethene	µg/L	1500	1900	160 J		16
cis-1,2-Dichloroethene	µg/L	900	1800	220		5.8
trans-1,2-Dichloroethene	µg/L	200 U	200 U	200 U		1 U
1,1-Dichloroethene	µg/L	200 U	200 U	200 U		1 U
Vinyl chloride	µg/L	40 U	740	40 U		0.2 U
1,1,1,2-Tetrachloroethane	µg/L	200 U	200 U	200 U		1 U
1,1,1-Trichloroethane	µg/L	200	200 U	200 U		1 U
1,1,2,2-Tetrachloroethane	µg/L	200 U	200 U	200 U		1 U
1,1,2-Trichloroethane	µg/L	200 U	200 U	200 U		1 U
1,1-Dichloroethane	µg/L	200 U	200 U	200 U		1 U
Chloroethane	µg/L	200 U	200 U	200 U		1 U
1,1-Dichloropropene	µg/L	200 U	200 U	200 U		1 U
1,2,3-Trichlorobenzene	µg/L	800 U	800 U	800 U		4 U
1,2,3-Trichloropropane	µg/L	200 U	200 U	200 U		1 U
1,2,4-Trichlorobenzene	µg/L	400 U	400 U	400 U		2 U
1,2-Dibromo-3-chloropropane	µg/L	200 U	200 U	200 U		1 U
1,2-Dichlorobenzene	µg/L	400	200 U	200 U		1 U
1,2-Dichloroethane	µg/L	200 U	200 U	200 U		1 U
1,2-Dichloropropane	µg/L	200 U	200 U	200 U		1 U
1,3-Dichlorobenzene	µg/L	200 U	200 U	200 U		1 U
1,3-Dichloropropane	µg/L	200 U	200 U	200 U		1 U
1,4-Dichlorobenzene	µg/L	200 U	200 U	200 U		1 U
2,2-Dichloropropane	µg/L	400 U	400 U	400 U		2 U
2-Chlorotoluene	µg/L	200 U	200 U	200 U		1 U
4-Chlorotoluene	µg/L	200 U	200 U	200 U		1 U
Carbon tetrachloride	µg/L	200 U	200 U	200 U		1 U
Chlorobenzene	µg/L	200 U	200 U	200 U		1 U
Chloroform	µg/L	200 U	200 U	200 U		5
Chloromethane	µg/L	200 U	200 U	200 U		1 U
cis-1,3-Dichloropropene	µg/L	200 U	200 U	200 U		1 U
Dibromochloromethane	µg/L	200 U	200 U	200 U		1 U
Dichlorobromomethane	µg/L	200 U	200 U	200 U		1 U
Dichlorodifluoromethane	µg/L	200 U	200 U	200 U		1 U
Dichloromethane	µg/L	200 U	200 U	200 U		1 U
trans-1,3-Dichloropropene	µg/L	200 U	200 U	200 U		1 U
Trichlorofluoromethane	µg/L	200 U	200 U	200 U		1 U
BTEX						
Benzene	µg/L	200 U	200 U	200 U		1 U
Toluene	µg/L	200 U	200 U	200 U		1 U
Ethylbenzene	µg/L	200 U	200 U	200 U		1 U
Xylene (total)	µg/L	200 U	200 U	200 U		1 U
Semivolatile Organic Compounds						
Naphthalene	µg/L	4 U				
Hexachlorobutadiene	µg/L	800 U	800 U	800 U		4 U
Dissolved Metals						
Antimony	mg/L				0.002 U	
Arsenic	mg/L				0.002	

	Event	**Fox-Ave Baseline GW (January 2010)**				
	Location	B-47	B-50	B-52	B-58	B-58
	SampleID	**B-47-11.5**	**B-50-10**	**B-52-10.5**	**B-58-10-A**	**B-58-10-B**
	Depth (bgs)	11.5 ft	10 ft	10.5 ft	10 ft	10 ft
	Sample Date	01/29/2009	01/28/2009	01/28/2009	01/27/2009	01/28/2009
Dissolved Metals						
Beryllium	mg/L				0.0005 U	
Cadmium	mg/L				0.0004 U	
Chromium	mg/L				0.007	
Copper	mg/L				0.005 U	
Lead	mg/L				0.002 U	
Mercury	mg/L				0.0005 U	
Molybdenum	mg/L				0.004 U	
Nickel	mg/L				0.01 U	
Selenium	mg/L				0.002 U	
Silver	mg/L				0.0004 U	
Thallium	mg/L				0.0005 U	
Zinc	mg/L				0.01 U	
Dissolved Gases						
Ethane	mg/L				0.005 U	
Ethene	mg/L				0.005 U	
Methane	mg/L				0.014	

	Event	Fox-Ave Baseline GW (January 2010)				
	Location	B-59	B-59	B-60	B-60	B-61
	SampleID	**B-59-25**	**B-59-26.5**	**B-60-9.7**	**B-60-10**	**B-61-40**
	Depth (bgs)	25 ft	26.5 ft	9.7 ft	10 ft	40 ft
	Sample Date	01/27/2009	01/27/2009	01/27/2009	01/27/2009	01/27/2009
Volatile Organic Compounds						
Tetrachloroethene	µg/L		23	60		
Trichloroethene	µg/L		6.5	1.7		
cis-1,2-Dichloroethene	µg/L		48	1 U		
trans-1,2-Dichloroethene	µg/L		1 U	1 U		
1,1-Dichloroethene	µg/L		1 U	1 U		
Vinyl chloride	µg/L		2.5	4 U		
1,1,1,2-Tetrachloroethane	µg/L		1 U	1 U		
1,1,1-Trichloroethane	µg/L		1 U	1 U		
1,1,2,2-Tetrachloroethane	µg/L		1 U	1 U		
1,1,2-Trichloroethane	µg/L		1 U	1 U		
1,1-Dichloroethane	µg/L		1 U	1 U		
Chloroethane	µg/L		1 U	1 U		
1,1-Dichloropropene	µg/L		1 U	1 U		
1,2,3-Trichlorobenzene	µg/L		4 U	4 U		
1,2,3-Trichloropropane	µg/L		1 U	1 U		
1,2,4-Trichlorobenzene	µg/L		2 U	2 U		
1,2-Dibromo-3-chloropropane	µg/L		1 U	1 U		
1,2-Dichlorobenzene	µg/L		1 U	1 U		
1,2-Dichloroethane	µg/L		1 U	1 U		
1,2-Dichloropropane	µg/L		1 U	1 U		
1,3-Dichlorobenzene	µg/L		1 U	1 U		
1,3-Dichloropropane	µg/L		1 U	1 U		
1,4-Dichlorobenzene	µg/L		1 U	1 U		
2,2-Dichloropropane	µg/L		2 U	2 U		
2-Chlorotoluene	µg/L		1 U	1 U		
4-Chlorotoluene	µg/L		1 U	1 U		
Carbon tetrachloride	µg/L		1 U	1 U		
Chlorobenzene	µg/L		1 U	1 U		
Chloroform	µg/L		1 U	11		
Chloromethane	µg/L		1 U	1 U		
cis-1,3-Dichloropropene	µg/L		1 U	1 U		
Dibromochloromethane	µg/L		1 U	1 U		
Dichlorobromomethane	µg/L		1 U	1 U		
Dichlorodifluoromethane	µg/L		1 U	1 U		
Dichloromethane	µg/L		1 U	1 U		
trans-1,3-Dichloropropene	µg/L		1 U	1 U		
Trichlorofluoromethane	µg/L		1 U	1 U		
BTEX						
Benzene	µg/L		1 U	1 U		
Toluene	µg/L		1 U	1 U		
Ethylbenzene	µg/L		1 U	1 U		
Xylene (total)	µg/L		1 U	1 U		
Semivolatile Organic Compounds						
Hexachlorobutadiene	µg/L		4 U	4 U		
Dissolved Metals						
Antimony	mg/L	0.002 U			0.002 U	0.002 U
Arsenic	mg/L	0.005			0.003	0.0046
Beryllium	mg/L	0.0027			0.0005 U	0.0005 U

	Event	Fox-Ave Baseline GW (January 2010)				
	Location	B-59	B-59	B-60	B-60	B-61
	SampleID	**B-59-25**	**B-59-26.5**	**B-60-9.7**	**B-60-10**	**B-61-40**
	Depth (bgs)	25 ft	26.5 ft	9.7 ft	10 ft	40 ft
	Sample Date	01/27/2009	01/27/2009	01/27/2009	01/27/2009	01/27/2009
Dissolved Metals						
Cadmium	mg/L	0.0004 U			0.0004 U	0.0004 U
Chromium	mg/L	0.01			0.004	0.008
Copper	mg/L	0.021			0.005 U	0.005 U
Lead	mg/L	0.002 U			0.002 U	0.002 U
Mercury	mg/L	0.0005 U			0.0005 U	0.0005 U
Molybdenum	mg/L	0.004 U			0.004 U	0.004 U
Nickel	mg/L	0.01 U			0.01 U	0.01 U
Selenium	mg/L	0.002 U			0.002 U	0.002 U
Silver	mg/L	0.0004 U			0.0004	0.0004 U
Thallium	mg/L	0.0005 U			0.0005 U	0.0005 U
Zinc	mg/L	0.01 U			0.01 U	0.01 U
Conventionals						
Bromide	mg/L	0.48			0.1 U	0.76
Total Organic Carbon	mg/L	4.3				7.1
Dissolved Gases						
Ethane	mg/L	0.015			0.005 U	0.064
Ethene	mg/L	0.005 U			0.005 U	0.005 U
Methane	mg/L	0.03			0.006	3.02842

	Event	**Fox-Ave Baseline GW (January 2010)**				
	Location	B-61	B-64	B-65	B-65	B-65
	SampleID	**B-61-40.5**	**B-64-8**	**B-65-29**	**B-65-31.5**	**B-65-31.5-PDB**
	Depth (bgs)	40.5 ft	8 ft	29 ft	31.5 ft	31.5 ft
	Sample Date	01/27/2009	01/26/2009	01/26/2009	01/29/2009	01/26/2009
Volatile Organic Compounds						
Tetrachloroethene	µg/L	1 U	20 U		200 U	20 U
Trichloroethene	µg/L	76	48		200 U	20 U
cis-1,2-Dichloroethene	µg/L	870	110		23000	15000
trans-1,2-Dichloroethene	µg/L	11	20 U		150 J	130
1,1-Dichloroethene	µg/L	1 U	20 U		200 U	48
Vinyl chloride	µg/L	450	20		9800	6500
1,1,1,2-Tetrachloroethane	µg/L	1 U	20 U		200 U	20 U
1,1,1-Trichloroethane	µg/L	1 U	20 U		200 U	20 U
1,1,2,2-Tetrachloroethane	µg/L	1 U	20 U		200 U	20 U
1,1,2-Trichloroethane	µg/L	1 U	20 U		200 U	20 U
1,1-Dichloroethane	µg/L	1 U	20 U		200 U	20 U
Chloroethane	µg/L	1 U	20 U		200 U	20 U
1,1-Dichloropropene	µg/L	1 U	20 U		200 U	20 U
1,2,3-Trichlorobenzene	µg/L	4 U	80 U		800 U	80 U
1,2,3-Trichloropropane	µg/L	1 U	20 U		200 U	20 U
1,2,4-Trichlorobenzene	µg/L	2 U	40 U		400 U	40 U
1,2-Dibromo-3-chloropropane	µg/L	1 U	20 U		200 U	20 U
1,2-Dichlorobenzene	µg/L	1 U	20 U		200 U	20 U
1,2-Dichloroethane	µg/L	1 U	20 U		200 U	20 U
1,2-Dichloropropane	µg/L	1 U	20 U		200 U	20 U
1,3-Dichlorobenzene	µg/L	1 U	20 U		200 U	20 U
1,3-Dichloropropane	µg/L	1 U	20 U		200 U	20 U
1,4-Dichlorobenzene	µg/L	1 U	20 U		200 U	20 U
2,2-Dichloropropane	µg/L	2 U	40 U		400 U	40 U
2-Chlorotoluene	µg/L	1 U	20 U		200 U	20 U
4-Chlorotoluene	µg/L	1 U	20 U		200 U	20 U
Carbon tetrachloride	µg/L	1 U	20 U		200 U	20 U
Chlorobenzene	µg/L	1 U	20 U		200 U	20 U
Chloroform	µg/L	1 U	20 U		200 U	20 U
Chloromethane	µg/L	1 U	20 U		200 U	20 U
cis-1,3-Dichloropropene	µg/L	1 U	20 U		200 U	20 U
Dibromochloromethane	µg/L	1 U	20 U		200 U	20 U
Dichlorobromomethane	µg/L	1 U	20 U		200 U	20 U
Dichlorodifluoromethane	µg/L	1 U	20 U		200 U	20 U
Dichloromethane	µg/L	1 U	20 U		200 U	20 U
trans-1,3-Dichloropropene	µg/L	1 U	20 U		200 U	20 U
Trichlorofluoromethane	µg/L	1 U	20 U		200 U	20 U
BTEX						
Benzene	µg/L	1 U	20 U		200 U	20 U
Toluene	µg/L	1 U	20 U		200 U	20 U
Ethylbenzene	µg/L	1 U	20 U		200 U	20 U
Xylene (total)	µg/L	1 U	20 U		200 U	20 U
Semivolatile Organic Compounds						
Hexachlorobutadiene	µg/L	4 U	80 U		800 U	80 U
Dissolved Metals						
Antimony	mg/L		0.002 U	0.002 U		
Arsenic	mg/L		0.004	0.002 U		
Beryllium	mg/L		0.0005 U	0.005		

	Event	Fox-Ave Baseline GW (January 2010)				
	Location	B-61	B-64	B-65	B-65	B-65
	SampleID	**B-61-40.5**	**B-64-8**	**B-65-29**	**B-65-31.5**	**B-65-31.5-PDB**
	Depth (bgs)	40.5 ft	8 ft	29 ft	31.5 ft	31.5 ft
	Sample Date	01/27/2009	01/26/2009	01/26/2009	01/29/2009	01/26/2009
Dissolved Metals						
Cadmium	mg/L		0.0004 U	0.0004 U		
Chromium	mg/L		0.005	0.01		
Copper	mg/L		0.009	0.022		
Lead	mg/L		0.002 U	0.002 U		
Mercury	mg/L		0.0005 U	0.0005 U		
Molybdenum	mg/L		0.004 U	0.004 U		
Nickel	mg/L		0.01 U	0.01 U		
Selenium	mg/L		0.002 U	0.002 U		
Silver	mg/L		0.0004 U	0.0004		
Thallium	mg/L		0.0005 U	0.0005 U		
Zinc	mg/L		0.01 U	0.023		
Conventionals						
Bromide	mg/L		0.47	0.58		
Total Organic Carbon	mg/L		3.6	23.1		
Dissolved Gases						
Ethane	mg/L		0.005 U	0.005 U		
Ethene	mg/L		0.005 U	0.005 U		
Methane	mg/L		0.047	19		

	Event	Fox-Ave Baseline GW (January 2010)				
	Location	B-72	B-73	B-74	B-76	MW-01
	SampleID	**B-72-14.4**	**B-73-14**	**B-74-14.5**	**B-76-14**	**MW-1-10**
	Depth (bgs)	14.4 ft	14 ft	14.5 ft	14 ft	10 ft
	Sample Date	01/27/2009	01/27/2009	01/27/2009	01/27/2009	04/07/2009
Volatile Organic Compounds						
Tetrachloroethene	µg/L	150	170	150	310	62.73
Trichloroethene	µg/L	20 U	20 U	96	2.9	19.4
cis-1,2-Dichloroethene	µg/L	20 U	20 U	83	1	34
trans-1,2-Dichloroethene	µg/L	20 U	20 U	20 U	1 U	5.19
1,1-Dichloroethene	µg/L	20 U	20 U	20 U	1 U	1 U
Vinyl chloride	µg/L	4 U	4 U	22	0.2 U	0.94
1,1,1,2-Tetrachloroethane	µg/L	20 U	20 U	20 U	1 U	1 U
1,1,1-Trichloroethane	µg/L	20 U	20 U	20 U	17	1 U
1,1,2,2-Tetrachloroethane	µg/L	20 U	20 U	20 U	1 U	1 U
1,1,2-Trichloroethane	µg/L	20 U	20 U	20 U	2.3	1 U
1,1-Dichloroethane	µg/L	20 U	20 U	20 U	1.3	1 U
Chloroethane	µg/L	20 U	20 U	20 U	1 U	1 U
1,1-Dichloropropene	µg/L	20 U	20 U	20 U	1 U	1 U
1,2,3-Trichlorobenzene	µg/L	80 U	80 U	80 U	4 U	4 U
1,2,3-Trichloropropane	µg/L	20 U	20 U	20 U	1 U	1 U
1,2,4-Trichlorobenzene	µg/L	40 U	40 U	40 U	2 U	2 U
1,2-Dibromo-3-chloropropane	µg/L	20 U	20 U	20 U	1 U	1 U
1,2-Dichlorobenzene	µg/L	20 U	20 U	20 U	1 U	1 U
1,2-Dichloroethane	µg/L	20 U	20 U	20 U	1 U	1 U
1,2-Dichloropropane	µg/L	20 U	20 U	20 U	1 U	1 U
1,3-Dichlorobenzene	µg/L	20 U	20 U	20 U	1 U	1 U
1,3-Dichloropropane	µg/L	20 U	20 U	20 U	1 U	1 U
1,4-Dichlorobenzene	µg/L	20 U	20 U	20 U	1 U	1 U
2,2-Dichloropropane	µg/L	40 U	40 U	40 U	2 U	2 U
2-Chlorotoluene	µg/L	20 U	20 U	20 U	1 U	1 U
4-Chlorotoluene	µg/L	20 U	20 U	20 U	1 U	1 U
Bromodichloromethane	µg/L					1
Carbon tetrachloride	µg/L	20 U	20 U	20 U	1 U	1 U
Chlorobenzene	µg/L	20 U	20 U	20 U	1 U	1 U
Chloroform	µg/L	20 U	20 U	20 U	1 U	1.5
Chloromethane	µg/L	20 U	20 U	20 U	1 U	1 U
cis-1,3-Dichloropropene	µg/L	20 U	20 U	20 U	1 U	1 U
Dibromochloromethane	µg/L	20 U	20 U	20 U	1 U	1 U
Dichlorobromomethane	µg/L	20 U	20 U	20 U	1 U	
Dichlorodifluoromethane	µg/L	20 U	20 U	20 U	1 U	1 U
Dichloromethane	µg/L	20 U	20 U	20 U	1 U	1 U
trans-1,3-Dichloropropene	µg/L	20 U	20 U	20 U	1 U	1 U
Trichlorofluoromethane	µg/L	20 U	20 U	20 U	1 U	1 U
BTEX						
Benzene	µg/L	20 U	20 U	20 U	1 U	1 U
Toluene	µg/L	20 U	20 U	20 U	1 U	1 U
Ethylbenzene	µg/L	20 U	20 U	20 U	1 U	1 U
Xylene (total)	µg/L	20 U	20 U	20 U	1 U	1 U
Semivolatile Organic Compounds						
Hexachlorobutadiene	µg/L	80 U	80 U	80 U	4 U	4 U

	Event	Fox-Ave Baseline GW (January 2010)				
	Location	MW-02	MW-07	MW-08	MW-09	MW-10
	SampleID	**MW-2-36**	**MW-7-11**	**MW-8-24**	**MW-9-10.4**	**MW-10-24**
	Depth (bgs)	36 ft	11 ft	24 ft	10.4 ft	24 ft
	Sample Date	04/07/2009	01/28/2009	01/28/2009	01/26/2009	01/26/2009
Volatile Organic Compounds						
Tetrachloroethene	µg/L	1	300	12 J	3000	20 U
Trichloroethene	µg/L	1.66	36.6	81.4	680	20 U
cis-1,2-Dichloroethene	µg/L	180	15 J	160.2	280	17000
trans-1,2-Dichloroethene	µg/L	4.9	20 U	20 U	20 U	170
1,1-Dichloroethene	µg/L	2	20 U	20 U	20 U	37
Vinyl chloride	µg/L	0.2 U	16.6	200	20	13000
1,1,1,2-Tetrachloroethane	µg/L	1 U	20 U	20 U	20 U	20 U
1,1,1-Trichloroethane	µg/L	1 U	20 U	20 U	100	20 U
1,1,2,2-Tetrachloroethane	µg/L	1 U	20 U	20 U	20 U	20 U
1,1,2-Trichloroethane	µg/L	1 U	20 U	20 U	26	20 U
1,1-Dichloroethane	µg/L	1 U	20 U	20 U	20 U	120
Chloroethane	µg/L	1 U	20 U	20 U	20 U	20 U
1,1-Dichloropropene	µg/L	1 U	20 U	20 U	20 U	20 U
1,2,3-Trichlorobenzene	µg/L	4 U	80 U	80 U	80 U	80 U
1,2,3-Trichloropropane	µg/L	1 U	20 U	20 U	20 U	20 U
1,2,4-Trichlorobenzene	µg/L	2 U	40 U	40 U	40 U	40 U
1,2-Dibromo-3-chloropropane	µg/L	1 U	20 U	20 U	20 U	20 U
1,2-Dichlorobenzene	µg/L	1 U	20 U	20 U	20 U	60
1,2-Dichloroethane	µg/L	1 U	20 U	20 U	20 U	20 U
1,2-Dichloropropane	µg/L	1 U	20 U	20 U	20 U	20 U
1,3-Dichlorobenzene	µg/L	1 U	20 U	20 U	20 U	20 U
1,3-Dichloropropane	µg/L	1 U	20 U	20 U	20 U	20 U
1,4-Dichlorobenzene	µg/L	1 U	20 U	20 U	20 U	20 U
2,2-Dichloropropane	µg/L	2 U	40 U	40 U	40 U	40 U
2-Chlorotoluene	µg/L	1 U	20 U	20 U	20 U	20 U
4-Chlorotoluene	µg/L	1 U	20 U	20 U	20 U	20 U
Bromodichloromethane	µg/L	1				
Carbon tetrachloride	µg/L	1 U	20 U	20 U	20 U	20 U
Chlorobenzene	µg/L	1 U	20 U	20 U	20 U	20 U
Chloroform	µg/L	1 U	20 U	20 U	20 U	20 U
Chloromethane	µg/L	1 U	20 U	20 U	20 U	20 U
cis-1,3-Dichloropropene	µg/L	1 U	20 U	20 U	20 U	20 U
Dibromochloromethane	µg/L	1 U	20 U	20 U	20 U	20 U
Dichlorobromomethane	µg/L		20 U	20 U	20 U	20 U
Dichlorodifluoromethane	µg/L	1 U	20 U	20 U	20 U	20 U
Dichloromethane	µg/L	1 U	20 U	20 U	20 U	20 U
trans-1,3-Dichloropropene	µg/L	1 U	20 U	20 U	20 U	20 U
Trichlorofluoromethane	µg/L	1 U	20 U	20 U	20 U	20 U
BTEX						
Benzene	µg/L	1 U	20 U	20 U	20 U	61
Toluene	µg/L	1 U	20 U	20 U	20 U	2200
Ethylbenzene	µg/L	1 U	20 U	20 U	20 U	1000
Xylene (total)	µg/L	1 U	20 U	20 U	20 U	820
Semivolatile Organic Compounds						
Hexachlorobutadiene	µg/L	4 U	80 U	80 U	80 U	80 U

	Event	Fox-Ave Baseline GW (January 2010)				
	Location	PTM-2L	PTM-2U	R1-IW1	R1-IW1	R1-IW1
	SampleID	**PTM-2L-36**	**PTM-2U-25**	**R1-IW1-30**	**R1-IW1-45**	**R1-IW1-60**
	Depth (bgs)	36 ft	25 ft	30 ft	45 ft	60 ft
	Sample Date	01/26/2009	04/07/2009	01/28/2009	01/28/2009	01/28/2009
Volatile Organic Compounds						
Tetrachloroethene	µg/L	20 U	1 U	580	780	1600
Trichloroethene	µg/L	20 U	1 U	98	180	300
cis-1,2-Dichloroethene	µg/L	1500	440	75	120	200
trans-1,2-Dichloroethene	µg/L	20 U	74.63	20 U	20 U	20 U
1,1-Dichloroethene	µg/L	20 U	1 U	20 U	20 U	20 U
Vinyl chloride	µg/L	1900	0.2 U	6	4 U	6
1,1,1,2-Tetrachloroethane	µg/L	20 U	1 U	20 U	20 U	20 U
1,1,1-Trichloroethane	µg/L	20 U	1 U	20 U	20 U	20 U
1,1,2,2-Tetrachloroethane	µg/L	20 U	1 U	20 U	20 U	20 U
1,1,2-Trichloroethane	µg/L	20 U	1 U	20 U	20 U	20 U
1,1-Dichloroethane	µg/L	20 U	44	20 U	20 U	20 U
Chloroethane	µg/L	20 U	1 U	20 U	20 U	20 U
1,1-Dichloropropene	µg/L	20 U	1 U	20 U	20 U	20 U
1,2,3-Trichlorobenzene	µg/L	80 U	4 U	80 U	80 U	80 U
1,2,3-Trichloropropane	µg/L	20 U	1 U	20 U	20 U	20 U
1,2,4-Trichlorobenzene	µg/L	40 U	2 U	40 U	40 U	40 U
1,2-Dibromo-3-chloropropane	µg/L	20 U	1 U	20 U	20 U	20 U
1,2-Dichlorobenzene	µg/L	20 U	1	20 U	20 U	20 U
1,2-Dichloroethane	µg/L	20 U	1 U	20 U	20 U	20 U
1,2-Dichloropropane	µg/L	20 U	1 U	20 U	20 U	20 U
1,3-Dichlorobenzene	µg/L	20 U	1	20 U	20 U	20 U
1,3-Dichloropropane	µg/L	20 U	1 U	20 U	20 U	20 U
1,4-Dichlorobenzene	µg/L	20 U	7.4	20 U	20 U	20 U
2,2-Dichloropropane	µg/L	40 U	2 U	40 U	40 U	40 U
2-Chlorotoluene	µg/L	20 U	1 U	20 U	20 U	20 U
4-Chlorotoluene	µg/L	20 U	1 U	20 U	20 U	20 U
Bromodichloromethane	µg/L		1			
Carbon tetrachloride	µg/L	20 U	1 U	20 U	20 U	20 U
Chlorobenzene	µg/L	20 U	2.7	20 U	20 U	20 U
Chloroform	µg/L	20 U	1 U	20 U	20 U	20 U
Chloromethane	µg/L	20 U	1 U	20 U	20 U	20 U
cis-1,3-Dichloropropene	µg/L	20 U	1 U	20 U	20 U	20 U
Dibromochloromethane	µg/L	20 U	1 U	20 U	20 U	20 U
Dichlorobromomethane	µg/L	20 U		20 U	20 U	20 U
Dichlorodifluoromethane	µg/L	20 U	1 U	20 U	20 U	20 U
Dichloromethane	µg/L	20 U	1 U	20 U	20 U	20 U
trans-1,3-Dichloropropene	µg/L	20 U	1 U	20 U	20 U	20 U
Trichlorofluoromethane	µg/L	20 U	1 U	20 U	20 U	20 U
BTEX						
Benzene	µg/L	20 U	27	20 U	20 U	20 U
Toluene	µg/L	20 U	310	20 U	20 U	20 U
Ethylbenzene	µg/L	20 U	220	20 U	20 U	20 U
Xylene (total)	µg/L	20 U	140	20 U	20 U	20 U
Semivolatile Organic Compounds						
Hexachlorobutadiene	µg/L	80 U	4 U	80 U	80 U	80 U

	Event	Fox-Ave Baseline GW (January 2010)				
	Location	R1-IW2	R1-IW2	R1-IW2	R1-IW2	R1-IW2
	SampleID	**R1-IW2-30**	**R1-IW2-45**	**R1-IW2-45-PDB**	**R1-IW2-60**	**R1-IW2-65**
	Depth (bgs)	30 ft	45 ft	45 ft	60 ft	65 ft
	Sample Date	01/27/2009	01/27/2009	01/26/2009	01/26/2009	01/27/2009
Volatile Organic Compounds						
Tetrachloroethene	µg/L	20 U	20 U	20 U	20 U	
Trichloroethene	µg/L	150	58	140	140	
cis-1,2-Dichloroethene	µg/L	590	290	590	610	
trans-1,2-Dichloroethene	µg/L	20 U	20 U	20 U	20 U	
1,1-Dichloroethene	µg/L	20 U	20 U	20 U	20 U	
Vinyl chloride	µg/L	200	160	250	220	
1,1,1,2-Tetrachloroethane	µg/L	20 U	20 U	20 U	20 U	
1,1,1-Trichloroethane	µg/L	20 U	20 U	20 U	20 U	
1,1,2,2-Tetrachloroethane	µg/L	20 U	20 U	20 U	20 U	
1,1,2-Trichloroethane	µg/L	20 U	20 U	20 U	20 U	
1,1-Dichloroethane	µg/L	20 U	20 U	20 U	20 U	
Chloroethane	µg/L	20 U	20 U	20 U	20 U	
1,1-Dichloropropene	µg/L	20 U	20 U	20 U	20 U	
1,2,3-Trichlorobenzene	µg/L	80 U	80 U	80 U	80 U	
1,2,3-Trichloropropane	µg/L	20 U	20 U	20 U	20 U	
1,2,4-Trichlorobenzene	µg/L	40 U	40 U	40 U	40 U	
1,2-Dibromo-3-chloropropane	µg/L	20 U	20 U	20 U	20 U	
1,2-Dichlorobenzene	µg/L	20 U	20 U	20 U	20 U	
1,2-Dichloroethane	µg/L	20 U	20 U	20 U	20 U	
1,2-Dichloropropane	µg/L	20 U	20 U	20 U	20 U	
1,3-Dichlorobenzene	µg/L	20 U	20 U	20 U	20 U	
1,3-Dichloropropane	µg/L	20 U	20 U	20 U	20 U	
1,4-Dichlorobenzene	µg/L	20 U	20 U	20 U	20 U	
2,2-Dichloropropane	µg/L	40 U	40 U	40 U	40 U	
2-Chlorotoluene	µg/L	20 U	20 U	20 U	20 U	
4-Chlorotoluene	µg/L	20 U	20 U	20 U	20 U	
Carbon tetrachloride	µg/L	20 U	20 U	20 U	20 U	
Chlorobenzene	µg/L	20 U	20 U	20 U	20 U	
Chloroform	µg/L	20 U	20 U	20 U	20 U	
Chloromethane	µg/L	20 U	20 U	20 U	20 U	
cis-1,3-Dichloropropene	µg/L	20 U	20 U	20 U	20 U	
Dibromochloromethane	µg/L	20 U	20 U	20 U	20 U	
Dichlorobromomethane	µg/L	20 U	20 U	20 U	20 U	
Dichlorodifluoromethane	µg/L	20 U	20 U	20 U	20 U	
Dichloromethane	µg/L	20 U	20 U	20 U	20 U	
trans-1,3-Dichloropropene	µg/L	20 U	20 U	20 U	20 U	
Trichlorofluoromethane	µg/L	20 U	20 U	20 U	20 U	
BTEX						
Benzene	µg/L	20 U	20 U	20 U	20 U	
Toluene	µg/L	20 U	20 U	20 U	20 U	
Ethylbenzene	µg/L	20 U	20 U	20 U	20 U	
Xylene (total)	µg/L	20 U	20 U	20 U	20 U	
Semivolatile Organic Compounds						
Hexachlorobutadiene	µg/L	80 U	80 U	80 U	80 U	
Dissolved Metals						
Potassium	mg/L	5.3				4.5
Conventionals						
Alkalinity (as CaCO3)	mg/L		140			

	Event	**Fox-Ave Baseline GW (January 2010)**				
	Location	R1-IW2	R1-IW2	R1-IW2	R1-IW2	R1-IW2
	SampleID	**R1-IW2-30**	**R1-IW2-45**	**R1-IW2-45-PDB**	**R1-IW2-60**	**R1-IW2-65**
	Depth (bgs)	30 ft	45 ft	45 ft	60 ft	65 ft
	Sample Date	01/27/2009	01/27/2009	01/26/2009	01/26/2009	01/27/2009
Conventionals						
Nitrate	mg/L	0.1 U	0.1 U			0.1 U
Nitrite	mg/L	0.1 U	0.1 U			0.1 U
Orthophosphate	mg/L	0.1 U	0.1 U			0.1 U
Sulfate	mg/L	120	120			76
Total Organic Carbon	mg/L		4.3			8.7
Volatile Fatty Acids						
Acetic Acid	mg/L		1 U			
Butyric Acid	mg/L		1 U			
Propionic Acid	mg/L		1 U			
Pyruvic Acid	mg/L		1 U			

	Event	Fox-Ave Baseline GW (January 2010)				
	Location	R1-IW3A	R1-IW3B	R1-IW3B	R1-IW3B	R1-IW3B
	SampleID	**R1-IW3A-9.2**	**R1-IW3B-17**	**R1-IW3B-30**	**R1-IW3B-45**	**R1-IW3B-55**
	Depth (bgs)	9.2 ft	17 ft	30 ft	45 ft	55 ft
	Sample Date	01/28/2009	01/28/2009	01/28/2009	01/28/2009	01/28/2009
Volatile Organic Compounds						
Tetrachloroethene	µg/L	1600	20 U	3.2	20 U	20 U
Trichloroethene	µg/L	190	32	17	12 J	12.6 J
cis-1,2-Dichloroethene	µg/L	280	240	180	170	160
trans-1,2-Dichloroethene	µg/L	20 U	20 U	1 U	20 U	20 U
1,1-Dichloroethene	µg/L	20 U	20 U	1 U	20 U	20 U
Vinyl chloride	µg/L	140	430	380	290	300
1,1,1,2-Tetrachloroethane	µg/L	20 U	20 U	1 U	20 U	20 U
1,1,1-Trichloroethane	µg/L	20 U	20 U	1 U	20 U	20 U
1,1,2,2-Tetrachloroethane	µg/L	20 U	20 U	1 U	20 U	20 U
1,1,2-Trichloroethane	µg/L	20 U	20 U	1 U	20 U	20 U
1,1-Dichloroethane	µg/L	20 U	20 U	1 U	20 U	20 U
Chloroethane	µg/L	20 U	20 U	1 U	20 U	20 U
1,1-Dichloropropene	µg/L	20 U	20 U	1 U	20 U	20 U
1,2,3-Trichlorobenzene	µg/L	80 U	80 U	4 U	80 U	80 U
1,2,3-Trichloropropane	µg/L	20 U	20 U	1 U	20 U	20 U
1,2,4-Trichlorobenzene	µg/L	40 U	40 U	2 U	40 U	40 U
1,2-Dibromo-3-chloropropane	µg/L	20 U	20 U	1 U	20 U	20 U
1,2-Dichlorobenzene	µg/L	20 U	20 U	1.2	20 U	20 U
1,2-Dichloroethane	µg/L	20 U	20 U	1.4	20 U	20 U
1,2-Dichloropropane	µg/L	20 U	20 U	1 U	20 U	20 U
1,3-Dichlorobenzene	µg/L	20 U	20 U	1 U	20 U	20 U
1,3-Dichloropropane	µg/L	20 U	20 U	1 U	20 U	20 U
1,4-Dichlorobenzene	µg/L	20 U	20 U	1 U	20 U	20 U
2,2-Dichloropropane	µg/L	40 U	40 U	2 U	40 U	40 U
2-Chlorotoluene	µg/L	20 U	20 U	1 U	20 U	20 U
4-Chlorotoluene	µg/L	20 U	20 U	1 U	20 U	20 U
Carbon tetrachloride	µg/L	20 U	20 U	1 U	20 U	20 U
Chlorobenzene	µg/L	20 U	20 U	1 U	20 U	20 U
Chloroform	µg/L	20 U	20 U	1 U	20 U	20 U
Chloromethane	µg/L	20 U	20 U	1 U	20 U	20 U
cis-1,3-Dichloropropene	µg/L	20 U	20 U	1 U	20 U	20 U
Dibromochloromethane	µg/L	20 U	20 U	1 U	20 U	20 U
Dichlorobromomethane	µg/L	20 U	20 U	1 U	20 U	20 U
Dichlorodifluoromethane	µg/L	20 U	20 U	1 U	20 U	20 U
Dichloromethane	µg/L	20 U	20 U	1 U	20 U	20 U
trans-1,3-Dichloropropene	µg/L	20 U	20 U	1 U	20 U	20 U
Trichlorofluoromethane	µg/L	20 U	20 U	1 U	20 U	20 U
BTEX						
Benzene	µg/L	20 U	20 U	1 U	20 U	20 U
Toluene	µg/L	20 U	20 U	1 U	20 U	20 U
Ethylbenzene	µg/L	20 U	20 U	1 U	20 U	20 U
Xylene (total)	µg/L	20 U	20 U	1 U	20 U	20 U
Semivolatile Organic Compounds						
Hexachlorobutadiene	µg/L	80 U	80 U	4 U	80 U	80 U

	Event	Fox-Ave Baseline GW (January 2010)				
	Location	R1-IW3B	R1-IW4A	R1-IW4A	R1-IW4B	R1-IW4B
	SampleID	**R1-IW3B-60**	**R1-IW4A-11**	**R1-IW4A-11D**	**R1-IW4B-17**	**R1-IW4B-25**
	Depth (bgs)	60 ft	11 ft	4 ft	17 ft	25 ft
	Sample Date	01/28/2009	01/26/2009	01/26/2009	01/26/2009	01/26/2009
Volatile Organic Compounds						
Tetrachloroethene	µg/L	20 U	3100	3100	560	360
Trichloroethene	µg/L	13 J	1100	1100	370	250
cis-1,2-Dichloroethene	µg/L	160	1300	1300	660	410
trans-1,2-Dichloroethene	µg/L	20 U	23	23	20 U	20 U
1,1-Dichloroethene	µg/L	20 U	20 U	20 U	20 U	20 U
Vinyl chloride	µg/L	280	290	280	350	310
1,1,1,2-Tetrachloroethane	µg/L	20 U	20 U	20 U	20 U	20 U
1,1,1-Trichloroethane	µg/L	20 U	20 U	20 U	20 U	20 U
1,1,2,2-Tetrachloroethane	µg/L	20 U	20 U	20 U	20 U	20 U
1,1,2-Trichloroethane	µg/L	20 U	20 U	20 U	20 U	20 U
1,1-Dichloroethane	µg/L	20 U	20 U	20 U	20 U	20 U
Chloroethane	µg/L	20 U	20 U	20 U	20 U	20 U
1,1-Dichloropropene	µg/L	20 U	20 U	20 U	20 U	20 U
1,2,3-Trichlorobenzene	µg/L	80 U	80 U	80 U	80 U	80 U
1,2,3-Trichloropropane	µg/L	20 U	20 U	20 U	20 U	20 U
1,2,4-Trichlorobenzene	µg/L	40 U	40 U	40 U	40 U	40 U
1,2-Dibromo-3-chloropropane	µg/L	20 U	20 U	20 U	20 U	20 U
1,2-Dichlorobenzene	µg/L	20 U	20 U	20 U	20 U	20 U
1,2-Dichloroethane	µg/L	20 U	20 U	20 U	20 U	20 U
1,2-Dichloropropane	µg/L	20 U	20 U	20 U	20 U	20 U
1,3-Dichlorobenzene	µg/L	20 U	20 U	20 U	20 U	20 U
1,3-Dichloropropane	µg/L	20 U	20 U	20 U	20 U	20 U
1,4-Dichlorobenzene	µg/L	20 U	20 U	20 U	20 U	20 U
2,2-Dichloropropane	µg/L	40 U	40 U	40 U	40 U	40 U
2-Chlorotoluene	µg/L	20 U	20 U	20 U	20 U	20 U
4-Chlorotoluene	µg/L	20 U	20 U	20 U	20 U	20 U
Carbon tetrachloride	µg/L	20 U	20 U	20 U	20 U	20 U
Chlorobenzene	µg/L	20 U	20 U	20 U	20 U	20 U
Chloroform	µg/L	20 U	20 U	20 U	20 U	20 U
Chloromethane	µg/L	20 U	20 U	20 U	20 U	20 U
cis-1,3-Dichloropropene	µg/L	20 U	20 U	20 U	20 U	20 U
Dibromochloromethane	µg/L	20 U	20 U	20 U	20 U	20 U
Dichlorobromomethane	µg/L	20 U	20 U	20 U	20 U	20 U
Dichlorodifluoromethane	µg/L	20 U	20 U	20 U	20 U	20 U
Dichloromethane	µg/L	20 U	20 U	20 U	20 U	20 U
trans-1,3-Dichloropropene	µg/L	20 U	20 U	20 U	20 U	20 U
Trichlorofluoromethane	µg/L	20 U	20 U	20 U	20 U	20 U
BTEX						
Benzene	µg/L	20 U	20 U	20 U	20 U	20 U
Toluene	µg/L	20 U	20 U	20 U	20 U	20 U
Ethylbenzene	µg/L	20 U	20 U	20 U	20 U	20 U
Xylene (total)	µg/L	20 U	20 U	20 U	20 U	20 U
Semivolatile Organic Compounds						
Hexachlorobutadiene	µg/L	80 U	80 U	80 U	80 U	80 U

	Event	Fox-Ave Baseline GW (January 2010)				
	Location	R1-IW4B	R1-IW4B	R1-IW4B	R1-IW4B	R1-IW4B
	SampleID	**R1-IW4B-30**	**R1-IW4B-35**	**R1-IW4B-40**	**R1-IW4B-40D**	**R1-IW4B-40-PDB**
	Depth (bgs)	30 ft	35 ft	40 ft	40 ft	40 ft
	Sample Date	01/27/2009	01/26/2009	01/27/2009	01/27/2009	01/26/2009
Volatile Organic Compounds						
Tetrachloroethene	µg/L		360	250		420
Trichloroethene	µg/L		220	130		220
cis-1,2-Dichloroethene	µg/L		440	230		580
trans-1,2-Dichloroethene	µg/L		20 U	1 U		20 U
1,1-Dichloroethene	µg/L		20 U	1 U		20 U
Vinyl chloride	µg/L		530	350		900
1,1,1,2-Tetrachloroethane	µg/L		20 U	1 U		20 U
1,1,1-Trichloroethane	µg/L		20 U	1 U		20 U
1,1,2,2-Tetrachloroethane	µg/L		20 U	1 U		20 U
1,1,2-Trichloroethane	µg/L		20 U	1 U		20 U
1,1-Dichloroethane	µg/L		20 U	1 U		20 U
Chloroethane	µg/L		20 U	1 U		20 U
1,1-Dichloropropene	µg/L		20 U	1 U		20 U
1,2,3-Trichlorobenzene	µg/L		80 U	4 U		80 U
1,2,3-Trichloropropane	µg/L		20 U	1 U		20 U
1,2,4-Trichlorobenzene	µg/L		40 U	2 U		40 U
1,2-Dibromo-3-chloropropane	µg/L		20 U	1 U		20 U
1,2-Dichlorobenzene	µg/L		20 U	1.7		20 U
1,2-Dichloroethane	µg/L		20 U	1 U		20 U
1,2-Dichloropropane	µg/L		20 U	1 U		20 U
1,3-Dichlorobenzene	µg/L		20 U	1 U		20 U
1,3-Dichloropropane	µg/L		20 U	1 U		20 U
1,4-Dichlorobenzene	µg/L		20 U	1 U		20 U
2,2-Dichloropropane	µg/L		40 U	2 U		40 U
2-Chlorotoluene	µg/L		20 U	1 U		20 U
4-Chlorotoluene	µg/L		20 U	1 U		20 U
Carbon tetrachloride	µg/L		20 U	1 U		20 U
Chlorobenzene	µg/L		20 U	1 U		20 U
Chloroform	µg/L		20 U	1 U		20 U
Chloromethane	µg/L		20 U	1 U		20 U
cis-1,3-Dichloropropene	µg/L		20 U	1 U		20 U
Dibromochloromethane	µg/L		20 U	1 U		20 U
Dichlorobromomethane	µg/L		20 U	1 U		20 U
Dichlorodifluoromethane	µg/L		20 U	1 U		20 U
Dichloromethane	µg/L		20 U	1 U		20 U
trans-1,3-Dichloropropene	µg/L		20 U	1 U		20 U
Trichlorofluoromethane	µg/L		20 U	1 U		20 U
BTEX						
Benzene	µg/L		20 U	1 U		20 U
Toluene	µg/L		20 U	1 U		20 U
Ethylbenzene	µg/L		20 U	1.6		20 U
Xylene (total)	µg/L		20 U	1 U		20 U
Semivolatile Organic Compounds						
Hexachlorobutadiene	µg/L		80 U	4 U		80 U
Dissolved Metals						
Potassium	mg/L	6.7				
Conventionals						
Alkalinity (as CaCO3)	mg/L			140		

	Event	**Fox-Ave Baseline GW (January 2010)**				
	Location	R1-IW4B	R1-IW4B	R1-IW4B	R1-IW4B	R1-IW4B
	SampleID	**R1-IW4B-30**	**R1-IW4B-35**	**R1-IW4B-40**	**R1-IW4B-40D**	**R1-IW4B-40-PDB**
	Depth (bgs)	30 ft	35 ft	40 ft	40 ft	40 ft
	Sample Date	01/27/2009	01/26/2009	01/27/2009	01/27/2009	01/26/2009
Conventionals						
Nitrate	mg/L	0.1 U		0.1 U		
Nitrite	mg/L	0.1 U		0.1 U		
Orthophosphate	mg/L	0.1 U		0.1 U		
Sulfate	mg/L	77		77		
Total Organic Carbon	mg/L			4.1		
Volatile Fatty Acids						
Acetic Acid	mg/L			1 U	1 U	
Butyric Acid	mg/L			1 U	1 U	
Propionic Acid	mg/L			1 U	1 U	
Pyruvic Acid	mg/L			1 U	1 U	

	Event	Fox-Ave Baseline GW (January 2010)				
	Location	R1-IW4B	R1-IW4B	R1-IW4B	R1-IW4B	R1-IW5
	SampleID	**R1-IW4B-50**	**R1-IW4B-55**	**R1-IW4B-65**	**R1-IW4B-68**	**R1-IW5-12**
	Depth (bgs)	50 ft	55 ft	65 ft	68 ft	12 ft
	Sample Date	01/26/2009	01/26/2009	01/27/2009	01/26/2009	01/28/2009
Volatile Organic Compounds						
Tetrachloroethene	µg/L	360	66		370	1300
Trichloroethene	µg/L	200	36		200	78
cis-1,2-Dichloroethene	µg/L	570	110		480	180
trans-1,2-Dichloroethene	µg/L	20 U	20 U		20 U	20 U
1,1-Dichloroethene	µg/L	20 U	20 U		20 U	20 U
Vinyl chloride	µg/L	1100	180		1000	83
1,1,1,2-Tetrachloroethane	µg/L	20 U	20 U		20 U	20 U
1,1,1-Trichloroethane	µg/L	20 U	20 U		20 U	20 U
1,1,2,2-Tetrachloroethane	µg/L	20 U	20 U		20 U	20 U
1,1,2-Trichloroethane	µg/L	20 U	20 U		20 U	20 U
1,1-Dichloroethane	µg/L	20 U	20 U		20 U	20 U
Chloroethane	µg/L	20 U	20 U		20 U	20 U
1,1-Dichloropropene	µg/L	20 U	20 U		20 U	20 U
1,2,3-Trichlorobenzene	µg/L	80 U	80 U		80 U	80 U
1,2,3-Trichloropropane	µg/L	20 U	20 U		20 U	20 U
1,2,4-Trichlorobenzene	µg/L	40 U	40 U		40 U	40 U
1,2-Dibromo-3-chloropropane	µg/L	20 U	20 U		20 U	20 U
1,2-Dichlorobenzene	µg/L	20 U	20 U		20 U	20 U
1,2-Dichloroethane	µg/L	20 U	20 U		20 U	20 U
1,2-Dichloropropane	µg/L	20 U	20 U		20 U	20 U
1,3-Dichlorobenzene	µg/L	20 U	20 U		20 U	20 U
1,3-Dichloropropane	µg/L	20 U	20 U		20 U	20 U
1,4-Dichlorobenzene	µg/L	20 U	20 U		20 U	20 U
2,2-Dichloropropane	µg/L	40 U	40 U		40 U	40 U
2-Chlorotoluene	µg/L	20 U	20 U		20 U	20 U
4-Chlorotoluene	µg/L	20 U	20 U		20 U	20 U
Carbon tetrachloride	µg/L	20 U	20 U		20 U	20 U
Chlorobenzene	µg/L	20 U	20 U		20 U	20 U
Chloroform	µg/L	20 U	20 U		20 U	20 U
Chloromethane	µg/L	20 U	20 U		20 U	20 U
cis-1,3-Dichloropropene	µg/L	20 U	20 U		20 U	20 U
Dibromochloromethane	µg/L	20 U	20 U		20 U	20 U
Dichlorobromomethane	µg/L	20 U	20 U		20 U	20 U
Dichlorodifluoromethane	µg/L	20 U	20 U		20 U	20 U
Dichloromethane	µg/L	20 U	20 U		20 U	20 U
trans-1,3-Dichloropropene	µg/L	20 U	20 U		20 U	20 U
Trichlorofluoromethane	µg/L	20 U	20 U		20 U	20 U
BTEX						
Benzene	µg/L	20 U	20 U		20 U	20 U
Toluene	µg/L	20 U	20 U		20 U	20 U
Ethylbenzene	µg/L	20 U	20 U		20 U	20 U
Xylene (total)	µg/L	20 U	20 U		20 U	20 U
Semivolatile Organic Compounds						
Hexachlorobutadiene	µg/L	80 U	80 U		80 U	80 U
Dissolved Metals						
Potassium	mg/L			9.9		
Conventionals						
Nitrate	mg/L			0.1 U		

	Event	**Fox-Ave Baseline GW (January 2010)**				
	Location	R1-IW4B	R1-IW4B	R1-IW4B	R1-IW4B	R1-IW5
	SampleID	**R1-IW4B-50**	**R1-IW4B-55**	**R1-IW4B-65**	**R1-IW4B-68**	**R1-IW5-12**
	Depth (bgs)	50 ft	55 ft	65 ft	68 ft	12 ft
	Sample Date	01/26/2009	01/26/2009	01/27/2009	01/26/2009	01/28/2009
Conventionals						
Nitrite	mg/L			0.1 U		
Orthophosphate	mg/L			0.1 U		
Sulfate	mg/L			130		
Total Organic Carbon	mg/L			4.2		

	Event	Fox-Ave Baseline GW (January 2010)				
	Location	R1-IW5	R1-IW5	R1-IW5	R1-IW5	R1-IW5
	SampleID	**R1-IW5-18**	**R1-IW5-28**	**R1-IW5-33**	**R1-IW5-43**	**R1-IW5-60**
	Depth (bgs)	18 ft	28 ft	33 ft	43 ft	60 ft
	Sample Date	01/28/2009	01/28/2009	01/28/2009	01/28/2009	01/28/2009
Volatile Organic Compounds						
Tetrachloroethene	µg/L	860	420	400	400	410
Trichloroethene	µg/L	65.6	52	50.8	54.8	56.6
cis-1,2-Dichloroethene	µg/L	180	300	300	300	310
trans-1,2-Dichloroethene	µg/L	20 U	20 U	20 U	20 U	20 U
1,1-Dichloroethene	µg/L	20 U	20 U	20 U	20 U	20 U
Vinyl chloride	µg/L	110	140	140	120	130
1,1,1,2-Tetrachloroethane	µg/L	20 U	20 U	20 U	20 U	20 U
1,1,1-Trichloroethane	µg/L	20 U	20 U	20 U	20 U	20 U
1,1,2,2-Tetrachloroethane	µg/L	20 U	20 U	20 U	20 U	20 U
1,1,2-Trichloroethane	µg/L	20 U	20 U	20 U	20 U	20 U
1,1-Dichloroethane	µg/L	20 U	20 U	20 U	20 U	20 U
Chloroethane	µg/L	20 U	20 U	20 U	20 U	20 U
1,1-Dichloropropene	µg/L	20 U	20 U	20 U	20 U	20 U
1,2,3-Trichlorobenzene	µg/L	80 U	80 U	80 U	80 U	80 U
1,2,3-Trichloropropane	µg/L	20 U	20 U	20 U	20 U	20 U
1,2,4-Trichlorobenzene	µg/L	40 U	40 U	40 U	40 U	40 U
1,2-Dibromo-3-chloropropane	µg/L	20 U	20 U	20 U	20 U	20 U
1,2-Dichlorobenzene	µg/L	20 U	20 U	20 U	20 U	20 U
1,2-Dichloroethane	µg/L	20 U	20 U	20 U	20 U	20 U
1,2-Dichloropropane	µg/L	20 U	20 U	20 U	20 U	20 U
1,3-Dichlorobenzene	µg/L	20 U	20 U	20 U	20 U	20 U
1,3-Dichloropropane	µg/L	20 U	20 U	20 U	20 U	20 U
1,4-Dichlorobenzene	µg/L	20 U	20 U	20 U	20 U	20 U
2,2-Dichloropropane	µg/L	40 U	40 U	40 U	40 U	40 U
2-Chlorotoluene	µg/L	20 U	20 U	20 U	20 U	20 U
4-Chlorotoluene	µg/L	20 U	20 U	20 U	20 U	20 U
Carbon tetrachloride	µg/L	20 U	20 U	20 U	20 U	20 U
Chlorobenzene	µg/L	20 U	20 U	20 U	20 U	20 U
Chloroform	µg/L	20 U	20 U	20 U	20 U	20 U
Chloromethane	µg/L	20 U	20 U	20 U	20 U	20 U
cis-1,3-Dichloropropene	µg/L	20 U	20 U	20 U	20 U	20 U
Dibromochloromethane	µg/L	20 U	20 U	20 U	20 U	20 U
Dichlorobromomethane	µg/L	20 U	20 U	20 U	20 U	20 U
Dichlorodifluoromethane	µg/L	20 U	20 U	20 U	20 U	20 U
Dichloromethane	µg/L	20 U	20 U	20 U	20 U	20 U
trans-1,3-Dichloropropene	µg/L	20 U	20 U	20 U	20 U	20 U
Trichlorofluoromethane	µg/L	20 U	20 U	20 U	20 U	20 U
BTEX						
Benzene	µg/L	20 U	20 U	20 U	20 U	20 U
Toluene	µg/L	20 U	20 U	20 U	20 U	20 U
Ethylbenzene	µg/L	20 U	20 U	20 U	20 U	20 U
Xylene (total)	µg/L	20 U	20 U	20 U	20 U	20 U
Semivolatile Organic Compounds						
Hexachlorobutadiene	µg/L	80 U	80 U	80 U	80 U	80 U

	Event	**Fox-Ave Baseline GW (January 2010)**				
	Location	R1-IW6	R1-IW6	R1-IW6	R1-IW6	R1-IW7
	SampleID	**R1-IW6-17**	**R1-IW6-30**	**R1-IW6-45**	**R1-IW6-60**	**R1-IW7-30**
	Depth (bgs)	17 ft	30 ft	45 ft	60 ft	30 ft
	Sample Date	01/28/2009	01/28/2009	01/28/2009	01/28/2009	01/28/2009
Volatile Organic Compounds						
Tetrachloroethene	µg/L	630	500	490	510	44.6
Trichloroethene	µg/L	370	350	350	360	30
cis-1,2-Dichloroethene	µg/L	420	440	470	450	1000
trans-1,2-Dichloroethene	µg/L	20 U	20 U	11.6 J	12.6 J	36.8
1,1-Dichloroethene	µg/L	20 U	20 U	20 U	20 U	20 U
Vinyl chloride	µg/L	600	620	600	620	12000
1,1,1,2-Tetrachloroethane	µg/L	20 U	20 U	20 U	20 U	20 U
1,1,1-Trichloroethane	µg/L	14.4 J	20 U	11.8 J	12 J	20 U
1,1,2,2-Tetrachloroethane	µg/L	20 U	20 U	20 U	20 U	20 U
1,1,2-Trichloroethane	µg/L	20 U	20 U	20 U	20 U	20 U
1,1-Dichloroethane	µg/L	10.4 J	20 U	20 U	20 U	32
Chloroethane	µg/L	20 U	20 U	20 U	20 U	20 U
1,1-Dichloropropene	µg/L	20 U	20 U	20 U	20 U	20 U
1,2,3-Trichlorobenzene	µg/L	80 U	80 U	80 U	80 U	80 U
1,2,3-Trichloropropane	µg/L	20 U	20 U	20 U	20 U	20 U
1,2,4-Trichlorobenzene	µg/L	40 U	40 U	40 U	40 U	40 U
1,2-Dibromo-3-chloropropane	µg/L	20 U	20 U	20 U	20 U	20 U
1,2-Dichlorobenzene	µg/L	20 U	13.6 J	13.8 J	13.8 J	18 J
1,2-Dichloroethane	µg/L	20 U	20 U	20 U	20 U	20 U
1,2-Dichloropropane	µg/L	20 U	20 U	20 U	20 U	20 U
1,3-Dichlorobenzene	µg/L	20 U	20 U	20 U	20 U	20 U
1,3-Dichloropropane	µg/L	20 U	20 U	20 U	20 U	20 U
1,4-Dichlorobenzene	µg/L	20 U	20 U	20 U	20 U	20 U
2,2-Dichloropropane	µg/L	40 U	40 U	40 U	40 U	40 U
2-Chlorotoluene	µg/L	20 U	20 U	20 U	20 U	20 U
4-Chlorotoluene	µg/L	20 U	20 U	20 U	20 U	20 U
Carbon tetrachloride	µg/L	20 U	20 U	20 U	20 U	20 U
Chlorobenzene	µg/L	20 U	20 U	20 U	20 U	20 U
Chloroform	µg/L	20 U	20 U	20 U	20 U	20 U
Chloromethane	µg/L	20 U	20 U	20 U	20 U	20 U
cis-1,3-Dichloropropene	µg/L	20 U	20 U	20 U	20 U	20 U
Dibromochloromethane	µg/L	20 U	20 U	20 U	20 U	20 U
Dichlorobromomethane	µg/L	20 U	20 U	20 U	20 U	20 U
Dichlorodifluoromethane	µg/L	20 U	20 U	20 U	20 U	20 U
Dichloromethane	µg/L	20 U	20 U	20 U	20 U	20 U
trans-1,3-Dichloropropene	µg/L	20 U	20 U	20 U	20 U	20 U
Trichlorofluoromethane	µg/L	20 U	20 U	20 U	20 U	20 U
BTEX						
Benzene	µg/L	20 U	20 U	20 U	20 U	24
Toluene	µg/L	20 U	20 U	20 U	20 U	280
Ethylbenzene	µg/L	20 U	20 U	20 U	20 U	150
Xylene (total)	µg/L	20 U	20 U	20 U	20 U	120
Semivolatile Organic Compounds						
Hexachlorobutadiene	µg/L	80 U	80 U	80 U	80 U	80 U

	Event	Fox-Ave Baseline GW (January 2010)				
	Location	R1-IW7	R1-IW7	R1-IW7	R2-IW3	R2-IW3
	SampleID	**R1-IW7-45**	**R1-IW7-60**	**R1-IW7-60D**	**R2-IW3-30**	**R2-IW3-45**
	Depth (bgs)	45 ft	60 ft	60 ft	30 ft	45 ft
	Sample Date	01/28/2009	01/28/2009	01/28/2009	01/26/2009	01/26/2009
Volatile Organic Compounds						
Tetrachloroethene	µg/L	49.6	47.8	46.4	20 U	20 U
Trichloroethene	µg/L	33.6	32.8	32	20 U	20 U
cis-1,2-Dichloroethene	µg/L	1200	1100	1100	12000	880
trans-1,2-Dichloroethene	µg/L	39	42	40.8	110	20 U
1,1-Dichloroethene	µg/L	20 U	20 U	20 U	38	20 U
Vinyl chloride	µg/L	13000	13000	12000	7800	480
1,1,1,2-Tetrachloroethane	µg/L	20 U	20 U	20 U	20 U	20 U
1,1,1-Trichloroethane	µg/L	20 U	20 U	20 U	20 U	20 U
1,1,2,2-Tetrachloroethane	µg/L	20 U	20 U	20 U	20 U	20 U
1,1,2-Trichloroethane	µg/L	20 U	20 U	20 U	20 U	20 U
1,1-Dichloroethane	µg/L	20 U	35.2	20 U	20 U	20 U
Chloroethane	µg/L	20 U	20 U	20 U	20 U	20 U
1,1-Dichloropropene	µg/L	20 U	20 U	20 U	20 U	20 U
1,2,3-Trichlorobenzene	µg/L	80 U	80 U	80 U	80 U	80 U
1,2,3-Trichloropropane	µg/L	20 U	20 U	20 U	20 U	20 U
1,2,4-Trichlorobenzene	µg/L	40 U	40 U	40 U	40 U	40 U
1,2-Dibromo-3-chloropropane	µg/L	20 U	20 U	20 U	20 U	20 U
1,2-Dichlorobenzene	µg/L	19.4 J	18.2 J	20 U	20 U	20 U
1,2-Dichloroethane	µg/L	20 U	20 U	20 U	20 U	20 U
1,2-Dichloropropane	µg/L	20 U	20 U	20 U	20 U	20 U
1,3-Dichlorobenzene	µg/L	20 U	20 U	20 U	20 U	20 U
1,3-Dichloropropane	µg/L	20 U	20 U	20 U	20 U	20 U
1,4-Dichlorobenzene	µg/L	20 U	20 U	20 U	20 U	20 U
2,2-Dichloropropane	µg/L	40 U	40 U	40 U	40 U	40 U
2-Chlorotoluene	µg/L	20 U	20 U	20 U	20 U	20 U
4-Chlorotoluene	µg/L	20 U	20 U	20 U	20 U	20 U
Carbon tetrachloride	µg/L	20 U	20 U	20 U	20 U	20 U
Chlorobenzene	µg/L	20 U	20 U	20 U	20 U	20 U
Chloroform	µg/L	20 U	20 U	20 U	20 U	20 U
Chloromethane	µg/L	20 U	20 U	20 U	20 U	20 U
cis-1,3-Dichloropropene	µg/L	20 U	20 U	20 U	20 U	20 U
Dibromochloromethane	µg/L	20 U	20 U	20 U	20 U	20 U
Dichlorobromomethane	µg/L	20 U	20 U	20 U	20 U	20 U
Dichlorodifluoromethane	µg/L	20 U	20 U	20 U	20 U	20 U
Dichloromethane	µg/L	20 U	20 U	20 U	20 U	20 U
trans-1,3-Dichloropropene	µg/L	20 U	20 U	20 U	20 U	20 U
Trichlorofluoromethane	µg/L	20 U	20 U	20 U	20 U	20 U
BTEX						
Benzene	µg/L	25.2	24.6	25.6	20 U	20 U
Toluene	µg/L	300	280	280	20 U	20 U
Ethylbenzene	µg/L	160	150	150	20 U	20 U
Xylene (total)	µg/L	140	130	130	20 U	20 U
Semivolatile Organic Compounds						
Hexachlorobutadiene	µg/L	80 U	80 U	80 U	80 U	80 U

	Event	Fox-Ave Baseline GW (January 2010)				
	Location	R2-IW3	R2-IW4	R2-IW4	R2-IW4	R2-IW4
	SampleID	**R2-IW3-60**	**R2-IW4-17**	**R2-IW4-30**	**R2-IW4-30-PDB**	**R2-IW4-45**
	Depth (bgs)	60 ft	17 ft	30 ft	30 ft	45 ft
	Sample Date	01/26/2009	01/26/2009	01/26/2009	01/26/2009	01/26/2009
Volatile Organic Compounds						
Tetrachloroethene	µg/L	20 U	20 U		20 U	20 U
Trichloroethene	µg/L	20 U	20 U		20 U	20 U
cis-1,2-Dichloroethene	µg/L	2500	3500		30	56
trans-1,2-Dichloroethene	µg/L	20 U	20 U		20 U	20 U
1,1-Dichloroethene	µg/L	20 U	20 U		20 U	20 U
Vinyl chloride	µg/L	1300	2500		64	38
1,1,1,2-Tetrachloroethane	µg/L	20 U	20 U		20 U	20 U
1,1,1-Trichloroethane	µg/L	20 U	20 U		20 U	20 U
1,1,2,2-Tetrachloroethane	µg/L	20 U	20 U		20 U	20 U
1,1,2-Trichloroethane	µg/L	20 U	20 U		20 U	20 U
1,1-Dichloroethane	µg/L	20 U	20 U		20 U	20 U
Chloroethane	µg/L	20 U	20 U		20 U	20 U
1,1-Dichloropropene	µg/L	20 U	20 U		20 U	20 U
1,2,3-Trichlorobenzene	µg/L	80 U	80 U		80 U	80 U
1,2,3-Trichloropropane	µg/L	20 U	20 U		20 U	20 U
1,2,4-Trichlorobenzene	µg/L	40 U	40 U		40 U	40 U
1,2-Dibromo-3-chloropropane	µg/L	20 U	20 U		20 U	20 U
1,2-Dichlorobenzene	µg/L	20 U	20 U		20 U	20 U
1,2-Dichloroethane	µg/L	20 U	20 U		20 U	20 U
1,2-Dichloropropane	µg/L	20 U	20 U		20 U	20 U
1,3-Dichlorobenzene	µg/L	20 U	20 U		20 U	20 U
1,3-Dichloropropane	µg/L	20 U	20 U		20 U	20 U
1,4-Dichlorobenzene	µg/L	20 U	20 U		20 U	20 U
2,2-Dichloropropane	µg/L	40 U	40 U		40 U	40 U
2-Chlorotoluene	µg/L	20 U	20 U		20 U	20 U
4-Chlorotoluene	µg/L	20 U	20 U		20 U	20 U
Carbon tetrachloride	µg/L	20 U	20 U		20 U	20 U
Chlorobenzene	µg/L	20 U	20 U		20 U	20 U
Chloroform	µg/L	20 U	20 U		20 U	20 U
Chloromethane	µg/L	20 U	20 U		20 U	20 U
cis-1,3-Dichloropropene	µg/L	20 U	20 U		20 U	20 U
Dibromochloromethane	µg/L	20 U	20 U		20 U	20 U
Dichlorobromomethane	µg/L	20 U	20 U		20 U	20 U
Dichlorodifluoromethane	µg/L	20 U	20 U		20 U	20 U
Dichloromethane	µg/L	20 U	20 U		20 U	20 U
trans-1,3-Dichloropropene	µg/L	20 U	20 U		20 U	20 U
Trichlorofluoromethane	µg/L	20 U	20 U		20 U	20 U
BTEX						
Benzene	µg/L	20 U	20 U		20 U	20 U
Toluene	µg/L	20 U	20 U		20 U	20 U
Ethylbenzene	µg/L	20 U	20 U		20 U	20 U
Xylene (total)	µg/L	20 U	20 U		20 U	20 U
Semivolatile Organic Compounds						
Hexachlorobutadiene	µg/L	80 U	80 U		80 U	80 U
Dissolved Metals						
Potassium	mg/L			4.4		
Conventionals						
Alkalinity (as CaCO3)	mg/L					220

	Event	Fox-Ave Baseline GW (January 2010)				
	Location	R2-IW3	R2-IW4	R2-IW4	R2-IW4	R2-IW4
	SampleID	**R2-IW3-60**	**R2-IW4-17**	**R2-IW4-30**	**R2-IW4-30-PDB**	**R2-IW4-45**
	Depth (bgs)	60 ft	17 ft	30 ft	30 ft	45 ft
	Sample Date	01/26/2009	01/26/2009	01/26/2009	01/26/2009	01/26/2009
Conventionals						
Nitrate	mg/L			0.1 U		0.1 U
Nitrite	mg/L			0.1 U		0.1 U
Orthophosphate	mg/L			0.46		0.46
Sulfate	mg/L			1.5		2.6
Total Organic Carbon	mg/L					21.9
Volatile Fatty Acids						
Acetic Acid	mg/L					1 U
Butyric Acid	mg/L					1 U
Propionic Acid	mg/L					1 U
Pyruvic Acid	mg/L					1 U

	Event	Fox-Ave Baseline GW (January 2010)				
	Location	R2-IW4	R2-IW4	R2-IW4	R2-IW4	R2-IW5
	SampleID	**R2-IW4-45-PDB**	**R2-IW4-55**	**R2-IW4-65**	**R2-IW4-68**	**R2-IW5-30**
	Depth (bgs)	45 ft	55 ft	65 ft	68 ft	30 ft
	Sample Date	01/26/2009	01/26/2009	01/26/2009	01/26/2009	01/26/2009
Volatile Organic Compounds						
Tetrachloroethene	µg/L	1 U	20 U		20 U	20 U
Trichloroethene	µg/L	1 U	20 U		20 U	20 U
cis-1,2-Dichloroethene	µg/L	17	20 U		20 U	440
trans-1,2-Dichloroethene	µg/L	1 U	20 U		20 U	20 U
1,1-Dichloroethene	µg/L	1 U	20 U		20 U	20 U
Vinyl chloride	µg/L	90	37		23	430
1,1,1,2-Tetrachloroethane	µg/L	1 U	20 U		20 U	20 U
1,1,1-Trichloroethane	µg/L	1 U	20 U		20 U	20 U
1,1,2,2-Tetrachloroethane	µg/L	1 U	20 U		20 U	20 U
1,1,2-Trichloroethane	µg/L	1 U	20 U		20 U	20 U
1,1-Dichloroethane	µg/L	1 U	20 U		20 U	20 U
Chloroethane	µg/L	1 U	20 U		20 U	20 U
1,1-Dichloropropene	µg/L	1 U	20 U		20 U	20 U
1,2,3-Trichlorobenzene	µg/L	4 U	80 U		80 U	80 U
1,2,3-Trichloropropane	µg/L	1 U	20 U		20 U	20 U
1,2,4-Trichlorobenzene	µg/L	2 U	40 U		40 U	40 U
1,2-Dibromo-3-chloropropane	µg/L	1 U	20 U		20 U	20 U
1,2-Dichlorobenzene	µg/L	1 U	20 U		20 U	20 U
1,2-Dichloroethane	µg/L	1 U	20 U		20 U	20 U
1,2-Dichloropropane	µg/L	1 U	20 U		20 U	20 U
1,3-Dichlorobenzene	µg/L	1 U	20 U		20 U	20 U
1,3-Dichloropropane	µg/L	1 U	20 U		20 U	20 U
1,4-Dichlorobenzene	µg/L	1 U	20 U		20 U	20 U
2,2-Dichloropropane	µg/L	2 U	40 U		40 U	40 U
2-Chlorotoluene	µg/L	1 U	20 U		20 U	20 U
4-Chlorotoluene	µg/L	1 U	20 U		20 U	20 U
Carbon tetrachloride	µg/L	1 U	20 U		20 U	20 U
Chlorobenzene	µg/L	1 U	20 U		20 U	20 U
Chloroform	µg/L	1 U	20 U		20 U	20 U
Chloromethane	µg/L	1 U	20 U		20 U	20 U
cis-1,3-Dichloropropene	µg/L	1 U	20 U		20 U	20 U
Dibromochloromethane	µg/L	1 U	20 U		20 U	20 U
Dichlorobromomethane	µg/L	1 U	20 U		20 U	20 U
Dichlorodifluoromethane	µg/L	1 U	20 U		20 U	20 U
Dichloromethane	µg/L	1 U	20 U		20 U	20 U
trans-1,3-Dichloropropene	µg/L	1 U	20 U		20 U	20 U
Trichlorofluoromethane	µg/L	1 U	20 U		20 U	20 U
BTEX						
Benzene	µg/L	1 U	20 U		20 U	20 U
Toluene	µg/L	1 U	20 U		20 U	20 U
Ethylbenzene	µg/L	1 U	20 U		20 U	20 U
Xylene (total)	µg/L	1 U	20 U		20 U	20 U
Semivolatile Organic Compounds						
Hexachlorobutadiene	µg/L	4 U	80 U		80 U	80 U
Dissolved Metals						
Potassium	mg/L			7.2		
Conventionals						
Nitrate	mg/L			0.1 U		

	Event	Fox-Ave Baseline GW (January 2010)				
	Location	R2-IW4	R2-IW4	R2-IW4	R2-IW4	R2-IW5
	SampleID	**R2-IW4-45-PDB**	**R2-IW4-55**	**R2-IW4-65**	**R2-IW4-68**	**R2-IW5-30**
	Depth (bgs)	45 ft	55 ft	65 ft	68 ft	30 ft
	Sample Date	01/26/2009	01/26/2009	01/26/2009	01/26/2009	01/26/2009
Conventionals						
Nitrite	mg/L			0.1 U		
Orthophosphate	mg/L			0.49		
Sulfate	mg/L			1		
Total Organic Carbon	mg/L			21.5		

	Event	**Fox-Ave Baseline GW (January 2010)**				
	Location	R2-IW5	R2-IW5	R2-IW6	R2-IW6	R2-IW6
	SampleID	**R2-IW5-45**	**R2-IW5-60**	**R2-IW6-17**	**R2-IW6-30**	**R2-IW6-45**
	Depth (bgs)	45 ft	60 ft	17 ft	30 ft	45 ft
	Sample Date	01/26/2009	01/26/2009	01/26/2009	01/26/2009	01/26/2009
Volatile Organic Compounds						
Tetrachloroethene	µg/L	20 U	20 U	20 U	20 U	20 U
Trichloroethene	µg/L	20 U	20 U	20 U	20 U	20 U
cis-1,2-Dichloroethene	µg/L	1200	1400	840	1000	1200
trans-1,2-Dichloroethene	µg/L	20 U	20 U	20 U	20 U	20 U
1,1-Dichloroethene	µg/L	20 U	20 U	20 U	20 U	20 U
Vinyl chloride	µg/L	1200	500	2300	4200	4200
1,1,1,2-Tetrachloroethane	µg/L	20 U	20 U	20 U	20 U	20 U
1,1,1-Trichloroethane	µg/L	20 U	20 U	20 U	20 U	20 U
1,1,2,2-Tetrachloroethane	µg/L	20 U	20 U	20 U	20 U	20 U
1,1,2-Trichloroethane	µg/L	20 U	20 U	20 U	20 U	20 U
1,1-Dichloroethane	µg/L	20 U	20 U	20 U	20	20 U
Chloroethane	µg/L	20 U	20 U	20 U	20 U	20 U
1,1-Dichloropropene	µg/L	20 U	20 U	20 U	20 U	20 U
1,2,3-Trichlorobenzene	µg/L	80 U	80 U	80 U	80 U	80 U
1,2,3-Trichloropropane	µg/L	20 U	20 U	20 U	20 U	20 U
1,2,4-Trichlorobenzene	µg/L	40 U	40 U	40 U	40 U	40 U
1,2-Dibromo-3-chloropropane	µg/L	20 U	20 U	20 U	20 U	20 U
1,2-Dichlorobenzene	µg/L	20 U	20 U	20 U	20 U	20 U
1,2-Dichloroethane	µg/L	20 U	20 U	20 U	20 U	20 U
1,2-Dichloropropane	µg/L	20 U	20 U	20 U	20 U	20 U
1,3-Dichlorobenzene	µg/L	20 U	20 U	20 U	20 U	20 U
1,3-Dichloropropane	µg/L	20 U	20 U	20 U	20 U	20 U
1,4-Dichlorobenzene	µg/L	20 U	20 U	20 U	20 U	20 U
2,2-Dichloropropane	µg/L	40 U	40 U	40 U	40 U	40 U
2-Chlorotoluene	µg/L	20 U	20 U	20 U	20 U	20 U
4-Chlorotoluene	µg/L	20 U	20 U	20 U	20 U	20 U
Carbon tetrachloride	µg/L	20 U	20 U	20 U	20 U	20 U
Chlorobenzene	µg/L	20 U	20 U	20 U	20 U	20 U
Chloroform	µg/L	20 U	20 U	20 U	20 U	20 U
Chloromethane	µg/L	20 U	20 U	20 U	20 U	20 U
cis-1,3-Dichloropropene	µg/L	20 U	20 U	20 U	20 U	20 U
Dibromochloromethane	µg/L	20 U	20 U	20 U	20 U	20 U
Dichlorobromomethane	µg/L	20 U	20 U	20 U	20 U	20 U
Dichlorodifluoromethane	µg/L	20 U	20 U	20 U	20 U	20 U
Dichloromethane	µg/L	20 U	20 U	20 U	20 U	20 U
trans-1,3-Dichloropropene	µg/L	20 U	20 U	20 U	20 U	20 U
Trichlorofluoromethane	µg/L	20 U	20 U	20 U	20 U	20 U
BTEX						
Benzene	µg/L	20 U	20 U	20 U	20 U	20 U
Toluene	µg/L	20 U	20 U	20 U	20 U	20 U
Ethylbenzene	µg/L	20 U	20 U	20 U	20 U	20 U
Xylene (total)	µg/L	20 U	20 U	20 U	20 U	20 U
Semivolatile Organic Compounds						
Hexachlorobutadiene	µg/L	80 U	80 U	80 U	80 U	80 U

	Event	Fox-Ave Baseline GW (January 2010)				
	Location	R2-IW6				
	SampleID	**R2-IW6-60**				
	Depth (bgs)	60 ft				
	Sample Date	01/26/2009				
Volatile Organic Compounds						
Tetrachloroethene	µg/L	20 U				
Trichloroethene	µg/L	20 U				
cis-1,2-Dichloroethene	µg/L	940				
trans-1,2-Dichloroethene	µg/L	20 U				
1,1-Dichloroethene	µg/L	20 U				
Vinyl chloride	µg/L	3600				
1,1,1,2-Tetrachloroethane	µg/L	20 U				
1,1,1-Trichloroethane	µg/L	20 U				
1,1,2,2-Tetrachloroethane	µg/L	20 U				
1,1,2-Trichloroethane	µg/L	20 U				
1,1-Dichloroethane	µg/L	20 U				
Chloroethane	µg/L	20 U				
1,1-Dichloropropene	µg/L	20 U				
1,2,3-Trichlorobenzene	µg/L	80 U				
1,2,3-Trichloropropane	µg/L	20 U				
1,2,4-Trichlorobenzene	µg/L	40 U				
1,2-Dibromo-3-chloropropane	µg/L	20 U				
1,2-Dichlorobenzene	µg/L	20 U				
1,2-Dichloroethane	µg/L	20 U				
1,2-Dichloropropane	µg/L	20 U				
1,3-Dichlorobenzene	µg/L	20 U				
1,3-Dichloropropane	µg/L	20 U				
1,4-Dichlorobenzene	µg/L	20 U				
2,2-Dichloropropane	µg/L	40 U				
2-Chlorotoluene	µg/L	20 U				
4-Chlorotoluene	µg/L	20 U				
Carbon tetrachloride	µg/L	20 U				
Chlorobenzene	µg/L	20 U				
Chloroform	µg/L	20 U				
Chloromethane	µg/L	20 U				
cis-1,3-Dichloropropene	µg/L	20 U				
Dibromochloromethane	µg/L	20 U				
Dichlorobromomethane	µg/L	20 U				
Dichlorodifluoromethane	µg/L	20 U				
Dichloromethane	µg/L	20 U				
trans-1,3-Dichloropropene	µg/L	20 U				
Trichlorofluoromethane	µg/L	20 U				
BTEX						
Benzene	µg/L	20 U				
Toluene	µg/L	20 U				
Ethylbenzene	µg/L	20 U				
Xylene (total)	µg/L	20 U				
Semivolatile Organic Compounds						
Hexachlorobutadiene	µg/L	80 U				

	Event	Fox-Ave Data Gaps Investigation Sampling (November - December 2008)				
	Location	GP-25	GP-25	GP-25	GP-25	GP-25
	SampleID	**GP-25-10W**	**GP-25-28W**	**GP-25-44W**	**GP-125-44W**	**GP-25-55W**
	Depth (bgs)	10 ft	28 ft	44 ft	44 ft	55 ft
	Sample Date	11/26/2008	11/26/2008	11/26/2008	11/26/2008	11/26/2008
Volatile Organic Compounds						
Tetrachloroethene	µg/L	2200	3.3	150	180	1.9
Trichloroethene	µg/L	800	1.1	3700	4100	1 U
cis-1,2-Dichloroethene	µg/L	680	8300	720	750	4.8
trans-1,2-Dichloroethene	µg/L	14 J	96	20 U	20 U	1 U
1,1-Dichloroethene	µg/L	20 U	9.4	64	68	1 U
Vinyl chloride	µg/L	82	9900	28	22	70
1,1,1,2-Tetrachloroethane	µg/L	20 U	1 U	20 U	20 U	1 U
1,1,1-Trichloroethane	µg/L	140	1 U	20 U	20 U	1 U
1,1,2,2-Tetrachloroethane	µg/L	20 U	1 U	20 U	20 U	1 U
1,1,2-Trichloroethane	µg/L	20 U	1 U	20 U	20 U	1 U
1,1-Dichloroethane	µg/L	5 J	93	20 U	20 U	1 U
Chloroethane	µg/L	20 U	1 U	20 U	20 U	1 U
1,1-Dichloropropene	µg/L	20 U	1 U	20 U	20 U	1 U
1,2,3-Trichlorobenzene	µg/L	80 U	4 U	80 U	80 U	4 U
1,2,3-Trichloropropane	µg/L	20 U	1 U	20 U	20 U	1 U
1,2,4-Trichlorobenzene	µg/L	40 U	2 U	40 U	40 U	2 U
1,2-Dibromo-3-chloropropane	µg/L	20 U	1 U	20 U	20 U	1 U
1,2-Dichlorobenzene	µg/L	20 U	29	20 U	20 U	1 U
1,2-Dichloroethane	µg/L	20 U	1 U	20 U	20 U	1 U
1,2-Dichloropropane	µg/L	20 U	1 U	20 U	20 U	1 U
1,3-Dichlorobenzene	µg/L	20 U	1 U	20 U	20 U	1 U
1,3-Dichloropropane	µg/L	20 U	1 U	20 U	20 U	1 U
1,4-Dichlorobenzene	µg/L	20 U	1 U	20 U	20 U	1 U
2,2-Dichloropropane	µg/L	40 U	2 U	40 U	40 U	2 U
2-Chlorotoluene	µg/L	20 U	1 U	20 U	20 U	1 U
4-Chlorotoluene	µg/L	20 U	1 U	20 U	20 U	1 U
Carbon tetrachloride	µg/L	1.7 J	1.8	2.3 J	2.7 J	3.3
Chlorobenzene	µg/L	20 U	1 U	20 U	20 U	1 U
Chloroform	µg/L	20 U	1 U	20 U	20 U	1 U
Chloromethane	µg/L	20 U	1 U	20 U	20 U	1 U
cis-1,3-Dichloropropene	µg/L	20 U	1 U	20 U	20 U	1 U
Dibromochloromethane	µg/L	20 U	1 U	20 U	20 U	1 U
Dichlorodifluoromethane	µg/L	20 U	1 U	20 U	20 U	1 U
Dichloromethane	µg/L	20 U	1 U	20 U	20 U	1 U
trans-1,3-Dichloropropene	µg/L	20 U	1 U	20 U	20 U	1 U
Trichlorofluoromethane	µg/L	20 U	1 U	20 U	20 U	1 U
BTEX						
Benzene	µg/L	20 U	50	20 U	20 U	1 U
Toluene	µg/L	20 U	740	20 U	20 U	1 U
Ethylbenzene	µg/L	20 U	250	20 U	20 U	1 U
Xylene (total)	µg/L	20 U	140	20 U	20 U	1 U
Semivolatile Organic Compounds						
Hexachlorobutadiene	µg/L	80 U	4 U	80 U	80 U	4 U

	Event	Fox-Ave Data Gaps Investigation Sampling (November - December 2008)				
	Location	GP-25	GP-26	GP-26	GP-26	GP-26
	SampleID	**GP-25-60W**	**GP-26-10.4W**	**GP-26-17W**	**GP-126-17.0W**	**GP-26-28W**
	Depth (bgs)	60 ft	10.4 ft	17 ft	17 ft	28 ft
	Sample Date	11/26/2008	11/24/2008	11/24/2008	11/24/2008	11/24/2008
Volatile Organic Compounds						
Tetrachloroethene	µg/L	1.9	640	120	120	3.3
Trichloroethene	µg/L	1 U	7.4	31	33	23
cis-1,2-Dichloroethene	µg/L	1 U	130	19	19	1300
trans-1,2-Dichloroethene	µg/L	1 U	3.1	2.5	2.6	11
1,1-Dichloroethene	µg/L	1 U	1 U	2.4	3.1	2.5
Vinyl chloride	µg/L	0.3	6.6	90	96	120
1,1,1,2-Tetrachloroethane	µg/L	1 U	1 U	1 U	1 U	1 U
1,1,1-Trichloroethane	µg/L	1 U	1 U	1 U	1 U	1 U
1,1,2,2-Tetrachloroethane	µg/L	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichloroethane	µg/L	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	µg/L	1 U	2.1	5.8	6.2	1 U
Chloroethane	µg/L	1 U	1 U	1 U	1 U	1 U
1,1-Dichloropropene	µg/L	1 U	1 U	1 U	1 U	1 U
1,2,3-Trichlorobenzene	µg/L	4 U	4 U	4 U	4 U	4 U
1,2,3-Trichloropropane	µg/L	1 U	1 U	1 U	1 U	1 U
1,2,4-Trichlorobenzene	µg/L	2 U	2 U	2 U	2 U	2 U
1,2-Dibromo-3-chloropropane	µg/L	1 U	1 U	1 U	1 U	1 U
1,2-Dichlorobenzene	µg/L	1 U	4.7	21	20	1 U
1,2-Dichloroethane	µg/L	1 U	1 U	1 U	1 U	1 U
1,2-Dichloropropane	µg/L	1 U	1 U	1 U	1 U	1 U
1,3-Dichlorobenzene	µg/L	1 U	1 U	1.2	1	1 U
1,3-Dichloropropane	µg/L	1 U	1 U	1 U	1 U	1 U
1,4-Dichlorobenzene	µg/L	1 U	1 U	1.2	1	1 U
2,2-Dichloropropane	µg/L	2 U	2 U	2 U	2 U	2 U
2-Chlorotoluene	µg/L	1 U	1 U	1 U	1 U	1 U
4-Chlorotoluene	µg/L	1 U	1 U	1 U	1 U	1 U
Carbon tetrachloride	µg/L	3.1	1 U	2.4	2.4	2.3
Chlorobenzene	µg/L	1 U	4.3	1 U	1 U	1 U
Chloroform	µg/L	1 U	1 U	1 U	1 U	1 U
Chloromethane	µg/L	1 U	1 U	1 U	1 U	1 U
cis-1,3-Dichloropropene	µg/L	1 U	1 U	1 U	1 U	1 U
Dibromochloromethane	µg/L	1 U	1 U	1 U	1 U	1 U
Dichlorodifluoromethane	µg/L	1 U	1 U	1 U	1 U	1 U
Dichloromethane	µg/L	1 U	1 U	1 U	1 U	1 U
trans-1,3-Dichloropropene	µg/L	1 U	1 U	1 U	1 U	1 U
Trichlorofluoromethane	µg/L	1 U	1 U	1 U	1 U	1 U
BTEX						
Benzene	µg/L	41	1 U	1.4	1.2	1 U
Toluene	µg/L	1 U	1 U	1 U	1 U	1 U
Ethylbenzene	µg/L	1 U	1 U	1 U	1 U	1 U
Xylene (total)	µg/L	1 U	1 U	1 U	1 U	1 U
Semivolatile Organic Compounds						
Hexachlorobutadiene	µg/L	4 U	4 U	4 U	4 U	4 U

	Event	Fox-Ave Data Gaps Investigation Sampling (November - December 2008)				
	Location	GP-26	GP-26	GP-26	GP-26	GP-26
	SampleID	**GP-26-36W**	**GP-26-40W**	**GP-26-50W**	**GP-26-58W**	**GP-26-65W**
	Depth (bgs)	36 ft	40 ft	50 ft	58 ft	65 ft
	Sample Date	11/24/2008	11/24/2008	11/24/2008	11/24/2008	12/01/2008
Volatile Organic Compounds						
Tetrachloroethene	µg/L	2.6	2.3	83	3.7	25
Trichloroethene	µg/L	24	45	930	1.2	8.1
cis-1,2-Dichloroethene	µg/L	1200	3300	1000	1200	79
trans-1,2-Dichloroethene	µg/L	36	54	7.4	16	1.2
1,1-Dichloroethene	µg/L	1.3	12	5.4	9.5	1 U
Vinyl chloride	µg/L	140	590	240	170	45
1,1,1,2-Tetrachloroethane	µg/L	1 U	1 U	1 U	1 U	1 U
1,1,1-Trichloroethane	µg/L	1 U	1 U	1 U	1 U	1 U
1,1,2,2-Tetrachloroethane	µg/L	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichloroethane	µg/L	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	µg/L	1 U	1 U	1 U	1 U	1 U
Chloroethane	µg/L	1 U	1 U	1 U	1 U	1.4
1,1-Dichloropropene	µg/L	1 U	1 U	1 U	1 U	1 U
1,2,3-Trichlorobenzene	µg/L	4 U	4 U	4 U	4 U	4 U
1,2,3-Trichloropropane	µg/L	1 U	1 U	1 U	1 U	1 U
1,2,4-Trichlorobenzene	µg/L	2 U	2 U	2 U	2 U	2 U
1,2-Dibromo-3-chloropropane	µg/L	1 U	1 U	1 U	1 U	1 U
1,2-Dichlorobenzene	µg/L	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethane	µg/L	1 U	1 U	1 U	1 U	1 U
1,2-Dichloropropane	µg/L	1 U	1 U	1 U	1 U	1 U
1,3-Dichlorobenzene	µg/L	1 U	1 U	1 U	1 U	1 U
1,3-Dichloropropane	µg/L	1 U	1 U	1 U	1 U	1 U
1,4-Dichlorobenzene	µg/L	1 U	1 U	1 U	1 U	1 U
2,2-Dichloropropane	µg/L	2 U	2 U	2 U	2 U	2 U
2-Chlorotoluene	µg/L	1 U	1 U	1 U	1 U	1 U
4-Chlorotoluene	µg/L	1 U	1 U	1 U	1 U	1 U
Carbon tetrachloride	µg/L	2.3	2.5	2.5	2.3	2.9
Chlorobenzene	µg/L	1 U	1 U	1 U	1 U	1 U
Chloroform	µg/L	1 U	1 U	1 U	1 U	1 U
Chloromethane	µg/L	1 U	1 U	1 U	1 U	1 U
cis-1,3-Dichloropropene	µg/L	1 U	1 U	1 U	1 U	1 U
Dibromochloromethane	µg/L	1 U	1 U	1 U	1 U	1 U
Dichlorodifluoromethane	µg/L	1 U	1 U	1 U	1 U	1 U
Dichloromethane	µg/L	1 U	1 U	1 U	1 U	1 U
trans-1,3-Dichloropropene	µg/L	1 U	1 U	1 U	1 U	1 U
Trichlorofluoromethane	µg/L	1 U	1 U	1 U	1 U	1 U
BTEX						
Benzene	µg/L	1.3	2.9	2.3	2.6	6.6
Toluene	µg/L	1 U	1 U	1 U	1 U	1 U
Ethylbenzene	µg/L	1 U	1 U	1 U	1 U	1 U
Xylene (total)	µg/L	1 U	1 U	1 U	1 U	1 U
Semivolatile Organic Compounds						
Hexachlorobutadiene	µg/L	4 U	4 U	4 U	4 U	4 U

	Event	Fox-Ave Data Gaps Investigation Sampling (November - December 2008)				
	Location	GP-26	GP-26	GP-26	GP-27	GP-27
	SampleID	**GP-126-65W**	**GP-26-75W**	**GP-26-85W**	**GP-27-17W**	**GP-27-25W**
	Depth (bgs)	65 ft	75 ft	85 ft	17 ft	25 ft
	Sample Date	12/01/2008	12/01/2008	12/01/2008	11/26/2008	11/26/2008
Volatile Organic Compounds						
Tetrachloroethene	µg/L	23	5.3	4.4	20 U	20 U
Trichloroethene	µg/L	6.3	1 U	1.1	20 U	20 U
cis-1,2-Dichloroethene	µg/L	63	13	2.6	1900	600
trans-1,2-Dichloroethene	µg/L	0.92 J	1 U	1 U	20 U	20 U
1,1-Dichloroethene	µg/L	1 U	1 U	1 U	20 U	20 U
Vinyl chloride	µg/L	44	3.6	0.2 U	7600	3400
1,1,1,2-Tetrachloroethane	µg/L	1 U	1 U	1 U	20 U	20 U
1,1,1-Trichloroethane	µg/L	1 U	1 U	1 U	20 U	20 U
1,1,2,2-Tetrachloroethane	µg/L	1 U	1 U	1 U	20 U	20 U
1,1,2-Trichloroethane	µg/L	1 U	1 U	1 U	20 U	20 U
1,1-Dichloroethane	µg/L	1 U	1 U	1 U	88	52
Chloroethane	µg/L	1.1	1 U	1 U	20 U	20 U
1,1-Dichloropropene	µg/L	1 U	1 U	1 U	20 U	20 U
1,2,3-Trichlorobenzene	µg/L	4 U	4 U	4 U	80 U	80 U
1,2,3-Trichloropropane	µg/L	1 U	1 U	1 U	20 U	20 U
1,2,4-Trichlorobenzene	µg/L	2 U	2 U	2 U	40 U	40 U
1,2-Dibromo-3-chloropropane	µg/L	1 U	1 U	1 U	20 U	20 U
1,2-Dichlorobenzene	µg/L	1 U	1 U	1 U	20 U	20 U
1,2-Dichloroethane	µg/L	1 U	2	1 U	20 U	20 U
1,2-Dichloropropane	µg/L	1 U	1 U	1 U	20 U	20 U
1,3-Dichlorobenzene	µg/L	1 U	1 U	1 U	20 U	20 U
1,3-Dichloropropane	µg/L	1 U	1 U	1 U	20 U	20 U
1,4-Dichlorobenzene	µg/L	1 U	1 U	1 U	20 U	20 U
2,2-Dichloropropane	µg/L	2 U	2 U	2 U	40 U	40 U
2-Chlorotoluene	µg/L	1 U	1 U	1 U	20 U	20 U
4-Chlorotoluene	µg/L	1 U	1 U	1 U	20 U	20 U
Carbon tetrachloride	µg/L	2.95	3.1	3	1.5	1.2
Chlorobenzene	µg/L	1 U	1 U	1 U	20 U	20 U
Chloroform	µg/L	1 U	1 U	1 U	20 U	20 U
Chloromethane	µg/L	1 U	1 U	1 U	20 U	20 U
cis-1,3-Dichloropropene	µg/L	1 U	1 U	1 U	20 U	20 U
Dibromochloromethane	µg/L	1 U	1 U	1 U	20 U	20 U
Dichlorodifluoromethane	µg/L	1 U	1 U	1 U	20 U	20 U
Dichloromethane	µg/L	1 U	1 U	1 U	20 U	20 U
trans-1,3-Dichloropropene	µg/L	1 U	1 U	1 U	20 U	20 U
Trichlorofluoromethane	µg/L	1 U	1 U	1 U	20 U	20 U
BTEX						
Benzene	µg/L	6.2	64	2.2	32	13
Toluene	µg/L	1 U	1 U	1 U	22	13
Ethylbenzene	µg/L	1 U	1 U	1 U	20 U	160
Xylene (total)	µg/L	1 U	1 U	1 U	20 U	220
Semivolatile Organic Compounds						
Hexachlorobutadiene	µg/L	4 U	4 U	4 U	80 U	80 U

	Event	Fox-Ave Data Gaps Investigation Sampling (November - December 2008)				
	Location	GP-27	GP-27	GP-27	GP-28	GP-28
	SampleID	**GP-27-40W**	**GP-27-60W**	**GP-27-80W**	**GP-28-70W**	**GP-28-80W**
	Depth (bgs)	40 ft	60 ft	80 ft	70 ft	80 ft
	Sample Date	11/26/2008	11/26/2008	11/26/2008	12/01/2008	12/01/2008
Volatile Organic Compounds						
Tetrachloroethene	µg/L	1 U	1.9	1.9	2.03	1.97
Trichloroethene	µg/L	1 U	1 U	1 U	1 U	1 U
cis-1,2-Dichloroethene	µg/L	4.8	3800	19	29	17
trans-1,2-Dichloroethene	µg/L	1 U	29	1 U	1 U	1 U
1,1-Dichloroethene	µg/L	1 U	26	1 U	1 U	1 U
Vinyl chloride	µg/L	5.2	2100	21	19	9.6
1,1,1,2-Tetrachloroethane	µg/L	1 U	1 U	1 U	1 U	1 U
1,1,1-Trichloroethane	µg/L	1 U	1 U	1 U	1 U	1 U
1,1,2,2-Tetrachloroethane	µg/L	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichloroethane	µg/L	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	µg/L	56	1 U	1 U	1 U	1 U
Chloroethane	µg/L	180	1 U	1 U	1 U	1 U
1,1-Dichloropropene	µg/L	1 U	1 U	1 U	1 U	1 U
1,2,3-Trichlorobenzene	µg/L	4 U	4 U	4 U	4 U	4 U
1,2,3-Trichloropropane	µg/L	1 U	1 U	1 U	1 U	1 U
1,2,4-Trichlorobenzene	µg/L	2 U	2 U	2 U	2 U	2 U
1,2-Dibromo-3-chloropropane	µg/L	1 U	1 U	1 U	1 U	1 U
1,2-Dichlorobenzene	µg/L	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethane	µg/L	1 U	1 U	1 U	1 U	1 U
1,2-Dichloropropane	µg/L	1 U	1 U	1 U	1 U	1 U
1,3-Dichlorobenzene	µg/L	1 U	1 U	1 U	1 U	1 U
1,3-Dichloropropane	µg/L	1 U	1 U	1 U	1 U	1 U
1,4-Dichlorobenzene	µg/L	1 U	1 U	1 U	1 U	1 U
2,2-Dichloropropane	µg/L	2 U	2 U	2 U	2 U	2 U
2-Chlorotoluene	µg/L	1 U	1 U	1 U	1 U	1 U
4-Chlorotoluene	µg/L	1 U	1 U	1 U	1 U	1 U
Carbon tetrachloride	µg/L	1.5	3.1	3.2	2.6	2.8
Chlorobenzene	µg/L	1 U	1 U	1 U	1 U	1 U
Chloroform	µg/L	1 U	1 U	1 U	1 U	1 U
Chloromethane	µg/L	1 U	1 U	1 U	1 U	1 U
cis-1,3-Dichloropropene	µg/L	1 U	1 U	1 U	1 U	1 U
Dibromochloromethane	µg/L	1 U	1 U	1 U	1 U	1 U
Dichlorodifluoromethane	µg/L	1 U	1 U	1 U	1 U	1 U
Dichloromethane	µg/L	1 U	1 U	1 U	1 U	1 U
trans-1,3-Dichloropropene	µg/L	1 U	1 U	1 U	1 U	1 U
Trichlorofluoromethane	µg/L	1 U	1 U	1 U	1 U	1 U
BTEX						
Benzene	µg/L	42	1.9	3.1	1 U	27
Toluene	µg/L	9.6	1 U	1 U	1 U	1 U
Ethylbenzene	µg/L	87	1.7	2.1	1 U	1 U
Xylene (total)	µg/L	3	1	1 U	1 U	1 U
Semivolatile Organic Compounds						
Hexachlorobutadiene	µg/L	4 U	4 U	4 U	4 U	4 U

	Event	Fox-Ave Data Gaps Investigation Sampling (November - December 2008)				
	Location	GP-38	GP-38	GP-38	GP-39	GP-39
	SampleID	**GP-38-19W**	**GP-38-55W**	**GP-38-70W**	**GP-39-16W**	**GP-39-50W**
	Depth (bgs)	19 ft	55 ft	70 ft	16 ft	50 ft
	Sample Date	12/08/2008	12/08/2008	12/09/2008	12/09/2008	12/09/2008
Volatile Organic Compounds						
Tetrachloroethene	µg/L	2500	45	45	300	1 U
Trichloroethene	µg/L	1 U	1 U	1.9	310	1 U
cis-1,2-Dichloroethene	µg/L	27000 J	32	6.2	74	1.9
trans-1,2-Dichloroethene	µg/L	240	1 U	1 U	1.1	1 U
1,1-Dichloroethene	µg/L	31	1 U	1 U	1 U	1 U
Vinyl chloride	µg/L	970	1.4	0.2 U	34	0.2 U
1,1,1,2-Tetrachloroethane	µg/L	1 U	1 U	1 U	1 U	1 U
1,1,1-Trichloroethane	µg/L	43	1 U	1 U	1 U	1 U
1,1,2,2-Tetrachloroethane	µg/L	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichloroethane	µg/L	1 U	1 U	1 U	3.1	1 U
1,1-Dichloroethane	µg/L	130	1 U	1 U	1 U	1 U
Chloroethane	µg/L	1 U	1 U	1 U	1 U	1 U
1,1-Dichloropropene	µg/L	1 U	1 U	1 U	1 U	1 U
1,2,3-Trichlorobenzene	µg/L	4 U	4 U	4 U	4 U	4 U
1,2,3-Trichloropropane	µg/L	1 U	1 U	1 U	1 U	1 U
1,2,4-Trichlorobenzene	µg/L	2 U	2 U	2 U	2 U	2 U
1,2-Dibromo-3-chloropropane	µg/L	1 U	1 U	1 U	1 U	1 U
1,2-Dichlorobenzene	µg/L	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethane	µg/L	1 U	1 U	1 U	1 U	1 U
1,2-Dichloropropane	µg/L	1 U	1 U	1 U	1 U	1 U
1,3-Dichlorobenzene	µg/L	1 U	1 U	1 U	1 U	1 U
1,3-Dichloropropane	µg/L	1 U	1 U	1 U	1 U	1 U
1,4-Dichlorobenzene	µg/L	1 U	1 U	1 U	1 U	1 U
2,2-Dichloropropane	µg/L	2 U	2 U	2 U	2 U	2 U
2-Chlorotoluene	µg/L	1 U	1 U	1 U	1 U	1 U
4-Chlorotoluene	µg/L	1 U	1 U	1 U	1 U	1 U
Carbon tetrachloride	µg/L	1 U	1 U	1 U	1 U	1 U
Chlorobenzene	µg/L	1 U	1 U	1 U	1 U	1 U
Chloroform	µg/L	1 U	1 U	1 U	1 U	1 U
Chloromethane	µg/L	1 U	1 U	1 U	1 U	1 U
cis-1,3-Dichloropropene	µg/L	1 U	1 U	1 U	1 U	1 U
Dibromochloromethane	µg/L	1 U	1 U	1 U	1 U	1 U
Dichlorodifluoromethane	µg/L	1 U	1 U	1 U	1 U	1 U
Dichloromethane	µg/L	1 U	1 U	1 U	1 U	1 U
trans-1,3-Dichloropropene	µg/L	1 U	1 U	1 U	1 U	1 U
Trichlorofluoromethane	µg/L	1 U	1 U	1 U	1 U	1 U
BTEX						
Benzene	µg/L	19	32	1 U	1 U	1 U
Toluene	µg/L	3100	3	4.4	1 U	1 U
Ethylbenzene	µg/L	710	1 U	1 U	1 U	1 U
Xylene (total)	µg/L	920	1 U	1 U	1 U	1 U
Semivolatile Organic Compounds						
Hexachlorobutadiene	µg/L	4 U	4 U	4 U	4 U	4 U

	Event	Fox-Ave Data Gaps Investigation Sampling (November - December 2008)				
	Location	GP-39	GP-40	GP-40	GP-40	GP-40
	SampleID	**GP-39-60W**	**GP-40-40W**	**GP-40-50W**	**GP-40-60W**	**GP-140-60W**
	Depth (bgs)	60 ft	40 ft	50 ft	60 ft	60 ft
	Sample Date	12/09/2008	12/12/2008	12/12/2008	12/12/2008	12/12/2008
Volatile Organic Compounds						
Tetrachloroethene	µg/L	1 U	42	20 U	20 U	20 U
Trichloroethene	µg/L	1 U	18	1000	200	260
cis-1,2-Dichloroethene	µg/L	1 U	200	390	7200	8300
trans-1,2-Dichloroethene	µg/L	1 U	1 U	20 U	20 U	20 U
1,1-Dichloroethene	µg/L	1 U	1 U	20 U	20 U	20 U
Vinyl chloride	µg/L	0.2 U	8.3	6	94	120
1,1,1,2-Tetrachloroethane	µg/L	1 U	1 U	20 U	20 U	20 U
1,1,1-Trichloroethane	µg/L	1 U	1 U	20 U	20 U	20 U
1,1,2,2-Tetrachloroethane	µg/L	1 U	1 U	20 U	20 U	20 U
1,1,2-Trichloroethane	µg/L	1 U	1 U	20 U	20 U	20 U
1,1-Dichloroethane	µg/L	1 U	1 U	20 U	20 U	20 U
Chloroethane	µg/L	1 U	1 U	20 U	20 U	20 U
1,1-Dichloropropene	µg/L	1 U	1 U	20 U	20 U	20 U
1,2,3-Trichlorobenzene	µg/L	4 U	4 U	80 U	80 U	80 U
1,2,3-Trichloropropane	µg/L	1 U	1 U	20 U	20 U	20 U
1,2,4-Trichlorobenzene	µg/L	2 U	2 U	40 U	40 U	40 U
1,2-Dibromo-3-chloropropane	µg/L	1 U	1 U	20 U	20 U	20 U
1,2-Dichlorobenzene	µg/L	1 U	1 U	20 U	20 U	20 U
1,2-Dichloroethane	µg/L	1 U	1 U	20 U	20 U	20 U
1,2-Dichloropropane	µg/L	1 U	1 U	20 U	20 U	20 U
1,3-Dichlorobenzene	µg/L	1 U	1 U	20 U	20 U	20 U
1,3-Dichloropropane	µg/L	1 U	1 U	20 U	20 U	20 U
1,4-Dichlorobenzene	µg/L	1 U	1 U	20 U	20 U	20 U
2,2-Dichloropropane	µg/L	2 U	2 U	40 U	40 U	40 U
2-Chlorotoluene	µg/L	1 U	1 U	20 U	20 U	20 U
4-Chlorotoluene	µg/L	1 U	1 U	20 U	20 U	20 U
Carbon tetrachloride	µg/L	1 U	1 U	20 U	20 U	20 U
Chlorobenzene	µg/L	1 U	1 U	20 U	20 U	20 U
Chloroform	µg/L	1 U	1 U	20 U	20 U	20 U
Chloromethane	µg/L	1 U	1 U	20 U	20 U	20 U
cis-1,3-Dichloropropene	µg/L	1 U	1 U	20 U	20 U	20 U
Dibromochloromethane	µg/L	1 U	1 U	20 U	20 U	20 U
Dichlorodifluoromethane	µg/L	1 U	1 U	20 U	20 U	20 U
Dichloromethane	µg/L	1 U	1 U	20 U	20 U	20 U
trans-1,3-Dichloropropene	µg/L	1 U	1 U	20 U	20 U	20 U
Trichlorofluoromethane	µg/L	1 U	1 U	20 U	20 U	20 U
Total Petroleum Hydrocarbons						
Gasoline	µg/L		100 U	100 U	100 U	100 U
Gasoline Range Hydrocarbons	µg/L		100 U	750	150	160
BTEX						
Benzene	µg/L	1 U	1	20 U	20 U	20 U
Toluene	µg/L	1 U	50	4.4 J	38	46
Ethylbenzene	µg/L	1 U	39	20 U	20 U	20 U
Xylene (total)	µg/L	1 U	25	20 U	20 U	20 U
Semivolatile Organic Compounds						
Hexachlorobutadiene	µg/L	4 U	4 U	80 U	80 U	80 U

	Event	Fox-Ave Data Gaps Investigation Sampling (November - December 2008)				
	Location	GP-42	GP-42	GP-42	GP-42	GP-45
	SampleID	**GP-42-40W**	**GP-52-55W**	**GP-42-65W**	**GP-42-75W**	**GP-45-60W**
	Depth (bgs)	40 ft	55 ft	65 ft	75 ft	60 ft
	Sample Date	12/11/2008	12/11/2008	12/11/2008	12/11/2008	12/04/2008
Volatile Organic Compounds						
Tetrachloroethene	µg/L	5	1300	29	26	1 U
Trichloroethene	µg/L	60	44000 J	110	113	1 U
cis-1,2-Dichloroethene	µg/L	260	50000 J	27000 J	73	130
trans-1,2-Dichloroethene	µg/L	1 U	50 U	10 U	1 U	1 U
1,1-Dichloroethene	µg/L	1 U	50 U	10 U	1 U	1 U
Vinyl chloride	µg/L	830	85	2600	5.1	5.2
1,1,1,2-Tetrachloroethane	µg/L	1 U	50 U	10 U	1 U	1 U
1,1,1-Trichloroethane	µg/L	1 U	50 U	10 U	1 U	1 U
1,1,2,2-Tetrachloroethane	µg/L	1 U	50 U	10 U	1 U	1 U
1,1,2-Trichloroethane	µg/L	1 U	50 U	10 U	1 U	1 U
1,1-Dichloroethane	µg/L	1 U	50 U	10 U	1 U	1 U
Chloroethane	µg/L	1 U	50 U	10 U	1 U	1 U
1,1-Dichloropropene	µg/L	1 U	50 U	10 U	1 U	1 U
1,2,3-Trichlorobenzene	µg/L	4 U	200 U	40 U	4 U	4 U
1,2,3-Trichloropropane	µg/L	1 U	50 U	10 U	1 U	1 U
1,2,4-Trichlorobenzene	µg/L	2 U	100 U	20 U	2 U	2 U
1,2-Dibromo-3-chloropropane	µg/L	1 U	50 U	10 U	1 U	1 U
1,2-Dichlorobenzene	µg/L	1 U	95	10 U	1 U	1 U
1,2-Dichloroethane	µg/L	1 U	50 U	10 U	1 U	1 U
1,2-Dichloropropane	µg/L	1 U	50 U	10 U	1 U	1 U
1,3-Dichlorobenzene	µg/L	1 U	50 U	10 U	1 U	1 U
1,3-Dichloropropane	µg/L	1 U	50 U	10 U	1 U	1 U
1,4-Dichlorobenzene	µg/L	1 U	50 U	10 U	1 U	1 U
2,2-Dichloropropane	µg/L	2 U	100 U	20 U	2 U	2 U
2-Chlorotoluene	µg/L	1 U	50 U	10 U	1 U	1 U
4-Chlorotoluene	µg/L	1 U	50 U	10 U	1 U	1 U
Carbon tetrachloride	µg/L	1 U	50 U	10 U	1 U	1 U
Chlorobenzene	µg/L	1 U	50 U	10 U	1 U	1 U
Chloroform	µg/L	1 U	50 U	10 U	1 U	1 U
Chloromethane	µg/L	1 U	50 U	10 U	1 U	1 U
cis-1,3-Dichloropropene	µg/L	1 U	50 U	10 U	1 U	1 U
Dibromochloromethane	µg/L	1 U	50 U	10 U	1 U	1 U
Dichlorodifluoromethane	µg/L	1 U	50 U	10 U	1 U	1 U
Dichloromethane	µg/L	1 U	50 U	10 U	1 U	1 U
trans-1,3-Dichloropropene	µg/L	1 U	50 U	10 U	1 U	1 U
Trichlorofluoromethane	µg/L	1 U	50 U	10 U	1 U	1 U
BTEX						
Benzene	µg/L	1 U	9.5 J	6.5 J	32	1 U
Toluene	µg/L	18	1400	140	4.5	2
Ethylbenzene	µg/L	24	240	15	2.4	1.7
Xylene (total)	µg/L	13	170	5.5 J	1.4	1 U
Semivolatile Organic Compounds						
Hexachlorobutadiene	µg/L	4 U	200 U	40 U	4 U	4 U

	Event	Fox-Ave Data Gaps Investigation Sampling (November - December 2008)				
	Location	GP-45	GP-46	GP-46	GP-46	GP-47
	SampleID	**GP-45-70W**	**GP-46-50W**	**GP-46-60W**	**GP-46-70W**	**GP-47-65W**
	Depth (bgs)	70 ft	50 ft	60 ft	70 ft	65 ft
	Sample Date	12/04/2008	12/04/2008	12/04/2008	12/04/2008	12/04/2008
Volatile Organic Compounds						
Tetrachloroethene	µg/L	1 U	1.5	3.7	1	1 U
Trichloroethene	µg/L	1 U	1 U	1 U	1 U	1 U
cis-1,2-Dichloroethene	µg/L	1.8	530	4200	21	340
trans-1,2-Dichloroethene	µg/L	1 U	1 U	100	1 U	1 U
1,1-Dichloroethene	µg/L	1 U	1 U	36	1 U	1 U
Vinyl chloride	µg/L	14	450	1600	4.1	6.9
1,1,1,2-Tetrachloroethane	µg/L	1 U	1 U	1 U	1 U	1 U
1,1,1-Trichloroethane	µg/L	1 U	1 U	1 U	1 U	1 U
1,1,2,2-Tetrachloroethane	µg/L	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichloroethane	µg/L	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	µg/L	1 U	1 U	17	1 U	1 U
Chloroethane	µg/L	1 U	1 U	1 U	1 U	1 U
1,1-Dichloropropene	µg/L	1 U	1 U	1 U	1 U	1 U
1,2,3-Trichlorobenzene	µg/L	4 U	4 U	4 U	4 U	4 U
1,2,3-Trichloropropane	µg/L	1 U	1 U	1 U	1 U	1 U
1,2,4-Trichlorobenzene	µg/L	2 U	2 U	2 U	2 U	2 U
1,2-Dibromo-3-chloropropane	µg/L	1 U	1 U	1 U	1 U	1 U
1,2-Dichlorobenzene	µg/L	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethane	µg/L	1 U	1 U	1 U	1 U	1 U
1,2-Dichloropropane	µg/L	1 U	1 U	1 U	1 U	1 U
1,3-Dichlorobenzene	µg/L	1 U	1 U	1 U	1 U	1 U
1,3-Dichloropropane	µg/L	1 U	1 U	1 U	1 U	1 U
1,4-Dichlorobenzene	µg/L	1 U	1 U	1 U	1 U	1 U
2,2-Dichloropropane	µg/L	2 U	2 U	2 U	2 U	2 U
2-Chlorotoluene	µg/L	1 U	1 U	1 U	1 U	1 U
4-Chlorotoluene	µg/L	1 U	1 U	1 U	1 U	1 U
Carbon tetrachloride	µg/L	1 U	1 U	1 U	1 U	1 U
Chlorobenzene	µg/L	1 U	1 U	1 U	1 U	1 U
Chloroform	µg/L	1 U	1 U	1 U	1 U	1 U
Chloromethane	µg/L	1 U	1 U	1 U	1 U	1 U
cis-1,3-Dichloropropene	µg/L	1 U	1 U	1 U	1 U	1 U
Dibromochloromethane	µg/L	1 U	1 U	1 U	1 U	1 U
Dichlorodifluoromethane	µg/L	1 U	1 U	1 U	1 U	1 U
Dichloromethane	µg/L	1 U	1 U	1 U	1 U	1 U
trans-1,3-Dichloropropene	µg/L	1 U	1 U	1 U	1 U	1 U
Trichlorofluoromethane	µg/L	1 U	1 U	1 U	1 U	1 U
BTEX						
Benzene	µg/L	1 U	1 U	3.7	1 U	1 U
Toluene	µg/L	1 U	1 U	1.2	1 U	1 U
Ethylbenzene	µg/L	1 U	1 U	1 U	1 U	1 U
Xylene (total)	µg/L	1 U	1 U	1 U	1 U	1 U
Semivolatile Organic Compounds						
Hexachlorobutadiene	µg/L	4 U	4 U	4 U	4 U	4 U
Conventionals						
Chloride	mg/L			270	170	
Conductivity	µS/cm			740 U	700 U	

	Event	Fox-Ave Data Gaps Investigation Sampling (November - December 2008)				
	Location	GP-47	GP-51	GP-51	GP-52	GP-52
	SampleID	**GP-47-75W**	**GP-51-31W**	**GP-51-54W**	**GP-52-40W**	**GP-52-50W**
	Depth (bgs)	75 ft	31 ft	54 ft	40 ft	50 ft
	Sample Date	12/04/2008	12/08/2008	12/08/2008	12/09/2008	12/09/2008
Volatile Organic Compounds						
Tetrachloroethene	µg/L	1 U	3.9	29	1 U	1 U
Trichloroethene	µg/L	1 U	1 U	1 U	1 U	1 U
cis-1,2-Dichloroethene	µg/L	35	1500	2000 J	3.6	5.1
trans-1,2-Dichloroethene	µg/L	1 U	15	15	1 U	1 U
1,1-Dichloroethene	µg/L	1 U	4.9	9.1	1 U	1 U
Vinyl chloride	µg/L	5.6	210	96	0.2 U	0.2 U
1,1,1,2-Tetrachloroethane	µg/L	1 U	1 U	1 U	1 U	1 U
1,1,1-Trichloroethane	µg/L	1 U	1 U	1 U	1 U	1 U
1,1,2,2-Tetrachloroethane	µg/L	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichloroethane	µg/L	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	µg/L	1 U	1 U	1 U	1 U	1 U
Chloroethane	µg/L	1 U	1 U	1 U	1 U	1 U
1,1-Dichloropropene	µg/L	1 U	1 U	1 U	1 U	1 U
1,2,3-Trichlorobenzene	µg/L	4 U	4 U	4 U	4 U	4 U
1,2,3-Trichloropropane	µg/L	1 U	1 U	1 U	1 U	1 U
1,2,4-Trichlorobenzene	µg/L	2 U	2 U	2 U	2 U	2 U
1,2-Dibromo-3-chloropropane	µg/L	1 U	1 U	1 U	1 U	1 U
1,2-Dichlorobenzene	µg/L	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethane	µg/L	1 U	1 U	1 U	1 U	1 U
1,2-Dichloropropane	µg/L	1 U	1 U	1 U	1 U	1 U
1,3-Dichlorobenzene	µg/L	1 U	1 U	1 U	1 U	1 U
1,3-Dichloropropane	µg/L	1 U	1 U	1 U	1 U	1 U
1,4-Dichlorobenzene	µg/L	1 U	1 U	1 U	1 U	1 U
2,2-Dichloropropane	µg/L	2 U	2 U	2 U	2 U	2 U
2-Chlorotoluene	µg/L	1 U	1 U	1 U	1 U	1 U
4-Chlorotoluene	µg/L	1 U	1 U	1 U	1 U	1 U
Carbon tetrachloride	µg/L	1 U	1 U	1 U	1 U	1 U
Chlorobenzene	µg/L	1 U	1 U	1 U	1 U	1 U
Chloroform	µg/L	1 U	1 U	1 U	1 U	1 U
Chloromethane	µg/L	1 U	1 U	1 U	1 U	1 U
cis-1,3-Dichloropropene	µg/L	1 U	1 U	1 U	1 U	1 U
Dibromochloromethane	µg/L	1 U	1 U	1 U	1 U	1 U
Dichlorodifluoromethane	µg/L	1 U	1 U	1 U	1 U	1 U
Dichloromethane	µg/L	1 U	1 U	1 U	1 U	1 U
trans-1,3-Dichloropropene	µg/L	1 U	1 U	1 U	1 U	1 U
Trichlorofluoromethane	µg/L	1 U	1 U	1 U	1 U	1 U
BTEX						
Benzene	µg/L	1 U	1 U	1 U	1 U	1 U
Toluene	µg/L	1 U	1 U	1 U	1 U	1 U
Ethylbenzene	µg/L	1 U	1 U	4.1	1 U	1 U
Xylene (total)	µg/L	1 U	1 U	1	1 U	1 U
Semivolatile Organic Compounds						
Hexachlorobutadiene	µg/L	4 U	4 U	4 U	4 U	4 U
Conventionals						
Chloride	mg/L	170				
Conductivity	µS/cm	630 U				

	Event	Fox-Ave Data Gaps Investigation Sampling (November - December 2008)				
	Location	GP-52	GP-53	GP-53	GP-53	GP-53
	SampleID	**GP-52-60W**	**GP-53-40W**	**GP-53-50W**	**GP-153-50W**	**GP-53-60W**
	Depth (bgs)	60 ft	40 ft	50 ft	50 ft	60 ft
	Sample Date	12/09/2008	12/10/2008	12/10/2008	12/10/2008	12/10/2008
Volatile Organic Compounds						
Tetrachloroethene	µg/L	1 U	1.8	18	20	7
Trichloroethene	µg/L	1 U	14	430	380	12
cis-1,2-Dichloroethene	µg/L	2	990	2300	2200	50
trans-1,2-Dichloroethene	µg/L	1 U	6.2	6.3	6.7	1 U
1,1-Dichloroethene	µg/L	1 U	1 U	1 U	1 U	1 U
Vinyl chloride	µg/L	0.2 U	17	1400	1500	10
1,1,1,2-Tetrachloroethane	µg/L	1 U	1 U	1 U	1 U	1 U
1,1,1-Trichloroethane	µg/L	1 U	1 U	1 U	1 U	1 U
1,1,2,2-Tetrachloroethane	µg/L	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichloroethane	µg/L	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	µg/L	1 U	1 U	1 U	1 U	1 U
Chloroethane	µg/L	1 U	1 U	1 U	1 U	1 U
1,1-Dichloropropene	µg/L	1 U	1 U	1 U	1 U	1 U
1,2,3-Trichlorobenzene	µg/L	4 U	4 U	4 U	4 U	4 U
1,2,3-Trichloropropane	µg/L	1 U	1 U	1 U	1 U	1 U
1,2,4-Trichlorobenzene	µg/L	2 U	2 U	2 U	2 U	2 U
1,2-Dibromo-3-chloropropane	µg/L	1 U	1 U	1 U	1 U	1 U
1,2-Dichlorobenzene	µg/L	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethane	µg/L	1 U	1 U	1 U	1 U	1 U
1,2-Dichloropropane	µg/L	1 U	1 U	1 U	1 U	1 U
1,3-Dichlorobenzene	µg/L	1 U	1 U	1 U	1 U	1 U
1,3-Dichloropropane	µg/L	1 U	1 U	1 U	1 U	1 U
1,4-Dichlorobenzene	µg/L	1 U	1 U	1 U	1 U	1 U
2,2-Dichloropropane	µg/L	2 U	2 U	2 U	2 U	2 U
2-Chlorotoluene	µg/L	1 U	1 U	1 U	1 U	1 U
4-Chlorotoluene	µg/L	1 U	1 U	1 U	1 U	1 U
Carbon tetrachloride	µg/L	1 U	1 U	1 U	1 U	1 U
Chlorobenzene	µg/L	1 U	1 U	1 U	1 U	1 U
Chloroform	µg/L	1 U	1 U	1 U	1 U	1 U
Chloromethane	µg/L	1 U	1 U	1 U	1 U	1 U
cis-1,3-Dichloropropene	µg/L	1 U	1 U	1 U	1 U	1 U
Dibromochloromethane	µg/L	1 U	1 U	1 U	1 U	1 U
Dichlorodifluoromethane	µg/L	1 U	1 U	1 U	1 U	1 U
Dichloromethane	µg/L	1 U	1 U	1 U	1 U	1 U
trans-1,3-Dichloropropene	µg/L	1 U	1 U	1 U	1 U	1 U
Trichlorofluoromethane	µg/L	1 U	1 U	1 U	1 U	1 U
BTEX						
Benzene	µg/L	1 U	1.4	1.4	1.5	20
Toluene	µg/L	1 U	1 U	1 U	1 U	1 U
Ethylbenzene	µg/L	1 U	1.1	2.5	2.4	2.2
Xylene (total)	µg/L	1 U	1.4	2.7	2.7	2.9
Semivolatile Organic Compounds						
Hexachlorobutadiene	µg/L	4 U	4 U	4 U	4 U	4 U

	Event	Fox-Ave Data Gaps Investigation Sampling (November - December 2008)				
	Location	GP-56	GP-56	GP-56	GP-56	GP-57
	SampleID	**GP-56-30W**	**GP-56-40W**	**GP-56-50W**	**GP-56-60W**	**GP-57-25W**
	Depth (bgs)	30 ft	40 ft	50 ft	56 - 60 ft	25 ft
	Sample Date	12/16/2008	12/16/2008	12/16/2008	12/16/2008	12/29/2008
Volatile Organic Compounds						
Tetrachloroethene	µg/L	1 U	1 U	1 U	1 U	390
Trichloroethene	µg/L	1 U	1 U	1 U	1 U	30
cis-1,2-Dichloroethene	µg/L	70	1.8	1	1.2	940
trans-1,2-Dichloroethene	µg/L	1 U	1 U	1 U	1 U	9.4
1,1-Dichloroethene	µg/L	1 U	1 U	1 U	1 U	1 U
Vinyl chloride	µg/L	0.2 U	5.9	0.2 U	0.2 U	3300
1,1,1,2-Tetrachloroethane	µg/L	1 U	1 U	1 U	1 U	1 U
1,1,1-Trichloroethane	µg/L	1 U	1 U	1 U	1 U	1 U
1,1,2,2-Tetrachloroethane	µg/L	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichloroethane	µg/L	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	µg/L	1 U	1 U	1 U	1 U	1 U
Chloroethane	µg/L	1 U	1 U	1 U	1 U	1 U
1,1-Dichloropropene	µg/L	1 U	1 U	1 U	1 U	1 U
1,2,3-Trichlorobenzene	µg/L	4 U	4 U	4 U	4 U	4 U
1,2,3-Trichloropropane	µg/L	1 U	1 U	1 U	1 U	1 U
1,2,4-Trichlorobenzene	µg/L	2 U	2 U	2 U	2 U	2 U
1,2-Dibromo-3-chloropropane	µg/L	1 U	1 U	1 U	1 U	1 U
1,2-Dichlorobenzene	µg/L	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethane	µg/L	1 U	1 U	1 U	1 U	1 U
1,2-Dichloropropane	µg/L	1 U	1 U	1 U	1 U	1 U
1,3-Dichlorobenzene	µg/L	1 U	1 U	1 U	1 U	1 U
1,3-Dichloropropane	µg/L	1 U	1 U	1 U	1 U	1 U
1,4-Dichlorobenzene	µg/L	1 U	1 U	1 U	1 U	1 U
2,2-Dichloropropane	µg/L	2 U	2 U	2 U	2 U	2 U
2-Chlorotoluene	µg/L	1 U	1 U	1 U	1 U	1 U
4-Chlorotoluene	µg/L	1 U	1 U	1 U	1 U	1 U
Carbon tetrachloride	µg/L	1 U	1 U	1 U	1 U	1 U
Chlorobenzene	µg/L	1 U	1 U	1 U	1 U	1 U
Chloroform	µg/L	1 U	1 U	1 U	1 U	1 U
Chloromethane	µg/L	1 U	1 U	1 U	1 U	1 U
cis-1,3-Dichloropropene	µg/L	1 U	1 U	1 U	1 U	1 U
Dibromochloromethane	µg/L	1 U	1 U	1 U	1 U	1 U
Dichlorodifluoromethane	µg/L	1 U	1 U	1 U	1 U	1 U
Dichloromethane	µg/L	1 U	1 U	1 U	1 U	1 U
trans-1,3-Dichloropropene	µg/L	1 U	1 U	1 U	1 U	1 U
Trichlorofluoromethane	µg/L	1 U	1 U	1 U	1 U	1 U
BTEX						
Benzene	µg/L	1 U	1 U	1 U	1 U	1 U
Toluene	µg/L	1 U	1 U	1 U	1 U	1 U
Ethylbenzene	µg/L	1 U	1 U	1 U	1 U	1 U
Xylene (total)	µg/L	1 U	1 U	1 U	1 U	1 U
Semivolatile Organic Compounds						
Hexachlorobutadiene	µg/L	4 U	4 U	4 U	4 U	4 U

	Event	Fox-Ave Data Gaps Investigation Sampling (November - December 2008)				
	Location	GP-57	GP-57	GP-57	GP-57	GP-57
	SampleID	**GP-57-35W**	**GP-57-45W**	**GP-57-55W**	**GP-57-65W**	**GP-57-75W**
	Depth (bgs)	35 ft	45 ft	55 ft	65 ft	75 ft
	Sample Date	12/29/2008	12/29/2008	12/29/2008	12/29/2008	12/29/2008
Volatile Organic Compounds						
Tetrachloroethene	µg/L	640	440	620	7400	320
Trichloroethene	µg/L	15	1100	19	920	11
cis-1,2-Dichloroethene	µg/L	28	620	5	69	2
trans-1,2-Dichloroethene	µg/L	1 U	4	1 U	1.6	1 U
1,1-Dichloroethene	µg/L	1 U	1 U	1 U	1 U	1 U
Vinyl chloride	µg/L	0.2 U	500	0.2 U	13	0.2 U
1,1,1,2-Tetrachloroethane	µg/L	1 U	1 U	1 U	1 U	1 U
1,1,1-Trichloroethane	µg/L	1 U	1 U	1 U	1 U	1 U
1,1,2,2-Tetrachloroethane	µg/L	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichloroethane	µg/L	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	µg/L	1 U	1 U	1 U	1 U	1 U
Chloroethane	µg/L	1 U	1 U	1 U	1 U	1 U
1,1-Dichloropropene	µg/L	1 U	1 U	1 U	1 U	1 U
1,2,3-Trichlorobenzene	µg/L	4 U	4 U	4 U	4 U	4 U
1,2,3-Trichloropropane	µg/L	1 U	1 U	1 U	1 U	1 U
1,2,4-Trichlorobenzene	µg/L	2 U	2 U	2 U	2 U	2 U
1,2-Dibromo-3-chloropropane	µg/L	1 U	1 U	1 U	1 U	1 U
1,2-Dichlorobenzene	µg/L	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethane	µg/L	1 U	1 U	1 U	1 U	1 U
1,2-Dichloropropane	µg/L	1 U	1 U	1 U	1 U	1 U
1,3-Dichlorobenzene	µg/L	1 U	1 U	1 U	1 U	1 U
1,3-Dichloropropane	µg/L	1 U	1 U	1 U	1 U	1 U
1,4-Dichlorobenzene	µg/L	1 U	1 U	1 U	1 U	1 U
2,2-Dichloropropane	µg/L	2 U	2 U	2 U	2 U	2 U
2-Chlorotoluene	µg/L	1 U	1 U	1 U	1 U	1 U
4-Chlorotoluene	µg/L	1 U	1 U	1 U	1 U	1 U
Carbon tetrachloride	µg/L	1 U	1 U	1 U	1 U	1 U
Chlorobenzene	µg/L	1 U	1 U	1 U	1 U	1 U
Chloroform	µg/L	1 U	1 U	1 U	1 U	1 U
Chloromethane	µg/L	1 U	1 U	1 U	1 U	1 U
cis-1,3-Dichloropropene	µg/L	1 U	1 U	1 U	1 U	1 U
Dibromochloromethane	µg/L	1 U	1 U	1 U	1 U	1 U
Dichlorodifluoromethane	µg/L	1 U	1 U	1 U	1 U	1 U
Dichloromethane	µg/L	1 U	1 U	1 U	1 U	1 U
trans-1,3-Dichloropropene	µg/L	1 U	1 U	1 U	1 U	1 U
Trichlorofluoromethane	µg/L	1 U	1 U	1 U	1 U	1 U
Total Petroleum Hydrocarbons						
Diesel #2	µg/L		100 U	100 U		
Lube Oil	µg/L		200 U	200 U		
Paraffin Oils	µg/L		100 U	100 U		
Mineral Spirits	µg/L		130	240		
BTEX						
Benzene	µg/L	1 U	1 U	11	17	1 U
Toluene	µg/L	13	6	19	660	16
Ethylbenzene	µg/L	1 U	1 U	1 U	19	1 U
Xylene (total)	µg/L	1 U	1 U	1 U	66	1 U
Semivolatile Organic Compounds						
Hexachlorobutadiene	µg/L	4 U	4 U	4 U	4 U	4 U

	Event	ERM Historical Groundwater Sampling Events				
	Location	B-06	B-08	B-08	B-08	B-08
	SampleID	**B-6-8/14/2003**	**B-8-8/19/2003**	**B-8-12/11/2003**	**B-8-1/28/2004**	**B-8-2/27/2004**
	Depth (bgs)	40.5 - 45.5 ft	39.5 - 44.5 ft	39.5 - 44.5 ft	39.5 - 44.5 ft	39.5 - 44.5 ft
	Sample Date	08/14/2003	08/19/2003	12/11/2003	01/28/2004	02/27/2004
Volatile Organic Compounds						
Tetrachloroethene	µg/L	1 U	18.2	13.6	20.4	4 U
Trichloroethene	µg/L	1 U	118	81	101	26.4
cis-1,2-Dichloroethene	µg/L	1 U	247	234	213	159
Vinyl chloride	µg/L	0.77	3.68	3.6	8.65	8.08
Semivolatile Organic Compounds						
Pentachlorophenol	µg/L		0.5 U			

	Event	**ERM Historical Groundwater Sampling Events**				
	Location	B-08	B-08	B-08	B-08	B-08
	SampleID	**B-8-3/29/2004**	**B-8-4/27/2004**	**B-8-5/28/2004**	**B-8-1/12/2005**	**B-8-2/9/2005**
	Depth (bgs)	39.5 - 44.5 ft	39.5 - 44.5 ft	39.5 - 44.5 ft	39.5 - 44.5 ft	39.5 - 44.5 ft
	Sample Date	03/29/2004	04/27/2004	05/28/2004	01/12/2005	02/09/2005
Volatile Organic Compounds						
Tetrachloroethene	µg/L	6.3	5 U	5 U	1 U	4 U
Trichloroethene	µg/L	22.3	20	19.4	77.9	7.28
cis-1,2-Dichloroethene	µg/L	155	194	178	146	100
Vinyl chloride	µg/L	9.55	6.65	9.45	5.82	5.68

	Event	**ERM Historical Groundwater Sampling Events**				
	Location	B-08	B-08	B-08	B-09	B-09
	SampleID	**B-8-3/9/2005**	**B-8-12/19/2005**	**B-8-8/8/2007**	**B-9-8/14/2003**	**B-9-11/17/2004**
	Depth (bgs)	39.5 - 44.5 ft	39.5 - 44.5 ft	39.5 - 44.5 ft	38.5 - 43.5 ft	38.5 - 43.5 ft
	Sample Date	03/09/2005	12/19/2005	08/08/2007	08/14/2003	11/17/2004
Volatile Organic Compounds						
Tetrachloroethene	µg/L	4 U	2 U	30.7 JB	3.93	7.12
Trichloroethene	µg/L	4 U	2 U	123	5.3	2.95
cis-1,2-Dichloroethene	µg/L	109	67.1	166	46.3	47.5
Vinyl chloride	µg/L	4.8	73.4	25.8	4.66	4.64

	Event	**ERM Historical Groundwater Sampling Events**				
	Location	B-09	B-09	B-09	B-09	B-09
	SampleID	**B-9-1/11/2005**	**B-9-2/8/2005**	**B-9-3/8/2005**	**B-9-12/15/2005**	**B-9-8/8/2007**
	Depth (bgs)	38.5 - 43.5 ft	38.5 - 43.5 ft	38.5 - 43.5 ft	38.5 - 43.5 ft	38.5 - 43.5 ft
	Sample Date	01/11/2005	02/08/2005	03/08/2005	12/15/2005	08/08/2007
Volatile Organic Compounds						
Tetrachloroethene	µg/L	21.6	1 U	1 U	7.75	146 JB
Trichloroethene	µg/L	7.19	3.26	2.69	2.88	19.4 JB
cis-1,2-Dichloroethene	µg/L	39.5	41.7	43.1	45.2	45.6
Vinyl chloride	µg/L	4.68	4.71	2.72	3.07	0.2 U

	Event	**ERM Historical Groundwater Sampling Events**				
	Location	B-10A	B-10A	B-10A	B-11	B-11
	SampleID	**B-10A-8/14/2003**	**B-10A-12/15/2005**	**B-10A-8/9/2007**	**B-11-8/20/2003**	**B-11-11/19/2004**
	Depth (bgs)	9.5 - 14.5 ft	9.5 - 14.5 ft	9.5 - 14.5 ft	11 - 13 ft	11 - 13 ft
	Sample Date	08/14/2003	12/15/2005	08/09/2007	08/20/2003	11/19/2004
Volatile Organic Compounds						
Tetrachloroethene	µg/L	58.9 J	9.96	32	27800 J	26800
Trichloroethene	µg/L	278	141	308	6810	8160
cis-1,2-Dichloroethene	µg/L	2380	440	7770	2850	3670
Vinyl chloride	µg/L	317	319	396	200 U	1000 U
Semivolatile Organic Compounds						
Pentachlorophenol	µg/L	1.44	1.73	0.476 U	2.5 U	

	Event	ERM Historical Groundwater Sampling Events				
	Location	B-11	B-11	B-11	B-11	B-11
	SampleID	**B-11-1/13/2005**	**B-11-2/9/2005**	**B-11-3/9/2005**	**B-11-8/16/2005**	**B-11-12/15/2005**
	Depth (bgs)	11 - 13 ft	11 - 13 ft	11 - 13 ft	11 - 13 ft	11 - 13 ft
	Sample Date	01/13/2005	02/09/2005	03/09/2005	08/16/2005	12/15/2005
Volatile Organic Compounds						
Tetrachloroethene	µg/L	100 U	10 U	10 U	3460	2 U
Trichloroethene	µg/L	100 U	10 U	10 U	572	2 U
cis-1,2-Dichloroethene	µg/L	100 U	10 U	10 U	2370	1 U
Vinyl chloride	µg/L	100 U	10 U	10 U	20 U	1 U
Semivolatile Organic Compounds						
Pentachlorophenol	µg/L					2.43

	Event	ERM Historical Groundwater Sampling Events				
	Location	B-11	B-11	B-11	B-12	B-12
	SampleID	**B-11-8/17/2006**	**B-11-12/7/2006**	**B-11-8/8/2007**	**B-12-11/18/2004**	**B-12-8/8/2007**
	Depth (bgs)	11 - 13 ft	11 - 13 ft	11 - 13 ft	10.5 - 13 ft	10.5 - 13 ft
	Sample Date	08/17/2006	12/07/2006	08/08/2007	11/18/2004	08/08/2007
Volatile Organic Compounds						
Tetrachloroethene	µg/L		231 J	325 JB	43200 JB	
Trichloroethene	µg/L		36.9 J	102	13400 J	
cis-1,2-Dichloroethene	µg/L		51.3 J	415	31200 J	
Vinyl chloride	µg/L		6.7 J	2.94	815 J	
Semivolatile Organic Compounds						
Pentachlorophenol	µg/L					16.1
Dissolved Metals						
Manganese	mg/L	3.09	1.98			

	Event	ERM Historical Groundwater Sampling Events				
	Location	B-13	B-13	B-13	B-15	B-15
	SampleID	**B-13-8/15/2003**	**B-13-11/18/2004**	**B-13-8/3/2007**	**B-15-8/20/2003**	**B-15-11/19/2004**
	Depth (bgs)	7 - 12 ft	7 - 12 ft	7 - 12 ft	12 - 17 ft	12 - 17 ft
	Sample Date	08/15/2003	11/18/2004	08/03/2007	08/20/2003	11/19/2004
Volatile Organic Compounds						
Tetrachloroethene	µg/L	1840	1870 JB	1350	15500	18800
Trichloroethene	µg/L	105 J	109	59.2	5060	5580
cis-1,2-Dichloroethene	µg/L	50.8	44.6	19.8	5220	5120
Vinyl chloride	µg/L	0.5 U	10 U	1.69	250 U	1000 U
Semivolatile Organic Compounds						
Pentachlorophenol	µg/L				15 J	

	Event	ERM Historical Groundwater Sampling Events				
	Location	B-15	B-15	B-15	B-15	B-15
	SampleID	**B-15-1/12/2005**	**B-15-2/11/2005**	**B-15-3/10/2005**	**B-15-8/17/2005**	**B-15-12/19/2005**
	Depth (bgs)	12 - 17 ft	12 - 17 ft	12 - 17 ft	12 - 17 ft	12 - 17 ft
	Sample Date	01/12/2005	02/11/2005	03/10/2005	08/17/2005	12/19/2005
Volatile Organic Compounds						
Tetrachloroethene	µg/L	12500	10900 J	10900	3290	2 U
Trichloroethene	µg/L	3320	2840	3020	1460	2 U
cis-1,2-Dichloroethene	µg/L	3230	2020	2610	1590	1 U
Vinyl chloride	µg/L	100 U	100 U	400 U	25 U	1 U
Semivolatile Organic Compounds						
Pentachlorophenol	µg/L					2.42

	Event	ERM Historical Groundwater Sampling Events				
	Location	B-15	B-15	B-16	B-16	B-16
	SampleID	**B-15-12/7/2006**	**B-15-8/7/2007**	**B-16-8/20/2003**	**B-16-8/17/2005**	**B-16-12/15/2005**
	Depth (bgs)	12 - 17 ft	12 - 17 ft	11 - 16 ft	11 - 16 ft	11 - 16 ft
	Sample Date	12/07/2006	08/07/2007	08/20/2003	08/17/2005	12/15/2005
Volatile Organic Compounds						
Tetrachloroethene	µg/L	65.4 J	641 JB	2720	1900	657
Trichloroethene	µg/L	26.6 J	96.4	1270	481	224
cis-1,2-Dichloroethene	µg/L	69.3 J	752	2620	4250	256
Vinyl chloride	µg/L	3.43 J	0.91	483	204	52.6
Semivolatile Organic Compounds						
Pentachlorophenol	µg/L		2.25 J	0.5 U		1.71

	Event	ERM Historical Groundwater Sampling Events				
	Location	B-16	B-16	B-17	B-17	B-17
	SampleID	**B-16-12/7/2006**	**B-16-8/7/2007**	**B-17-8/15/2003**	**B-17-12/15/2005**	**B-17-8/7/2007**
	Depth (bgs)	11 - 16 ft	11 - 16 ft	40 - 50 ft	40 - 50 ft	40 - 50 ft
	Sample Date	12/07/2006	08/07/2007	08/15/2003	12/15/2005	08/07/2007
Volatile Organic Compounds						
Tetrachloroethene	µg/L	376 J	56.7	1 U	1 U	0.39 U
Trichloroethene	µg/L	92.6 J	18.6	1 U	1 U	0.2 U
cis-1,2-Dichloroethene	µg/L	344 J	28.6	3.36	1.94	0.21
Vinyl chloride	µg/L	9.32 J	3.97	1.74	1.73	0.2 U
Semivolatile Organic Compounds						
Pentachlorophenol	µg/L		0.472 U	0.5 U		

	Event	ERM Historical Groundwater Sampling Events				
	Location	B-18	B-18	B-18	B-19	B-19
	SampleID	**B-18-8/18/2003**	**B-18-12/13/2005**	**B-18-8/3/2007**	**B-19-8/18/2003**	**B-19-12/13/2005**
	Depth (bgs)	6 - 16 ft	6 - 16 ft	6 - 16 ft	37.5 - 47.5 ft	37.5 - 47.5 ft
	Sample Date	08/18/2003	12/13/2005	08/03/2007	08/18/2003	12/13/2005
Volatile Organic Compounds						
Tetrachloroethene	µg/L	38.6	182	0.2 U	25.8	1.87
Trichloroethene	µg/L	21.8	150	2	49.6	23.8
cis-1,2-Dichloroethene	µg/L	2250	456	332	31.7	23.2
Vinyl chloride	µg/L	2740	200	515	0.5 U	1.2
Semivolatile Organic Compounds						
Pentachlorophenol	µg/L	3.58		0.472 U	0.5 U	

	Event	ERM Historical Groundwater Sampling Events				
	Location	B-19	B-20A	B-20A	B-20A	B-20A
	SampleID	**B-19-8/3/2007**	**B-20A-8/19/2003**	**B-20A-11/17/2004**	**B-20A-12/13/2005**	**B-20A-12/6/2006**
	Depth (bgs)	37.5 - 47.5 ft	6 - 16 ft	6 - 16 ft	6 - 16 ft	6 - 16 ft
	Sample Date	08/03/2007	08/19/2003	11/17/2004	12/13/2005	12/06/2006
Volatile Organic Compounds						
Tetrachloroethene	µg/L	0.54	4540	2760	566	136 J
Trichloroethene	µg/L	10.1	1140	596 J	149	12.7 J
cis-1,2-Dichloroethene	µg/L	34	632	285 J	69	3.44 J
Vinyl chloride	µg/L	24.9	20.1	2.21	10 U	1 UJ
Semivolatile Organic Compounds						
Pentachlorophenol	µg/L		0.5 U		1.44	

	Event	**ERM Historical Groundwater Sampling Events**				
	Location	B-20A	B-21	B-21	B-21	B-21
	SampleID	**B-20A-8/6/2007**	**B-21-8/19/2003**	**B-21-12/11/2003**	**B-21-1/28/2004**	**B-21-2/26/2004**
	Depth (bgs)	6 - 16 ft	38 - 43 ft	38 - 43 ft	38 - 43 ft	38 - 43 ft
	Sample Date	08/06/2007	08/19/2003	12/11/2003	01/28/2004	02/26/2004
Volatile Organic Compounds						
Tetrachloroethene	µg/L	434 JB	1 U	20 U	50 U	100 U
Trichloroethene	µg/L	97.8 J	1.51	20 U	50 U	100 U
cis-1,2-Dichloroethene	µg/L	68.8 J	828	66.8	51.5	100 U
Vinyl chloride	µg/L	0.43 J	7130	977	3150	2950
Semivolatile Organic Compounds						
Pentachlorophenol	µg/L	0.472 U	0.5 U			

	Event	**ERM Historical Groundwater Sampling Events**				
	Location	B-21	B-21	B-21	B-21	B-21
	SampleID	**B-21-3/29/2004**	**B-21-4/27/2004**	**B-21-5/28/2004**	**B-21-1/11/2005**	**B-21-2/10/2005**
	Depth (bgs)	38 - 43 ft	38 - 43 ft	38 - 43 ft	38 - 43 ft	38 - 43 ft
	Sample Date	03/29/2004	04/27/2004	05/28/2004	01/11/2005	02/10/2005
Volatile Organic Compounds						
Tetrachloroethene	µg/L	40 U	100 U	2.18	10 U	100 U
Trichloroethene	µg/L	40 U	100 U	1 U	10 U	100 U
cis-1,2-Dichloroethene	µg/L	40 U	100 U	24	16.2	100 U
Vinyl chloride	µg/L	1540	2320	121	452	400

	Event	**ERM Historical Groundwater Sampling Events**				
	Location	B-21	B-21	B-22	B-22	B-22
	SampleID	**B-21-3/8/2005**	**B-21-8/6/2007**	**B-22-8/20/2003**	**B-22-11/17/2004**	**B-22-12/14/2005**
	Depth (bgs)	38 - 43 ft	38 - 43 ft	7 - 13 ft	7 - 13 ft	7 - 13 ft
	Sample Date	03/08/2005	08/06/2007	08/20/2003	11/17/2004	12/14/2005
Volatile Organic Compounds						
Tetrachloroethene	µg/L	10 U	1.57 UJ	475	411	306
Trichloroethene	µg/L	10 U	0.51 J	56.8	64.9 J	53.4
cis-1,2-Dichloroethene	µg/L	10 U	264 J	26.8	63.8 J	52
Vinyl chloride	µg/L	462	66.8 J	10 U	2.69	2.9

	Event	**ERM Historical Groundwater Sampling Events**				
	Location	B-22	B-23	B-23	B-23	B-23
	SampleID	**B-22-8/7/2007**	**B-23-8/15/2003**	**B-23-11/17/2004**	**B-23-1/11/2005**	**B-23-2/8/2005**
	Depth (bgs)	7 - 13 ft	20.5 - 30.5 ft	20.5 - 30.5 ft	20.5 - 30.5 ft	20.5 - 30.5 ft
	Sample Date	08/07/2007	08/15/2003	11/17/2004	01/11/2005	02/08/2005
Volatile Organic Compounds						
Tetrachloroethene	µg/L	898 JB	28.8	10.7	6.65	8.33
Trichloroethene	µg/L	58.5 JB	23.5	11.7	10.8	10.1
cis-1,2-Dichloroethene	µg/L	32.8 J	4.72	3.23	4.82	4.45
Vinyl chloride	µg/L	1.04 J	0.5 U	1 U	1 U	1 U

	Event	ERM Historical Groundwater Sampling Events				
	Location	B-23	B-23	B-23	B-24	B-24
	SampleID	**B-23-3/8/2005**	**B-23-12/14/2005**	**B-23-8/7/2007**	**B-24-8/14/2003**	**B-24-8/6/2007**
	Depth (bgs)	20.5 - 30.5 ft	20.5 - 30.5 ft	20.5 - 30.5 ft	6 - 16 ft	6 - 16 ft
	Sample Date	03/08/2005	12/14/2005	08/07/2007	08/14/2003	08/06/2007
Volatile Organic Compounds						
Tetrachloroethene	µg/L	7.56	4.13	16.1 J	1 U	0.2 UJ
Trichloroethene	µg/L	8.53	6.5	22 J	1 U	0.2 UJ
cis-1,2-Dichloroethene	µg/L	3.03	2.51	7.28 J	1 U	0.2 UJ
Vinyl chloride	µg/L	1 U	0.5 U	0.2 UJ	0.5 U	0.2 UJ
Semivolatile Organic Compounds						
Pentachlorophenol	µg/L				0.5 U	

	Event	ERM Historical Groundwater Sampling Events				
	Location	B-25	B-26	B-26	B-27	B-28
	SampleID	**B-25-8/14/2003**	**B-26-8/14/2003**	**B-26-8/3/2007**	**B-27-8/14/2003**	**B-28-8/14/2003**
	Depth (bgs)	27 - 37 ft	8.5 - 13.25 ft	8.5 - 13.25 ft	42.5 - 47.5 ft	9 - 14 ft
	Sample Date	08/14/2003	08/14/2003	08/03/2007	08/14/2003	08/14/2003
Volatile Organic Compounds						
Tetrachloroethene	µg/L	1 U	1 U	0.29	1 U	25.6
Trichloroethene	µg/L	1 U	1.75	0.73	1 U	2.06
cis-1,2-Dichloroethene	µg/L	1 U	30.1	16	1 U	8.18
Vinyl chloride	µg/L	0.5 U	2.11	0.2	1.52	0.5 U
Semivolatile Organic Compounds						
Pentachlorophenol	µg/L	0.5 U				

	Event	ERM Historical Groundwater Sampling Events				
	Location	B-28	B-28	B-30	B-30	B-30
	SampleID	**B-28-12/14/2005**	**B-28-8/1/2007**	**B-30-12/12/2003**	**B-30-1/27/2004**	**B-30-2/27/2004**
	Depth (bgs)	9 - 14 ft	9 - 14 ft	8 - 15 ft	8 - 15 ft	8 - 15 ft
	Sample Date	12/14/2005	08/01/2007	12/12/2003	01/27/2004	02/27/2004
Volatile Organic Compounds						
Tetrachloroethene	µg/L	15.2	3.39 J	97200	97600	86300
Trichloroethene	µg/L	1 U	1.09 J	23000	23700	18300
cis-1,2-Dichloroethene	µg/L	4.87	8.17 J	52200 J	56800	40100
Vinyl chloride	µg/L	0.5 U	0.2 UJ	500 U	1000 U	1000 U

	Event	**ERM Historical Groundwater Sampling Events**				
	Location	B-30	B-30	B-30	B-30	B-30
	SampleID	**B-30-3/29/2004**	**B-30-4/27/2004**	**B-30-8/17/2005**	**B-30-12/19/2005**	**B-30-2/16/2006**
	Depth (bgs)	8 - 15 ft	8 - 15 ft	8 - 15 ft	8 - 15 ft	8 - 15 ft
	Sample Date	03/29/2004	04/27/2004	08/17/2005	12/19/2005	02/16/2006
Volatile Organic Compounds						
Tetrachloroethene	µg/L	89200	69400	52800	7650	76100
Trichloroethene	µg/L	17200	20000	4670	176	3690
cis-1,2-Dichloroethene	µg/L	48000	53200	8380	50 U	1000 U
Vinyl chloride	µg/L	500 U	1000 U	250 U	50 U	1000 U
Semivolatile Organic Compounds						
Pentachlorophenol	µg/L				1220	929

	Event	ERM Historical Groundwater Sampling Events				
	Location	B-30	B-30	B-31	B-31	B-31
	SampleID	**B-30-12/5/2006**	**B-30-8/8/2007**	**B-31-8/20/2003**	**B-31-11/19/2004**	**B-31-1/13/2005**
	Depth (bgs)	8 - 15 ft	8 - 15 ft	6.5 - 11.5 ft	6.5 - 11.5 ft	6.5 - 11.5 ft
	Sample Date	12/05/2006	08/08/2007	08/20/2003	11/19/2004	01/13/2005
Volatile Organic Compounds						
Tetrachloroethene	µg/L	1710	6700	78000	48500	14200
Trichloroethene	µg/L	8 U	2700	16000	15200	3060
cis-1,2-Dichloroethene	µg/L	8 U	922	22500	10800	1780
Vinyl chloride	µg/L	8 U	8 U	50 U	4000 U	100 U
Semivolatile Organic Compounds						
Pentachlorophenol	µg/L	29.3 J	37.3 J	48.3		

	Event	**ERM Historical Groundwater Sampling Events**				
	Location	B-31	B-31	B-31	B-31	B-31
	SampleID	**B-31-2/9/2005**	**B-31-3/9/2005**	**B-31-8/16/2005**	**B-31-12/16/2005**	**B-31-2/16/2006**
	Depth (bgs)	6.5 - 11.5 ft	6.5 - 11.5 ft	6.5 - 11.5 ft	6.5 - 11.5 ft	6.5 - 11.5 ft
	Sample Date	02/09/2005	03/09/2005	08/16/2005	12/16/2005	02/16/2006
Volatile Organic Compounds						
Tetrachloroethene	µg/L	29500 J	27500	15700	2360	592
Trichloroethene	µg/L	7160 J	5480	2140	111	17.9
cis-1,2-Dichloroethene	µg/L	4540	3320	686	26.5	5 U
Vinyl chloride	µg/L	100 U	1000 U	100 U	25 U	5 U

	Event	ERM Historical Groundwater Sampling Events				
	Location	B-31	B-31	B-32	B-33A	B-33A
	SampleID	**B-31-12/5/2006**	**B-31-8/8/2007**	**B-32-8/16/2005**	**B-33A-8/18/2003**	**B-33A-12/12/2005**
	Depth (bgs)	6.5 - 11.5 ft	6.5 - 11.5 ft	6.5 - 11.5 ft	28 - 38 ft	28 - 38 ft
	Sample Date	12/05/2006	08/08/2007	08/16/2005	08/18/2003	12/12/2005
Volatile Organic Compounds						
Tetrachloroethene	µg/L	2480	22300 JB	234	6.56	200 U
Trichloroethene	µg/L	649	5270 JB	26	1 U	200 U
cis-1,2-Dichloroethene	µg/L	230	816	3.86	4500	4080
Vinyl chloride	µg/L	8 U	1.87	0.5 U	11600	6240
Semivolatile Organic Compounds						
Pentachlorophenol	µg/L	26.1	71.1			

	Event	**ERM Historical Groundwater Sampling Events**				
	Location	B-33A	B-33A	B-34	B-34	B-34
	SampleID	**B-33A-12/6/2006**	**B-33A-8/2/2007**	**B-34-8/18/2003**	**B-34-12/12/2005**	**B-34-12/6/2006**
	Depth (bgs)	28 - 38 ft	28 - 38 ft	7.5 - 12.5 ft	7.5 - 12.5 ft	7.5 - 12.5 ft
	Sample Date	12/06/2006	08/02/2007	08/18/2003	12/12/2005	12/06/2006
Volatile Organic Compounds						
Tetrachloroethene	µg/L	100 UJ	1.03	14.6	36.8	29.7 J
Trichloroethene	µg/L	100 UJ	0.6	9.5	17.5	10 J
cis-1,2-Dichloroethene	µg/L	3460 J	4040	45	18.8	11.7 J
Vinyl chloride	µg/L	12200 J	7090	24.9	0.93	1 UJ
Dissolved Metals						
Manganese	mg/L	0.268				0.0185

	Event	ERM Historical Groundwater Sampling Events				
	Location	B-34	B-35	B-35	B-35	B-35
	SampleID	**B-34-8/2/2007**	**B-35-8/18/2003**	**B-35-12/13/2005**	**B-35-12/6/2006**	**B-35-8/6/2007**
	Depth (bgs)	7.5 - 12.5 ft	19.5 - 29.5 ft	19.5 - 29.5 ft	19.5 - 29.5 ft	19.5 - 29.5 ft
	Sample Date	08/02/2007	08/18/2003	12/13/2005	12/06/2006	08/06/2007
Volatile Organic Compounds						
Tetrachloroethene	µg/L	27.1	37.4	20 U	4 UJ	0.2 UJ
Trichloroethene	µg/L	9.56	100	20 U	4 UJ	1.71 J
cis-1,2-Dichloroethene	µg/L	20.4	145	249	39.5 J	8.93 J
Vinyl chloride	µg/L	15.2	5840	633	378 J	1370 J
Semivolatile Organic Compounds						
Pentachlorophenol	µg/L	0.476 U				
Dissolved Metals						
Manganese	mg/L				0.691	

	Event	ERM Historical Groundwater Sampling Events				
	Location	B-36	B-36	B-36	B-37	B-37
	SampleID	**B-36-8/18/2003**	**B-36-12/13/2005**	**B-36-8/6/2007**	**B-37-8/18/2003**	**B-37-8/9/2007**
	Depth (bgs)	6 - 11 ft	6 - 11 ft	6 - 11 ft	23 - 28 ft	23 - 28 ft
	Sample Date	08/18/2003	12/13/2005	08/06/2007	08/18/2003	08/09/2007
Volatile Organic Compounds						
Tetrachloroethene	µg/L	38	37.3	145 J	1 U	0.2 U
Trichloroethene	µg/L	32.2	20	38.2 J	1 U	0.2 U
cis-1,2-Dichloroethene	µg/L	116	25.8	146 J	1 U	0.2 U
Vinyl chloride	µg/L	8.97	0.89	4 J	0.5 U	0.2 U
Semivolatile Organic Compounds						
Pentachlorophenol	µg/L			0.472 U	1.82	

	Event	ERM Historical Groundwater Sampling Events				
	Location	B-38	B-38	B-39	B-39	B-39
	SampleID	**B-38-8/18/2003**	**B-38-8/9/2007**	**B-39-12/10/2003**	**B-39-1/29/2004**	**B-39-2/27/2004**
	Depth (bgs)	6 - 16 ft	6 - 16 ft	5.5 - 11.82 ft	5.5 - 11.82 ft	5.5 - 11.82 ft
	Sample Date	08/18/2003	08/09/2007	12/10/2003	01/29/2004	02/27/2004
Volatile Organic Compounds						
Tetrachloroethene	µg/L	1.38	2.1	29900	500 U	13800
Trichloroethene	µg/L	6	2 U	5800	500 U	1330
cis-1,2-Dichloroethene	µg/L	7.09	7.2	24700	500 U	5100
Vinyl chloride	µg/L	0.5 U	2 U	1290	250 U	200 U
Semivolatile Organic Compounds						
Pentachlorophenol	µg/L	2040	11500			

	Event	**ERM Historical Groundwater Sampling Events**				
	Location	B-39	B-39	B-39	B-42	B-42
	SampleID	**B-39-3/29/2004**	**B-39-4/27/2004**	**B-39-8/8/2007**	**B-42-8/20/2003**	**B-42-12/10/2003**
	Depth (bgs)	5.5 - 11.82 ft	5.5 - 11.82 ft	5.5 - 11.82 ft	5.75 - 11.75 ft	5.75 - 11.75 ft
	Sample Date	03/29/2004	04/27/2004	08/08/2007	08/20/2003	12/10/2003
Volatile Organic Compounds						
Tetrachloroethene	µg/L	38000	55300	13600 J	70200	20400
Trichloroethene	µg/L	8250	12800	220 J	14000	5800
cis-1,2-Dichloroethene	µg/L	38000	54600	204 J	63800	27700
Vinyl chloride	µg/L	500 U	1000 U	80 UJ	50 U	346

	Event	ERM Historical Groundwater Sampling Events				
	Location	B-42	B-42	B-42	B-42	B-42
	SampleID	**B-42-1/29/2004**	**B-42-2/27/2004**	**B-42-3/29/2004**	**B-42-4/27/2004**	**B-42-1/12/2005**
	Depth (bgs)	5.75 - 11.75 ft	5.75 - 11.75 ft	5.75 - 11.75 ft	5.75 - 11.75 ft	5.75 - 11.75 ft
	Sample Date	01/29/2004	02/27/2004	03/29/2004	04/27/2004	01/12/2005
Volatile Organic Compounds						
Tetrachloroethene	µg/L	500 U	69500	81400	70100	100 U
Trichloroethene	µg/L	500 U	13900	17800	16800	100 U
cis-1,2-Dichloroethene	µg/L	500 U	53700	48900	48800	100 U
Vinyl chloride	µg/L	250 U	500 U	500 U	1000 U	100 U

	Event	**ERM Historical Groundwater Sampling Events**				
	Location	B-42	B-42	B-42	B-42	B-42
	SampleID	**B-42-2/9/2005**	**B-42-3/9/2005**	**B-42-8/17/2006**	**B-42-12/5/2006**	**B-42-8/8/2007**
	Depth (bgs)	5.75 - 11.75 ft	5.75 - 11.75 ft	5.75 - 11.75 ft	5.75 - 11.75 ft	5.75 - 11.75 ft
	Sample Date	02/09/2005	03/09/2005	08/17/2006	12/05/2006	08/08/2007
Volatile Organic Compounds						
Tetrachloroethene	µg/L	55300 J	80 U		130	16300
Trichloroethene	µg/L	5560	80 U		8 U	327
cis-1,2-Dichloroethene	µg/L	12800 J	80 U		8 U	71.8
Vinyl chloride	µg/L	100 U	80 U		8 U	0.2 U
Dissolved Metals						
Manganese	mg/L			17.4	148	

	Event	**ERM Historical Groundwater Sampling Events**				
	Location	B-44	B-44	B-44	B-44	B-44
	SampleID	**B-44-8/20/2003**	**B-44-11/18/2004**	**B-44-1/13/2005**	**B-44-2/9/2005**	**B-44-3/9/2005**
	Depth (bgs)	9.5 - 15.5 ft	9.5 - 15.5 ft	9.5 - 15.5 ft	9.5 - 15.5 ft	9.5 - 15.5 ft
	Sample Date	08/20/2003	11/18/2004	01/13/2005	02/09/2005	03/09/2005
Volatile Organic Compounds						
Tetrachloroethene	µg/L	40000	45300 JB	100 U	100 U	100 U
Trichloroethene	µg/L	9750	12200	100 U	100 U	100 U
cis-1,2-Dichloroethene	µg/L	53200	54700	100 U	100 U	100 U
Vinyl chloride	µg/L	1880	1270	100 U	100 U	100 U

	Event	ERM Historical Groundwater Sampling Events				
	Location	B-44	B-44	B-44	B-44	B-45
	SampleID	**B-44-12/19/2005**	**B-44-2/16/2006**	**B-44-8/17/2006**	**B-44-8/8/2007**	**B-45-8/20/2003**
	Depth (bgs)	9.5 - 15.5 ft	9.5 - 15.5 ft	9.5 - 15.5 ft	9.5 - 15.5 ft	37 - 47 ft
	Sample Date	12/19/2005	02/16/2006	08/17/2006	08/08/2007	08/20/2003
Volatile Organic Compounds						
Tetrachloroethene	µg/L	15800	3310		21900 J	25.2
Trichloroethene	µg/L	6020	434		388 J	2100
cis-1,2-Dichloroethene	µg/L	7510	586		152 J	6630
Vinyl chloride	µg/L	25 U	50 U		80 UJ	500 U
Semivolatile Organic Compounds						
Pentachlorophenol	µg/L					0.5 U
Dissolved Metals						
Manganese	mg/L			11.5		

	Event	**ERM Historical Groundwater Sampling Events**				
	Location	B-44	B-45	B-45	B-45	B-45
	SampleID	**B-44-12/5/2006**	**B-45-12/11/2003**	**B-45-1/29/2004**	**B-45-2/26/2004**	**B-45-3/29/2004**
	Depth (bgs)	9.5 - 15.5 ft	37 - 47 ft	37 - 47 ft	37 - 47 ft	37 - 47 ft
	Sample Date	12/05/2006	12/11/2003	01/29/2004	02/26/2004	03/29/2004
Volatile Organic Compounds						
Tetrachloroethene	µg/L	8 U	400 U	100 U	20 U	50 U
Trichloroethene	µg/L	8 U	408	277	347	342
cis-1,2-Dichloroethene	µg/L	8 U	14300	4650	950	1340
Vinyl chloride	µg/L	8 U	620	154	12	25 U
Semivolatile Organic Compounds						
Pentachlorophenol	µg/L	1.93 J				
Dissolved Metals						
Manganese	mg/L	1120				

	Event	**ERM Historical Groundwater Sampling Events**				
	Location	B-45	B-45	B-45	B-45	B-45
	SampleID	**B-45-4/27/2004**	**B-45-5/28/2004**	**B-45-1/11/2005**	**B-45-2/9/2005**	**B-45-3/9/2005**
	Depth (bgs)	37 - 47 ft	37 - 47 ft	37 - 47 ft	37 - 47 ft	37 - 47 ft
	Sample Date	04/27/2004	05/28/2004	01/11/2005	02/09/2005	03/09/2005
Volatile Organic Compounds						
Tetrachloroethene	µg/L	40 U	2.2	100 U	40 U	80 U
Trichloroethene	µg/L	316	508	163	385	370
cis-1,2-Dichloroethene	µg/L	1340	1460	3000	2280	3610
Vinyl chloride	µg/L	20 U	9.44	165	57.2	130

	Event	**ERM Historical Groundwater Sampling Events**				
	Location	B-45	B-45	B-45	B-46	B-46
	SampleID	**B-45-2/16/2006**	**B-45-12/5/2006**	**B-45-8/6/2007**	**B-46-8/19/2003**	**B-46-12/10/2003**
	Depth (bgs)	37 - 47 ft	37 - 47 ft	37 - 47 ft	7.3 - 13.3 ft	7.3 - 13.3 ft
	Sample Date	02/16/2006	12/05/2006	08/06/2007	08/19/2003	12/10/2003
Volatile Organic Compounds						
Tetrachloroethene	µg/L	20 U	60.1	28.7 J	54700	24500
Trichloroethene	µg/L	369	247	710 J	14900	7450
cis-1,2-Dichloroethene	µg/L	2760	5570	13700 J	33800	19300
Vinyl chloride	µg/L	275	199	245 J	1460	929

	Event	**ERM Historical Groundwater Sampling Events**				
	Location	B-46	B-46	B-46	B-46	B-46
	SampleID	**B-46-1/29/2004**	**B-46-2/27/2004**	**B-46-3/29/2004**	**B-46-4/26/2004**	**B-46-8/8/2007**
	Depth (bgs)	7.3 - 13.3 ft	7.3 - 13.3 ft	7.3 - 13.3 ft	7.3 - 13.3 ft	7.3 - 13.3 ft
	Sample Date	01/29/2004	02/27/2004	03/29/2004	04/26/2004	08/08/2007
Volatile Organic Compounds						
Tetrachloroethene	µg/L	35400	6950	39000	37800	20000 J
Trichloroethene	µg/L	1000 U	200 U	5490	7260	416 J
cis-1,2-Dichloroethene	µg/L	1000 U	200 U	11500	17000	464 J
Vinyl chloride	µg/L	500 U	100 U	250 U	500 U	80 UJ

	Event	ERM Historical Groundwater Sampling Events				
	Location	B-47	B-47	B-47	B-47	B-47
	SampleID	**B-47-8/19/2003**	**B-47-12/10/2003**	**B-47-1/29/2004**	**B-47-2/27/2004**	**B-47-3/29/2004**
	Depth (bgs)	6.8 - 12.8 ft	6.8 - 12.8 ft	6.8 - 12.8 ft	6.8 - 12.8 ft	6.8 - 12.8 ft
	Sample Date	08/19/2003	12/10/2003	01/29/2004	02/27/2004	03/29/2004
Volatile Organic Compounds						
Tetrachloroethene	µg/L	71200	29700	78400	71900	80800
Trichloroethene	µg/L	15300	7320	16100	16000	18200
cis-1,2-Dichloroethene	µg/L	73000	48500	67000	63100	58600
Vinyl chloride	µg/L	590	250	1000 U	500 U	500 U
Semivolatile Organic Compounds						
Pentachlorophenol	µg/L	386				

	Event	**ERM Historical Groundwater Sampling Events**				
	Location	B-47	B-47	B-47	B-47	B-47
	SampleID	**B-47-4/26/2004**	**B-47-11/18/2004**	**B-47-1/13/2005**	**B-47-2/9/2005**	**B-47-3/9/2005**
	Depth (bgs)	6.8 - 12.8 ft	6.8 - 12.8 ft	6.8 - 12.8 ft	6.8 - 12.8 ft	6.8 - 12.8 ft
	Sample Date	04/26/2004	11/18/2004	01/13/2005	02/09/2005	03/09/2005
Volatile Organic Compounds						
Tetrachloroethene	µg/L	68100				
Trichloroethene	µg/L	17100				
cis-1,2-Dichloroethene	µg/L	63200				
Vinyl chloride	µg/L	1000 U				
Semivolatile Organic Compounds						
Pentachlorophenol	µg/L		566	676	740	108

	Event	**ERM Historical Groundwater Sampling Events**				
	Location	B-47	B-47	B-47	B-47	B-49
	SampleID	**B-47-8/16/2005**	**B-47-12/16/2005**	**B-47-12/5/2006**	**B-47-8/8/2007**	**B-49-8/20/2003**
	Depth (bgs)	6.8 - 12.8 ft	6.8 - 12.8 ft	6.8 - 12.8 ft	6.8 - 12.8 ft	9.5 - 15.5 ft
	Sample Date	08/16/2005	12/16/2005	12/05/2006	08/08/2007	08/20/2003
Volatile Organic Compounds						
Tetrachloroethene	µg/L	63800	50 U		2840	53100
Trichloroethene	µg/L	17400	50 U		8 U	16500
cis-1,2-Dichloroethene	µg/L	28500	25 U		8 U	34200
Vinyl chloride	µg/L	250 U	25 U		8 U	1000 U
Semivolatile Organic Compounds						
Pentachlorophenol	µg/L		9.44	6.57 J	5.71	595

	Event	**ERM Historical Groundwater Sampling Events**				
	Location	B-49	B-49	B-49	B-49	B-49
	SampleID	**B-49-12/11/2003**	**B-49-1/29/2004**	**B-49-2/27/2004**	**B-49-3/29/2004**	**B-49-4/27/2004**
	Depth (bgs)	9.5 - 15.5 ft	9.5 - 15.5 ft	9.5 - 15.5 ft	9.5 - 15.5 ft	9.5 - 15.5 ft
	Sample Date	12/11/2003	01/29/2004	02/27/2004	03/29/2004	04/27/2004
Volatile Organic Compounds						
Tetrachloroethene	µg/L	29200	59600	42200	65300	35400
Trichloroethene	µg/L	8560	8460	10600	19800	62000
cis-1,2-Dichloroethene	µg/L	26300	9040	12200	24600	36000
Vinyl chloride	µg/L	285	1000 U	500 U	500 U	1000 U

	Event	**ERM Historical Groundwater Sampling Events**				
	Location	B-49	B-49	B-49	B-49	B-49
	SampleID	**B-49-11/18/2004**	**B-49-1/13/2005**	**B-49-2/9/2005**	**B-49-3/9/2005**	**B-49-8/6/2007**
	Depth (bgs)	9.5 - 15.5 ft	9.5 - 15.5 ft	9.5 - 15.5 ft	9.5 - 15.5 ft	9.5 - 15.5 ft
	Sample Date	11/18/2004	01/13/2005	02/09/2005	03/09/2005	08/06/2007
Volatile Organic Compounds						
Tetrachloroethene	µg/L					26400 JB
Trichloroethene	µg/L					1920 J
cis-1,2-Dichloroethene	µg/L					501 J
Vinyl chloride	µg/L					0.29 J
Semivolatile Organic Compounds						
Pentachlorophenol	µg/L	229	2.93	2.46	6.13	116

	Event	ERM Historical Groundwater Sampling Events				
	Location	B-50	B-52	B-52	B-52	B-52
	SampleID	**B-50-8/8/2007**	**B-52-8/20/2003**	**B-52-12/11/2003**	**B-52-1/28/2004**	**B-52-2/26/2004**
	Depth (bgs)	5 - 11 ft	6.75 - 12.75 ft	6.75 - 12.75 ft	6.75 - 12.75 ft	6.75 - 12.75 ft
	Sample Date	08/08/2007	08/20/2003	12/11/2003	01/28/2004	02/26/2004
Volatile Organic Compounds						
Tetrachloroethene	µg/L	13200 J	10900	11800	24900	19900
Trichloroethene	µg/L	1060 J	2580	1950	1890	1310
cis-1,2-Dichloroethene	µg/L	2170 J	22800	8160	8520	7440
Vinyl chloride	µg/L	124 J	2730	740	710	624
Semivolatile Organic Compounds						
Pentachlorophenol	µg/L		4.27			

	Event	**ERM Historical Groundwater Sampling Events**				
	Location	B-52	B-52	B-52	B-52	B-52
	SampleID	**B-52-3/27/2004**	**B-52-4/26/2004**	**B-52-8/17/2005**	**B-52-12/19/2005**	**B-52-12/5/2006**
	Depth (bgs)	6.75 - 12.75 ft	6.75 - 12.75 ft	6.75 - 12.75 ft	6.75 - 12.75 ft	6.75 - 12.75 ft
	Sample Date	03/27/2004	04/26/2004	08/17/2005	12/19/2005	12/05/2006
Volatile Organic Compounds						
Tetrachloroethene	µg/L	16200	17400	9110	2 U	1390
Trichloroethene	µg/L	1530	1760	3430	2 U	216
cis-1,2-Dichloroethene	µg/L	8900	13600	29400	1 U	251
Vinyl chloride	µg/L	772	980	992	1 U	11.4

	Event	**ERM Historical Groundwater Sampling Events**				
	Location	B-52	B-53	B-53	B-53	B-53
	SampleID	**B-52-8/8/2007**	**B-53-8/14/2003**	**B-53-11/17/2004**	**B-53-1/10/2005**	**B-53-2/8/2005**
	Depth (bgs)	6.75 - 12.75 ft	7 - 14 ft	7 - 14 ft	7 - 14 ft	7 - 14 ft
	Sample Date	08/08/2007	08/14/2003	11/17/2004	01/10/2005	02/08/2005
Volatile Organic Compounds						
Tetrachloroethene	µg/L	824 J	1060	609	348	632
Trichloroethene	µg/L	109 J	50	29.6	14.4	22.8
cis-1,2-Dichloroethene	µg/L	197 J	46.4	25.9	17	22.4
Vinyl chloride	µg/L	52.3 J	0.5 U	1 U	5 U	20 U

	Event	**ERM Historical Groundwater Sampling Events**				
	Location	B-53	B-53	B-53	B-54	B-54
	SampleID	**B-53-3/7/2005**	**B-53-12/14/2005**	**B-53-8/1/2007**	**B-54-8/15/2003**	**B-54-11/17/2004**
	Depth (bgs)	7 - 14 ft	7 - 14 ft	7 - 14 ft	7 - 15 ft	7 - 15 ft
	Sample Date	03/07/2005	12/14/2005	08/01/2007	08/15/2003	11/17/2004
Volatile Organic Compounds						
Tetrachloroethene	µg/L	533	242	350 J	2980	3660
Trichloroethene	µg/L	17.6	6.87	13 J	143 J	153 J
cis-1,2-Dichloroethene	µg/L	17.4	23.4	14.3 J	84 J	49.5
Vinyl chloride	µg/L	10 U	0.5 U	0.29 J	0.5 U	1 U

	Event	**ERM Historical Groundwater Sampling Events**				
	Location	B-54	B-54	B-54	B-54	B-54
	SampleID	**B-54-1/12/2005**	**B-54-2/8/2005**	**B-54-3/7/2005**	**B-54-12/14/2005**	**B-54-8/1/2007**
	Depth (bgs)	7 - 15 ft	7 - 15 ft	7 - 15 ft	7 - 15 ft	7 - 15 ft
	Sample Date	01/12/2005	02/08/2005	03/07/2005	12/14/2005	08/01/2007
Volatile Organic Compounds						
Tetrachloroethene	µg/L	140	1350	2490	1.32	753 J
Trichloroethene	µg/L	10 U	40 U	20 U	1 U	26.3 J
cis-1,2-Dichloroethene	µg/L	10 U	40 U	20 U	0.5 U	18.6 J
Vinyl chloride	µg/L	10 U	40 U	20 U	0.5 U	0.21 J

	Event	**ERM Historical Groundwater Sampling Events**				
	Location	B-55	B-55	B-55	B-55	B-56
	SampleID	**B-55-8/15/2003**	**B-55-11/17/2004**	**B-55-12/14/2005**	**B-55-8/1/2007**	**B-56-8/15/2003**
	Depth (bgs)	7 - 16 ft	7 - 16 ft	7 - 16 ft	7 - 16 ft	7 - 17 ft
	Sample Date	08/15/2003	11/17/2004	12/14/2005	08/01/2007	08/15/2003
Volatile Organic Compounds						
Tetrachloroethene	µg/L	418	880	415	151 J	218
Trichloroethene	µg/L	26.7	58.4	10 U	6.78 J	11.9 J
cis-1,2-Dichloroethene	µg/L	24.7 J	52.8	5 U	9.54 J	14
Vinyl chloride	µg/L	0.5 U	1 U	5 U	0.2 UJ	0.5 U

	Event	**ERM Historical Groundwater Sampling Events**				
	Location	B-56	B-56	B-57	B-57	B-57
	SampleID	**B-56-11/17/2004**	**B-56-8/1/2007**	**B-57-8/15/2003**	**B-57-11/16/2004**	**B-57-12/14/2005**
	Depth (bgs)	7 - 17 ft	7 - 17 ft	7 - 18 ft	7 - 18 ft	7 - 18 ft
	Sample Date	11/17/2004	08/01/2007	08/15/2003	11/16/2004	12/14/2005
Volatile Organic Compounds						
Tetrachloroethene	µg/L	433	149 J	343	221 J	220
Trichloroethene	µg/L	22	4.87 J	18.6 J	12.7	8.7
cis-1,2-Dichloroethene	µg/L	14.3	5.05 J	13.5	11.6	6.64
Vinyl chloride	µg/L	1 U	0.2 UJ	0.5 U	1.1	0.5 U

	Event	ERM Historical Groundwater Sampling Events				
	Location	B-57	B-58	B-58	B-58	B-58
	SampleID	**B-57-8/3/2007**	**B-58-8/19/2003**	**B-58-11/17/2004**	**B-58-1/11/2005**	**B-58-2/10/2005**
	Depth (bgs)	7 - 18 ft	7 - 12 ft	7 - 12 ft	7 - 12 ft	7 - 12 ft
	Sample Date	08/03/2007	08/19/2003	11/17/2004	01/11/2005	02/10/2005
Volatile Organic Compounds						
Tetrachloroethene	µg/L	132	4230	1310 J	5520	5680
Trichloroethene	µg/L	5.32	2820	948 J	1810	2120
cis-1,2-Dichloroethene	µg/L	4.3	14400	10100	7510	4650
Vinyl chloride	µg/L	0.2 U	238	869 J	1100	597
Semivolatile Organic Compounds						
Pentachlorophenol	µg/L		2.12			

	Event	ERM Historical Groundwater Sampling Events				
	Location	B-58	B-58	B-58	B-58	B-58
	SampleID	**B-58-3/8/2005**	**B-58-8/16/2005**	**B-58-12/14/2005**	**B-58-2/16/2006**	**B-58-12/6/2006**
	Depth (bgs)	7 - 12 ft	7 - 12 ft	7 - 12 ft	7 - 12 ft	7 - 12 ft
	Sample Date	03/08/2005	08/16/2005	12/14/2005	02/16/2006	12/06/2006
Volatile Organic Compounds						
Tetrachloroethene	µg/L	6940	3340	11700	1730	829
Trichloroethene	µg/L	2040	683	4780	341	14.1
cis-1,2-Dichloroethene	µg/L	5960	3490	4190	638	2 U
Vinyl chloride	µg/L	736	993	500	36.4	2 U
Semivolatile Organic Compounds						
Pentachlorophenol	µg/L			14.5		

	Event	ERM Historical Groundwater Sampling Events				
	Location	B-58	B-59	B-59	B-59	B-59
	SampleID	**B-58-8/9/2007**	**B-59-8/19/2003**	**B-59-12/14/2005**	**B-59-12/6/2006**	**B-59-8/9/2007**
	Depth (bgs)	7 - 12 ft	25 - 30 ft	25 - 30 ft	25 - 30 ft	25 - 30 ft
	Sample Date	08/09/2007	08/19/2003	12/14/2005	12/06/2006	08/09/2007
Volatile Organic Compounds						
Tetrachloroethene	µg/L	2360	6.25	40 U	9.8	0.84
Trichloroethene	µg/L	8 U	5.13	40 U	4 U	1.92
cis-1,2-Dichloroethene	µg/L	8 U	294	462	1110	225
Vinyl chloride	µg/L	8 U	67.4	858	1430	179
Semivolatile Organic Compounds						
Pentachlorophenol	µg/L		1.32			

	Event	**ERM Historical Groundwater Sampling Events**				
	Location	B-60	B-60	B-60	B-60	B-60
	SampleID	**B-60-8/19/2003**	**B-60-12/11/2003**	**B-60-1/27/2004**	**B-60-2/26/2004**	**B-60-3/27/2004**
	Depth (bgs)	7 - 12 ft	7 - 12 ft	7 - 12 ft	7 - 12 ft	7 - 12 ft
	Sample Date	08/19/2003	12/11/2003	01/27/2004	02/26/2004	03/27/2004
Volatile Organic Compounds						
Tetrachloroethene	µg/L	515	9100	20700	17300	10400
Trichloroethene	µg/L	49.7	1360	9680	2820	1880
cis-1,2-Dichloroethene	µg/L	26.1	2180	7100	3150	2200
Vinyl chloride	µg/L	1.81	50 U	250 U	200 U	100 U
Semivolatile Organic Compounds						
Pentachlorophenol	µg/L	0.5 U				

	Event	**ERM Historical Groundwater Sampling Events**				
	Location	B-60	B-60	B-60	B-60	B-60
	SampleID	**B-60-4/26/2004**	**B-60-1/11/2005**	**B-60-2/10/2005**	**B-60-3/8/2005**	**B-60-8/16/2005**
	Depth (bgs)	7 - 12 ft	7 - 12 ft	7 - 12 ft	7 - 12 ft	7 - 12 ft
	Sample Date	04/26/2004	01/11/2005	02/10/2005	03/08/2005	08/16/2005
Volatile Organic Compounds						
Tetrachloroethene	µg/L	8970	19400	9660 J	4350	847
Trichloroethene	µg/L	1190	6160	3050	1190	91.2
cis-1,2-Dichloroethene	µg/L	1700	8030	8080 J	6590	83.6
Vinyl chloride	µg/L	200 U	381	1550	2350	0.8

	Event	ERM Historical Groundwater Sampling Events				
	Location	B-60	B-60	B-60	B-60	B-60
	SampleID	**B-60-12/13/2005**	**B-60-2/16/2006**	**B-60-7/13/2006**	**B-60-12/6/2006**	**B-60-8/6/2007**
	Depth (bgs)	7 - 12 ft	7 - 12 ft	7 - 12 ft	7 - 12 ft	7 - 12 ft
	Sample Date	12/13/2005	02/16/2006	07/13/2006	12/06/2006	08/06/2007
Volatile Organic Compounds						
Tetrachloroethene	µg/L	1310	1870	1740	2670	865 JB
Trichloroethene	µg/L	252	512	170	254	63.3 J
cis-1,2-Dichloroethene	µg/L	717	4160	191	345	37 J
Vinyl chloride	µg/L	202	3390	0.2 U	38.8	0.2 UJ
Semivolatile Organic Compounds						
Pentachlorophenol	µg/L					0.476 U
Dissolved Metals						
Manganese	mg/L				0.01 U	

	Event	**ERM Historical Groundwater Sampling Events**				
	Location	B-61	B-61	B-61	B-61	B-61
	SampleID	**B-61-8/19/2003**	**B-61-12/11/2003**	**B-61-1/27/2004**	**B-61-2/26/2004**	**B-61-3/27/2004**
	Depth (bgs)	39 - 44 ft	39 - 44 ft	39 - 44 ft	39 - 44 ft	39 - 44 ft
	Sample Date	08/19/2003	12/11/2003	01/27/2004	02/26/2004	03/27/2004
Volatile Organic Compounds						
Tetrachloroethene	µg/L	1 U	200 U	400 U	250 U	200 U
Trichloroethene	µg/L	942	460	972	1700	1110
cis-1,2-Dichloroethene	µg/L	14900	9580	11900	15800	9310
Vinyl chloride	µg/L	1630	1110	1440	1960	538
Semivolatile Organic Compounds						
Pentachlorophenol	µg/L	0.5 U				

	Event	**ERM Historical Groundwater Sampling Events**				
	Location	B-61	B-61	B-61	B-61	B-61
	SampleID	**B-61-4/26/2004**	**B-61-5/28/2004**	**B-61-1/11/2005**	**B-61-2/10/2005**	**B-61-3/8/2005**
	Depth (bgs)	39 - 44 ft	39 - 44 ft	39 - 44 ft	39 - 44 ft	39 - 44 ft
	Sample Date	04/26/2004	05/28/2004	01/11/2005	02/10/2005	03/08/2005
Volatile Organic Compounds						
Tetrachloroethene	µg/L	200 U	1.75	100 U	200 U	200 U
Trichloroethene	µg/L	982	460	347	414	248
cis-1,2-Dichloroethene	µg/L	9740	1340	8140	8660	7420
Vinyl chloride	µg/L	742	8.13	2130	1520	1720

	Event	**ERM Historical Groundwater Sampling Events**				
	Location	B-61	B-61	B-61	B-62	B-62
	SampleID	**B-61-12/13/2005**	**B-61-12/6/2006**	**B-61-8/9/2007**	**B-62-8/18/2003**	**B-62-8/16/2005**
	Depth (bgs)	39 - 44 ft	39 - 44 ft	39 - 44 ft	8 - 13 ft	8 - 13 ft
	Sample Date	12/13/2005	12/06/2006	08/09/2007	08/18/2003	08/16/2005
Volatile Organic Compounds						
Tetrachloroethene	µg/L	200 U	8 U	8.4 JB	1140	613
Trichloroethene	µg/L	200 U	14.4	8 U	565	193
cis-1,2-Dichloroethene	µg/L	5830	3630	3210	342	526
Vinyl chloride	µg/L	796	1170	1900	142	204
Semivolatile Organic Compounds						
Pentachlorophenol	µg/L				4.92	
Dissolved Metals						
Manganese	mg/L		2.02			

	Event	**ERM Historical Groundwater Sampling Events**				
	Location	B-62	B-62	B-62	B-63	B-63
	SampleID	**B-62-12/13/2005**	**B-62-12/6/2006**	**B-62-8/6/2007**	**B-63-8/18/2003**	**B-63-12/13/2005**
	Depth (bgs)	8 - 13 ft	8 - 13 ft	8 - 13 ft	39 - 44 ft	39 - 44 ft
	Sample Date	12/13/2005	12/06/2006	08/06/2007	08/18/2003	12/13/2005
Volatile Organic Compounds						
Tetrachloroethene	µg/L	619	178	136 JB	1 U	1 U
Trichloroethene	µg/L	178	36.2 J	29.1 J	1.58	1 U
cis-1,2-Dichloroethene	µg/L	623	32.4 J	52.7 J	206	59.4
Vinyl chloride	µg/L	358	16.8 J	0.93 J	721	355
Semivolatile Organic Compounds						
Pentachlorophenol	µg/L			0.476 U	0.5 U	

	Event	ERM Historical Groundwater Sampling Events				
	Location	B-63	B-63	B-64	B-64	B-64
	SampleID	**B-63-12/6/2006**	**B-63-8/6/2007**	**B-64-8/18/2003**	**B-64-11/16/2004**	**B-64-3/7/2005**
	Depth (bgs)	39 - 44 ft	39 - 44 ft	7 - 12 ft	7 - 12 ft	7 - 12 ft
	Sample Date	12/06/2006	08/06/2007	08/18/2003	11/16/2004	03/07/2005
Volatile Organic Compounds						
Tetrachloroethene	µg/L	0.2 U	0.52 UJ	254	154	300
Trichloroethene	µg/L	0.49	1.02 J	125	66.8	164
cis-1,2-Dichloroethene	µg/L	23.7	1350 J	209	130	401
Vinyl chloride	µg/L	371	1320 J	5 U	4 U	10 U
Semivolatile Organic Compounds						
Pentachlorophenol	µg/L			0.5 U		

	Event	ERM Historical Groundwater Sampling Events				
	Location	B-64	B-64	B-64	B-65	B-65
	SampleID	**B-64-12/12/2005**	**B-64-12/6/2006**	**B-64-8/2/2007**	**B-65-8/18/2003**	**B-65-11/16/2004**
	Depth (bgs)	7 - 12 ft	7 - 12 ft	7 - 12 ft	30 - 35 ft	30 - 35 ft
	Sample Date	12/12/2005	12/06/2006	08/02/2007	08/18/2003	11/16/2004
Volatile Organic Compounds						
Tetrachloroethene	µg/L	348	49.3 J	143	1 U	2.84
Trichloroethene	µg/L	115	9.02 J	50.6	1 U	1 U
cis-1,2-Dichloroethene	µg/L	868	18.9 J	78.7	33400	21600 J
Vinyl chloride	µg/L	10 U	1 UJ	0.22	8160	7570 J
Semivolatile Organic Compounds						
Pentachlorophenol	µg/L			0.472 U	0.5 U	

	Event	**ERM Historical Groundwater Sampling Events**				
	Location	B-65	B-65	B-65	B-65	B-66
	SampleID	**B-65-3/7/2005**	**B-65-12/13/2005**	**B-65-12/6/2006**	**B-65-8/2/2007**	**A-7-2/8/2005**
	Depth (bgs)	30 - 35 ft	30 - 35 ft	30 - 35 ft	30 - 35 ft	7 - 17 ft
	Sample Date	03/07/2005	12/13/2005	12/06/2006	08/02/2007	02/08/2005
Volatile Organic Compounds						
Tetrachloroethene	µg/L	100 U	200 U	400 UJ	1.14	10 U
Trichloroethene	µg/L	100 U	200 U	400 UJ	0.79	10 U
cis-1,2-Dichloroethene	µg/L	17200	12400	18100 J	28200	10 U
Vinyl chloride	µg/L	6300	6210	8270 J	7460	10 U

	Event	**ERM Historical Groundwater Sampling Events**				
	Location	B-66	B-67	B-67	B-67	B-70
	SampleID	**A-7-8/7/2007**	**A-5-8/17/2005**	**A-5-12/15/2005**	**A-5-8/7/2007**	**A-4-2/8/2005**
	Depth (bgs)	7 - 17 ft	8.5 - 18.5 ft	8.5 - 18.5 ft	8.5 - 18.5 ft	8 - 18 ft
	Sample Date	08/07/2007	08/17/2005	12/15/2005	08/07/2007	02/08/2005
Volatile Organic Compounds						
Tetrachloroethene	µg/L	423 JB	1190	658	381	153
Trichloroethene	µg/L	14.9 J	37.6	25.8	16.6	28.1
cis-1,2-Dichloroethene	µg/L	6.43 J	9.8	12.4	8.7	4.8
Vinyl chloride	µg/L	0.53 J	2 U	10 U	1 U	4 U

	Event	ERM Historical Groundwater Sampling Events				
	Location	B-71	B-71	B-72	B-72	B-74
	SampleID	**A-8-12/19/2005**	**A-8-8/7/2007**	**A-3-12/15/2005**	**A-3-8/7/2007**	**A-2-2/8/2005**
	Depth (bgs)	7 - 17 ft	7 - 17 ft	5.5 - 15.5 ft	5.5 - 15.5 ft	6 - 16 ft
	Sample Date	12/19/2005	08/07/2007	12/15/2005	08/07/2007	02/08/2005
Volatile Organic Compounds						
Tetrachloroethene	µg/L	266		240	166	680
Trichloroethene	µg/L	108		45.6	12.4	943
cis-1,2-Dichloroethene	µg/L	80.3		17.9	4.69	2970
Vinyl chloride	µg/L	2.95		5 U	0.2 U	4130
Semivolatile Organic Compounds						
Pentachlorophenol	µg/L	10.7	34.5			

	Event	**ERM Historical Groundwater Sampling Events**				
	Location	B-74	B-76	B-76	B-76	B-76
	SampleID	**A-2-8/7/2007**	**A-1-8/17/2005**	**A-1-12/19/2005**	**A-1-12/7/2006**	**A-1-8/7/2007**
	Depth (bgs)	6 - 16 ft	5.5 - 15.5 ft	5.5 - 15.5 ft	5.5 - 15.5 ft	5.5 - 15.5 ft
	Sample Date	08/07/2007	08/17/2005	12/19/2005	12/07/2006	08/07/2007
Volatile Organic Compounds						
Tetrachloroethene	µg/L	158	10 U	250	100 UJ	70.7
Trichloroethene	µg/L	110	10 U	80.4	100 UJ	22.2
cis-1,2-Dichloroethene	µg/L	80.2	10 U	1300	100 UJ	28.8
Vinyl chloride	µg/L	26.1	10 U	1050	100 UJ	16.8

	Event	**ERM Historical Groundwater Sampling Events**				
	Location	MW-02	MW-02	MW-03	MW-03	MW-03
	SampleID	**MW-2-10/31/2003 2:50:00 PM**	**MW-2-8/2/2007**	**MW-3-11/3/2003**	**MW-3-11/16/2004**	**MW-3-2/7/2005**
	Depth (bgs)	20 - 40 ft	20 - 40 ft	4 - 14 ft	4 - 14 ft	4 - 14 ft
	Sample Date	10/31/2003	08/02/2007	11/03/2003	11/16/2004	02/07/2005
Volatile Organic Compounds						
Tetrachloroethene	µg/L	42.4	13.9	4790 J	1340	3310
Trichloroethene	µg/L	193	27.8	1380 J	325	1020
cis-1,2-Dichloroethene	µg/L	956	509	2380 J	2120	4830
Vinyl chloride	µg/L	49	132	316 J	387	833
Semivolatile Organic Compounds						
Pentachlorophenol	µg/L			9.94 J		

	Event	**ERM Historical Groundwater Sampling Events**				
	Location	MW-03	MW-03	MW-03	MW-03	MW-03
	SampleID	**MW-3-3/7/2005**	**MW-3-12/12/2005**	**MW-3-2/16/2006**	**MW-3-12/7/2006**	**MW-3-8/2/2007**
	Depth (bgs)	4 - 14 ft	4 - 14 ft	4 - 14 ft	4 - 14 ft	4 - 14 ft
	Sample Date	03/07/2005	12/12/2005	02/16/2006	12/07/2006	08/02/2007
Volatile Organic Compounds						
Tetrachloroethene	µg/L	2190	1050	659	375 J	1440
Trichloroethene	µg/L	592	584	406	75 J	280
cis-1,2-Dichloroethene	µg/L	5930	1110	948	414 J	306
Vinyl chloride	µg/L	1540	504	225	166 J	76.7
Semivolatile Organic Compounds						
Pentachlorophenol	µg/L					3.19
Dissolved Metals						
Manganese	mg/L				0.0203	

	Event	**ERM Historical Groundwater Sampling Events**				
	Location	MW-04	MW-04	MW-04	MW-04	MW-04
	SampleID	**MW-4-10/31/2003**	**MW-4-11/16/2004**	**MW-4-2/7/2005**	**MW-4-3/7/2005**	**MW-4-12/12/2005**
	Depth (bgs)	20 - 40 ft	20 - 40 ft	20 - 40 ft	20 - 40 ft	20 - 40 ft
	Sample Date	10/31/2003	11/16/2004	02/07/2005	03/07/2005	12/12/2005
Volatile Organic Compounds						
Tetrachloroethene	µg/L	1 U	1 U	200 U	10 U	100 U
Trichloroethene	µg/L	984	160 J	340	274	100 U
cis-1,2-Dichloroethene	µg/L	13900	7000 J	8500	5900	2610
Vinyl chloride	µg/L	7310	5080 J	7610	4470	3300

	Event	**ERM Historical Groundwater Sampling Events**				
	Location	MW-04	MW-04	MW-05	MW-05	MW-05
	SampleID	**MW-4-12/7/2006**	**MW-4-8/2/2007**	**MW-5-11/3/2003**	**MW-5-12/12/2005**	**MW-5-12/7/2006**
	Depth (bgs)	20 - 40 ft	20 - 40 ft	5 - 10 ft	5 - 10 ft	5 - 10 ft
	Sample Date	12/07/2006	08/02/2007	11/03/2003	12/12/2005	12/07/2006
Volatile Organic Compounds						
Tetrachloroethene	µg/L	100 UJ	3.9	1 U	4.48	2.51 J
Trichloroethene	µg/L	100 UJ	1.75	1 U	1.15	1 UJ
cis-1,2-Dichloroethene	µg/L	6460 J	5980	1 U	1.07	1.37 J
Vinyl chloride	µg/L	4500 J	3420	0.5 U	0.5 U	1 UJ
Dissolved Metals						
Manganese	mg/L	1.02				

	Event	**ERM Historical Groundwater Sampling Events**				
	Location	MW-05	MW-06	MW-06	MW-06	MW-06
	SampleID	**MW-5-8/2/2007**	**MW-6-10/31/2003**	**MW-6-12/12/2005**	**MW-6-12/7/2006**	**MW-6-8/2/2007**
	Depth (bgs)	5 - 10 ft	20 - 40 ft	20 - 40 ft	20 - 40 ft	20 - 40 ft
	Sample Date	08/02/2007	10/31/2003	12/12/2005	12/07/2006	08/02/2007
Volatile Organic Compounds						
Tetrachloroethene	µg/L	7	314	44.3	125 J	332
Trichloroethene	µg/L	3.03	315	29	84.9 J	314
cis-1,2-Dichloroethene	µg/L	5.65	358	55.7	184 J	386
Vinyl chloride	µg/L	0.2 U	2.84	0.5 U	2 UJ	1.71
Semivolatile Organic Compounds						
Pentachlorophenol	µg/L	0.472 U				

	Event	**ERM Historical Groundwater Sampling Events**				
	Location	MW-07	MW-07	MW-07	MW-07	MW-07
	SampleID	**MW-7-12/12/2003**	**MW-7-2/7/2005**	**MW-7-8/16/2005**	**MW-7-12/15/2005**	**MW-7-12/4/2006**
	Depth (bgs)	4 - 14 ft	4 - 14 ft	4 - 14 ft	4 - 14 ft	4 - 14 ft
	Sample Date	12/12/2003	02/07/2005	08/16/2005	12/15/2005	12/04/2006
Volatile Organic Compounds						
Tetrachloroethene	µg/L	3370	2220	1290	581	257
Trichloroethene	µg/L	544	336	125	68.6	22.8
cis-1,2-Dichloroethene	µg/L	266	100 U	18.4	50	12.8
Vinyl chloride	µg/L	38.6	100 U	2.5 U	17	12.4
Semivolatile Organic Compounds						
Pentachlorophenol	µg/L	2.38				

	Event	**ERM Historical Groundwater Sampling Events**				
	Location	MW-07	MW-08	MW-08	MW-08	MW-08
	SampleID	**MW-7-8/7/2007**	**MW-8-12/12/2003**	**MW-8-2/7/2005**	**MW-8-12/15/2005**	**MW-8-8/7/2007**
	Depth (bgs)	4 - 14 ft	20 - 30 ft	20 - 30 ft	20 - 30 ft	20 - 30 ft
	Sample Date	08/07/2007	12/12/2003	02/07/2005	12/15/2005	08/07/2007
Volatile Organic Compounds						
Tetrachloroethene	µg/L	160 JB	668	460	253	17.1
Trichloroethene	µg/L	20	548	185	269	96.1
cis-1,2-Dichloroethene	µg/L	7.62	65.2	23.2	31.6	325
Vinyl chloride	µg/L	10.3	30	10 U	3.93	375
Semivolatile Organic Compounds						
Pentachlorophenol	µg/L	3.35	1.73			

	Event	**ERM Historical Groundwater Sampling Events**				
	Location	MW-09	MW-09	MW-09	MW-09	MW-10
	SampleID	**MW-9-8/17/2005**	**MW-9-12/16/2005**	**MW-9-12/4/2006**	**MW-9-8/7/2007**	**MW-10-12/16/2005**
	Depth (bgs)	8 - 13 ft	8 - 13 ft	8 - 13 ft	8 - 13 ft	20 - 30 ft
	Sample Date	08/17/2005	12/16/2005	12/04/2006	08/07/2007	12/16/2005
Volatile Organic Compounds						
Tetrachloroethene	µg/L	10 U	450	9.2	866 JB	20 U
Trichloroethene	µg/L	10 U	232	8 U	224 J	20 U
cis-1,2-Dichloroethene	µg/L	10 U	111	8 U	90.4 J	165
Vinyl chloride	µg/L	5 U	3.53	8 U	2.97 J	669
Semivolatile Organic Compounds						
Pentachlorophenol	µg/L				2.97	

	Event	**ERM Historical Groundwater Sampling Events**				
	Location	MW-10	MW-10	NW 1-1	NW 1-1	NW 1-1
	SampleID	**MW-10-12/4/2006**	**MW-10-8/7/2007**	**NW1-1-11/18/2004**	**NW1-1-1/12/2005**	**NW1-1-2/8/2005**
	Depth (bgs)	20 - 30 ft	20 - 30 ft	8 - 13 ft	8 - 13 ft	8 - 13 ft
	Sample Date	12/04/2006	08/07/2007	11/18/2004	01/12/2005	02/08/2005
Volatile Organic Compounds						
Tetrachloroethene	µg/L	0.31	4.23 UJ	2500 JB	4620	1470
Trichloroethene	µg/L	1.25	5.6 JB	127	160	62.8
cis-1,2-Dichloroethene	µg/L	10400	46600 J	61.6	100 U	40 U
Vinyl chloride	µg/L	12200	6260 J	5 U	100 U	40 U

	Event	**ERM Historical Groundwater Sampling Events**				
	Location	NW 1-1	NW 1-1	NW 1-1	NW 1-2	NW 1-2
	SampleID	**NW1-1-3/7/2005**	**NW1-1-12/14/2005**	**NW1-1-8/2/2007**	**NW1-2-11/17/2004**	**NW1-2-1/12/2005**
	Depth (bgs)	8 - 13 ft	8 - 13 ft	8 - 13 ft	8 - 13 ft	8 - 13 ft
	Sample Date	03/07/2005	12/14/2005	08/02/2007	11/17/2004	01/12/2005
Volatile Organic Compounds						
Tetrachloroethene	µg/L	1730	1060	1280	2860	100 U
Trichloroethene	µg/L	60.2	20 U	45	184 J	100 U
cis-1,2-Dichloroethene	µg/L	20 U	10 U	15.1	87 J	100 U
Vinyl chloride	µg/L	20 U	10 U	0.2 U	1 U	100 U

	Event	**ERM Historical Groundwater Sampling Events**				
	Location	NW 1-2	NW 1-2	NW 1-2	NW 1-2	NW 2-1
	SampleID	**NW1-2-2/8/2005**	**NW1-2-3/8/2005**	**NW1-2-12/14/2005**	**NW1-2-8/3/2007**	**NW2-1-11/18/2004**
	Depth (bgs)	8 - 13 ft	8 - 13 ft	8 - 13 ft	8 - 13 ft	25 - 30 ft
	Sample Date	02/08/2005	03/08/2005	12/14/2005	08/03/2007	11/18/2004
Volatile Organic Compounds						
Tetrachloroethene	µg/L	1 U	2650	5 U	1640	1 UJ
Trichloroethene	µg/L	1 U	78.2	5 U	53.5	1 UJ
cis-1,2-Dichloroethene	µg/L	1 U	22.8	2.5 U	30.9	1 UJ
Vinyl chloride	µg/L	1 U	20 U	2.5 U	0.42	1 UJ

	Event	**ERM Historical Groundwater Sampling Events**				
	Location	NW 2-1	NW 2-1	NW 2-1	NW 2-1	NW 2-2
	SampleID	**NW2-1-1/12/2005**	**NW2-1-2/8/2005**	**NW2-1-3/7/2005**	**NW2-1-8/2/2007**	**NW2-2-11/17/2004**
	Depth (bgs)	25 - 30 ft	25 - 30 ft	25 - 30 ft	25 - 30 ft	25 - 30 ft
	Sample Date	01/12/2005	02/08/2005	03/07/2005	08/02/2007	11/17/2004
Volatile Organic Compounds						
Tetrachloroethene	µg/L	1 U	1 U	1 U	0.2 U	1.58
Trichloroethene	µg/L	1 U	1 U	1 U	0.2 U	1 U
cis-1,2-Dichloroethene	µg/L	1 U	1 U	1 U	0.2 U	1 U
Vinyl chloride	µg/L	1 U	1 U	1 U	0.2 U	1

	Event	**ERM Historical Groundwater Sampling Events**				
	Location	NW 2-2	NW 2-2	NW 2-2	NW 2-2	PTM-1L
	SampleID	**NW2-2-1/12/2005**	**NW2-2-2/8/2005**	**NW2-2-3/8/2005**	**NW2-2-8/3/2007**	**PTM-1L-12/9/2003**
	Depth (bgs)	25 - 30 ft	25 - 30 ft	25 - 30 ft	25 - 30 ft	45 - 55 ft
	Sample Date	01/12/2005	02/08/2005	03/08/2005	08/03/2007	12/09/2003
Volatile Organic Compounds						
Tetrachloroethene	µg/L	1 U	1 U	1 U	1.89	419
Trichloroethene	µg/L	1 U	1 U	1 U	0.49	4090
cis-1,2-Dichloroethene	µg/L	1 U	1 U	1 U	0.91	1240
Vinyl chloride	µg/L	1 U	1 U	1 U	0.2 U	46.8

	Event	**ERM Historical Groundwater Sampling Events**				
	Location	PTM-1L	PTM-1L	PTM-1L	PTM-1L	PTM-1L
	SampleID	**PTM-1L-1/28/2004**	**PTM-1L-2/26/2004**	**PTM-1L-3/27/2004**	**PTM-1L-4/26/2004**	**PTM-1L-5/28/2004**
	Depth (bgs)	45 - 55 ft	45 - 55 ft	45 - 55 ft	45 - 55 ft	45 - 55 ft
	Sample Date	01/28/2004	02/26/2004	03/27/2004	04/26/2004	05/28/2004
Volatile Organic Compounds						
Tetrachloroethene	µg/L	50 U	7.3	50 U	40 U	20.2
Trichloroethene	µg/L	1340	828	1170	1300	1360
cis-1,2-Dichloroethene	µg/L	1940	1260	1560	1630	1540
Vinyl chloride	µg/L	25 U	15.4	25 U	20 U	18

	Event	**ERM Historical Groundwater Sampling Events**				
	Location	PTM-1L	PTM-1L	PTM-1L	PTM-1L	PTM-1U
	SampleID	**PTM-1L-1/12/2005**	**PTM-1L-2/9/2005**	**PTM-1L-3/8/2005**	**PTM-1L-8/8/2007**	**PTM-1U-12/9/2003**
	Depth (bgs)	45 - 55 ft	45 - 55 ft	45 - 55 ft	45 - 55 ft	20 - 30 ft
	Sample Date	01/12/2005	02/09/2005	03/08/2005	08/08/2007	12/09/2003
Volatile Organic Compounds						
Tetrachloroethene	µg/L	100 U	100 U	40 U	2.57	40 U
Trichloroethene	µg/L	286	1140	1340	0.2 U	125
cis-1,2-Dichloroethene	µg/L	2150	2260	1750	0.2 U	6850
Vinyl chloride	µg/L	100 U	100 U	51.2	0.2 U	2760
Semivolatile Organic Compounds						
Pentachlorophenol	µg/L					0.5 U

	Event	**ERM Historical Groundwater Sampling Events**				
	Location	PTM-1U	PTM-1U	PTM-1U	PTM-1U	PTM-1U
	SampleID	**PTM-1U-1/28/2004**	**PTM-1U-2/26/2004**	**PTM-1U-3/27/2004**	**PTM-1U-4/26/2004**	**PTM-1U-5/28/2004**
	Depth (bgs)	20 - 30 ft	20 - 30 ft	20 - 30 ft	20 - 30 ft	20 - 30 ft
	Sample Date	01/28/2004	02/26/2004	03/27/2004	04/26/2004	05/28/2004
Volatile Organic Compounds						
Tetrachloroethene	µg/L	100 U	100 U	200	400 U	100 U
Trichloroethene	µg/L	137	323	122	400 U	100 U
cis-1,2-Dichloroethene	µg/L	4640	4670	5580	14500	8830
Vinyl chloride	µg/L	488	688	1400	3640	1960

	Event	**ERM Historical Groundwater Sampling Events**				
	Location	PTM-1U	PTM-1U	PTM-1U	PTM-1U	PTM-1U
	SampleID	**PTM-1U-1/12/2005**	**PTM-1U-2/9/2005**	**PTM-1U-3/8/2005**	**PTM-1U-12/16/2005**	**PTM-1U-12/4/2006**
	Depth (bgs)	20 - 30 ft	20 - 30 ft	20 - 30 ft	20 - 30 ft	20 - 30 ft
	Sample Date	01/12/2005	02/09/2005	03/08/2005	12/16/2005	12/04/2006
Volatile Organic Compounds						
Tetrachloroethene	µg/L	1000 U	100 U	40 U	100 U	2.04
Trichloroethene	µg/L	1000 U	924	845	100 U	39.3
cis-1,2-Dichloroethene	µg/L	31600	60000 J	33400	15800	1440
Vinyl chloride	µg/L	2250	6440 J	2940	4420	6060
Dissolved Metals						
Manganese	mg/L					3.28

	Event	**ERM Historical Groundwater Sampling Events**				
	Location	PTM-1U	PTM-2L	PTM-2L	PTM-2L	PTM-2L
	SampleID	**PTM-1U-8/8/2007**	**PTM-2L-12/9/2003**	**PTM-2L-1/28/2004**	**PTM-2L-2/26/2004**	**PTM-2L-3/27/2004**
	Depth (bgs)	20 - 30 ft	38 - 48 ft	38 - 48 ft	38 - 48 ft	38 - 48 ft
	Sample Date	08/08/2007	12/09/2003	01/28/2004	02/26/2004	03/27/2004
Volatile Organic Compounds						
Tetrachloroethene	µg/L	2.1 U	90.4	100 U	50 U	100 U
Trichloroethene	µg/L	55 JB	736	496	290	450
cis-1,2-Dichloroethene	µg/L	1000	3490	3780	2730	3250
Vinyl chloride	µg/L	315	1540	743	672	689

	Event	**ERM Historical Groundwater Sampling Events**				
	Location	PTM-2L	PTM-2L	PTM-2L	PTM-2L	PTM-2L
	SampleID	**PTM-2L-4/26/2004**	**PTM-2L-5/28/2004**	**PTM-2L-2/16/2006**	**PTM-2L-12/4/2006**	**PTM-2L-8/9/2007**
	Depth (bgs)	38 - 48 ft	38 - 48 ft	38 - 48 ft	38 - 48 ft	38 - 48 ft
	Sample Date	04/26/2004	05/28/2004	02/16/2006	12/04/2006	08/09/2007
Volatile Organic Compounds						
Tetrachloroethene	µg/L	100 U	500 U	10 U	4.02	99.3
Trichloroethene	µg/L	983	500 U	10 U	5.6	15.4
cis-1,2-Dichloroethene	µg/L	4140	9060	974	220	879
Vinyl chloride	µg/L	386	13500	463	131	455

	Event	**ERM Historical Groundwater Sampling Events**				
	Location	PTM-2U	PTM-2U	PTM-2U	PTM-2U	PTM-2U
	SampleID	**PTM-2U-12/9/2003**	**PTM-2U-1/28/2004**	**PTM-2U-2/26/2004**	**PTM-2U-3/27/2004**	**PTM-2U-4/26/2004**
	Depth (bgs)	20 - 30 ft	20 - 30 ft	20 - 30 ft	20 - 30 ft	20 - 30 ft
	Sample Date	12/09/2003	01/28/2004	02/26/2004	03/27/2004	04/26/2004
Volatile Organic Compounds						
Tetrachloroethene	µg/L	2.15	250 U	100 U	200 U	500 U
Trichloroethene	µg/L	6.14	250 U	100 U	200 U	500 U
cis-1,2-Dichloroethene	µg/L	15200	12100	1870	1610	10200
Vinyl chloride	µg/L	13100	12000	4710	10700	15500

	Event	**ERM Historical Groundwater Sampling Events**				
	Location	PTM-2U	PTM-2U	PTM-2U	PTM-2U	
	SampleID	**PTM-2U-5/28/2004**	**PTM-2U-2/16/2006**	**PTM-2U-12/4/2006**	**PTM-2U-8/9/2007**	
	Depth (bgs)	20 - 30 ft	20 - 30 ft	20 - 30 ft	20 - 30 ft	
	Sample Date	05/28/2004	02/16/2006	12/04/2006	08/09/2007	
Volatile Organic Compounds						
Tetrachloroethene	µg/L	100 U	100 U	0.27	20 U	
Trichloroethene	µg/L	954	100 U	0.49	20 U	
cis-1,2-Dichloroethene	µg/L	3000	7980	12500	4290	
Vinyl chloride	µg/L	578	7810	17900	15600	

	Event	Whitehead Sampling (August 2000)				
	Location	B-18	B-60	WH-1	WH-2	WH-4
	SampleID	**B-18**	**B-60**	**WH-1**	**WH-2**	**WH-4**
	Depth (bgs)	6 - 16 ft	7 - 12 ft	7 - 12 ft	7.5 - 12.5 ft	8 - 13 ft
	Sample Date	08/11/2000	08/10/2000	08/10/2000	08/10/2000	08/10/2000
Volatile Organic Compounds						
Tetrachloroethene	µg/L	100	5900	1700	5900	13000
Trichloroethene	µg/L	100	380	500	3200	5300
cis-1,2-Dichloroethene	µg/L	3500	300	1600	2500	1100
trans-1,2-Dichloroethene	µg/L	100	100 U	100 U	100 U	100 U
1,1-Dichloroethene	µg/L	100	100 U	100 U	100 U	100 U
Vinyl chloride	µg/L	2600	100 U	100 U	100 U	110
1,1,1,2-Tetrachloroethane	µg/L	100	100 U	100 U	100 U	100 U
1,1,1-Trichloroethane	µg/L	100	100 U	100 U	170	340
1,1,2,2-Tetrachloroethane	µg/L	100	100 U	100 U	100 U	100 U
1,1,2-Trichloroethane	µg/L	100	100 U	100 U	100 U	100 U
1,1-Dichloroethane	µg/L	100	100 U	100 U	100 U	100 U
Chloroethane	µg/L	100	100 U	100 U	100 U	100 U
1,1-Dichloropropene	µg/L	100	100 U	100 U	100 U	100 U
1,2,3-Trichlorobenzene	µg/L	100	100 U	100 U	100 U	100 U
1,2,3-Trichloropropane	µg/L	100	100 U	100 U	100 U	100 U
1,2,4-Trichlorobenzene	µg/L	100	100 U	0.5 U	100 U	100 U
1,2-Dibromo-3-chloropropane	µg/L	500	500 U	500 U	500 U	500 U
1,2-Dibromoethane	µg/L	100	100 U	100 U	100 U	100 U
1,2-Dichlorobenzene	µg/L	0.5	1.2	0.5 U	0.5 U	100 U
1,2-Dichloroethane	µg/L	100	100 U	100 U	100 U	100 U
1,2-Dichloropropane	µg/L	100	100 U	100 U	100 U	100 U
1,3-Dichlorobenzene	µg/L	100	100 U	100 U	100 U	100 U
1,3-Dichloropropane	µg/L	100	100 U	100 U	100 U	100 U
1,4-Dichlorobenzene	µg/L	0.5	0.52	0.5 U	0.5 U	100 U
2,2-Dichloropropane	µg/L	100	100 U	100 U	100 U	100 U
2-Chloroethyl vinyl ether	µg/L	500	500 U	500 U	500 U	500 U
2-Chlorotoluene	µg/L	100	100 U	100 U	100 U	100 U
4-Chlorotoluene	µg/L	100	100 U	100 U	100 U	100 U
Acetone	µg/L	500	500 U	500 U	500 U	500 U
Bromobenzene	µg/L	100	100 U	100 U	100 U	100 U
Bromodichloromethane	µg/L	100	100 U	100 U	100 U	100 U
Bromoform	µg/L	100	100 U	100 U	100 U	100 U
Bromomethane	µg/L	100	100 U	100 U	100 U	100 U
Carbon disulfide	µg/L	100	100 U	100 U	100 U	100 U
Carbon tetrachloride	µg/L	100	100 U	100 U	100 U	100 U
Chlorobenzene	µg/L	100	100 U	100 U	100 U	100 U
Chloroform	µg/L	100	100 U	100 U	100 U	100 U
Chloromethane	µg/L	100	100 U	100 U	100 U	100 U
cis-1,3-Dichloropropene	µg/L	100	100 U	100 U	100 U	100 U
Dibromochloromethane	µg/L	100	100 U	100 U	100 U	100 U
Dibromomethane	µg/L	100	100 U	100 U	100 U	100 U
Dichlorodifluoromethane	µg/L	100	100 U	100 U	100 U	100 U
Dichloromethane	µg/L	500	500 U	500 U	500 U	500 U
Methyl ethyl ketone	µg/L	500	500 U	500 U	500 U	500 U
Methyl iso butyl ketone	µg/L	500	500 U	500 U	500 U	500 U
trans-1,3-Dichloropropene	µg/L	100	100 U	100 U	100 U	100 U
Trichlorofluoromethane	µg/L	100	100 U	100 U	100 U	100 U
Vinyl acetate	µg/L	500	500 U	500 U	500 U	500 U

	Event	Whitehead Sampling (August 2000)				
	Location	B-18	B-60	WH-1	WH-2	WH-4
	SampleID	**B-18**	**B-60**	**WH-1**	**WH-2**	**WH-4**
	Depth (bgs)	6 - 16 ft	7 - 12 ft	7 - 12 ft	7.5 - 12.5 ft	8 - 13 ft
	Sample Date	08/11/2000	08/10/2000	08/10/2000	08/10/2000	08/10/2000
Total Petroleum Hydrocarbons						
Gasoline Range Hydrocarbons	µg/L	560	4000	1800	4300	6500
BTEX						
Benzene	µg/L	100	100 U	100 U	100 U	5 U
Toluene	µg/L	29	100 U	9.9	11	100 U
Ethylbenzene	µg/L	100	5 U	5 U	100 U	5 U
Xylene (meta & para)	µg/L	200	200 U	5 U	200 U	200 U
Xylene (ortho)	µg/L	5	5 U	100 U	100 U	5 U
Xylene (total)	µg/L	310	200 U	200 U	200 U	200 U
Alkylated Benzenes						
1,3,5-Trimethylbenzene	µg/L	100	100 U	100 U	100 U	100 U
n-Propylbenzene	µg/L	100	100 U	100 U	100 U	100 U
1,2,4-Trimethylbenzene	µg/L	100	100 U	100 U	100 U	100 U
Cymene	µg/L	100	100 U	100 U	100 U	100 U
iso-Propylbenzene	µg/L	100	100 U	100 U	100 U	100 U
n-Butylbenzene	µg/L	100	100 U	100 U	100 U	100 U
sec-Butylbenzene	µg/L	100	100 U	100 U	100 U	100 U
Styrene	µg/L	100	100 U	100 U	100 U	100 U
tert-Butylbenzene	µg/L	100	100 U	100 U	100 U	100 U
Semivolatile Organic Compounds						
Benzo(a)anthracene	µg/L	0.5	0.5 U	0.5 U	0.5 U	
Benzo(a)pyrene	µg/L	0.5	0.5 U	0.5 U	0.5 U	
Benzo(g,h,i)perylene	µg/L	0.5	0.5 U	0.5 U	0.5 U	
Benzo(b)fluoranthene	µg/L	0.5	0.5 U	0.5 U	0.5 U	
Benzo(k)fluoranthene	µg/L	0.5	0.5 U	0.5 U	0.5 U	
Chrysene	µg/L	0.5	0.5 U	0.5 U	0.5 U	
Dibenzo(a,h)anthracene	µg/L	0.5	0.5 U	0.5 U	0.5 U	
Fluoranthene	µg/L	0.5	0.5 U	0.5 U	0.5 U	
Indeno(1,2,3-cd)pyrene	µg/L	0.5	0.5 U	0.5 U	0.5 U	
Pyrene	µg/L	0.5	0.5 U	0.5 U	0.5 U	
Acenaphthene	µg/L	0.5	0.5 U	0.5 U	0.5 U	
Acenaphthylene	µg/L	0.5	0.5 U	0.5 U	0.5 U	
Anthracene	µg/L	0.5	0.5 U	0.5 U	0.5 U	
Fluorene	µg/L	0.5	0.5 U	0.5 U	0.5 U	
Naphthalene	µg/L	100	0.5 U	100 U	1.1	100 U
Phenanthrene	µg/L	0.5	0.5 U	0.5 U	0.5 U	
bis(2-ethylhexyl)phthalate	µg/L	2.5	2.5 U	6.9	7.4	
Di-n-butyl phthalate	µg/L	0.5	0.5 U	0.72	1.5	
Butyl benzyl phthalate	µg/L	0.5	0.5 U	0.5 U	0.5 U	
Diethylphthalate	µg/L	0.5	0.5 U	0.5 U	0.27 J	
Dimethyl phthalate	µg/L	0.5	0.5 U	0.5 U	0.5 U	
Di-n-octyl phthalate	µg/L	0.5	0.5 U	0.5 U	0.5 U	
Pentachlorophenol	µg/L	2.8 J	5.1	16	170	
2,4-Dichlorophenol	µg/L	5	5 U	5 U	5 U	
2,4,5-Trichlorophenol	µg/L	5	5 U	5 U	5 U	
2,4,6-Trichlorophenol	µg/L	5	5 U	5 U	5 U	
2-Chlorophenol	µg/L	0.5	0.5 U	0.5 U	0.5 U	
2,4-Dimethylphenol	µg/L	0.5	0.5 U	0.5 U	0.5 U	
2,4-Dinitrophenol	µg/L	5	5 U	5 U	5 U	

	Event	Whitehead Sampling (August 2000)				
	Location	B-18	B-60	WH-1	WH-2	WH-4
	SampleID	**B-18**	**B-60**	**WH-1**	**WH-2**	**WH-4**
	Depth (bgs)	6 - 16 ft	7 - 12 ft	7 - 12 ft	7.5 - 12.5 ft	8 - 13 ft
	Sample Date	08/11/2000	08/10/2000	08/10/2000	08/10/2000	08/10/2000
Semivolatile Organic Compounds						
2,4-Dinitrotoluene	µg/L	0.5	0.5 U	0.5 U	0.5 U	
2,6-Dinitrotoluene	µg/L	0.5	0.5 U	0.5 U	0.5 U	
2-Chloronaphthalene	µg/L	0.5	0.5 U	0.5 U	0.5 U	
2-Methylphenol	µg/L	0.5	0.5 U	0.5 U	0.5 U	
2-Nitroaniline	µg/L	5	5 U	5 U	5 U	
2-Nitrophenol	µg/L	5	5 U	5 U	5 U	
3,3'-Dichlorobenzidine	µg/L	0.5	0.5 U	0.5 U	0.5 U	
2-Methylnaphthalene	µg/L	0.5	0.5 U	0.5 U	0.5 U	
3-Nitroaniline	µg/L	5	5 U	5 U	5 U	
4,6-Dinitro-o-cresol	µg/L	5	5 U	5 U	5 U	
4-Bromophenyl phenyl ether	µg/L	0.5	0.5 U	0.5 U	0.5 U	
4-Chloro-3-methylphenol	µg/L	5	5 U	5 U	5 U	
4-Chloroaniline	µg/L	0.5	0.5 U	0.5 U	0.5 U	
4-Chlorophenyl phenyl ether	µg/L	0.5	0.5 U	0.5 U	0.5 U	
4-Methylphenol	µg/L	0.5	0.5 U	0.5 U	0.5 U	
4-Nitroaniline	µg/L	5	5 U	5 U	5 U	
4-Nitrophenol	µg/L	5	5 U	5 U	5 U	
Aniline	µg/L	0.5	0.5 U	0.5 U	0.5 U	
Benzidine	µg/L	5	5 U	5 U	5 U	
Benzoic acid	µg/L	13	13 U	13 U	13 U	
Benzyl alcohol	µg/L	0.5	0.5 U	0.5 U	0.5 U	
bis(2-chloroethoxy)methane	µg/L	0.5	0.5 U	0.5 U	0.5 U	
bis(2-chloroethyl)ether	µg/L	0.5	0.5 U	0.5 U	0.5 U	
bis(2-chloroisopropyl)ether	µg/L	0.5	0.5 U	0.5 U	0.5 U	
Carbazole	µg/L	0.5	0.5 U	0.5 U	0.5 U	
Dibenzofuran	µg/L	0.5	0.5 U	0.5 U	0.5 U	
Hexachlorobenzene	µg/L	0.5	0.5 U	0.5 U	0.5 U	
Hexachlorobutadiene	µg/L	500	500 U	0.5 U	500 U	500 U
Hexachlorocyclopentadiene	µg/L	5	5 U	5 U	5 U	
Hexachloroethane	µg/L	0.5	0.5 U	0.5 U	0.5 U	
Isophorone	µg/L	0.5	0.5 U	0.5 U	0.5 U	
Nitrobenzene	µg/L	0.5	0.5 U	0.5 U	0.5 U	
N-Nitroso-di-n-propylamine	µg/L	0.5	0.5 U	0.5 U	0.5 U	
N-Nitrosodiphenylamine	µg/L	0.5	0.5 U	0.5 U	0.5 U	
Phenol	µg/L	0.5	0.5 U	0.5 U	0.5 U	

	Event	Whitehead Sampling (August 2000)				
	Location	WH-5	WH-6	WH-7	WH-8	WH-10
	SampleID	**WH-5**	**WH-6**	**WH-7**	**WH-8**	**WH-10**
	Depth (bgs)	11 - 16 ft	12 - 17 ft	12 - 17 ft	12.5 - 17.5 ft	12 - 17 ft
	Sample Date	08/10/2000	08/10/2000	08/10/2000	08/11/2000	08/11/2000
Volatile Organic Compounds						
Tetrachloroethene	µg/L	9400	1600	2200	110	5000
Trichloroethene	µg/L	2600	1300	2100	100	1600
cis-1,2-Dichloroethene	µg/L	4100	25000	54000	3200	400
trans-1,2-Dichloroethene	µg/L	100 U	500 U	1000 U	100	100
1,1-Dichloroethene	µg/L	100 U	500 U	1000 U	100	100
Vinyl chloride	µg/L	3500	3900	18000	14000	100
1,1,1,2-Tetrachloroethane	µg/L	100 U	500 U	1000 U	100	100
1,1,1-Trichloroethane	µg/L	240	500 U	1000 U	100	100
1,1,2,2-Tetrachloroethane	µg/L	100 U	100 U	100 U	100	100
1,1,2-Trichloroethane	µg/L	100 U	500 U	1000 U	100	100
1,1-Dichloroethane	µg/L	100 U	500 U	1000 U	110	100
Chloroethane	µg/L	100 U	100 U	1000 U	100	100
1,1-Dichloropropene	µg/L	100 U	100 U	1000 U	100	100
1,2,3-Trichlorobenzene	µg/L	100 U	100 U	100 U	100	100
1,2,3-Trichloropropane	µg/L	100 U	500 U	1000 U	100	100
1,2,4-Trichlorobenzene	µg/L	0.5 U	500 U	1000 U	100	0.5
1,2-Dibromo-3-chloropropane	µg/L	500 U	2500 U	500 U	500	500
1,2-Dibromoethane	µg/L	100 U	500 U	100 U	100	100
1,2-Dichlorobenzene	µg/L	100 U	500 U	3.8	0.53	100
1,2-Dichloroethane	µg/L	100 U	500 U	1000 U	100	100
1,2-Dichloropropane	µg/L	100 U	100 U	100 U	100	100
1,3-Dichlorobenzene	µg/L	100 U	100 U	0.5 U	0.5	0.5
1,3-Dichloropropane	µg/L	100 U	100 U	1000 U	100	100
1,4-Dichlorobenzene	µg/L	0.5 U	8.3	1000 U	100	100
2,2-Dichloropropane	µg/L	100 U	500 U	1000 U	100	100
2-Chloroethyl vinyl ether	µg/L	500 U	2500 U	500 U	500	500
2-Chlorotoluene	µg/L	100 U	100 U	100 U	100	100
4-Chlorotoluene	µg/L	100 U	500 U	1000 U	100	100
Acetone	µg/L	500 U	2500 U	5000 U	500	500
Bromobenzene	µg/L	100 U	500 U	100 U	100	100
Bromodichloromethane	µg/L	100 U	100 U	100 U	100	100
Bromoform	µg/L	100 U	500 U	1000 U	100	100
Bromomethane	µg/L	100 U	500 U	1000 U	100	100
Carbon disulfide	µg/L	100 U	100 U	100 U	100	100
Carbon tetrachloride	µg/L	100 U	100 U	1000 U	100	100
Chlorobenzene	µg/L	100 U	500 U	100 U	100	100
Chloroform	µg/L	100 U	500 U	100 U	100	100
Chloromethane	µg/L	100 U	100 U	1000 U	100	100
cis-1,3-Dichloropropene	µg/L	100 U	100 U	1000 U	100	100
Dibromochloromethane	µg/L	100 U	100 U	100 U	100	100
Dibromomethane	µg/L	100 U	100 U	1000 U	100	100
Dichlorodifluoromethane	µg/L	100 U	100 U	100 U	100	100
Dichloromethane	µg/L	500 U	500 U	500	500	500
Methyl ethyl ketone	µg/L	500 U	500 U	5000 U	500	500
Methyl iso butyl ketone	µg/L	500 U	500 U	5000 U	500	500
trans-1,3-Dichloropropene	µg/L	100 U	500 U	100 U	100	100
Trichlorofluoromethane	µg/L	100 U	500 U	100 U	100	100
Vinyl acetate	µg/L	500 U	2500 U	5000 U	500	500

	Event	Whitehead Sampling (August 2000)				
	Location	WH-5	WH-6	WH-7	WH-8	WH-10
	SampleID	**WH-5**	**WH-6**	**WH-7**	**WH-8**	**WH-10**
	Depth (bgs)	11 - 16 ft	12 - 17 ft	12 - 17 ft	12.5 - 17.5 ft	12 - 17 ft
	Sample Date	08/10/2000	08/10/2000	08/10/2000	08/11/2000	08/11/2000
Total Petroleum Hydrocarbons						
Gasoline Range Hydrocarbons	µg/L	6500	18000	66000	10000	3400
BTEX						
Benzene	µg/L	100 U	500 U	98	20	5
Toluene	µg/L	220	4200	22000 J	3100	5
Ethylbenzene	µg/L	18	550	360	44	5
Xylene (meta & para)	µg/L	200 U	1000 U	660	200	5
Xylene (ortho)	µg/L	23	500 U	240	39	5
Xylene (total)	µg/L	46	1720	1840	400	310
Alkylated Benzenes						
1,3,5-Trimethylbenzene	µg/L	100 U	100 U	1000 U	100	100
n-Propylbenzene	µg/L	100 U	100 U	100 U	100	100
1,2,4-Trimethylbenzene	µg/L	100 U	120	100 U	100	100
Cymene	µg/L	100 U	500 U	100 U	100	100
iso-Propylbenzene	µg/L	100 U	100 U	100 U	100	100
n-Butylbenzene	µg/L	100 U	500 U	1000 U	100	100
sec-Butylbenzene	µg/L	100 U	100 U	1000 U	100	100
Styrene	µg/L	100 U	500 U	100 U	100	100
tert-Butylbenzene	µg/L	100 U	100 U	1000 U	100	100
Semivolatile Organic Compounds						
Benzo(a)anthracene	µg/L	0.5 U	0.25 J	0.5 U	0.5	0.5
Benzo(a)pyrene	µg/L	0.5 U	0.5 U	0.5 U	0.5	0.5
Benzo(g,h,i)perylene	µg/L	0.5 U	0.5 U	0.5 U	0.5	0.5
Benzo(b)fluoranthene	µg/L	0.5 U	0.5 U	0.5 U	0.5	0.5
Benzo(k)fluoranthene	µg/L	0.5 U	0.5 U	0.5 U	0.5	0.5
Chrysene	µg/L	0.5 U	0.5 U	0.5 U	0.5	0.5
Dibenzo(a,h)anthracene	µg/L	0.5 U	0.5 U	0.5 U	0.5	0.5
Fluoranthene	µg/L	0.5 U	3.4	0.5 U	0.5	0.5
Indeno(1,2,3-cd)pyrene	µg/L	0.5 U	0.5 U	0.5 U	0.5	0.5
Pyrene	µg/L	0.5 U	1.9	0.5 U	0.5	0.5
Acenaphthene	µg/L	0.5 U	10	0.5 U	0.5	0.5
Acenaphthylene	µg/L	0.5 U	0.5 U	0.5 U	0.5	0.5
Anthracene	µg/L	0.5 U	2.1	0.5 U	0.5	0.5
Fluorene	µg/L	0.5 U	8.4	0.5 U	0.5	0.5
Naphthalene	µg/L	0.85	100 U	32	100	100
Phenanthrene	µg/L	0.5 U	18	0.5 U	0.5	0.5
bis(2-ethylhexyl)phthalate	µg/L	3.2	2.5 U	2.5 U	2.5	2.5
Di-n-butyl phthalate	µg/L	0.5 U	0.48 J	0.5 U	0.5	0.5
Butyl benzyl phthalate	µg/L	0.5 U	0.5 U	0.5 U	0.5	0.5
Diethylphthalate	µg/L	0.5 U	0.86	0.5 U	0.5	0.5
Dimethyl phthalate	µg/L	0.5 U	0.5 U	0.5 U	0.5	0.5
Di-n-octyl phthalate	µg/L	0.5 U	0.5 U	0.5 U	0.5	0.5
Pentachlorophenol	µg/L	39	46	1500	5	37
2,4-Dichlorophenol	µg/L	5 U	5 U	5 U	5	5
2,4,5-Trichlorophenol	µg/L	5 U	4.4 J	4.2 J	5	5
2,4,6-Trichlorophenol	µg/L	5 U	5 U	5 U	5	5
2-Chlorophenol	µg/L	0.5 U	0.5 U	0.5 U	0.5	0.5
2,4-Dimethylphenol	µg/L	2	5.3	19	1.1	0.5
2,4-Dinitrophenol	µg/L	5 U	5 U	5 U	5	5

	Event	Whitehead Sampling (August 2000)				
	Location	WH-5	WH-6	WH-7	WH-8	WH-10
	SampleID	**WH-5**	**WH-6**	**WH-7**	**WH-8**	**WH-10**
	Depth (bgs)	11 - 16 ft	12 - 17 ft	12 - 17 ft	12.5 - 17.5 ft	12 - 17 ft
	Sample Date	08/10/2000	08/10/2000	08/10/2000	08/11/2000	08/11/2000
Semivolatile Organic Compounds						
2,4-Dinitrotoluene	µg/L	0.5 U	0.5 U	0.5 U	0.5	0.5
2,6-Dinitrotoluene	µg/L	0.5 U	0.5 U	0.5 U	0.5	0.5
2-Chloronaphthalene	µg/L	0.5 U	0.5 U	0.5 U	0.5	0.5
2-Methylphenol	µg/L	0.92	5.4	27	2.6	0.5
2-Nitroaniline	µg/L	5 U	5 U	5 U	5	5
2-Nitrophenol	µg/L	5 U	5 U	5 U	5	5
3,3'-Dichlorobenzidine	µg/L	0.5 U	0.5 U	0.5 U	0.5	0.5
2-Methylnaphthalene	µg/L	0.5 U	6.7	0.56	0.5	0.5
3-Nitroaniline	µg/L	5 U	5 U	5 U	5	5
4,6-Dinitro-o-cresol	µg/L	5 U	5 U	5 U	5	5
4-Bromophenyl phenyl ether	µg/L	0.5 U	0.5 U	0.5 U	0.5	0.5
4-Chloro-3-methylphenol	µg/L	5 U	5 U	5 U	5	5
4-Chloroaniline	µg/L	0.5 U	0.5 U	0.5 U	0.5	0.5
4-Chlorophenyl phenyl ether	µg/L	0.5 U	0.5 U	0.5 U	0.5	0.5
4-Methylphenol	µg/L	0.72	17	17	1.2	0.5
4-Nitroaniline	µg/L	5 U	5 U	5 U	5	5
4-Nitrophenol	µg/L	5 U	5 U	5 U	5	5
Aniline	µg/L	0.5 U	0.5 U	0.5 U	0.5	0.5
Benzidine	µg/L	5 U	5 U	5 U	5	5
Benzoic acid	µg/L	13 U	13 U	11 J	13	13
Benzyl alcohol	µg/L	0.5 U	1.3	0.5 U	0.5	0.5
bis(2-chloroethoxy)methane	µg/L	0.5 U	0.5 U	0.5 U	0.5	0.5
bis(2-chloroethyl)ether	µg/L	0.5 U	0.5 U	0.5 U	0.5	0.5
bis(2-chloroisopropyl)ether	µg/L	0.5 U	0.5 U	0.5 U	0.5	0.5
Carbazole	µg/L	0.5 U	2.8	0.5 U	0.5	0.5
Dibenzofuran	µg/L	0.5 U	6	0.5 U	0.5	0.5
Hexachlorobenzene	µg/L	0.5 U	0.5 U	0.5 U	0.5	0.5
Hexachlorobutadiene	µg/L	500 U	2500 U	0.5 U	500	0.5
Hexachlorocyclopentadiene	µg/L	5 U	5 U	5 U	5	5
Hexachloroethane	µg/L	0.5 U	0.5 U	0.5 U	0.5	0.5
Isophorone	µg/L	0.5 U	0.5 U	0.5 U	0.61	0.5
Nitrobenzene	µg/L	0.5 U	0.5 U	0.5 U	0.5	0.5
N-Nitroso-di-n-propylamine	µg/L	0.5 U	0.5 U	0.5 U	0.5	0.5
N-Nitrosodiphenylamine	µg/L	0.5 U	0.5 U	0.5 U	0.5	0.5
Phenol	µg/L	0.5 U	0.5 U	0.5 U	0.5	0.5

	Event	Whitehead Sampling (August 2000)				
	Location	WH-11	WH-12			
	SampleID	**WH-11**	**WH-12**			
	Depth (bgs)	7.5 - 12.5 ft	-			
	Sample Date	08/11/2000	08/11/2000			
Volatile Organic Compounds						
Tetrachloroethene	µg/L	1400	100			
Trichloroethene	µg/L	310	100			
cis-1,2-Dichloroethene	µg/L	210	3300			
trans-1,2-Dichloroethene	µg/L	100	100			
1,1-Dichloroethene	µg/L	100	100			
Vinyl chloride	µg/L	100	15000			
1,1,1,2-Tetrachloroethane	µg/L	100	100			
1,1,1-Trichloroethane	µg/L	100	100			
1,1,2,2-Tetrachloroethane	µg/L	100	100			
1,1,2-Trichloroethane	µg/L	100	100			
1,1-Dichloroethane	µg/L	100	110			
Chloroethane	µg/L	100	100			
1,1-Dichloropropene	µg/L	100	100			
1,2,3-Trichlorobenzene	µg/L	100	100			
1,2,3-Trichloropropane	µg/L	100	100			
1,2,4-Trichlorobenzene	µg/L	100	0.5			
1,2-Dibromo-3-chloropropane	µg/L	500	500			
1,2-Dibromoethane	µg/L	100	100			
1,2-Dichlorobenzene	µg/L	0.5	0.58			
1,2-Dichloroethane	µg/L	100	100			
1,2-Dichloropropane	µg/L	100	100			
1,3-Dichlorobenzene	µg/L	100	0.5			
1,3-Dichloropropane	µg/L	100	100			
1,4-Dichlorobenzene	µg/L	100	100			
2,2-Dichloropropane	µg/L	100	100			
2-Chloroethyl vinyl ether	µg/L	500	500			
2-Chlorotoluene	µg/L	100	100			
4-Chlorotoluene	µg/L	100	100			
Acetone	µg/L	500	500			
Bromobenzene	µg/L	100	100			
Bromodichloromethane	µg/L	100	100			
Bromoform	µg/L	100	100			
Bromomethane	µg/L	100	100			
Carbon disulfide	µg/L	100	100			
Carbon tetrachloride	µg/L	100	100			
Chlorobenzene	µg/L	100	100			
Chloroform	µg/L	100	100			
Chloromethane	µg/L	100	100			
cis-1,3-Dichloropropene	µg/L	100	100			
Dibromochloromethane	µg/L	100	100			
Dibromomethane	µg/L	100	100			
Dichlorodifluoromethane	µg/L	100	100			
Dichloromethane	µg/L	500	500			
Methyl ethyl ketone	µg/L	500	500			
Methyl iso butyl ketone	µg/L	500	500			
trans-1,3-Dichloropropene	µg/L	100	100			
Trichlorofluoromethane	µg/L	100	100			
Vinyl acetate	µg/L	500	500			

	Event	Whitehead Sampling (August 2000)				
	Location	WH-11	WH-12			
	SampleID	**WH-11**	**WH-12**			
	Depth (bgs)	7.5 - 12.5 ft	-			
	Sample Date	08/11/2000	08/11/2000			
Total Petroleum Hydrocarbons						
Gasoline Range Hydrocarbons	µg/L	1300	11000			
BTEX						
Benzene	µg/L	100	100			
Toluene	µg/L	100	2700			
Ethylbenzene	µg/L	100	46			
Xylene (meta & para)	µg/L	5	200			
Xylene (ortho)	µg/L	5	100			
Xylene (total)	µg/L	310	406			
Alkylated Benzenes						
1,3,5-Trimethylbenzene	µg/L	100	100			
n-Propylbenzene	µg/L	100	100			
1,2,4-Trimethylbenzene	µg/L	100	100			
Cymene	µg/L	100	100			
iso-Propylbenzene	µg/L	100	100			
n-Butylbenzene	µg/L	100	100			
sec-Butylbenzene	µg/L	100	100			
Styrene	µg/L	100	100			
tert-Butylbenzene	µg/L	100	100			
Semivolatile Organic Compounds						
Benzo(a)anthracene	µg/L	0.5	0.5			
Benzo(a)pyrene	µg/L	0.5	0.5			
Benzo(g,h,i)perylene	µg/L	0.5	0.5			
Benzo(b)fluoranthene	µg/L	0.5	0.5			
Benzo(k)fluoranthene	µg/L	0.5	0.5			
Chrysene	µg/L	0.5	0.5			
Dibenzo(a,h)anthracene	µg/L	0.5	0.5			
Fluoranthene	µg/L	0.5	0.5			
Indeno(1,2,3-cd)pyrene	µg/L	0.5	0.5			
Pyrene	µg/L	0.5	0.5			
Acenaphthene	µg/L	0.5	0.5			
Acenaphthylene	µg/L	0.5	0.5			
Anthracene	µg/L	0.5	0.5			
Fluorene	µg/L	0.5	0.5			
Naphthalene	µg/L	0.5	100			
Phenanthrene	µg/L	0.5	0.5			
bis(2-ethylhexyl)phthalate	µg/L	2.5	2.5			
Di-n-butyl phthalate	µg/L	0.41 J	0.5			
Butyl benzyl phthalate	µg/L	0.5	0.5			
Diethylphthalate	µg/L	0.5	0.5			
Dimethyl phthalate	µg/L	0.5	0.5			
Di-n-octyl phthalate	µg/L	0.5	0.5			
Pentachlorophenol	µg/L	21	5			
2,4-Dichlorophenol	µg/L	5	5			
2,4,5-Trichlorophenol	µg/L	5	5			
2,4,6-Trichlorophenol	µg/L	5	5			
2-Chlorophenol	µg/L	0.5	0.5			
2,4-Dimethylphenol	µg/L	0.5	1.2			
2,4-Dinitrophenol	µg/L	5	5			

	Event	Whitehead Sampling (August 2000)				
	Location	WH-11	WH-12			
	SampleID	**WH-11**	**WH-12**			
	Depth (bgs)	7.5 - 12.5 ft	-			
	Sample Date	08/11/2000	08/11/2000			
Semivolatile Organic Compounds						
2,4-Dinitrotoluene	µg/L	0.5	0.5			
2,6-Dinitrotoluene	µg/L	0.5	0.5			
2-Chloronaphthalene	µg/L	0.5	0.5			
2-Methylphenol	µg/L	0.5	3.1			
2-Nitroaniline	µg/L	5	5			
2-Nitrophenol	µg/L	5	5			
3,3'-Dichlorobenzidine	µg/L	0.5	0.5			
2-Methylnaphthalene	µg/L	0.5	0.5			
3-Nitroaniline	µg/L	5	5			
4,6-Dinitro-o-cresol	µg/L	5	5			
4-Bromophenyl phenyl ether	µg/L	0.5	0.5			
4-Chloro-3-methylphenol	µg/L	5	5			
4-Chloroaniline	µg/L	0.5	0.5			
4-Chlorophenyl phenyl ether	µg/L	0.5	0.5			
4-Methylphenol	µg/L	0.5	1.4			
4-Nitroaniline	µg/L	5	5			
4-Nitrophenol	µg/L	5	5			
Aniline	µg/L	0.5	0.5			
Benzidine	µg/L	5	5			
Benzoic acid	µg/L	13	13			
Benzyl alcohol	µg/L	0.5	0.5			
bis(2-chloroethoxy)methane	µg/L	0.5	0.5			
bis(2-chloroethyl)ether	µg/L	0.5	0.5			
bis(2-chloroisopropyl)ether	µg/L	0.5	0.5			
Carbazole	µg/L	0.5	0.5			
Dibenzofuran	µg/L	0.5	0.5			
Hexachlorobenzene	µg/L	0.5	0.5			
Hexachlorobutadiene	µg/L	500	500			
Hexachlorocyclopentadiene	µg/L	5	5			
Hexachloroethane	µg/L	0.5	0.5			
Isophorone	µg/L	0.5	0.64			
Nitrobenzene	µg/L	0.5	0.5			
N-Nitroso-di-n-propylamine	µg/L	0.5	0.5			
N-Nitrosodiphenylamine	µg/L	0.5	0.5			
Phenol	µg/L	0.5	0.5			

	Event	Northwest Corner Sampling (July 2000)				
	Location	AGI-2	NW-1	AGI-3	NW-2	B-13
	SampleID	**AGI-2**	**NW-1**	**AGI-3**	**NW-2**	**B-13**
	Depth (bgs)	10.45 - 16.5 ft	15 - 17.5 ft	1.9 - 16.5 ft	15.5 - 18 ft	7 - 12 ft
	Sample Date	07/13/2000	07/13/2000	07/13/2000	07/13/2000	07/17/2000
Volatile Organic Compounds						
Tetrachloroethene	µg/L	120	2.2	34	1.9	2300
Trichloroethene	µg/L	6.8	1 U	1 U	1 U	120
cis-1,2-Dichloroethene	µg/L	13	1 U	1 U	1 U	100 U
trans-1,2-Dichloroethene	µg/L	1 U	1 U	1 U	1 U	100 U
1,1-Dichloroethene	µg/L	1 U	1 U	1 U	1 U	100 U
Vinyl chloride	µg/L	1 U	1 U	1 U	1 U	100 U
1,1,1,2-Tetrachloroethane	µg/L	1 U	1 U	1 U	1 U	100 U
1,1,1-Trichloroethane	µg/L	2.9	1 U	1 U	1 U	100 U
1,1,2,2-Tetrachloroethane	µg/L	1 U	1 U	1 U	1 U	100 U
1,1,2-Trichloroethane	µg/L	1 U	1 U	1 U	1 U	100 U
1,1-Dichloroethane	µg/L	6.3	1 U	1 U	1 U	100 U
Chloroethane	µg/L	1 U	1 U	1 U	1 U	100 U
1,1-Dichloropropene	µg/L	1 U	1 U	1 U	1 U	100 U
1,2,3-Trichlorobenzene	µg/L	1 U	1 U	1 U	1 U	100 U
1,2,3-Trichloropropane	µg/L	1 U	1 U	1 U	1 U	100 U
1,2,4-Trichlorobenzene	µg/L	1 U	1 U	1 U	1 U	100 U
1,2-Dibromo-3-chloropropane	µg/L	5 U	5 U	5 U	5 U	500 U
1,2-Dibromoethane	µg/L	1 U	1 U	1 U	1 U	100 U
1,2-Dichlorobenzene	µg/L	1 U	1 U	1 U	1 U	100 U
1,2-Dichloroethane	µg/L	1 U	1 U	1 U	1 U	100 U
1,2-Dichloropropane	µg/L	1 U	1 U	1 U	1 U	100 U
1,3-Dichlorobenzene	µg/L	1 U	1 U	1 U	1 U	100 U
1,3-Dichloropropane	µg/L	1 U	1 U	1 U	1 U	100 U
1,4-Dichlorobenzene	µg/L	1 U	1 U	1 U	1 U	100 U
2,2-Dichloropropane	µg/L	1 U	1 U	1 U	1 U	100 U
2-Chloroethyl vinyl ether	µg/L	5 U	5 U	5 U	5 U	500 U
2-Chlorotoluene	µg/L	1 U	1 U	1 U	1 U	100 U
4-Chlorotoluene	µg/L	1 U	1 U	1 U	1 U	100 U
Acetone	µg/L	5 U	5 U	5 U	5 U	500 U
Bromobenzene	µg/L	1 U	1 U	1 U	1 U	100 U
Bromodichloromethane	µg/L	1 U	1 U	1 U	1 U	100 U
Bromoform	µg/L	1 U	1 U	1 U	1 U	100 U
Bromomethane	µg/L	1 U	1 U	1 U	1 U	100 U
Carbon disulfide	µg/L	1 U	1 U	1 U	1 U	100 U
Carbon tetrachloride	µg/L	1 U	1 U	1 U	1 U	100 U
Chlorobenzene	µg/L	1 U	1 U	1 U	1 U	100 U
Chloroform	µg/L	1 U	1 U	1 U	1 U	100 U
Chloromethane	µg/L	1 U	1 U	1 U	1 U	100 U
cis-1,3-Dichloropropene	µg/L	1 U	1 U	1 U	1 U	100 U
Dibromochloromethane	µg/L	1 U	1 U	1 U	1 U	100 U
Dibromomethane	µg/L	1 U	1 U	1 U	1 U	100 U
Dichlorodifluoromethane	µg/L	1 U	1 U	1 U	1 U	100 U
Dichloromethane	µg/L	5 U	5 U	5 U	5 U	500 U
Methyl ethyl ketone	µg/L	5 U	5 U	5 U	5 U	500 U
Methyl iso butyl ketone	µg/L	5 U	5 U	5 U	5 U	500 U
trans-1,3-Dichloropropene	µg/L	1 U	1 U	1 U	1 U	100 U
Trichlorofluoromethane	µg/L	1 U	1 U	1 U	1 U	100 U
Vinyl acetate	µg/L	5 U	5 U	5 U	5 U	500 U

	Event	**Northwest Corner Sampling (July 2000)**				
	Location	AGI-2	NW-1	AGI-3	NW-2	B-13
	SampleID	**AGI-2**	**NW-1**	**AGI-3**	**NW-2**	**B-13**
	Depth (bgs)	10.45 - 16.5 ft	15 - 17.5 ft	1.9 - 16.5 ft	15.5 - 18 ft	7 - 12 ft
	Sample Date	07/13/2000	07/13/2000	07/13/2000	07/13/2000	07/17/2000
Total Petroleum Hydrocarbons						
Diesel #2	µg/L	1900	250 U	250 U	250 U	250 U
Gasoline	µg/L	175		100 U		
Gasoline Range Hydrocarbons	µg/L		100 U		100 U	1500
Heavy Fuel Oil	µg/L	1500	500 U	500 U	500 U	500 U
BTEX						
Benzene	µg/L	1 U	1 U	1 U	1 U	100 U
Toluene	µg/L	1 U	1 U	1 U	1 U	100 U
Ethylbenzene	µg/L	1 U	1 U	1 U	1 U	100 U
Xylene (meta & para)	µg/L	2 U	2 U	2 U	2 U	200 U
Xylene (ortho)	µg/L	1 U	1 U	1 U	1 U	100 U
Xylene (total)	µg/L	2 U	2 U	2 U	2 U	200 U
Alkylated Benzenes						
1,3,5-Trimethylbenzene	µg/L	1 U	1 U	1 U	1 U	100 U
n-Propylbenzene	µg/L	1 U	1 U	1 U	1 U	100 U
1,2,4-Trimethylbenzene	µg/L	1 U	1 U	1 U	1 U	100 U
Cymene	µg/L	1 U	1 U	1 U	1 U	100 U
iso-Propylbenzene	µg/L	1 U	1 U	1 U	1 U	100 U
n-Butylbenzene	µg/L	1 U	1 U	1 U	1 U	100 U
sec-Butylbenzene	µg/L	1 U	1 U	1 U	1 U	100 U
Styrene	µg/L	1 U	1 U	1 U	1 U	100 U
tert-Butylbenzene	µg/L	1 U	1 U	1 U	1 U	100 U
Semivolatile Organic Compounds						
Naphthalene	µg/L	1 U	1 U	1 U	1 U	100 U
Hexachlorobutadiene	µg/L	5 U	5 U	5 U	5 U	500 U

	Event	Northwest Corner Sampling (July 2000)				
	Location	NW-2	B-28	NW-3	B-53	NW-4
	SampleID	**071300-Duplicate 1**	**B-28**	**NW-3**	**B-53**	**NW-4**
	Depth (bgs)	15.5 - 18 ft	9 - 14 ft	15.5 - 18 ft	7 - 14 ft	15.5 - 18 ft
	Sample Date	07/13/2000	07/17/2000	07/13/2000	07/17/2000	07/13/2000
Volatile Organic Compounds						
Tetrachloroethene	µg/L	2	10	7	200	2.4
Trichloroethene	µg/L	1 U	1.4	1 U	12	1 U
cis-1,2-Dichloroethene	µg/L	1 U	10	1 U	14	1 U
trans-1,2-Dichloroethene	µg/L	1 U	1 U	1 U	5 U	1 U
1,1-Dichloroethene	µg/L	1 U	1 U	1 U	5 U	1 U
Vinyl chloride	µg/L	1 U	1 U	1 U	5 U	1 U
1,1,1,2-Tetrachloroethane	µg/L	1 U	1 U	1 U	5 U	1 U
1,1,1-Trichloroethane	µg/L	1 U	1 U	1 U	5 U	1 U
1,1,2,2-Tetrachloroethane	µg/L	1 U	1 U	1 U	5 U	1 U
1,1,2-Trichloroethane	µg/L	1 U	1 U	1 U	5 U	1 U
1,1-Dichloroethane	µg/L	1 U	1 U	1 U	5 U	1 U
Chloroethane	µg/L	1 U	1 U	1 U	5 U	1 U
1,1-Dichloropropene	µg/L	1 U	1 U	1 U	5 U	1 U
1,2,3-Trichlorobenzene	µg/L	1 U	1 U	1 U	5 U	1 U
1,2,3-Trichloropropane	µg/L	1 U	1 U	1 U	5 U	1 U
1,2,4-Trichlorobenzene	µg/L	1 U	1 U	1 U	5 U	1 U
1,2-Dibromo-3-chloropropane	µg/L	5 U	5 U	5 U	25 U	5 U
1,2-Dibromoethane	µg/L	1 U	1 U	1 U	5 U	1 U
1,2-Dichlorobenzene	µg/L	1 U	1 U	1 U	5 U	1 U
1,2-Dichloroethane	µg/L	1 U	1 U	1 U	5 U	1 U
1,2-Dichloropropane	µg/L	1 U	1 U	1 U	5 U	1 U
1,3-Dichlorobenzene	µg/L	1 U	1 U	1 U	5 U	1 U
1,3-Dichloropropane	µg/L	1 U	1 U	1 U	5 U	1 U
1,4-Dichlorobenzene	µg/L	1 U	1 U	1 U	5 U	1 U
2,2-Dichloropropane	µg/L	1 U	1 U	1 U	5 U	1 U
2-Chloroethyl vinyl ether	µg/L	5 U	5 U	5 U	25 U	5 U
2-Chlorotoluene	µg/L	1 U	1 U	1 U	5 U	1 U
4-Chlorotoluene	µg/L	1 U	1 U	1 U	5 U	1 U
Acetone	µg/L	5 U	5 U	5 U	25 U	5 U
Bromobenzene	µg/L	1 U	1 U	1 U	5 U	1 U
Bromodichloromethane	µg/L	1 U	1 U	1 U	5 U	1 U
Bromoform	µg/L	1 U	1 U	1 U	5 U	1 U
Bromomethane	µg/L	1 U	1 U	1 U	5 U	1 U
Carbon disulfide	µg/L	1 U	1 U	1 U	5 U	1 U
Carbon tetrachloride	µg/L	1 U	1 U	1 U	5 U	1 U
Chlorobenzene	µg/L	1 U	1 U	1 U	5 U	1 U
Chloroform	µg/L	1 U	1 U	1 U	5 U	1 U
Chloromethane	µg/L	1 U	1 U	1 U	5 U	1 U
cis-1,3-Dichloropropene	µg/L	1 U	1 U	1 U	5 U	1 U
Dibromochloromethane	µg/L	1 U	1 U	1 U	5 U	1 U
Dibromomethane	µg/L	1 U	1 U	1 U	5 U	1 U
Dichlorodifluoromethane	µg/L	1 U	1 U	1 U	5 U	1 U
Dichloromethane	µg/L	5 U	5 U	5 U	25 U	5 U
Methyl ethyl ketone	µg/L	5 U	5 U	5 U	25 U	5 U
Methyl iso butyl ketone	µg/L	5 U	5 U	5 U	25 U	5 U
trans-1,3-Dichloropropene	µg/L	1 U	1 U	1 U	5 U	1 U
Trichlorofluoromethane	µg/L	1 U	1 U	1 U	5 U	1 U

	Event	**Northwest Corner Sampling (July 2000)**				
	Location	NW-2	B-28	NW-3	B-53	NW-4
	SampleID	**071300-Duplicate 1**	**B-28**	**NW-3**	**B-53**	**NW-4**
	Depth (bgs)	15.5 - 18 ft	9 - 14 ft	15.5 - 18 ft	7 - 14 ft	15.5 - 18 ft
	Sample Date	07/13/2000	07/17/2000	07/13/2000	07/17/2000	07/13/2000
Volatile Organic Compounds						
Vinyl acetate	µg/L	5 U	5 U	5 U	25 U	5 U
Total Petroleum Hydrocarbons						
Diesel #2	µg/L	250 U	250 U	250 U	250 U	250 U
Gasoline Range Hydrocarbons	µg/L	100 U	100 U	100 U	420	100 U
Heavy Fuel Oil	µg/L	500 U	500 U	500 U	500 U	500 U
BTEX						
Benzene	µg/L	1 U	1 U	1 U	5 U	1 U
Toluene	µg/L	1 U	1 U	1 U	5 U	1 U
Ethylbenzene	µg/L	1 U	1 U	1 U	5 U	1 U
Xylene (meta & para)	µg/L	2 U	2 U	2 U	10 U	2 U
Xylene (ortho)	µg/L	1 U	1 U	1 U	5 U	1 U
Xylene (total)	µg/L	2 U	2 U	2 U	10 U	2 U
Alkylated Benzenes						
1,3,5-Trimethylbenzene	µg/L	1 U	1 U	1 U	5 U	1 U
n-Propylbenzene	µg/L	1 U	1 U	1 U	5 U	1 U
1,2,4-Trimethylbenzene	µg/L	1 U	1 U	1 U	5 U	1 U
Cymene	µg/L	1 U	1 U	1 U	5 U	1 U
iso-Propylbenzene	µg/L	1 U	1 U	1 U	5 U	1 U
n-Butylbenzene	µg/L	1 U	1 U	1 U	5 U	1 U
sec-Butylbenzene	µg/L	1 U	1 U	1 U	5 U	1 U
Styrene	µg/L	1 U	1 U	1 U	5 U	1 U
tert-Butylbenzene	µg/L	1 U	1 U	1 U	5 U	1 U
Semivolatile Organic Compounds						
Naphthalene	µg/L	1 U	1 U	1 U	5 U	1 U
Hexachlorobutadiene	µg/L	5 U	5 U	5 U	25 U	5 U

	Event	Northwest Corner Sampling (July 2000)				
	Location	B-53	NW-5	B-54	NW-6	B-55
	SampleID	**B-53 DUP**	**NW-5**	**B-54**	**NW-6**	**B-55**
	Depth (bgs)	7 - 14 ft	14.5 - 17 ft	7 - 15 ft	13.5 - 16 ft	7 - 17 ft
	Sample Date	07/17/2000	07/13/2000	07/17/2000	07/13/2000	07/17/2000
Volatile Organic Compounds						
Tetrachloroethene	µg/L		2.3	2000	19	350
Trichloroethene	µg/L		1 U	100 U	1.2	21
cis-1,2-Dichloroethene	µg/L		1 U	100 U	1.9	40
trans-1,2-Dichloroethene	µg/L		1 U	100 U	1 U	10 U
1,1-Dichloroethene	µg/L		1 U	100 U	1 U	10 U
Vinyl chloride	µg/L		1 U	100 U	1 U	10 U
1,1,1,2-Tetrachloroethane	µg/L		1 U	100 U	1 U	10 U
1,1,1-Trichloroethane	µg/L		1 U	100 U	1 U	10 U
1,1,2,2-Tetrachloroethane	µg/L		1 U	100 U	1 U	10 U
1,1,2-Trichloroethane	µg/L		1 U	100 U	1 U	10 U
1,1-Dichloroethane	µg/L		1 U	100 U	3.6	10 U
Chloroethane	µg/L		1 U	100 U	1 U	10 U
1,1-Dichloropropene	µg/L		1 U	100 U	1 U	10 U
1,2,3-Trichlorobenzene	µg/L		1 U	100 U	1 U	10 U
1,2,3-Trichloropropane	µg/L		1 U	100 U	1 U	10 U
1,2,4-Trichlorobenzene	µg/L		1 U	100 U	1 U	10 U
1,2-Dibromo-3-chloropropane	µg/L		5 U	500 U	5 U	50 U
1,2-Dibromoethane	µg/L		1 U	100 U	1 U	10 U
1,2-Dichlorobenzene	µg/L		1 U	100 U	1.9	10 U
1,2-Dichloroethane	µg/L		1 U	100 U	1 U	10 U
1,2-Dichloropropane	µg/L		1 U	100 U	1 U	10 U
1,3-Dichlorobenzene	µg/L		1 U	100 U	1 U	10 U
1,3-Dichloropropane	µg/L		1 U	100 U	1 U	10 U
1,4-Dichlorobenzene	µg/L		1 U	100 U	1 U	10 U
2,2-Dichloropropane	µg/L		1 U	100 U	1 U	10 U
2-Chloroethyl vinyl ether	µg/L		5 U	500 U	5 U	50 U
2-Chlorotoluene	µg/L		1 U	100 U	1 U	10 U
4-Chlorotoluene	µg/L		1 U	100 U	1 U	10 U
Acetone	µg/L		5 U	500 U	5 U	50 U
Bromobenzene	µg/L		1 U	100 U	1 U	10 U
Bromodichloromethane	µg/L		1 U	100 U	1 U	10 U
Bromoform	µg/L		1 U	100 U	1 U	10 U
Bromomethane	µg/L		1 U	100 U	1 U	10 U
Carbon disulfide	µg/L		1 U	100 U	1 U	10 U
Carbon tetrachloride	µg/L		1 U	100 U	1 U	10 U
Chlorobenzene	µg/L		1 U	100 U	2.2	10 U
Chloroform	µg/L		1 U	100 U	1 U	10 U
Chloromethane	µg/L		1 U	100 U	1 U	10 U
cis-1,3-Dichloropropene	µg/L		1 U	100 U	1 U	10 U
Dibromochloromethane	µg/L		1 U	100 U	1 U	10 U
Dibromomethane	µg/L		1 U	100 U	1 U	10 U
Dichlorodifluoromethane	µg/L		1 U	100 U	1 U	10 U
Dichloromethane	µg/L		5 U	500 U	5 U	50 U
Methyl ethyl ketone	µg/L		5 U	500 U	5 U	50 U
Methyl iso butyl ketone	µg/L		5 U	500 U	5 U	50 U
trans-1,3-Dichloropropene	µg/L		1 U	100 U	1 U	10 U
Trichlorofluoromethane	µg/L		1 U	100 U	1 U	10 U
Vinyl acetate	µg/L		5 U	500 U	5 U	50 U

	Event	Northwest Corner Sampling (July 2000)				
	Location	B-53	NW-5	B-54	NW-6	B-55
	SampleID	**B-53 DUP**	**NW-5**	**B-54**	**NW-6**	**B-55**
	Depth (bgs)	7 - 14 ft	14.5 - 17 ft	7 - 15 ft	13.5 - 16 ft	7 - 17 ft
	Sample Date	07/17/2000	07/13/2000	07/17/2000	07/13/2000	07/17/2000
Total Petroleum Hydrocarbons						
Diesel #2	µg/L		250 U	250 U	250 U	250 U
Gasoline Range Hydrocarbons	µg/L	388	100 U	1600	100 U	500
Heavy Fuel Oil	µg/L		500 U	500 U	660	500 U
BTEX						
Benzene	µg/L		1 U	100 U	1 U	10 U
Toluene	µg/L		1 U	100 U	1 U	10 U
Ethylbenzene	µg/L		1 U	100 U	1 U	10 U
Xylene (meta & para)	µg/L		2 U	200 U	2 U	20 U
Xylene (ortho)	µg/L		1 U	100 U	1 U	10 U
Xylene (total)	µg/L		2 U	200 U	2 U	20 U
Alkylated Benzenes						
1,3,5-Trimethylbenzene	µg/L		1 U	100 U	1 U	10 U
n-Propylbenzene	µg/L		1 U	100 U	1 U	10 U
1,2,4-Trimethylbenzene	µg/L		1 U	100 U	1 U	10 U
Cymene	µg/L		1 U	100 U	1 U	10 U
iso-Propylbenzene	µg/L		1 U	100 U	1 U	10 U
n-Butylbenzene	µg/L		1 U	100 U	1 U	10 U
sec-Butylbenzene	µg/L		1 U	100 U	1 U	10 U
Styrene	µg/L		1 U	100 U	1 U	10 U
tert-Butylbenzene	µg/L		1 U	100 U	1 U	10 U
Semivolatile Organic Compounds						
Naphthalene	µg/L		1 U	100 U	1 U	10 U
Hexachlorobutadiene	µg/L		5 U	500 U	5 U	50 U

	Event	Northwest Corner Sampling (July 2000)				
	Location	NW-7	B-56	NW-7	B-57	NW-8
	SampleID	**NW-7**	**B-56**	**NW-7 DUP**	**B-57**	**NW-8**
	Depth (bgs)	15 - 17.5 ft	7 - 17 ft	15 - 17.5 ft	7 - 18 ft	15.5 - 17 ft
	Sample Date	07/14/2000	07/17/2000	07/14/2000	07/17/2000	07/14/2000
Volatile Organic Compounds						
Tetrachloroethene	µg/L	1.4	380		300	2.3
Trichloroethene	µg/L	1 U	12		15	1 U
cis-1,2-Dichloroethene	µg/L	1 U	14		25	1 U
trans-1,2-Dichloroethene	µg/L	1 U	10 U		10 U	1 U
1,1-Dichloroethene	µg/L	1 U	10 U		10 U	1 U
Vinyl chloride	µg/L	1 U	10 U		10 U	1 U
1,1,1,2-Tetrachloroethane	µg/L	1 U	10 U		10 U	1 U
1,1,1-Trichloroethane	µg/L	1 U	10 U		10 U	1 U
1,1,2,2-Tetrachloroethane	µg/L	1 U	10 U		10 U	1 U
1,1,2-Trichloroethane	µg/L	1 U	10 U		10 U	1 U
1,1-Dichloroethane	µg/L	1 U	10 U		20	1 U
Chloroethane	µg/L	1 U	10 U		10 U	1 U
1,1-Dichloropropene	µg/L	1 U	10 U		10 U	1 U
1,2,3-Trichlorobenzene	µg/L	1 U	10 U		10 U	1 U
1,2,3-Trichloropropane	µg/L	1 U	10 U		10 U	1 U
1,2,4-Trichlorobenzene	µg/L	1 U	10 U		10 U	1 U
1,2-Dibromo-3-chloropropane	µg/L	5 U	50 U		50 U	5 U
1,2-Dibromoethane	µg/L	1 U	10 U		10 U	1 U
1,2-Dichlorobenzene	µg/L	1 U	10 U		10 U	1 U
1,2-Dichloroethane	µg/L	1 U	10 U		10 U	1 U
1,2-Dichloropropane	µg/L	1 U	10 U		10 U	1 U
1,3-Dichlorobenzene	µg/L	1 U	10 U		10 U	1 U
1,3-Dichloropropane	µg/L	1 U	10 U		10 U	1 U
1,4-Dichlorobenzene	µg/L	1 U	10 U		10 U	1 U
2,2-Dichloropropane	µg/L	1 U	10 U		10 U	1 U
2-Chloroethyl vinyl ether	µg/L	5 U	50 U		50 U	5 U
2-Chlorotoluene	µg/L	1 U	10 U		10 U	1 U
4-Chlorotoluene	µg/L	1 U	10 U		10 U	1 U
Acetone	µg/L	5 U	50 U		50 U	5 U
Bromobenzene	µg/L	1 U	10 U		10 U	1 U
Bromodichloromethane	µg/L	1 U	10 U		10 U	1 U
Bromoform	µg/L	1 U	10 U		10 U	1 U
Bromomethane	µg/L	1 U	10 U		10 U	1 U
Carbon disulfide	µg/L	1 U	10 U		10 U	1 U
Carbon tetrachloride	µg/L	1 U	10 U		10 U	1 U
Chlorobenzene	µg/L	1 U	10 U		10 U	1 U
Chloroform	µg/L	1 U	10 U		10 U	1 U
Chloromethane	µg/L	1 U	10 U		10 U	1 U
cis-1,3-Dichloropropene	µg/L	1 U	10 U		10 U	1 U
Dibromochloromethane	µg/L	1 U	10 U		10 U	1 U
Dibromomethane	µg/L	1 U	10 U		10 U	1 U
Dichlorodifluoromethane	µg/L	1 U	10 U		10 U	1 U
Dichloromethane	µg/L	5 U	50 U		50 U	5 U
Methyl ethyl ketone	µg/L	5 U	50 U		50 U	5 U
Methyl iso butyl ketone	µg/L	5 U	50 U		50 U	5 U
trans-1,3-Dichloropropene	µg/L	1 U	10 U		10 U	1 U
Trichlorofluoromethane	µg/L	1 U	10 U		10 U	1 U
Vinyl acetate	µg/L	5 U	50 U		50 U	5 U

	Event	Northwest Corner Sampling (July 2000)				
	Location	NW-7	B-56	NW-7	B-57	NW-8
	SampleID	**NW-7**	**B-56**	**NW-7 DUP**	**B-57**	**NW-8**
	Depth (bgs)	15 - 17.5 ft	7 - 17 ft	15 - 17.5 ft	7 - 18 ft	15.5 - 17 ft
	Sample Date	07/14/2000	07/17/2000	07/14/2000	07/17/2000	07/14/2000
Total Petroleum Hydrocarbons						
Diesel #2	µg/L	250 U	250 U	250 U	250 U	250 U
Gasoline Range Hydrocarbons	µg/L	100 U	550	100 U	460	100 U
Heavy Fuel Oil	µg/L	500 U	500 U		500 U	500 U
BTEX						
Benzene	µg/L	1 U	10 U		10 U	1 U
Toluene	µg/L	1 U	10 U		10 U	1 U
Ethylbenzene	µg/L	1 U	10 U		10 U	1 U
Xylene (meta & para)	µg/L	2 U	20 U		20 U	2 U
Xylene (ortho)	µg/L	1 U	10 U		10 U	1 U
Xylene (total)	µg/L	2 U	20 U		20 U	2 U
Alkylated Benzenes						
1,3,5-Trimethylbenzene	µg/L	1 U	10 U		10 U	1 U
n-Propylbenzene	µg/L	1 U	10 U		10 U	1 U
1,2,4-Trimethylbenzene	µg/L	1 U	10 U		10 U	1 U
Cymene	µg/L	1 U	10 U		10 U	1 U
iso-Propylbenzene	µg/L	1 U	10 U		10 U	1 U
n-Butylbenzene	µg/L	1 U	10 U		10 U	1 U
sec-Butylbenzene	µg/L	1 U	10 U		10 U	1 U
Styrene	µg/L	1 U	10 U		10 U	1 U
tert-Butylbenzene	µg/L	1 U	10 U		10 U	1 U
Semivolatile Organic Compounds						
Naphthalene	µg/L	1 U	10 U		10 U	1 U
Hexachlorobutadiene	µg/L	5 U	50 U		50 U	5 U

	Event	Northwest Corner Sampling (July 2000)				
	Location	B-57	NW-9	NW-10	NW-11	NW-12
	SampleID	**071700-Duplicate 1**	**NW-9**	**NW-10**	**NW-11**	**NW-12**
	Depth (bgs)	7 - 18 ft	14.5 - 17 ft	14.5 - 17 ft	13.5 - 16 ft	13.5 - 16 ft
	Sample Date	07/17/2000	07/14/2000	07/14/2000	07/14/2000	07/14/2000
Volatile Organic Compounds						
Tetrachloroethene	µg/L	290	3.1	2.7	1.1	10
Trichloroethene	µg/L	15	1 U	1 U	1 U	1.1
cis-1,2-Dichloroethene	µg/L	24	1 U	1 U	1 U	2.3
trans-1,2-Dichloroethene	µg/L	10 U	1 U	1 U	1 U	1 U
1,1-Dichloroethene	µg/L	10 U	1 U	1 U	1 U	1 U
Vinyl chloride	µg/L	10 U	1 U	1 U	1 U	1 U
1,1,1,2-Tetrachloroethane	µg/L	10 U	1 U	1 U	1 U	1 U
1,1,1-Trichloroethane	µg/L	10 U	1 U	1 U	1 U	1 U
1,1,2,2-Tetrachloroethane	µg/L	10 U	1 U	1 U	1 U	1 U
1,1,2-Trichloroethane	µg/L	10 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	µg/L	20	1 U	1 U	1 U	2.5
Chloroethane	µg/L	10 U	1 U	1 U	1 U	1 U
1,1-Dichloropropene	µg/L	10 U	1 U	1 U	1 U	1 U
1,2,3-Trichlorobenzene	µg/L	10 U	1 U	1 U	1 U	1 U
1,2,3-Trichloropropane	µg/L	10 U	1 U	1 U	1 U	1 U
1,2,4-Trichlorobenzene	µg/L	10 U	1 U	1 U	1 U	1 U
1,2-Dibromo-3-chloropropane	µg/L	50 U	5 U	5 U	5 U	5 U
1,2-Dibromoethane	µg/L	10 U	1 U	1 U	1 U	1 U
1,2-Dichlorobenzene	µg/L	10 U	1 U	1 U	1 U	1.6
1,2-Dichloroethane	µg/L	10 U	1 U	1 U	1 U	1 U
1,2-Dichloropropane	µg/L	10 U	1 U	1 U	1 U	1 U
1,3-Dichlorobenzene	µg/L	10 U	1 U	1 U	1 U	1 U
1,3-Dichloropropane	µg/L	10 U	1 U	1 U	1 U	1 U
1,4-Dichlorobenzene	µg/L	10 U	1 U	1 U	1 U	1 U
2,2-Dichloropropane	µg/L	10 U	1 U	1 U	1 U	1 U
2-Chloroethyl vinyl ether	µg/L	50 U	5 U	5 U	5 U	5 U
2-Chlorotoluene	µg/L	10 U	1 U	1 U	1 U	1 U
4-Chlorotoluene	µg/L	10 U	1 U	1 U	1 U	1 U
Acetone	µg/L	50 U	5 U	5 U	5 U	5 U
Bromobenzene	µg/L	10 U	1 U	1 U	1 U	1 U
Bromodichloromethane	µg/L	10 U	1 U	1 U	1 U	1 U
Bromoform	µg/L	10 U	1 U	1 U	1 U	1 U
Bromomethane	µg/L	10 U	1 U	1 U	1 U	1 U
Carbon disulfide	µg/L	10 U	1 U	1 U	1 U	1 U
Carbon tetrachloride	µg/L	10 U	1 U	1 U	1 U	1 U
Chlorobenzene	µg/L	10 U	1 U	1 U	1 U	1.1
Chloroform	µg/L	10 U	1 U	1 U	1 U	1 U
Chloromethane	µg/L	10 U	1 U	1 U	1 U	1 U
cis-1,3-Dichloropropene	µg/L	10 U	1 U	1 U	1 U	1 U
Dibromochloromethane	µg/L	10 U	1 U	1 U	1 U	1 U
Dibromomethane	µg/L	10 U	1 U	1 U	1 U	1 U
Dichlorodifluoromethane	µg/L	10 U	1 U	1 U	1 U	1 U
Dichloromethane	µg/L	50 U	5 U	5 U	5 U	5 U
Methyl ethyl ketone	µg/L	50 U	5 U	5 U	5 U	5 U
Methyl iso butyl ketone	µg/L	50 U	5 U	5 U	5 U	5 U
trans-1,3-Dichloropropene	µg/L	10 U	1 U	1 U	1 U	1 U
Trichlorofluoromethane	µg/L	10 U	1 U	1 U	1 U	1 U

	Event	**Northwest Corner Sampling (July 2000)**				
	Location	B-57	NW-9	NW-10	NW-11	NW-12
	SampleID	**071700-Duplicate 1**	**NW-9**	**NW-10**	**NW-11**	**NW-12**
	Depth (bgs)	7 - 18 ft	14.5 - 17 ft	14.5 - 17 ft	13.5 - 16 ft	13.5 - 16 ft
	Sample Date	07/17/2000	07/14/2000	07/14/2000	07/14/2000	07/14/2000
Volatile Organic Compounds						
Vinyl acetate	µg/L	50 U	5 U	5 U	5 U	5 U
Total Petroleum Hydrocarbons						
Diesel #2	µg/L	250 U	250 U	250 U	250 U	250 U
Gasoline Range Hydrocarbons	µg/L	480	100 U	100 U	100 U	100 U
Heavy Fuel Oil	µg/L	500 U	500 U	500 U	500 U	500 U
BTEX						
Benzene	µg/L	10 U	1 U	1 U	1 U	1 U
Toluene	µg/L	10 U	1 U	1 U	1 U	1 U
Ethylbenzene	µg/L	10 U	1 U	1 U	1 U	1 U
Xylene (meta & para)	µg/L	20 U	2 U	2 U	2 U	2 U
Xylene (ortho)	µg/L	10 U	1 U	1 U	1 U	1 U
Xylene (total)	µg/L	20 U	2 U	2 U	2 U	2 U
Alkylated Benzenes						
1,3,5-Trimethylbenzene	µg/L	10 U	1 U	1 U	1 U	1 U
n-Propylbenzene	µg/L	10 U	1 U	1 U	1 U	1 U
1,2,4-Trimethylbenzene	µg/L	10 U	1 U	1 U	1 U	1 U
Cymene	µg/L	10 U	1 U	1 U	1 U	1 U
iso-Propylbenzene	µg/L	10 U	1 U	1 U	1 U	1 U
n-Butylbenzene	µg/L	10 U	1 U	1 U	1 U	1 U
sec-Butylbenzene	µg/L	10 U	1 U	1 U	1 U	1 U
Styrene	µg/L	10 U	1 U	1 U	1 U	1 U
tert-Butylbenzene	µg/L	10 U	1 U	1 U	1 U	1 U
Semivolatile Organic Compounds						
Naphthalene	µg/L	10 U	1 U	1 U	1 U	1 U
Hexachlorobutadiene	µg/L	50 U	5 U	5 U	5 U	5 U

	Event	Great Western Soil Vapor Study (April 2000)				
	Location	B-10A	B-11	B-44	B-52	B-58
	SampleID	**B-10A**	**B-11**	**B-44**	**B-52**	**B-58**
	Depth (bgs)	9.5 - 14.5 ft	11 - 13 ft	9.5 - 15.5 ft	6.75 - 12.75 ft	7 - 12 ft
	Sample Date	04/17/2000	04/17/2000	04/17/2000	04/17/2000	04/17/2000
Volatile Organic Compounds						
Tetrachloroethene	µg/L	120	26000	63000	25000	7800
Trichloroethene	µg/L	100 U	6200	11000	1500	6200
cis-1,2-Dichloroethene	µg/L	4100	2800	17000	7100	13000
trans-1,2-Dichloroethene	µg/L	100 U	100 U	190	100 U	220
1,1-Dichloroethene	µg/L	100 U	100 U	100 U	100 U	100 U
Vinyl chloride	µg/L	430	100 U	780	1500	2300
1,1,1,2-Tetrachloroethane	µg/L	100 U	100 U	100 U	100 U	100 U
1,1,1-Trichloroethane	µg/L	100 U	400	850	100 U	100 U
1,1,2,2-Tetrachloroethane	µg/L	100 U	100 U	100 U	100 U	100 U
1,1,2-Trichloroethane	µg/L	100 U	100 U	100 U	100 U	100 U
1,1-Dichloroethane	µg/L	100 U	100 U	100 U	100 U	100 U
Chloroethane	µg/L	100 U	100 U	100 U	100 U	100 U
1,1-Dichloropropene	µg/L	100 U	100 U	100 U	100 U	100 U
1,2,3-Trichlorobenzene	µg/L	100 U	100 U	100 U	100 U	100 U
1,2,3-Trichloropropane	µg/L	100 U	100 U	100 U	100 U	100 U
1,2,4-Trichlorobenzene	µg/L	100 U	100 U	100 U	100 U	100 U
1,2-Dibromo-3-chloropropane	µg/L	100 U	100 U	100 U	100 U	100 U
1,2-Dibromoethane	µg/L	100 U	100 U	100 U	100 U	100 U
1,2-Dichlorobenzene	µg/L	100 U	100 U	250	100 U	100 U
1,2-Dichloroethane	µg/L	100 U	100 U	100 U	100 U	100 U
1,2-Dichloropropane	µg/L	100 U	100 U	100 U	100 U	100 U
1,3-Dichlorobenzene	µg/L	100 U	100 U	100 U	100 U	100 U
1,3-Dichloropropane	µg/L	100 U	100 U	100 U	100 U	100 U
1,4-Dichlorobenzene	µg/L	100 U	100 U	100 U	100 U	100 U
2,2-Dichloropropane	µg/L	100 U	100 U	100 U	100 U	100 U
2-Chloroethyl vinyl ether	µg/L	100 U	100 U	100 U	100 U	100 U
2-Chlorotoluene	µg/L	100 U	100 U	100 U	100 U	100 U
4-Chlorotoluene	µg/L	100 U	100 U	100 U	100 U	100 U
Acetone	µg/L	500 U	500 U	500 U	500 U	500 U
Bromobenzene	µg/L	100 U	100 U	100 U	100 U	100 U
Bromodichloromethane	µg/L	100 U	100 U	100 U	100 U	100 U
Bromoform	µg/L	100 U	100 U	100 U	100 U	100 U
Bromomethane	µg/L	100 U	100 U	100 U	100 U	100 U
Carbon disulfide	µg/L	100 U	100 U	100 U	100 U	100 U
Carbon tetrachloride	µg/L	100 U	100 U	100 U	100 U	100 U
Chlorobenzene	µg/L	100 U	100 U	100 U	100 U	100 U
Chloroform	µg/L	100 U	100 U	100 U	100 U	100 U
Chloromethane	µg/L	100 U	100 U	100 U	100 U	100 U
cis-1,3-Dichloropropene	µg/L	100 U	100 U	100 U	100 U	100 U
Dibromochloromethane	µg/L	100 U	100 U	100 U	100 U	100 U
Dibromomethane	µg/L	100 U	100 U	100 U	100 U	100 U
Dichlorodifluoromethane	µg/L	100 U	100 U	100 U	100 U	100 U
Dichloromethane	µg/L	500 U	500 U	500 U	500 U	500 U
Methyl ethyl ketone	µg/L	100 U	100 U	100 U	100 U	100 U
Methyl iso butyl ketone	µg/L	500 U	500 U	500 U	500 U	500 U
trans-1,3-Dichloropropene	µg/L	100 U	100 U	100 U	100 U	100 U
Trichlorofluoromethane	µg/L	100 U	100 U	100 U	100 U	100 U
Vinyl acetate	µg/L	500 U	500 U	500 U	500 U	500 U

	Event	**Great Western Soil Vapor Study (April 2000)**				
	Location	B-10A	B-11	B-44	B-52	B-58
	SampleID	**B-10A**	**B-11**	**B-44**	**B-52**	**B-58**
	Depth (bgs)	9.5 - 14.5 ft	11 - 13 ft	9.5 - 15.5 ft	6.75 - 12.75 ft	7 - 12 ft
	Sample Date	04/17/2000	04/17/2000	04/17/2000	04/17/2000	04/17/2000
BTEX						
Benzene	µg/L	100 U	100 U	100 U	100 U	100 U
Toluene	µg/L	100 U	100 U	3100	100 U	100 U
Ethylbenzene	µg/L	300	100 U	500	100 U	100 U
Xylene (meta & para)	µg/L	590	200 U	720	200 U	200 U
Xylene (ortho)	µg/L	100 U	100 U	460	100 U	100 U
Xylene (total)	µg/L	590	200 U	1180	200 U	200 U
Alkylated Benzenes						
1,3,5-Trimethylbenzene	µg/L	200	100 U	100 U	100 U	100 U
n-Propylbenzene	µg/L	100 U	100 U	100 U	100 U	100 U
1,2,4-Trimethylbenzene	µg/L	370	100 U	150	100 U	100 U
Cymene	µg/L	100 U	100 U	100 U	100 U	100 U
iso-Propylbenzene	µg/L	100 U	100 U	100 U	100 U	100 U
n-Butylbenzene	µg/L	100 U	100 U	100 U	100 U	100 U
sec-Butylbenzene	µg/L	100 U	100 U	100 U	100 U	100 U
Styrene	µg/L	100 U	100 U	100 U	100 U	100 U
tert-Butylbenzene	µg/L	100 U	100 U	100 U	100 U	100 U
Semivolatile Organic Compounds						
Naphthalene	µg/L	100 U	100 U	100 U	100 U	100 U
Hexachlorobutadiene	µg/L	100 U	100 U	100 U	100 U	100 U

	Event	Great Western Soil Vapor Study (April 2000)				
	Location	B-58				
	SampleID	**MW-13 (B-58 Dup)**				
	Depth (bgs)	7 - 12 ft				
	Sample Date	04/17/2000				
Volatile Organic Compounds						
Tetrachloroethene	µg/L	8100				
Trichloroethene	µg/L	7000				
cis-1,2-Dichloroethene	µg/L	14000				
trans-1,2-Dichloroethene	µg/L	260				
1,1-Dichloroethene	µg/L	100 U				
Vinyl chloride	µg/L	2600				
1,1,1,2-Tetrachloroethane	µg/L	100 U				
1,1,1-Trichloroethane	µg/L	100 U				
1,1,2,2-Tetrachloroethane	µg/L	100 U				
1,1,2-Trichloroethane	µg/L	100 U				
1,1-Dichloroethane	µg/L	100 U				
Chloroethane	µg/L	100 U				
1,1-Dichloropropene	µg/L	100 U				
1,2,3-Trichlorobenzene	µg/L	100 U				
1,2,3-Trichloropropane	µg/L	100 U				
1,2,4-Trichlorobenzene	µg/L	100 U				
1,2-Dibromo-3-chloropropane	µg/L	100 U				
1,2-Dibromoethane	µg/L	100 U				
1,2-Dichlorobenzene	µg/L	100 U				
1,2-Dichloroethane	µg/L	100 U				
1,2-Dichloropropane	µg/L	100 U				
1,3-Dichlorobenzene	µg/L	100 U				
1,3-Dichloropropane	µg/L	100 U				
1,4-Dichlorobenzene	µg/L	100 U				
2,2-Dichloropropane	µg/L	100 U				
2-Chloroethyl vinyl ether	µg/L	100 U				
2-Chlorotoluene	µg/L	100 U				
4-Chlorotoluene	µg/L	100 U				
Acetone	µg/L	500 U				
Bromobenzene	µg/L	100 U				
Bromodichloromethane	µg/L	100 U				
Bromoform	µg/L	100 U				
Bromomethane	µg/L	100 U				
Carbon disulfide	µg/L	100 U				
Carbon tetrachloride	µg/L	100 U				
Chlorobenzene	µg/L	100 U				
Chloroform	µg/L	100 U				
Chloromethane	µg/L	100 U				
cis-1,3-Dichloropropene	µg/L	100 U				
Dibromochloromethane	µg/L	100 U				
Dibromomethane	µg/L	100 U				
Dichlorodifluoromethane	µg/L	100 U				
Dichloromethane	µg/L	500 U				
Methyl ethyl ketone	µg/L	100 U				
Methyl iso butyl ketone	µg/L	500 U				
trans-1,3-Dichloropropene	µg/L	100 U				
Trichlorofluoromethane	µg/L	100 U				

	Event	Great Western Soil Vapor Study (April 2000)				
	Location	B-58				
	SampleID	**MW-13 (B-58 Dup)**				
	Depth (bgs)	7 - 12 ft				
	Sample Date	04/17/2000				
Volatile Organic Compounds						
Vinyl acetate	µg/L	500 U				
BTEX						
Benzene	µg/L	100 U				
Toluene	µg/L	100 U				
Ethylbenzene	µg/L	100 U				
Xylene (meta & para)	µg/L	200 U				
Xylene (ortho)	µg/L	100 U				
Xylene (total)	µg/L	200 U				
Alkylated Benzenes						
1,3,5-Trimethylbenzene	µg/L	100 U				
n-Propylbenzene	µg/L	100 U				
1,2,4-Trimethylbenzene	µg/L	100 U				
Cymene	µg/L	100 U				
iso-Propylbenzene	µg/L	100 U				
n-Butylbenzene	µg/L	100 U				
sec-Butylbenzene	µg/L	100 U				
Styrene	µg/L	100 U				
tert-Butylbenzene	µg/L	100 U				
Semivolatile Organic Compounds						
Naphthalene	µg/L	100 U				
Hexachlorobutadiene	µg/L	100 U				

	Event	Annual Monitoring of GWC wells (1999)				
	Location	B-06	B-08	B-09	B-10A	B-11
	SampleID	**B-6**	**B-8**	**B-9**	**B-10A**	**B-11**
	Depth (bgs)	40.5 - 45.5 ft	39.5 - 44.5 ft	38.5 - 43.5 ft	9.5 - 14.5 ft	11 - 13 ft
	Sample Date	10/06/1999	10/25/1999	10/15/1999	10/15/1999	11/03/1999
Volatile Organic Compounds						
Tetrachloroethene	µg/L	1 U	410	2.4	100 U	3000
Trichloroethene	µg/L	1 U	3100	15	950	2800
cis-1,2-Dichloroethene	µg/L	2.8	660	35	13000	14000
trans-1,2-Dichloroethene	µg/L	1 U	50 U	1 U	100 U	140
1,1-Dichloroethene	µg/L	1 U	50 U	1 U	100 U	100 U
Vinyl chloride	µg/L	2.3	50 U	14	1000	1900
1,1,1,2-Tetrachloroethane	µg/L	1 U	50 U	1 U	100 U	100 U
1,1,1-Trichloroethane	µg/L	5 U	250 U	5 U	500 U	140
1,1,2,2-Tetrachloroethane	µg/L	5 U	250 U	5 U	500 U	100 U
1,1,2-Trichloroethane	µg/L	1 U	50 U	1 U	100 U	100 U
1,1-Dichloroethane	µg/L	1 U	50 U	1 U	100 U	100 U
Chloroethane	µg/L	1 U	50 U	1 U	100 U	100 U
1,1-Dichloropropene	µg/L	1 U	50 U	1 U	100 U	100 U
1,2,3-Trichlorobenzene	µg/L	1 U	1000 U	20 U	2000 U	100 U
1,2,3-Trichloropropane	µg/L	5 U	250 U	5 U	500 U	100 U
1,2,4-Trichlorobenzene	µg/L	0.5 U	0.5 U	1 U	0.5 U	100 U
1,2-Dibromo-3-chloropropane	µg/L	20 U	1000 U	20 U	2000 U	500 U
1,2-Dibromoethane	µg/L	1 U	50 U	1 U	100 U	100 U
1,2-Dichlorobenzene	µg/L	1 U	1	1 U	4.1	0.5 U
1,2-Dichloroethane	µg/L	1 U	50 U	50	100 U	100 U
1,2-Dichloropropane	µg/L	1 U	50 U	1 U	100 U	100 U
1,3-Dichlorobenzene	µg/L	0.5 U	50 U	1 U	100 U	100 U
1,3-Dichloropropane	µg/L	1 U	50 U	1 U	100 U	100 U
1,4-Dichlorobenzene	µg/L	0.5 U	0.5 U	0.5 U	0.71	100 U
2,2-Dichloropropane	µg/L	1 U	50 U	1 U	100 U	100 U
2-Chloroethyl vinyl ether	µg/L	20 U	1000 U	20 U	2000 U	500 U
2-Chlorotoluene	µg/L	20 U	1000 U	20 U	2000 U	100 U
4-Chlorotoluene	µg/L	1 U	50 U	1 U	100 U	100 U
Acetone	µg/L	50 UB	2500 UB	50 UB	5000 UB	500 UB
Bromobenzene	µg/L	1 U	1000 U	20 U	2000 U	100 U
Bromodichloromethane	µg/L	5 U	250 U	5 U	500 U	100 U
Bromoform	µg/L	1 U	1000 U	20 U	2000 U	100 U
Bromomethane	µg/L	1 U	50 U	1 U	100 U	100 U
Carbon disulfide	µg/L	1 U	50 U	1 U	100 U	100 U
Carbon tetrachloride	µg/L	1 U	50 U	1 U	100 U	100 U
Chlorobenzene	µg/L	1 U	50 U	1 U	100 U	100 U
Chloroform	µg/L	1 U	50 U	1 U	100 U	100 U
Chloromethane	µg/L	1 U	50 U	1 U	100 U	100 U
cis-1,3-Dichloropropene	µg/L	1 U	50 U	1 U	100 U	100 U
Dibromochloromethane	µg/L	1 U	50 U	1 U	100 U	100 U
Dibromomethane	µg/L	10 U	500 U	10 U	1000 U	100 U
Dichlorodifluoromethane	µg/L	1 U	50 U	1 U	100 U	100 U
Dichloromethane	µg/L	5 U	250 U	5 U	500 U	500 U
Methyl ethyl ketone	µg/L	50 U	2500 U	50 U	5000 U	2000 U
Methyl iso butyl ketone	µg/L	20 U	1000 U	20 U	2000 U	500 U
trans-1,3-Dichloropropene	µg/L	1 U	50 U	1 U	100 U	100 U
Trichlorofluoromethane	µg/L	1 U	50 U	1 U	100 U	100 U
Vinyl acetate	µg/L	20 U	1000 U	20 U	2000 U	500 U

	Event	Annual Monitoring of GWC wells (1999)				
	Location	B-06	B-08	B-09	B-10A	B-11
	SampleID	**B-6**	**B-8**	**B-9**	**B-10A**	**B-11**
	Depth (bgs)	40.5 - 45.5 ft	39.5 - 44.5 ft	38.5 - 43.5 ft	9.5 - 14.5 ft	11 - 13 ft
	Sample Date	10/06/1999	10/25/1999	10/15/1999	10/15/1999	11/03/1999
BTEX						
Benzene	µg/L	1 U	50 U	1 U	100 U	100 U
Toluene	µg/L	1 U	50 U	1 U	110	200
Ethylbenzene	µg/L	1 U	50 U	1 U	340	100 U
Xylene (meta & para)	µg/L	2 U	100 U	2 U	850	200 U
Xylene (ortho)	µg/L	1 U	50 U	1 U	140	100 U
Xylene (total)	µg/L	2 U	100 U	2 U	990	200 U
Alkylated Benzenes						
1,3,5-Trimethylbenzene	µg/L	1 U	50 U	1 U	200	100 U
n-Propylbenzene	µg/L	1 U	50 U	1 U	100 U	100 U
1,2,4-Trimethylbenzene	µg/L	1 U	50 U	1 U	490	100 U
iso-Propylbenzene	µg/L	1 U	50 U	1 U	100 U	100 U
iso-Propyltoluene	µg/L	1 U	50 U	1 U	100 U	100 U
n-Butylbenzene	µg/L	1 U	50 U	1 U	100 U	100 U
sec-Butylbenzene	µg/L	1 U	50 U	1 U	100 U	100 U
Styrene	µg/L	1 U	50 U	1 U	100 U	100 U
tert-Butylbenzene	µg/L	1 U	50 U	1 U	100 U	100 U
Semivolatile Organic Compounds						
Benzo(a)anthracene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Benzo(a)pyrene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Benzo(g,h,i)perylene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Benzo(b)fluoranthene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Benzo(k)fluoranthene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chrysene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Dibenzo(a,h)anthracene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Fluoranthene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Indeno(1,2,3-cd)pyrene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Pyrene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Acenaphthene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Acenaphthylene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Anthracene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Fluorene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Naphthalene	µg/L	20 U	0.5 UB	0.5 UB	2000 U	100 U
Phenanthrene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
bis(2-ethylhexyl)phthalate	µg/L	0.57 UB	0.76 UB	2.7 UB	1.1 UB	6.9 UB
Di-n-butyl phthalate	µg/L	0.5 UB	0.5 UB	0.5 UB	0.5 UB	1.5 UB
Butyl benzyl phthalate	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Diethylphthalate	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Dimethyl phthalate	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Di-n-octyl phthalate	µg/L	5 U	13 U	13 U	13 U	5 U
Pentachlorophenol	µg/L	5 U	0.14 J	5 U	0.6	1900
2,4-Dichlorophenol	µg/L	5 U	5 U	5 U	5 U	5 U
2,4,5-Trichlorophenol	µg/L	5 U	5 U	5 U	5 U	5 U
2,4,6-Trichlorophenol	µg/L	5 U	5 U	5 U	5 U	5 U
2-Chlorophenol	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
2,4-Dimethylphenol	µg/L	0.5 U	0.5 U	0.5 U	1.1	1
2,4-Dinitrophenol	µg/L	5 U	5 U	5 U	5 U	5 U
2,4-Dinitrotoluene	µg/L	5 U	5 U	5 U	5 U	5 U
2,6-Dinitrotoluene	µg/L	5 U	5 U	5 U	5 U	5 U

	Event	Annual Monitoring of GWC wells (1999)				
	Location	B-06	B-08	B-09	B-10A	B-11
	SampleID	**B-6**	**B-8**	**B-9**	**B-10A**	**B-11**
	Depth (bgs)	40.5 - 45.5 ft	39.5 - 44.5 ft	38.5 - 43.5 ft	9.5 - 14.5 ft	11 - 13 ft
	Sample Date	10/06/1999	10/25/1999	10/15/1999	10/15/1999	11/03/1999
Semivolatile Organic Compounds						
2-Chloronaphthalene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
2-Methylphenol	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
2-Nitroaniline	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	5 U
2-Nitrophenol	µg/L	5 U	5 U	5 U	5 U	5 U
3,3'-Dichlorobenzidine	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
2-Methylnaphthalene	µg/L	0.5 U	0.5 U	0.5 U	9.2	0.5 U
3-Nitroaniline	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
4,6-Dinitro-o-cresol	µg/L	5 U	5 U	5 U	5 U	5 U
4-Bromophenyl phenyl ether	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
4-Chloro-3-methylphenol	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
4-Chloroaniline	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
4-Chlorophenyl phenyl ether	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
4-Methylphenol	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	4.9
4-Nitroaniline	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	5 U
4-Nitrophenol	µg/L	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ
Aniline	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Benzidine	µg/L	13 U	13 U	13 U	13 U	13 U
Benzoic acid	µg/L	13 U	13 U	13 U	13 U	13 U
Benzyl alcohol	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
bis(2-chloroethoxy)methane	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
bis(2-chloroethyl)ether	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
bis(2-chloroisopropyl)ether	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Carbazole	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Dibenzofuran	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Hexachlorobenzene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Hexachlorobutadiene	µg/L	10 U	500 U	1 U	100 U	0.5 U
Hexachlorocyclopentadiene	µg/L	5 U	5 U	5 U	5 U	5 U
Hexachloroethane	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Isophorone	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Nitrobenzene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
N-Nitroso-di-n-propylamine	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
N-Nitrosodiphenylamine	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Phenol	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Conventionals						
Ammonia (total as nitrogen)	mg-N/L	0.27	0.32			3.6
Chloride	mg/L	54	7.7			43
Nitrate	mg/L	0.02 J	0.01 J			0.02 J
Nitrite	mg/L	0.04	0.06 U			0.11
Phosphorus	mg/L	0.38	0.12			1.4
Sulfate	mg/L	13	52			56
Dissolved Gases						
Ethane	mg/L	0.0005 U	0.0005 U			
Ethene	mg/L	0.0005 U	0.0005 U			
Methane	mg/L	0.013	0.061			

	Event	Annual Monitoring of GWC wells (1999)				
	Location	B-12	B-13	B-14	B-15	B-16
	SampleID	**B-12**	**B-13**	**B-14**	**B-15**	**B-16**
	Depth (bgs)	10.5 - 13 ft	7 - 12 ft	8.5 - 13.5 ft	12 - 17 ft	11 - 16 ft
	Sample Date	11/03/1999	10/06/1999	10/15/1999	10/25/1999	10/12/1999
Volatile Organic Compounds						
Tetrachloroethene	µg/L	19000	4700	170	20000	470
Trichloroethene	µg/L	3300	200	13	5600	300
cis-1,2-Dichloroethene	µg/L	4500	76	3.8	2100	460
trans-1,2-Dichloroethene	µg/L	500 U	1.7 J	1 U	200 U	8.4
1,1-Dichloroethene	µg/L	500 U	1 U	1 U	200 U	1.6
Vinyl chloride	µg/L	750	1 U	1 U	200 U	340
1,1,1,2-Tetrachloroethane	µg/L	500 U	1 U	1 U	200 U	1 U
1,1,1-Trichloroethane	µg/L	500 U	5 U	5 U	1000 U	5 U
1,1,2,2-Tetrachloroethane	µg/L	500 U	5 U	5 U	1000 U	5 U
1,1,2-Trichloroethane	µg/L	500 U	1 U	1 U	200 U	1 U
1,1-Dichloroethane	µg/L	500 U	1	1 U	200 U	6.1
Chloroethane	µg/L	500 U	1 U	1 U	200 U	1 U
1,1-Dichloropropene	µg/L	500 U	1 U	1 U	200 U	1 U
1,2,3-Trichlorobenzene	µg/L	500 U	1 U	20 U	4000 U	1 U
1,2,3-Trichloropropane	µg/L	500 U	5 U	5 U	1000 U	5 U
1,2,4-Trichlorobenzene	µg/L	500 U	0.5 U	1 U	0.5 U	1 U
1,2-Dibromo-3-chloropropane	µg/L	2500 U	20 U	20 U	4000 U	20 U
1,2-Dibromoethane	µg/L	500 U	1 U	1 U	200 U	1 U
1,2-Dichlorobenzene	µg/L	500 U	1 U	1 U	0.5 U	1.1
1,2-Dichloroethane	µg/L	500 U	1 U	1 U	200 U	1 U
1,2-Dichloropropane	µg/L	500 U	1 U	1 U	200 U	1 U
1,3-Dichlorobenzene	µg/L	6.8	1 U	1 U	200 U	0.5 U
1,3-Dichloropropane	µg/L	500 U	1 U	1 U	200 U	1 U
1,4-Dichlorobenzene	µg/L	500 U	1 U	0.5 U	200 U	1 U
2,2-Dichloropropane	µg/L	500 U	1 U	1 U	200 U	1 U
2-Chloroethyl vinyl ether	µg/L	2500 U	20 U	20 U	4000 U	20 U
2-Chlorotoluene	µg/L	500 U	20 U	20 U	4000 U	20 U
4-Chlorotoluene	µg/L	500 U	1 U	1 U	200 U	1 U
Acetone	µg/L	2500 UB	50 UB	50 UB	10000 UB	50 UB
Bromobenzene	µg/L	500 U	1 U	20 U	4000 U	1 U
Bromodichloromethane	µg/L	500 U	5 U	5 U	1000 U	5 U
Bromoform	µg/L	500 U	1 U	20 U	4000 U	1 U
Bromomethane	µg/L	500 U	1 U	1 U	200 U	1 U
Carbon disulfide	µg/L	500 U	1 U	1 U	200 U	1 U
Carbon tetrachloride	µg/L	500 U	1 U	1 U	200 U	1 U
Chlorobenzene	µg/L	500 U	1 U	1 U	200 U	1 U
Chloroform	µg/L	500 U	1 U	1 U	200 U	1 U
Chloromethane	µg/L	500 U	1 U	1 U	200 U	1 U
cis-1,3-Dichloropropene	µg/L	500 U	1 U	1 U	200 U	1 U
Dibromochloromethane	µg/L	500 U	1 U	1 U	200 U	1 U
Dibromomethane	µg/L	500 U	10 U	10 U	2000 U	10 U
Dichlorodifluoromethane	µg/L	500 U	1 U	1 U	200 U	1 U
Dichloromethane	µg/L	2500 U	5 U	5 U	1000 U	5 U
Methyl ethyl ketone	µg/L	10000 U	50 U	50 U	10000 U	50 U
Methyl iso butyl ketone	µg/L	2500 U	20 U	20 U	4000 U	20 U
trans-1,3-Dichloropropene	µg/L	500 U	1 U	1 U	200 U	1 U
Trichlorofluoromethane	µg/L	500 U	1 U	1 U	200 U	1 U
Vinyl acetate	µg/L	2500 U	20 U	20 U	4000 U	20 U

	Event	Annual Monitoring of GWC wells (1999)				
	Location	B-12	B-13	B-14	B-15	B-16
	SampleID	**B-12**	**B-13**	**B-14**	**B-15**	**B-16**
	Depth (bgs)	10.5 - 13 ft	7 - 12 ft	8.5 - 13.5 ft	12 - 17 ft	11 - 16 ft
	Sample Date	11/03/1999	10/06/1999	10/15/1999	10/25/1999	10/12/1999
BTEX						
Benzene	µg/L	500 U	1 U	1 U	200 U	1 U
Toluene	µg/L	1000	1 U	1 U	200 U	1 U
Ethylbenzene	µg/L	500 U	1 U	1 U	200 U	1 U
Xylene (meta & para)	µg/L	1000 U	2 U	2 U	400 U	2 U
Xylene (ortho)	µg/L	500 U	1 U	1 U	200 U	1 U
Xylene (total)	µg/L	1000 U	2 U	2 U	400 U	2 U
Alkylated Benzenes						
1,3,5-Trimethylbenzene	µg/L	500 U	1 U	1 U	200 U	1 U
n-Propylbenzene	µg/L	500 U	1 U	1 U	200 U	1 U
1,2,4-Trimethylbenzene	µg/L	500 U	1 U	1.5	200 U	1 U
iso-Propylbenzene	µg/L	500 U	1 U	1 U	200 U	1 U
iso-Propyltoluene	µg/L	500 U	1 U	1 U	200 U	1 U
n-Butylbenzene	µg/L	500 U	1 U	1 U	200 U	1 U
sec-Butylbenzene	µg/L	500 U	1 U	1 U	200 U	1 U
Styrene	µg/L	500 U	1 U	1 U	200 U	1 U
tert-Butylbenzene	µg/L	500 U	1 U	1 U	200 U	1 U
Semivolatile Organic Compounds						
Benzo(a)anthracene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Benzo(a)pyrene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Benzo(g,h,i)perylene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Benzo(b)fluoranthene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Benzo(k)fluoranthene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chrysene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Dibenzo(a,h)anthracene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Fluoranthene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Indeno(1,2,3-cd)pyrene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Pyrene	µg/L	0.55	0.5 U	0.5 U	0.5 U	0.5 U
Acenaphthene	µg/L	0.68	0.5 U	0.5 U	0.5 U	0.5 U
Acenaphthylene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Anthracene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Fluorene	µg/L	0.51	0.5 U	0.5 U	0.5 U	0.5 U
Naphthalene	µg/L	500 U	0.5 UB	20 U	0.52 UB	0.5 UB
Phenanthrene	µg/L	1.3	0.5 U	0.5 U	0.5 U	0.5 U
bis(2-ethylhexyl)phthalate	µg/L	5.7 UB	0.51 UB	0.51 UB	1.4 UB	20 UB
Di-n-butyl phthalate	µg/L	33 UB	0.5 UB	0.5 UB	0.5 UB	0.5 UB
Butyl benzyl phthalate	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Diethylphthalate	µg/L	0.77	0.5 U	0.5 U	0.5 U	0.5 U
Dimethyl phthalate	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Di-n-octyl phthalate	µg/L	5 U	5 U	13 U	13 U	5 U
Pentachlorophenol	µg/L	430	5 U	5 U	26	6.3
2,4-Dichlorophenol	µg/L	5 U	5 U	5 U	5 U	5 U
2,4,5-Trichlorophenol	µg/L	5 U	5 U	5 U	5 U	5 U
2,4,6-Trichlorophenol	µg/L	5 U	5 U	5 U	5 U	5 U
2-Chlorophenol	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
2,4-Dimethylphenol	µg/L	30	0.5 U	0.5 U	0.66	0.5 U
2,4-Dinitrophenol	µg/L	5 U	5 U	5 U	5 U	5 U
2,4-Dinitrotoluene	µg/L	5 U	5 U	5 U	5 U	5 U
2,6-Dinitrotoluene	µg/L	5 U	5 U	5 U	5 U	5 U

	Event	**Annual Monitoring of GWC wells (1999)**				
	Location	B-12	B-13	B-14	B-15	B-16
	SampleID	**B-12**	**B-13**	**B-14**	**B-15**	**B-16**
	Depth (bgs)	10.5 - 13 ft	7 - 12 ft	8.5 - 13.5 ft	12 - 17 ft	11 - 16 ft
	Sample Date	11/03/1999	10/06/1999	10/15/1999	10/25/1999	10/12/1999
Semivolatile Organic Compounds						
2-Chloronaphthalene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
2-Methylphenol	µg/L	19	0.5 U	0.5 U	0.5 U	0.5 U
2-Nitroaniline	µg/L	5 U	0.5 U	0.5 U	0.5 U	0.5 U
2-Nitrophenol	µg/L	5 U	5 U	5 U	5 U	5 U
3,3'-Dichlorobenzidine	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
2-Methylnaphthalene	µg/L	1.6	0.5 U	0.5 U	0.5 U	0.5 U
3-Nitroaniline	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
4,6-Dinitro-o-cresol	µg/L	5 U	5 U	5 U	5 U	5 U
4-Bromophenyl phenyl ether	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
4-Chloro-3-methylphenol	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
4-Chloroaniline	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
4-Chlorophenyl phenyl ether	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
4-Methylphenol	µg/L	14	0.5 U	0.5 U	0.5 U	0.5 U
4-Nitroaniline	µg/L	5 U	0.5 U	0.5 U	0.5 U	0.5 U
4-Nitrophenol	µg/L	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ
Aniline	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Benzidine	µg/L	13 U	13 U	13 U	13 U	13 U
Benzoic acid	µg/L	13 U	13 U	13 U	13 U	13 U
Benzyl alcohol	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
bis(2-chloroethoxy)methane	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
bis(2-chloroethyl)ether	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
bis(2-chloroisopropyl)ether	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Carbazole	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Dibenzofuran	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Hexachlorobenzene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Hexachlorobutadiene	µg/L	0.5 U	0.5 U	1 U	2000 U	0.5 U
Hexachlorocyclopentadiene	µg/L	5 U	5 U	5 U	5 U	5 U
Hexachloroethane	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Isophorone	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Nitrobenzene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
N-Nitroso-di-n-propylamine	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
N-Nitrosodiphenylamine	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Phenol	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Conventionals						
Ammonia (total as nitrogen)	mg-N/L	9.2	0.04 U		2.9	1.3
Chloride	mg/L	97	8.9		82	4.1
Nitrate	mg/L	0.33	4.6		3.1	16
Nitrite	mg/L	0.15	0.01 J		0.03 U	0.67
Phosphorus	mg/L	0.51	0.15		0.2	0.1
Sulfate	mg/L	350	97		110	140
Dissolved Gases						
Ethane	mg/L		0.0005 U		0.0011	0.0005 U
Ethene	mg/L		0.0005 U		0.0005 U	0.0005 U
Methane	mg/L		0.00047 J		0.0014	0.0014

	Event	**Annual Monitoring of GWC wells (1999)**				
	Location	B-17	B-18	B-19	B-20A	B-21
	SampleID	**B-17**	**B-18**	**B-19**	**B-20A**	**B-21**
	Depth (bgs)	40 - 50 ft	6 - 16 ft	37.5 - 47.5 ft	6 - 16 ft	38 - 43 ft
	Sample Date	10/12/1999	10/07/1999	10/07/1999	10/14/1999	10/14/1999
Volatile Organic Compounds						
Tetrachloroethene	µg/L	1 U	130	64	920	250 U
Trichloroethene	µg/L	1 U	120	62	240	250 U
cis-1,2-Dichloroethene	µg/L	4.6	6000	25	72	28000
trans-1,2-Dichloroethene	µg/L	1 U	120	1 U	10 U	250 U
1,1-Dichloroethene	µg/L	1 U	140	1 U	10 U	250 U
Vinyl chloride	µg/L	3.3	6100	2.8	10 U	18000
1,1,1,2-Tetrachloroethane	µg/L	1 U	50 U	1 U	10 U	250 U
1,1,1-Trichloroethane	µg/L	5 U	250 U	5 U	50 U	1300 U
1,1,2,2-Tetrachloroethane	µg/L	5 U	250 U	5 U	50 U	1300 U
1,1,2-Trichloroethane	µg/L	1 U	50 U	1 U	10 U	250 U
1,1-Dichloroethane	µg/L	1 U	69	1 U	10 U	250 U
Chloroethane	µg/L	1 U	50 U	1 U	10 U	250 U
1,1-Dichloropropene	µg/L	1 U	50 U	1 U	10 U	250 U
1,2,3-Trichlorobenzene	µg/L	1 U	50 U	1 U	10 U	250 U
1,2,3-Trichloropropane	µg/L	5 U	250 U	5 U	50 U	1300 U
1,2,4-Trichlorobenzene	µg/L	0.5 U	0.5 U	0.5 U	10 U	250 U
1,2-Dibromo-3-chloropropane	µg/L	20 U	1000 U	20 U	200 U	5000 U
1,2-Dibromoethane	µg/L	1 U	50 U	1 U	10 U	250 U
1,2-Dichlorobenzene	µg/L	1 U	0.5 U	0.5 U	10 U	19
1,2-Dichloroethane	µg/L	1 U	50 U	1 U	10 U	250 U
1,2-Dichloropropane	µg/L	1 U	50 U	1 U	10 U	250 U
1,3-Dichlorobenzene	µg/L	0.5 U	50 U	1 U	10 U	0.75
1,3-Dichloropropane	µg/L	1 U	50 U	1 U	10 U	250 U
1,4-Dichlorobenzene	µg/L	1 U	50 U	1 U	10 U	4.4
2,2-Dichloropropane	µg/L	1 U	50 U	1 U	10 U	250 U
2-Chloroethyl vinyl ether	µg/L	20 U	1000 U	20 U	200 U	5000 U
2-Chlorotoluene	µg/L	20 U	1000 U	20 U	200 U	5000 U
4-Chlorotoluene	µg/L	1 U	50 U	1 U	10 U	250 U
Acetone	µg/L	50 UB	2500 UB	50 UB	500 UB	13000 UB
Bromobenzene	µg/L	1 U	50 U	1 U	10 U	250 U
Bromodichloromethane	µg/L	5 U	250 U	5 U	50 U	1300 U
Bromoform	µg/L	1 U	50 U	1 U	10 U	250 U
Bromomethane	µg/L	1 U	50 U	1 U	10 U	250 U
Carbon disulfide	µg/L	1 U	50 U	1 U	10 U	250 U
Carbon tetrachloride	µg/L	1 U	50 U	1 U	10 U	250 U
Chlorobenzene	µg/L	1 U	50 U	1 U	10 U	250 U
Chloroform	µg/L	1 U	50 U	1 U	10 U	250 U
Chloromethane	µg/L	1 U	81	1 U	10 U	250 U
cis-1,3-Dichloropropene	µg/L	1 U	50 U	1 U	10 U	250 U
Dibromochloromethane	µg/L	1 U	50 U	1 U	10 U	250 U
Dibromomethane	µg/L	10 U	500 U	10 U	100 U	2500 U
Dichlorodifluoromethane	µg/L	1 U	50 U	1 U	10 U	250 U
Dichloromethane	µg/L	5 U	250 U	5 U	120	1300 U
Methyl ethyl ketone	µg/L	50 U	2500 U	50 U	500 U	13000 U
Methyl iso butyl ketone	µg/L	20 U	1000 U	20 U	200 U	5000 U
trans-1,3-Dichloropropene	µg/L	1 U	50 U	1 U	10 U	250 U
Trichlorofluoromethane	µg/L	1 U	50 U	1 U	10 U	250 U
Vinyl acetate	µg/L	20 U	1000 U	20 U	200 U	5000 U

	Event	Annual Monitoring of GWC wells (1999)				
	Location	B-17	B-18	B-19	B-20A	B-21
	SampleID	**B-17**	**B-18**	**B-19**	**B-20A**	**B-21**
	Depth (bgs)	40 - 50 ft	6 - 16 ft	37.5 - 47.5 ft	6 - 16 ft	38 - 43 ft
	Sample Date	10/12/1999	10/07/1999	10/07/1999	10/14/1999	10/14/1999
BTEX						
Benzene	µg/L	1 U	50 U	1 U	10 U	250 U
Toluene	µg/L	1 U	50 U	1 U	10 U	690
Ethylbenzene	µg/L	1 U	50 U	1 U	10 U	440
Xylene (meta & para)	µg/L	2 U	100 U	2 U	20 U	500 U
Xylene (ortho)	µg/L	1 U	50 U	1 U	10 U	250 U
Xylene (total)	µg/L	2 U	100 U	2 U	20 U	500 U
Alkylated Benzenes						
1,3,5-Trimethylbenzene	µg/L	1 U	50 U	1 U	10 U	250 U
n-Propylbenzene	µg/L	1 U	50 U	1 U	10 U	250 U
1,2,4-Trimethylbenzene	µg/L	1 U	50 U	1 U	10 U	250 U
iso-Propylbenzene	µg/L	1 U	50 U	1 U	10 U	250 U
iso-Propyltoluene	µg/L	1 U	50 U	1 U	10 U	250 U
n-Butylbenzene	µg/L	1 U	50 U	1 U	10 U	250 U
sec-Butylbenzene	µg/L	1 U	50 U	1 U	10 U	250 U
Styrene	µg/L	1 U	50 U	1 U	10 U	250 U
tert-Butylbenzene	µg/L	1 U	50 U	1 U	10 U	250 U
Semivolatile Organic Compounds						
Benzo(a)anthracene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Benzo(a)pyrene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Benzo(g,h,i)perylene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Benzo(b)fluoranthene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Benzo(k)fluoranthene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chrysene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Dibenzo(a,h)anthracene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Fluoranthene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Indeno(1,2,3-cd)pyrene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Pyrene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Acenaphthene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Acenaphthylene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Anthracene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Fluorene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Naphthalene	µg/L	0.5 UB	1000 U	0.5 UB	200 U	5000 U
Phenanthrene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
bis(2-ethylhexyl)phthalate	µg/L	1.2 UB	0.51 UB	0.62 UB	1.3 UB	0.56 UB
Di-n-butyl phthalate	µg/L	0.5 UB	0.5 UB	0.5 UB	0.5 UB	0.5 UB
Butyl benzyl phthalate	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Diethylphthalate	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Dimethyl phthalate	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Di-n-octyl phthalate	µg/L	5 U	5 U	5 U	5 U	5 U
Pentachlorophenol	µg/L	5 U	13	0.01 J	5 U	5 U
2,4-Dichlorophenol	µg/L	5 U	5 U	5 U	5 U	5 U
2,4,5-Trichlorophenol	µg/L	5 U	5 U	5 U	5 U	5 U
2,4,6-Trichlorophenol	µg/L	5 U	5 U	5 U	5 U	5 U
2-Chlorophenol	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
2,4-Dimethylphenol	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
2,4-Dinitrophenol	µg/L	5 U	5 U	5 U	5 U	5 U
2,4-Dinitrotoluene	µg/L	5 U	5 U	5 U	5 U	5 U
2,6-Dinitrotoluene	µg/L	5 U	5 U	5 U	5 U	5 U

	Event	**Annual Monitoring of GWC wells (1999)**				
	Location	B-17	B-18	B-19	B-20A	B-21
	SampleID	**B-17**	**B-18**	**B-19**	**B-20A**	**B-21**
	Depth (bgs)	40 - 50 ft	6 - 16 ft	37.5 - 47.5 ft	6 - 16 ft	38 - 43 ft
	Sample Date	10/12/1999	10/07/1999	10/07/1999	10/14/1999	10/14/1999
Semivolatile Organic Compounds						
2-Chloronaphthalene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
2-Methylphenol	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
2-Nitroaniline	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
2-Nitrophenol	µg/L	5 U	5 U	5 U	5 U	5 U
3,3'-Dichlorobenzidine	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
2-Methylnaphthalene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
3-Nitroaniline	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
4,6-Dinitro-o-cresol	µg/L	5 U	5 U	5 U	5 U	5 U
4-Bromophenyl phenyl ether	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
4-Chloro-3-methylphenol	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
4-Chloroaniline	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
4-Chlorophenyl phenyl ether	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
4-Methylphenol	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
4-Nitroaniline	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
4-Nitrophenol	µg/L	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ
Aniline	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Benzidine	µg/L	13 U	13 U	13 U	13 U	13 U
Benzoic acid	µg/L	13 U	13 U	13 U	13 U	13 U
Benzyl alcohol	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
bis(2-chloroethoxy)methane	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
bis(2-chloroethyl)ether	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
bis(2-chloroisopropyl)ether	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Carbazole	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Dibenzofuran	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Hexachlorobenzene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Hexachlorobutadiene	µg/L	10 U	500 U	0.5 U	10 U	250 U
Hexachlorocyclopentadiene	µg/L	5 U	5 U	5 U	5 U	5 U
Hexachloroethane	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Isophorone	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Nitrobenzene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
N-Nitroso-di-n-propylamine	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
N-Nitrosodiphenylamine	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Phenol	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Conventionals						
Ammonia (total as nitrogen)	mg-N/L	0.68			0.08	0.06
Chloride	mg/L	110			11	39
Nitrate	mg/L	0.15 U			8.1	0.15 U
Nitrite	mg/L	0.15 U			0.15 U	0.15 U
Phosphorus	mg/L	1.2			0.08	0.23
Sulfate	mg/L	1.9			19	6.9
Dissolved Gases						
Ethane	mg/L	0.0005 U			0.0005 U	0.0005 U
Ethene	mg/L	0.0005 U			0.0005 U	0.004
Methane	mg/L	0.078			0.00051	0.0151

	Event	Annual Monitoring of GWC wells (1999)				
	Location	B-22	B-23	B-24	B-25	B-26
	SampleID	**B-22**	**B-23**	**B-24**	**B-25**	**B-26**
	Depth (bgs)	7 - 13 ft	20.5 - 30.5 ft	6 - 16 ft	27 - 37 ft	8.5 - 13.25 ft
	Sample Date	10/11/1999	10/11/1999	10/06/1999	10/06/1999	10/17/1999
Volatile Organic Compounds						
Tetrachloroethene	µg/L	2100	17	1 U	1 U	4.2
Trichloroethene	µg/L	160	13	1 U	1 U	9.8
cis-1,2-Dichloroethene	µg/L	190	4	1 U	1 U	41
trans-1,2-Dichloroethene	µg/L	100 U	1 U	1 U	1 U	1 U
1,1-Dichloroethene	µg/L	100 U	1 U	1 U	1 U	1 U
Vinyl chloride	µg/L	100 U	1 U	1 U	1 U	1 U
1,1,1,2-Tetrachloroethane	µg/L	100 U	1 U	1 U	1 U	1 U
1,1,1-Trichloroethane	µg/L	500 U	5 U	5 U	5 U	5 U
1,1,2,2-Tetrachloroethane	µg/L	500 U	5 U	5 U	5 U	5 U
1,1,2-Trichloroethane	µg/L	100 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	µg/L	100 U	1 U	1 U	1 U	1 U
Chloroethane	µg/L	100 U	1 U	1 U	1 U	1 U
1,1-Dichloropropene	µg/L	100 U	1 U	1 U	1 U	1 U
1,2,3-Trichlorobenzene	µg/L	100 U	1 U	1 U	1 U	20 U
1,2,3-Trichloropropane	µg/L	500 U	5 U	5 U	5 U	5 U
1,2,4-Trichlorobenzene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	1 U
1,2-Dibromo-3-chloropropane	µg/L	2000 U	20 U	20 U	20 U	20 U
1,2-Dibromoethane	µg/L	100 U	1 U	1 U	1 U	1 U
1,2-Dichlorobenzene	µg/L	100 U	0.5 U	1 U	0.5 U	1 U
1,2-Dichloroethane	µg/L	100 U	1 U	1 U	1 U	1 U
1,2-Dichloropropane	µg/L	100 U	1 U	1 U	1 U	1 U
1,3-Dichlorobenzene	µg/L	0.5 U	0.5 U	1 U	0.5 U	0.5 U
1,3-Dichloropropane	µg/L	100 U	1 U	1 U	1 U	1 U
1,4-Dichlorobenzene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	1 U
2,2-Dichloropropane	µg/L	100 U	1 U	1 U	1 U	1 U
2-Chloroethyl vinyl ether	µg/L	2000 U	20 U	20 U	20 U	20 U
2-Chlorotoluene	µg/L	2000 U	20 U	20 U	20 U	20 U
4-Chlorotoluene	µg/L	100 U	1 U	1 U	1 U	1 U
Acetone	µg/L	5000 UB	50 UB	50 UB	50 UB	50 UB
Bromobenzene	µg/L	100 U	1 U	1 U	1 U	20 U
Bromodichloromethane	µg/L	500 U	5 U	5 U	5 U	5 U
Bromoform	µg/L	100 U	1 U	1 U	1 U	20 U
Bromomethane	µg/L	100 U	1 U	1 U	1 U	1 U
Carbon disulfide	µg/L	100 U	1 U	1 U	1 U	1 U
Carbon tetrachloride	µg/L	100 U	1 U	1 U	1 U	1 U
Chlorobenzene	µg/L	100 U	1 U	1 U	1 U	1 U
Chloroform	µg/L	100 U	1 U	1 U	1 U	1 U
Chloromethane	µg/L	100 U	1 U	1 U	1 U	1 U
cis-1,3-Dichloropropene	µg/L	100 U	1 U	1 U	1 U	1 U
Dibromochloromethane	µg/L	100 U	1 U	1 U	1 U	1 U
Dibromomethane	µg/L	1000 U	10 U	10 U	10 U	10 U
Dichlorodifluoromethane	µg/L	100 U	1 U	1 U	1 U	1 U
Dichloromethane	µg/L	500 U	5 U	5 U	7.8 J	5 U
Methyl ethyl ketone	µg/L	5000 U	50 U	50 U	50 U	50 U
Methyl iso butyl ketone	µg/L	2000 U	20 U	20 U	20 U	20 U
trans-1,3-Dichloropropene	µg/L	100 U	1 U	1 U	1 U	1 U
Trichlorofluoromethane	µg/L	100 U	1 U	1 U	1 U	1 U
Vinyl acetate	µg/L	2000 U	20 U	20 U	20 U	20 U

	Event	Annual Monitoring of GWC wells (1999)				
	Location	B-22	B-23	B-24	B-25	B-26
	SampleID	**B-22**	**B-23**	**B-24**	**B-25**	**B-26**
	Depth (bgs)	7 - 13 ft	20.5 - 30.5 ft	6 - 16 ft	27 - 37 ft	8.5 - 13.25 ft
	Sample Date	10/11/1999	10/11/1999	10/06/1999	10/06/1999	10/17/1999
BTEX						
Benzene	µg/L	100 U	1 U	1 U	1 U	3.7
Toluene	µg/L	100 U	1 U	1 U	1 U	1 U
Ethylbenzene	µg/L	100 U	1 U	1 U	1 U	1 U
Xylene (meta & para)	µg/L	200 U	2 U	2 U	2 U	2 U
Xylene (ortho)	µg/L	100 U	1 U	1 U	1 U	1 U
Xylene (total)	µg/L	200 U	2 U	2 U	2 U	2 U
Alkylated Benzenes						
1,3,5-Trimethylbenzene	µg/L	100 U	1 U	1 U	1 U	1 U
n-Propylbenzene	µg/L	100 U	1 U	1 U	1 U	1 U
1,2,4-Trimethylbenzene	µg/L	100 U	1 U	1 U	1 U	1 U
iso-Propylbenzene	µg/L	100 U	1 U	1 U	1 U	1 U
iso-Propyltoluene	µg/L	100 U	1 U	1 U	1 U	1 U
n-Butylbenzene	µg/L	100 U	1 U	1 U	1 U	1 U
sec-Butylbenzene	µg/L	100 U	1 U	1 U	1 U	1 U
Styrene	µg/L	100 U	1 U	1 U	1 U	1 U
tert-Butylbenzene	µg/L	100 U	1 U	1 U	1 U	1 U
Semivolatile Organic Compounds						
Benzo(a)anthracene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Benzo(a)pyrene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Benzo(g,h,i)perylene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Benzo(b)fluoranthene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Benzo(k)fluoranthene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chrysene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Dibenzo(a,h)anthracene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Fluoranthene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Indeno(1,2,3-cd)pyrene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Pyrene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Acenaphthene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Acenaphthylene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Anthracene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Fluorene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Naphthalene	µg/L	0.5 UB	20 U	0.5 UB	20 U	20 U
Phenanthrene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
bis(2-ethylhexyl)phthalate	µg/L	0.5 UB	1.1 UB	0.5 UB	0.81 UB	2.7 UB
Di-n-butyl phthalate	µg/L	0.5 UB	0.5 UB	0.5 UB	0.5 UB	0.5 UB
Butyl benzyl phthalate	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Diethylphthalate	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Dimethyl phthalate	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Di-n-octyl phthalate	µg/L	5 U	5 U	5 U	5 U	13 U
Pentachlorophenol	µg/L	5 U	0.5 U	5 U	5 U	5 U
2,4-Dichlorophenol	µg/L	5 U	5 U	5 U	5 U	5 U
2,4,5-Trichlorophenol	µg/L	5 U	5 U	5 U	5 U	5 U
2,4,6-Trichlorophenol	µg/L	5 U	5 U	5 U	5 U	5 U
2-Chlorophenol	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
2,4-Dimethylphenol	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
2,4-Dinitrophenol	µg/L	5 U	5 U	5 U	5 U	5 U
2,4-Dinitrotoluene	µg/L	5 U	5 U	5 U	5 U	5 U
2,6-Dinitrotoluene	µg/L	5 U	5 U	5 U	5 U	5 U

	Event	**Annual Monitoring of GWC wells (1999)**				
	Location	B-22	B-23	B-24	B-25	B-26
	SampleID	**B-22**	**B-23**	**B-24**	**B-25**	**B-26**
	Depth (bgs)	7 - 13 ft	20.5 - 30.5 ft	6 - 16 ft	27 - 37 ft	8.5 - 13.25 ft
	Sample Date	10/11/1999	10/11/1999	10/06/1999	10/06/1999	10/17/1999
Semivolatile Organic Compounds						
2-Chloronaphthalene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
2-Methylphenol	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
2-Nitroaniline	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
2-Nitrophenol	µg/L	5 U	5 U	5 U	5 U	5 U
3,3'-Dichlorobenzidine	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
2-Methylnaphthalene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
3-Nitroaniline	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
4,6-Dinitro-o-cresol	µg/L	5 U	5 U	5 U	5 U	5 U
4-Bromophenyl phenyl ether	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
4-Chloro-3-methylphenol	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
4-Chloroaniline	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
4-Chlorophenyl phenyl ether	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
4-Methylphenol	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
4-Nitroaniline	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
4-Nitrophenol	µg/L	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ
Aniline	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Benzidine	µg/L	13 U	13 U	13 U	13 U	13 U
Benzoic acid	µg/L	13 U	13 U	13 U	13 U	13 U
Benzyl alcohol	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
bis(2-chloroethoxy)methane	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
bis(2-chloroethyl)ether	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
bis(2-chloroisopropyl)ether	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Carbazole	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Dibenzofuran	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Hexachlorobenzene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Hexachlorobutadiene	µg/L	1000 U	10 U	0.5 U	10 U	1 U
Hexachlorocyclopentadiene	µg/L	5 U	5 U	5 U	5 U	5 U
Hexachloroethane	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Isophorone	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Nitrobenzene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
N-Nitroso-di-n-propylamine	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
N-Nitrosodiphenylamine	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Phenol	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Conventionals						
Ammonia (total as nitrogen)	mg-N/L	0.04 U	0.07	0.07	1.6	0.11
Chloride	mg/L	3	18	3.9	92	4.6
Nitrate	mg/L	3.5	0.06 J	0.39	0.03 U	0.008 J
Nitrite	mg/L	0.15 U	0.15 U	0.02 J	0.03 U	0.03 U
Phosphorus	mg/L	0.14	0.31	0.17	1.5	1.1
Sulfate	mg/L	30	91	22	0.15 J	130
Dissolved Gases						
Ethane	mg/L	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.093
Ethene	mg/L	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U
Methane	mg/L	0.00086	0.0042	0.0018	0.08	0.46

	Event	Annual Monitoring of GWC wells (1999)				
	Location	B-27	B-28	B-31	B-33A	B-33A
	SampleID	**B-27**	**B-28**	**B-31**	**B-33A**	**B-93 (B-33A DUP)**
	Depth (bgs)	42.5 - 47.5 ft	9 - 14 ft	6.5 - 11.5 ft	28 - 38 ft	28 - 38 ft
	Sample Date	10/17/1999	10/06/1999	11/03/1999	10/13/1999	10/13/1999
Volatile Organic Compounds						
Tetrachloroethene	µg/L	1 U	15	7300	130	200 U
Trichloroethene	µg/L	1 U	2.6	1200	100 U	200 U
cis-1,2-Dichloroethene	µg/L	1.2	6.5	450	21000	14000
trans-1,2-Dichloroethene	µg/L	1 U	1 U	200 U	100	200 U
1,1-Dichloroethene	µg/L	1 U	1 U	200 U	100 U	200 U
Vinyl chloride	µg/L	4.3	1 U	200 U	23000	25000
1,1,1,2-Tetrachloroethane	µg/L	1 U	1 U	200 U	100 U	200 U
1,1,1-Trichloroethane	µg/L	5 U	5 U	210	500 U	1000 U
1,1,2,2-Tetrachloroethane	µg/L	5 U	5 U	200 U	500 U	1000 U
1,1,2-Trichloroethane	µg/L	1 U	1 U	200 U	100 U	200 U
1,1-Dichloroethane	µg/L	1 U	1 U	200 U	170	200 U
Chloroethane	µg/L	1 U	1 U	200 U	100 U	200 U
1,1-Dichloropropene	µg/L	1 U	1 U	200 U	100 U	200 U
1,2,3-Trichlorobenzene	µg/L	20 U	1 U	200 U	100 U	200 U
1,2,3-Trichloropropane	µg/L	5 U	5 U	200 U	500 U	1000 U
1,2,4-Trichlorobenzene	µg/L	0.5 U	0.5 U	5 U	0.5 U	200 U
1,2-Dibromo-3-chloropropane	µg/L	20 U	20 U	1000 U	2000 U	4000 U
1,2-Dibromoethane	µg/L	1 U	1 U	200 U	100 U	200 U
1,2-Dichlorobenzene	µg/L	1 U	0.5 U	200 U	0.5 U	0.5 U
1,2-Dichloroethane	µg/L	1 U	1 U	200 U	100 U	200 U
1,2-Dichloropropane	µg/L	1 U	1 U	200 U	100 U	200 U
1,3-Dichlorobenzene	µg/L	1 U	1 U	200 U	100 U	200 U
1,3-Dichloropropane	µg/L	1 U	1 U	200 U	100 U	200 U
1,4-Dichlorobenzene	µg/L	0.5 U	1 U	5 U	100 U	200 U
2,2-Dichloropropane	µg/L	1 U	1 U	200 U	100 U	200 U
2-Chloroethyl vinyl ether	µg/L	20 U	20 U	1000 U	2000 U	4000 U
2-Chlorotoluene	µg/L	20 U	20 U	200 U	2000 U	4000 U
4-Chlorotoluene	µg/L	1 U	1 U	200 U	100 U	200 U
Acetone	µg/L	50 UB	50 UB	1000 UB	5000 UB	10000 UB
Bromobenzene	µg/L	20 U	1 U	200 U	100 U	200 U
Bromodichloromethane	µg/L	5 U	5 U	200 U	500 U	1000 U
Bromoform	µg/L	20 U	1 U	200 U	100 U	200 U
Bromomethane	µg/L	1 U	1 U	200 U	100 U	200 U
Carbon disulfide	µg/L	1 U	1 U	200 U	100 U	200 U
Carbon tetrachloride	µg/L	1 U	1 U	200 U	100 U	200 U
Chlorobenzene	µg/L	1 U	1 U	200 U	100 U	200 U
Chloroform	µg/L	1 U	1 U	200 U	100 U	200 U
Chloromethane	µg/L	1 U	1 U	200 U	100 U	200 U
cis-1,3-Dichloropropene	µg/L	1 U	1 U	200 U	100 U	200 U
Dibromochloromethane	µg/L	1 U	1 U	200 U	100 U	200 U
Dibromomethane	µg/L	10 U	10 U	200 U	1000 U	2000 U
Dichlorodifluoromethane	µg/L	1 U	1 U	200 U	100 U	200 U
Dichloromethane	µg/L	5 U	7.2 J	1000 U	500 U	1200 J
Methyl ethyl ketone	µg/L	50 U	50 U	4000 U	5000 U	10000 U
Methyl iso butyl ketone	µg/L	20 U	20 U	1000 U	2000 U	4000 U
trans-1,3-Dichloropropene	µg/L	1 U	1 U	200 U	100 U	200 U
Trichlorofluoromethane	µg/L	1 U	1 U	200 U	100 U	200 U
Vinyl acetate	µg/L	20 U	20 U	1000 U	2000 U	4000 U

	Event	**Annual Monitoring of GWC wells (1999)**				
	Location	B-27	B-28	B-31	B-33A	B-33A
	SampleID	**B-27**	**B-28**	**B-31**	**B-33A**	**B-93 (B-33A DUP)**
	Depth (bgs)	42.5 - 47.5 ft	9 - 14 ft	6.5 - 11.5 ft	28 - 38 ft	28 - 38 ft
	Sample Date	10/17/1999	10/06/1999	11/03/1999	10/13/1999	10/13/1999
BTEX						
Benzene	µg/L	1 U	1 U	200 U	100 U	200 U
Toluene	µg/L	1 U	1 U	210	100 U	200 U
Ethylbenzene	µg/L	1 U	1 U	200 U	100 U	200 U
Xylene (meta & para)	µg/L	2 U	2 U	400 U	200 U	400 U
Xylene (ortho)	µg/L	1 U	1 U	200 U	100 U	200 U
Xylene (total)	µg/L	2 U	2 U	400 U	200 U	400 U
Alkylated Benzenes						
1,3,5-Trimethylbenzene	µg/L	1 U	1 U	200 U	100 U	200 U
n-Propylbenzene	µg/L	1 U	1 U	200 U	100 U	200 U
1,2,4-Trimethylbenzene	µg/L	1 U	1 U	200 U	100 U	200 U
iso-Propylbenzene	µg/L	1 U	1 U	200 U	100 U	200 U
iso-Propyltoluene	µg/L	1 U	1 U	200 U	100 U	200 U
n-Butylbenzene	µg/L	1 U	1 U	200 U	100 U	200 U
sec-Butylbenzene	µg/L	1 U	1 U	200 U	100 U	200 U
Styrene	µg/L	1 U	1 U	200 U	100 U	200 U
tert-Butylbenzene	µg/L	1 U	1 U	200 U	100 U	200 U
Semivolatile Organic Compounds						
Benzo(a)anthracene	µg/L	0.5 U	0.5 U	5 U	0.5 U	0.5 U
Benzo(a)pyrene	µg/L	0.5 U	0.5 U	5 U	0.5 U	0.5 U
Benzo(g,h,i)perylene	µg/L	0.5 U	0.5 U	5 U	0.5 U	0.5 U
Benzo(b)fluoranthene	µg/L	0.5 U	0.5 U	5 U	0.5 U	0.5 U
Benzo(k)fluoranthene	µg/L	0.5 U	0.5 U	5 U	0.5 U	0.5 U
Chrysene	µg/L	0.5 U	0.5 U	5 U	0.5 U	0.5 U
Dibenzo(a,h)anthracene	µg/L	0.5 U	0.5 U	5 U	0.5 U	0.5 U
Fluoranthene	µg/L	0.5 U	0.5 U	5 U	0.5 U	0.5 U
Indeno(1,2,3-cd)pyrene	µg/L	0.5 U	0.5 U	5 U	0.5 U	0.5 U
Pyrene	µg/L	0.5 U	0.5 U	5 U	0.5 U	0.5 U
Acenaphthene	µg/L	0.5 U	0.5 U	5 U	0.5 U	0.5 U
Acenaphthylene	µg/L	0.5 U	0.5 U	5 U	0.5 U	0.5 U
Anthracene	µg/L	0.5 U	0.5 U	5 U	0.5 U	0.5 U
Fluorene	µg/L	0.5 U	0.5 U	5 U	0.5 U	0.5 U
Naphthalene	µg/L	0.5 UB	0.5 UB	200 U	2000 U	4000 U
Phenanthrene	µg/L	0.5 U	0.5 U	5 U	0.5 U	0.5 U
bis(2-ethylhexyl)phthalate	µg/L	35 UB	0.5 UB	5 UB	1.6 UB	15 UB
Di-n-butyl phthalate	µg/L	0.5 UB	0.5 UB	5 UB	0.5 UB	0.5 UB
Butyl benzyl phthalate	µg/L	0.5 U	0.5 U	5 U	0.5 U	0.5 U
Diethylphthalate	µg/L	0.5 U	0.5 U	5 U	0.5 U	0.5 U
Dimethyl phthalate	µg/L	0.5 U	0.5 U	5 U	0.5 U	0.5 U
Di-n-octyl phthalate	µg/L	13 U	5 U	50 U	5 U	5 U
Pentachlorophenol	µg/L	5 U	5 U	330	5 U	5 U
2,4-Dichlorophenol	µg/L	5 U	5 U	50 U	5 U	5 U
2,4,5-Trichlorophenol	µg/L	5 U	5 U	50 U	5 U	5 U
2,4,6-Trichlorophenol	µg/L	5 U	5 U	50 U	5 U	5 U
2-Chlorophenol	µg/L	0.5 U	0.5 U	5 U	0.5 U	0.5 U
2,4-Dimethylphenol	µg/L	0.5 U	0.5 U	310	0.5 U	0.5 U
2,4-Dinitrophenol	µg/L	5 U	5 U	50 U	5 U	5 U
2,4-Dinitrotoluene	µg/L	5 U	5 U	50 U	5 U	5 U
2,6-Dinitrotoluene	µg/L	5 U	5 U	50 U	5 U	5 U

	Event	Annual Monitoring of GWC wells (1999)				
	Location	B-27	B-28	B-31	B-33A	B-33A
	SampleID	**B-27**	**B-28**	**B-31**	**B-33A**	**B-93 (B-33A DUP)**
	Depth (bgs)	42.5 - 47.5 ft	9 - 14 ft	6.5 - 11.5 ft	28 - 38 ft	28 - 38 ft
	Sample Date	10/17/1999	10/06/1999	11/03/1999	10/13/1999	10/13/1999
Semivolatile Organic Compounds						
2-Chloronaphthalene	µg/L	0.5 U	0.5 U	5 U	0.5 U	0.5 U
2-Methylphenol	µg/L	0.5 U	0.5 U	60	0.5 U	0.5 U
2-Nitroaniline	µg/L	0.5 U	0.5 U	50 U	0.5 U	0.5 U
2-Nitrophenol	µg/L	5 U	5 U	50 U	5 U	5 U
3,3'-Dichlorobenzidine	µg/L	0.5 U	0.5 U	5 U	0.5 U	0.5 U
2-Methylnaphthalene	µg/L	0.5 U	0.5 U	5 U	0.5 U	0.5 U
3-Nitroaniline	µg/L	0.5 U	0.5 U	5 U	0.5 U	0.5 U
4,6-Dinitro-o-cresol	µg/L	5 U	5 U	50 U	5 U	5 U
4-Bromophenyl phenyl ether	µg/L	0.5 U	0.5 U	5 U	0.5 U	0.5 U
4-Chloro-3-methylphenol	µg/L	0.5 U	0.5 U	5 U	0.5 U	0.5 U
4-Chloroaniline	µg/L	0.5 U	0.5 U	5 U	0.5 U	0.5 U
4-Chlorophenyl phenyl ether	µg/L	0.5 U	0.5 U	5 U	0.5 U	0.5 U
4-Methylphenol	µg/L	0.5 U	0.5 U	6.2	0.5 U	0.5 U
4-Nitroaniline	µg/L	0.5 U	0.5 U	50 U	0.5 U	0.5 U
4-Nitrophenol	µg/L	5 UJ	5 UJ	50 UJ	5 UJ	5 UJ
Aniline	µg/L	0.5 U	0.5 U	5 U	0.5 U	0.5 U
Benzidine	µg/L	13 U	13 U	130 U	13 U	13 U
Benzoic acid	µg/L	13 U	13 U	130 U	13 U	13 U
Benzyl alcohol	µg/L	0.5 U	0.5 U	5 U	0.5 U	0.5 U
bis(2-chloroethoxy)methane	µg/L	0.5 U	0.5 U	5 U	0.5 U	0.5 U
bis(2-chloroethyl)ether	µg/L	0.5 U	0.5 U	5 U	0.5 U	0.5 U
bis(2-chloroisopropyl)ether	µg/L	0.5 U	0.5 U	5 U	0.5 U	0.5 U
Carbazole	µg/L	0.5 U	0.5 U	5 U	0.5 U	0.5 U
Dibenzofuran	µg/L	0.5 U	0.5 U	5 U	0.5 U	0.5 U
Hexachlorobenzene	µg/L	0.5 U	0.5 U	5 U	0.5 U	0.5 U
Hexachlorobutadiene	µg/L	1 U	10 U	5 U	0.5 U	0.5 U
Hexachlorocyclopentadiene	µg/L	5 U	5 U	50 U	5 U	5 U
Hexachloroethane	µg/L	0.5 U	0.5 U	5 U	0.5 U	0.5 U
Isophorone	µg/L	0.5 U	0.5 U	5 U	0.5 U	0.5 U
Nitrobenzene	µg/L	0.5 U	0.5 U	5 U	0.5 U	0.5 U
N-Nitroso-di-n-propylamine	µg/L	0.5 U	0.5 U	5 U	0.5 U	0.5 U
N-Nitrosodiphenylamine	µg/L	0.5 U	0.5 U	5 U	0.5 U	0.5 U
Phenol	µg/L	0.5 U	0.5 U	5 U	0.5 U	0.5 U
Conventionals						
Ammonia (total as nitrogen)	mg-N/L	0.69	0.04 U	14	0.6	
Chloride	mg/L	110	9.3	110	730	
Nitrate	mg/L	0.02 J	0.97	4.6	0.3 U	
Nitrite	mg/L	0.03 U	0.02 J	0.19	0.3 U	
Phosphorus	mg/L	1.2	0.15	1.6	0.4	
Sulfate	mg/L	0.3	150	250	86	
Dissolved Gases						
Ethane	mg/L	0.0025 U	0.0005 U	0.0005 U	0.0005 U	
Ethene	mg/L	0.006	0.0005 U	0.0005 U	0.083	
Methane	mg/L	0.625	0.0005 U	0.001	0.058	

	Event	Annual Monitoring of GWC wells (1999)				
	Location	B-34	B-35	B-36	B-37	B-38
	SampleID	**B-34**	**B-35**	**B-36**	**B-37**	**B-38**
	Depth (bgs)	7.5 - 12.5 ft	19.5 - 29.5 ft	6 - 11 ft	23 - 28 ft	6 - 16 ft
	Sample Date	10/13/1999	10/13/1999	10/13/1999	10/17/1999	10/17/1999
Volatile Organic Compounds						
Tetrachloroethene	µg/L	11	100 U	180	1 U	5 U
Trichloroethene	µg/L	5.7	100 U	150	1 U	5.2
cis-1,2-Dichloroethene	µg/L	7.6	450	290	1 U	21
trans-1,2-Dichloroethene	µg/L	1 U	100 U	3.2	1 U	5 U
1,1-Dichloroethene	µg/L	1 U	100 U	2 U	1 U	5 U
Vinyl chloride	µg/L	2.2	2300	210	1 U	5 U
1,1,1,2-Tetrachloroethane	µg/L	1 U	100 U	2 U	1 U	5 U
1,1,1-Trichloroethane	µg/L	5 U	500 U	10 U	5 U	25 U
1,1,2,2-Tetrachloroethane	µg/L	5 U	500 U	10 U	5 U	25 U
1,1,2-Trichloroethane	µg/L	1 U	100 U	2 U	1 U	5 U
1,1-Dichloroethane	µg/L	1 U	220	9.5	1 U	5 U
Chloroethane	µg/L	1 U	100 U	2 U	1 U	5 U
1,1-Dichloropropene	µg/L	1 U	100 U	2 U	1 U	5 U
1,2,3-Trichlorobenzene	µg/L	1 U	100 U	2 U	20 U	100 U
1,2,3-Trichloropropane	µg/L	5 U	500 U	10 U	5 U	25 U
1,2,4-Trichlorobenzene	µg/L	1 U	100 U	0.5 U	1 U	0.5 U
1,2-Dibromo-3-chloropropane	µg/L	20 U	2000 U	40 U	20 U	100 U
1,2-Dibromoethane	µg/L	1 U	100 U	2 U	1 U	5 U
1,2-Dichlorobenzene	µg/L	1 U	2.2	2 U	1 U	5 U
1,2-Dichloroethane	µg/L	1 U	100 U	2 U	1 U	5 U
1,2-Dichloropropane	µg/L	1 U	100 U	2 U	1 U	5 U
1,3-Dichlorobenzene	µg/L	0.5 U	100 U	2 U	1 U	0.5 U
1,3-Dichloropropane	µg/L	1 U	100 U	2 U	1 U	5 U
1,4-Dichlorobenzene	µg/L	1 U	0.5 U	0.5 U	0.5 U	0.5 U
2,2-Dichloropropane	µg/L	1 U	100 U	2 U	1 U	5 U
2-Chloroethyl vinyl ether	µg/L	20 U	2000 U	40 U	20 U	100 U
2-Chlorotoluene	µg/L	20 U	2000 U	40 U	20 U	100 U
4-Chlorotoluene	µg/L	1 U	100 U	2 U	1 U	5 U
Acetone	µg/L	50 UB	5000 UB	100 UB	50 UB	250 UB
Bromobenzene	µg/L	1 U	100 U	2 U	20 U	100 U
Bromodichloromethane	µg/L	5 U	500 U	10 U	5 U	25 U
Bromoform	µg/L	1 U	100 U	2 U	20 U	100 U
Bromomethane	µg/L	1 U	100 U	2 U	1 U	5 U
Carbon disulfide	µg/L	1 U	100 U	2 U	1 U	5 U
Carbon tetrachloride	µg/L	1 U	100 U	2 U	1 U	5 U
Chlorobenzene	µg/L	1 U	100 U	2 U	1 U	5 U
Chloroform	µg/L	1 U	100 U	2 U	1 U	5 U
Chloromethane	µg/L	1 U	100 U	2 U	1 U	5 U
cis-1,3-Dichloropropene	µg/L	1 U	100 U	2 U	1 U	5 U
Dibromochloromethane	µg/L	1 U	100 U	2 U	1 U	5 U
Dibromomethane	µg/L	10 U	1000 U	20 U	10 U	50 U
Dichlorodifluoromethane	µg/L	1 U	100 U	2 U	1 U	5 U
Dichloromethane	µg/L	5 U	500 U	20 J	5 U	25 U
Methyl ethyl ketone	µg/L	50 U	5000 U	100 U	50 U	250 U
Methyl iso butyl ketone	µg/L	20 U	2000 U	40 U	20 U	100 U
trans-1,3-Dichloropropene	µg/L	1 U	100 U	2 U	1 U	5 U
Trichlorofluoromethane	µg/L	1 U	100 U	2 U	1 U	5 U
Vinyl acetate	µg/L	20 U	2000 U	40 U	20 U	100 U

	Event	Annual Monitoring of GWC wells (1999)				
	Location	B-34	B-35	B-36	B-37	B-38
	SampleID	**B-34**	**B-35**	**B-36**	**B-37**	**B-38**
	Depth (bgs)	7.5 - 12.5 ft	19.5 - 29.5 ft	6 - 11 ft	23 - 28 ft	6 - 16 ft
	Sample Date	10/13/1999	10/13/1999	10/13/1999	10/17/1999	10/17/1999
BTEX						
Benzene	µg/L	1 U	100 U	2.7	1 U	5 U
Toluene	µg/L	1 U	1700	2 U	1 U	11
Ethylbenzene	µg/L	1 U	190	2 U	1 U	21
Xylene (meta & para)	µg/L	2 U	210	4 U	2 U	98
Xylene (ortho)	µg/L	1 U	100 U	2 U	1 U	120
Xylene (total)	µg/L	2 U	210	4 U	2 U	218
Alkylated Benzenes						
1,3,5-Trimethylbenzene	µg/L	1 U	100 U	2 U	1 U	240
n-Propylbenzene	µg/L	1 U	100 U	2 U	1 U	89
1,2,4-Trimethylbenzene	µg/L	1 U	100 U	2 U	1 U	1000 J
iso-Propylbenzene	µg/L	1 U	100 U	2 U	1 U	34
iso-Propyltoluene	µg/L	1 U	100 U	2 U	1 U	56
n-Butylbenzene	µg/L	1 U	100 U	2 U	1 U	5 U
sec-Butylbenzene	µg/L	1 U	100 U	2 U	1 U	31
Styrene	µg/L	1 U	100 U	2 U	1 U	5 U
tert-Butylbenzene	µg/L	1 U	100 U	2 U	1 U	5 U
Semivolatile Organic Compounds						
Benzo(a)anthracene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Benzo(a)pyrene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Benzo(g,h,i)perylene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Benzo(b)fluoranthene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Benzo(k)fluoranthene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chrysene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Dibenzo(a,h)anthracene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Fluoranthene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Indeno(1,2,3-cd)pyrene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Pyrene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.59
Acenaphthene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Acenaphthylene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Anthracene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Fluorene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Naphthalene	µg/L	0.5 UB	1.3 UB	0.5 UB	0.5 UB	58 UB
Phenanthrene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
bis(2-ethylhexyl)phthalate	µg/L	0.74 UB	0.68 UB	0.54 UB	0.71 UB	2.4 UB
Di-n-butyl phthalate	µg/L	0.5 UB	0.5 UB	0.5 UB	0.5 UB	0.61 UB
Butyl benzyl phthalate	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Diethylphthalate	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Dimethyl phthalate	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Di-n-octyl phthalate	µg/L	5 U	5 U	5 U	13 U	13 U
Pentachlorophenol	µg/L	5 U	6.5	5 U	5 U	5500
2,4-Dichlorophenol	µg/L	5 U	5 U	5 U	5 U	5 U
2,4,5-Trichlorophenol	µg/L	5 U	5 U	5 U	5 U	5 U
2,4,6-Trichlorophenol	µg/L	5 U	5 U	5 U	5 U	5 U
2-Chlorophenol	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
2,4-Dimethylphenol	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
2,4-Dinitrophenol	µg/L	5 U	5 U	5 U	5 U	5 U
2,4-Dinitrotoluene	µg/L	5 U	5 U	5 U	5 U	5 U
2,6-Dinitrotoluene	µg/L	5 U	5 U	5 U	5 U	5 U

	Event	**Annual Monitoring of GWC wells (1999)**				
	Location	B-34	B-35	B-36	B-37	B-38
	SampleID	**B-34**	**B-35**	**B-36**	**B-37**	**B-38**
	Depth (bgs)	7.5 - 12.5 ft	19.5 - 29.5 ft	6 - 11 ft	23 - 28 ft	6 - 16 ft
	Sample Date	10/13/1999	10/13/1999	10/13/1999	10/17/1999	10/17/1999
Semivolatile Organic Compounds						
2-Chloronaphthalene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	2.1
2-Methylphenol	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
2-Nitroaniline	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
2-Nitrophenol	µg/L	5 U	5 U	5 U	5 U	5 U
3,3'-Dichlorobenzidine	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
2-Methylnaphthalene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	26
3-Nitroaniline	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
4,6-Dinitro-o-cresol	µg/L	5 U	5 U	5 U	5 U	6.5 J
4-Bromophenyl phenyl ether	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
4-Chloro-3-methylphenol	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	3.8
4-Chloroaniline	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
4-Chlorophenyl phenyl ether	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
4-Methylphenol	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.88
4-Nitroaniline	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
4-Nitrophenol	µg/L	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ
Aniline	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Benzidine	µg/L	13 U	13 U	13 U	13 U	13 U
Benzoic acid	µg/L	13 U	13 U	13 U	13 U	13 U
Benzyl alcohol	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
bis(2-chloroethoxy)methane	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
bis(2-chloroethyl)ether	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
bis(2-chloroisopropyl)ether	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Carbazole	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Dibenzofuran	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Hexachlorobenzene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Hexachlorobutadiene	µg/L	10 U	0.5 U	0.5 U	1 U	0.5 U
Hexachlorocyclopentadiene	µg/L	5 U	5 U	5 U	5 U	5 U
Hexachloroethane	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Isophorone	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	2.5
Nitrobenzene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
N-Nitroso-di-n-propylamine	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
N-Nitrosodiphenylamine	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Phenol	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	2.5
Conventionals						
Ammonia (total as nitrogen)	mg-N/L	0.09	0.28	0.13		
Chloride	mg/L	11000	36	4.5		
Nitrate	mg/L	0.55 J	0.03 U	0.25		
Nitrite	mg/L	11 J	0.03 U	0.03 U		
Phosphorus	mg/L	0.1	0.68	0.37		
Sulfate	mg/L	1600	5.2	19		
Dissolved Gases						
Ethane	mg/L	0.0005 U	0.026	0.0005 U		
Ethene	mg/L	0.0005 U	0.077	0.0013		
Methane	mg/L	0.0005 U	0.034	0.0022		

	Event	Annual Monitoring of GWC wells (1999)				
	Location	B-39	B-42	B-44	B-45	B-45
	SampleID	**B-39**	**B-42**	**B-44**	**B-45**	**B-92 (B-45 DUP)**
	Depth (bgs)	5.5 - 11.82 ft	5.75 - 11.75 ft	9.5 - 15.5 ft	37 - 47 ft	37 - 47 ft
	Sample Date	10/18/1999	10/18/1999	10/11/1999	10/11/1999	10/11/1999
Volatile Organic Compounds						
Tetrachloroethene	µg/L	40000 J	36000	57000 J	1400	1000
Trichloroethene	µg/L	7500 J	9000	7800	10000	9600
cis-1,2-Dichloroethene	µg/L	11000 J	28000	10000	21000	20000
trans-1,2-Dichloroethene	µg/L	1000 UJ	1000 U	100 U	140	170
1,1-Dichloroethene	µg/L	1000 UJ	1000 U	100 U	100 U	100 U
Vinyl chloride	µg/L	1900 J	1000 U	490	270	230
1,1,1,2-Tetrachloroethane	µg/L	1000 UJ	1000 U	100 U	100 U	100 U
1,1,1-Trichloroethane	µg/L	5000 UJ	5000 U	500 U	500 U	500 U
1,1,2,2-Tetrachloroethane	µg/L	5000 UJ	5000 U	500 U	500 U	500 U
1,1,2-Trichloroethane	µg/L	1000 UJ	1000 U	100 U	100 U	100 U
1,1-Dichloroethane	µg/L	1000 UJ	1000 U	100 U	100 U	100 U
Chloroethane	µg/L	1000 UJ	1000 U	100 U	100 U	100 U
1,1-Dichloropropene	µg/L	1000 UJ	1000 U	100 U	100 U	100 U
1,2,3-Trichlorobenzene	µg/L	1000 UJ	1000 U	100 U	100 U	100 U
1,2,3-Trichloropropane	µg/L	5000 UJ	5000 U	500 U	500 U	500 U
1,2,4-Trichlorobenzene	µg/L	1000 UJ	5 U	100 U	100 U	100 U
1,2-Dibromo-3-chloropropane	µg/L	20000 UJ	20000 U	2000 U	2000 U	2000 U
1,2-Dibromoethane	µg/L	1000 UJ	1000 U	100 U	100 U	100 U
1,2-Dichlorobenzene	µg/L	1000 UJ	1000 U	88	100 U	2.7
1,2-Dichloroethane	µg/L	1000 UJ	1000 U	100 U	100 U	100 U
1,2-Dichloropropane	µg/L	1000 UJ	1000 U	100 U	100 U	100 U
1,3-Dichlorobenzene	µg/L	5 UJ	1000 U	100 U	100 U	100 U
1,3-Dichloropropane	µg/L	1000 UJ	1000 U	100 U	100 U	100 U
1,4-Dichlorobenzene	µg/L	22 J	1000 U	100 U	0.5 U	0.53
2,2-Dichloropropane	µg/L	1000 UJ	1000 U	100 U	100 U	100 U
2-Chloroethyl vinyl ether	µg/L	20000 UJ	20000 U	2000 U	2000 U	2000 U
2-Chlorotoluene	µg/L	20000 UJ	20000 U	2000 U	2000 U	2000 U
4-Chlorotoluene	µg/L	1000 UJ	1000 U	100 U	100 U	100 U
Acetone	µg/L	50000 UB	50000 UB	5000 UB	5000 UB	5000 UB
Bromobenzene	µg/L	1000 UJ	1000 U	100 U	100 U	100 U
Bromodichloromethane	µg/L	5000 UJ	5000 U	500 U	500 U	500 U
Bromoform	µg/L	1000 UJ	1000 U	100 U	100 U	100 U
Bromomethane	µg/L	1000 UJ	1000 U	100 U	100 U	100 U
Carbon disulfide	µg/L	1000 UJ	1000 U	100 U	100 U	100 U
Carbon tetrachloride	µg/L	1000 UJ	1000 U	100 U	100 U	100 U
Chlorobenzene	µg/L	1000 UJ	1000 U	100 U	100 U	100 U
Chloroform	µg/L	1000 UJ	1000 U	100 U	100 U	100 U
Chloromethane	µg/L	1000 U	1000 U	100 U	100 U	100 U
cis-1,3-Dichloropropene	µg/L	1000 UJ	1000 U	100 U	100 U	100 U
Dibromochloromethane	µg/L	1000 UJ	1000 U	100 U	100 U	100 U
Dibromomethane	µg/L	10000 UJ	10000 U	1000 U	1000 U	1000 U
Dichlorodifluoromethane	µg/L	1000 UJ	1000 U	100 U	100 U	100 U
Dichloromethane	µg/L	5000 UJ	5000 U	500 U	500 U	500 U
Methyl ethyl ketone	µg/L	50000 UJ	50000 U	5000 U	5000 U	5000 U
Methyl iso butyl ketone	µg/L	20000 UJ	20000 U	2000 U	2000 U	2000 U
trans-1,3-Dichloropropene	µg/L	1000 UJ	1000 U	100 U	100 U	100 U
Trichlorofluoromethane	µg/L	1000 UJ	1000 U	100 U	100 U	100 U
Vinyl acetate	µg/L	20000 UJ	20000 U	2000 U	2000 U	2000 U

	Event	Annual Monitoring of GWC wells (1999)				
	Location	B-39	B-42	B-44	B-45	B-45
	SampleID	**B-39**	**B-42**	**B-44**	**B-45**	**B-92 (B-45 DUP)**
	Depth (bgs)	5.5 - 11.82 ft	5.75 - 11.75 ft	9.5 - 15.5 ft	37 - 47 ft	37 - 47 ft
	Sample Date	10/18/1999	10/18/1999	10/11/1999	10/11/1999	10/11/1999
BTEX						
Benzene	µg/L	1000 UJ	1000 U	100 U	100 U	100 U
Toluene	µg/L	1000 UJ	4700	2400	250	250
Ethylbenzene	µg/L	1000 UJ	1000	330	100 U	100 U
Xylene (meta & para)	µg/L	2000 UJ	2000 U	660	200 U	200 U
Xylene (ortho)	µg/L	1000 UJ	1000 U	490	100 U	100 U
Xylene (total)	µg/L	2000 UJ	2000 U	1150	200 U	200 U
Alkylated Benzenes						
1,3,5-Trimethylbenzene	µg/L	1000 UJ	1000 U	100 U	100 U	100 U
n-Propylbenzene	µg/L	1000 UJ	1000 U	100 U	100 U	100 U
1,2,4-Trimethylbenzene	µg/L	2300 J	1400	120	100 U	100 U
iso-Propylbenzene	µg/L	1000 UJ	1000 U	100 U	100 U	100 U
iso-Propyltoluene	µg/L	1000 UJ	1000 U	100 U	100 U	100 U
n-Butylbenzene	µg/L	1000 UJ	1000 U	100 U	100 U	100 U
sec-Butylbenzene	µg/L	1000 UJ	1000 U	100 U	100 U	100 U
Styrene	µg/L	1000 UJ	1000 U	100 U	100 U	100 U
tert-Butylbenzene	µg/L	1000 UJ	1000 U	100 U	100 U	100 U
Semivolatile Organic Compounds						
Benzo(a)anthracene	µg/L	5 UJ	5 U	5 U	0.5 U	0.5 U
Benzo(a)pyrene	µg/L	5 UJ	5 U	5 U	0.5 U	0.5 U
Benzo(g,h,i)perylene	µg/L	5 UJ	5 U	5 U	0.5 U	0.5 U
Benzo(b)fluoranthene	µg/L	5 UJ	5 U	5 U	0.5 U	0.5 U
Benzo(k)fluoranthene	µg/L	5 UJ	5 U	5 U	0.5 U	0.5 U
Chrysene	µg/L	5 UJ	5 U	5 U	0.5 U	0.5 U
Dibenzo(a,h)anthracene	µg/L	5 UJ	5 U	5 U	0.5 U	0.5 U
Fluoranthene	µg/L	5 UJ	5 U	5 U	0.5 U	0.5 U
Indeno(1,2,3-cd)pyrene	µg/L	5 UJ	5 U	5 U	0.5 U	0.5 U
Pyrene	µg/L	5 UJ	5 U	5 U	0.5 U	0.5 U
Acenaphthene	µg/L	5 UJ	5 U	5 U	0.5 U	0.5 U
Acenaphthylene	µg/L	5 UJ	5 U	5 U	0.5 U	0.5 U
Anthracene	µg/L	5 UJ	5 U	5 U	0.5 U	0.5 U
Fluorene	µg/L	5 UJ	5 U	5 U	0.5 U	0.5 U
Naphthalene	µg/L	5 UB	13 UB	5 UB	0.5 UB	0.55 UB
Phenanthrene	µg/L	5 UJ	5 U	5 U	0.5 U	0.5 U
bis(2-ethylhexyl)phthalate	µg/L	5 UB	5 UB	5 UB	0.66 UB	1.6 UB
Di-n-butyl phthalate	µg/L	25 UB	250 UB	16 UB	0.5 UB	0.5 UB
Butyl benzyl phthalate	µg/L	5 UJ	5 U	5 U	0.5 U	0.5 U
Diethylphthalate	µg/L	5 UJ	5 U	5 U	0.5 U	0.5 U
Dimethyl phthalate	µg/L	5 UJ	5 U	5 U	0.5 U	0.5 U
Di-n-octyl phthalate	µg/L	130 UJ	130 U	50 U	5 U	5 U
Pentachlorophenol	µg/L	380 J	370	360	24	29
2,4-Dichlorophenol	µg/L	50 UJ	50 U	50 U	5 U	5 U
2,4,5-Trichlorophenol	µg/L	50 UJ	50 U	50 U	5 U	5 U
2,4,6-Trichlorophenol	µg/L	50 UJ	50 U	50 U	5 U	5 U
2-Chlorophenol	µg/L	5 UJ	5 U	5 U	0.5 U	0.5 U
2,4-Dimethylphenol	µg/L	7.2 J	5 U	12	0.5 U	0.5 U
2,4-Dinitrophenol	µg/L	50 UJ	50 U	50 U	5 U	5 U
2,4-Dinitrotoluene	µg/L	50 UJ	50 U	50 U	5 U	5 U
2,6-Dinitrotoluene	µg/L	50 UJ	50 U	50 U	5 U	5 U

	Event	**Annual Monitoring of GWC wells (1999)**				
	Location	B-39	B-42	B-44	B-45	B-45
	SampleID	**B-39**	**B-42**	**B-44**	**B-45**	**B-92 (B-45 DUP)**
	Depth (bgs)	5.5 - 11.82 ft	5.75 - 11.75 ft	9.5 - 15.5 ft	37 - 47 ft	37 - 47 ft
	Sample Date	10/18/1999	10/18/1999	10/11/1999	10/11/1999	10/11/1999
Semivolatile Organic Compounds						
2-Chloronaphthalene	µg/L	5 UJ	5 U	5 U	0.5 U	0.5 U
2-Methylphenol	µg/L	11 J	28	18	0.5 U	0.5 U
2-Nitroaniline	µg/L	5 UJ	5 U	5 U	0.5 U	0.5 U
2-Nitrophenol	µg/L	50 UJ	50 U	50 U	5 U	5 U
3,3'-Dichlorobenzidine	µg/L	5 UJ	5 U	5 U	0.5 U	0.5 U
2-Methylnaphthalene	µg/L	5 UJ	5 U	5 U	0.5 U	0.5 U
3-Nitroaniline	µg/L	5 UJ	5 U	5 U	0.5 U	0.5 U
4,6-Dinitro-o-cresol	µg/L	50 UJ	50 U	50 U	5 U	5 U
4-Bromophenyl phenyl ether	µg/L	5 UJ	5 U	5 U	0.5 U	0.5 U
4-Chloro-3-methylphenol	µg/L	5 UJ	5 U	5 U	0.5 U	0.5 U
4-Chloroaniline	µg/L	5 UJ	5 U	5 U	0.5 U	0.5 U
4-Chlorophenyl phenyl ether	µg/L	5 UJ	5 U	5 U	0.5 U	0.5 U
4-Methylphenol	µg/L	10 J	54	15	0.5 U	0.5 U
4-Nitroaniline	µg/L	5 UJ	5 U	5 U	0.5 U	0.5 U
4-Nitrophenol	µg/L	50 UJ	50 UJ	50 UJ	5 UJ	5 UJ
Aniline	µg/L	5 UJ	5 U	5 U	0.5 U	0.5 U
Benzidine	µg/L	130 UJ	130 U	130 U	13 U	13 U
Benzoic acid	µg/L	130 UJ	130 U	130 U	13 U	13 U
Benzyl alcohol	µg/L	5 UJ	5 U	5 U	0.5 U	0.5 U
bis(2-chloroethoxy)methane	µg/L	5 UJ	5 U	5 U	0.5 U	0.5 U
bis(2-chloroethyl)ether	µg/L	5 UJ	5 U	5 U	0.5 U	0.5 U
bis(2-chloroisopropyl)ether	µg/L	5 UJ	5 U	5 U	0.5 U	0.5 U
Carbazole	µg/L	5 UJ	5 U	5 U	0.5 U	0.5 U
Dibenzofuran	µg/L	5 UJ	5 U	5 U	0.5 U	0.5 U
Hexachlorobenzene	µg/L	5 UJ	5 U	5 U	0.5 U	0.5 U
Hexachlorobutadiene	µg/L	10000 UJ	10000 U	5 U	1000 U	0.5 U
Hexachlorocyclopentadiene	µg/L	50 UJ	50 U	50 U	5 U	5 U
Hexachloroethane	µg/L	5 UJ	5 U	5 U	0.5 U	0.5 U
Isophorone	µg/L	5 UJ	5 U	5 U	0.5 U	0.5 U
Nitrobenzene	µg/L	5 UJ	5 U	5 U	0.5 U	0.5 U
N-Nitroso-di-n-propylamine	µg/L	5 UJ	5 U	5 U	0.5 U	0.5 U
N-Nitrosodiphenylamine	µg/L	5 UJ	5 U	5 U	0.5 U	0.5 U
Phenol	µg/L	5 UJ	5 U	5 U	0.5 U	0.5 U
Conventionals						
Ammonia (total as nitrogen)	mg-N/L		22	9.1	0.29	
Chloride	mg/L		130	130	28	
Nitrate	mg/L		0.2	1.7	0.15 U	
Nitrite	mg/L		0.19	0.3 U	0.15 U	
Phosphorus	mg/L		1.1	0.31	0.25	
Sulfate	mg/L		550	400	34	
Dissolved Gases						
Ethane	mg/L		0.0025 U	0.0005 U	0.0021	
Ethene	mg/L		0.131	0.0099	0.0021	
Methane	mg/L		0.197	0.012	0.0098	

	Event	Annual Monitoring of GWC wells (1999)				
	Location	B-46	B-47	B-47	B-49	B-52
	SampleID	**B-46**	**B-47**	**B-95 (B-47 DUP)**	**B-49**	**B-52**
	Depth (bgs)	7.3 - 13.3 ft	6.8 - 12.8 ft	6.8 - 12.8 ft	9.5 - 15.5 ft	6.75 - 12.75 ft
	Sample Date	10/18/1999	10/18/1999	10/18/1999	10/18/1999	10/07/1999
Volatile Organic Compounds						
Tetrachloroethene	µg/L	31000	54000	56000	69000	3300
Trichloroethene	µg/L	18000	21000	22000	19000	830
cis-1,2-Dichloroethene	µg/L	13000	33000	29000	25000	13000 J
trans-1,2-Dichloroethene	µg/L	1000 U	1000 U	1000 U	1000 U	140
1,1-Dichloroethene	µg/L	1000 U	1000 U	1000 U	1000 U	50 U
Vinyl chloride	µg/L	1400	1000 U	1000 U	1000 U	3100
1,1,1,2-Tetrachloroethane	µg/L	1000 U	1000 U	1000 U	1000 U	50 U
1,1,1-Trichloroethane	µg/L	5000 U	5000 U	5000 U	5000 U	250 U
1,1,2,2-Tetrachloroethane	µg/L	5000 U	5000 U	5000 U	5000 U	250 U
1,1,2-Trichloroethane	µg/L	1000 U	1000 U	1000 U	1000 U	50 U
1,1-Dichloroethane	µg/L	1000 U	1000 U	1000 U	1000 U	50 U
Chloroethane	µg/L	1000 U	1000 U	1000 U	1000 U	50 U
1,1-Dichloropropene	µg/L	1000 U	1000 U	1000 U	1000 U	50 U
1,2,3-Trichlorobenzene	µg/L	1000 U	1000 U	1000 U	1000 U	50 U
1,2,3-Trichloropropane	µg/L	5000 U	5000 U	5000 U	5000 U	250 U
1,2,4-Trichlorobenzene	µg/L	5 U	10 U	10 U	1000 U	0.5 U
1,2-Dibromo-3-chloropropane	µg/L	20000 U	20000 U	20000 U	20000 U	1000 U
1,2-Dibromoethane	µg/L	1000 U	1000 U	1000 U	1000 U	50 U
1,2-Dichlorobenzene	µg/L	1000 U	1000 U	1000 U	1000 U	55
1,2-Dichloroethane	µg/L	1000 U	1000 U	1000 U	1000 U	50 U
1,2-Dichloropropane	µg/L	1000 U	1000 U	1000 U	1000 U	50 U
1,3-Dichlorobenzene	µg/L	6.2	1000 U	1000 U	1000 U	5.7
1,3-Dichloropropane	µg/L	1000 U	1000 U	1000 U	1000 U	50 U
1,4-Dichlorobenzene	µg/L	33	100	140	1000 U	50 U
2,2-Dichloropropane	µg/L	1000 U	1000 U	1000 U	1000 U	50 U
2-Chloroethyl vinyl ether	µg/L	20000 U	20000 U	20000 U	20000 U	1000 U
2-Chlorotoluene	µg/L	20000 U	20000 U	20000 U	20000 U	1000 U
4-Chlorotoluene	µg/L	1000 U	1000 U	1000 U	1000 U	50 U
Acetone	µg/L	50000 UB	50000 UB	50000 UB	50000 UB	2500 UB
Bromobenzene	µg/L	1000 U	1000 U	1000 U	1000 U	50 U
Bromodichloromethane	µg/L	5000 U	5000 U	5000 U	5000 U	250 U
Bromoform	µg/L	1000 U	1000 U	1000 U	1000 U	50 U
Bromomethane	µg/L	1000 U	1000 U	1000 U	1000 U	50 U
Carbon disulfide	µg/L	1000 U	1000 U	1000 U	1000 U	50 U
Carbon tetrachloride	µg/L	1000 U	1000 U	1000 U	1000 U	50 U
Chlorobenzene	µg/L	1000 U	1000 U	1000 U	1000 U	50 U
Chloroform	µg/L	1000 U	1000 U	1000 U	1000 U	50 U
Chloromethane	µg/L	1000 U	1000 U	1000 U	1000 U	50 U
cis-1,3-Dichloropropene	µg/L	1000 U	1000 U	1000 U	1000 U	50 U
Dibromochloromethane	µg/L	1000 U	1000 U	1000 U	1000 U	50 U
Dibromomethane	µg/L	10000 U	10000 U	10000 U	10000 U	500 U
Dichlorodifluoromethane	µg/L	1000 U	1000 U	1000 U	1000 U	50 U
Dichloromethane	µg/L	5000 U	5000 U	5000 U	5000 U	250 U
Methyl ethyl ketone	µg/L	50000 U	50000 U	50000 U	50000 U	2500 U
Methyl iso butyl ketone	µg/L	20000 U	20000 U	20000 U	20000 U	1000 U
trans-1,3-Dichloropropene	µg/L	1000 U	1000 U	1000 U	1000 U	50 U
Trichlorofluoromethane	µg/L	1000 U	1000 U	1000 U	1000 U	50 U
Vinyl acetate	µg/L	20000 U	20000 U	20000 U	20000 U	1000 U

	Event	Annual Monitoring of GWC wells (1999)				
	Location	B-46	B-47	B-47	B-49	B-52
	SampleID	**B-46**	**B-47**	**B-95 (B-47 DUP)**	**B-49**	**B-52**
	Depth (bgs)	7.3 - 13.3 ft	6.8 - 12.8 ft	6.8 - 12.8 ft	9.5 - 15.5 ft	6.75 - 12.75 ft
	Sample Date	10/18/1999	10/18/1999	10/18/1999	10/18/1999	10/07/1999
BTEX						
Benzene	µg/L	1000 U	1000 U	1000 U	1000 U	50 U
Toluene	µg/L	1000 U	23000	23000	13000	110
Ethylbenzene	µg/L	1000 U	1700	1700	1000 U	140
Xylene (meta & para)	µg/L	2000 U	3600	3800	2000	100
Xylene (ortho)	µg/L	1000 U	1500	1600	1500	83
Xylene (total)	µg/L	2000 U	5100	5400	3500	183
Alkylated Benzenes						
1,3,5-Trimethylbenzene	µg/L	1700	1000 U	1000 U	9600	50 U
n-Propylbenzene	µg/L	1000 U	1000 U	1000 U	2200	50 U
1,2,4-Trimethylbenzene	µg/L	6400	2100	1500	11000	50 U
iso-Propylbenzene	µg/L	1000 U	1000 U	1000 U	1000 U	50 U
iso-Propyltoluene	µg/L	1000 U	1000 U	1000 U	7300	50 U
n-Butylbenzene	µg/L	1000 U	1000 U	1000 U	1000 U	50 U
sec-Butylbenzene	µg/L	1000 U	1000 U	1000 U	2300	50 U
Styrene	µg/L	1000 U	1100	1100	1000 U	50 U
tert-Butylbenzene	µg/L	1000 U	1000 U	1000 U	1000 U	50 U
Semivolatile Organic Compounds						
Benzo(a)anthracene	µg/L	5 U	10 U	10 U	25 U	0.5 U
Benzo(a)pyrene	µg/L	5 U	10 U	10 U	25 U	0.5 U
Benzo(g,h,i)perylene	µg/L	5 U	10 U	10 U	25 U	0.5 U
Benzo(b)fluoranthene	µg/L	5 U	10 U	10 U	25 U	0.5 U
Benzo(k)fluoranthene	µg/L	5 U	10 U	10 U	25 U	0.5 U
Chrysene	µg/L	5 U	10 U	10 U	25 U	0.5 U
Dibenzo(a,h)anthracene	µg/L	5 U	10 U	10 U	25 U	0.5 U
Fluoranthene	µg/L	5 U	10 U	10 U	25 U	0.5 U
Indeno(1,2,3-cd)pyrene	µg/L	5 U	10 U	10 U	25 U	0.5 U
Pyrene	µg/L	5 U	10 U	10 U	25 U	0.5 U
Acenaphthene	µg/L	5 U	10 U	10 U	25 U	0.5 U
Acenaphthylene	µg/L	5 U	10 U	10 U	25 U	0.5 U
Anthracene	µg/L	5 U	10 U	10 U	25 U	0.5 U
Fluorene	µg/L	5 U	10 U	10 U	25 U	0.5 U
Naphthalene	µg/L	20000 U	15 UB	19 UB	25 UB	1.8 UB
Phenanthrene	µg/L	5 U	10 U	10 U	25 U	1.2
bis(2-ethylhexyl)phthalate	µg/L	5 UB	10 UB	10 UB	25 UB	0.7 UB
Di-n-butyl phthalate	µg/L	81 UB	240 UB	290 UB	41 UB	1.7 UB
Butyl benzyl phthalate	µg/L	5 U	10 U	10 U	25 U	0.5 U
Diethylphthalate	µg/L	5 U	10 U	10 U	25 U	7.4
Dimethyl phthalate	µg/L	5 U	10 U	10 U	25 U	0.5 U
Di-n-octyl phthalate	µg/L	130 U	250 U	250 U	630 U	5 U
Pentachlorophenol	µg/L	200	490	640	520	37
2,4-Dichlorophenol	µg/L	50 U	100 U	100 U	250 U	5 U
2,4,5-Trichlorophenol	µg/L	50 U	100 U	100 U	250 U	5 U
2,4,6-Trichlorophenol	µg/L	50 U	100 U	100 U	250 U	5 U
2-Chlorophenol	µg/L	5 U	10 U	10 U	25 U	0.5 U
2,4-Dimethylphenol	µg/L	16	10 U	10 U	25 U	27
2,4-Dinitrophenol	µg/L	50 U	100 U	100 U	250 U	5 U
2,4-Dinitrotoluene	µg/L	50 U	100 U	100 U	250 U	5 U
2,6-Dinitrotoluene	µg/L	50 U	100 U	100 U	250 U	5 U

	Event	Annual Monitoring of GWC wells (1999)				
	Location	B-46	B-47	B-47	B-49	B-52
	SampleID	**B-46**	**B-47**	**B-95 (B-47 DUP)**	**B-49**	**B-52**
	Depth (bgs)	7.3 - 13.3 ft	6.8 - 12.8 ft	6.8 - 12.8 ft	9.5 - 15.5 ft	6.75 - 12.75 ft
	Sample Date	10/18/1999	10/18/1999	10/18/1999	10/18/1999	10/07/1999
Semivolatile Organic Compounds						
2-Chloronaphthalene	µg/L	5 U	10 U	10 U	25 U	0.5 U
2-Methylphenol	µg/L	9.1	39	52	67	11
2-Nitroaniline	µg/L	5 U	10 U	10 U	25 U	0.5 U
2-Nitrophenol	µg/L	50 U	100 U	100 U	250 U	5 U
3,3'-Dichlorobenzidine	µg/L	5 U	10 U	10 U	25 U	0.5 U
2-Methylnaphthalene	µg/L	5 U	10 U	10 U	25 U	0.5 U
3-Nitroaniline	µg/L	5 U	10 U	10 U	25 U	0.5 U
4,6-Dinitro-o-cresol	µg/L	50 U	100 U	100 U	250 U	5 U
4-Bromophenyl phenyl ether	µg/L	5 U	10 U	10 U	25 U	0.5 U
4-Chloro-3-methylphenol	µg/L	5 U	10 U	10 U	25 U	0.5 U
4-Chloroaniline	µg/L	5 U	10 U	10 U	25 U	0.5 U
4-Chlorophenyl phenyl ether	µg/L	5 U	10 U	10 U	25 U	0.5 U
4-Methylphenol	µg/L	7.4	51	66	49	15
4-Nitroaniline	µg/L	5 U	10 U	10 U	25 U	0.5 U
4-Nitrophenol	µg/L	50 UJ	100 UJ	100 UJ	250 UJ	5 UJ
Aniline	µg/L	5 U	10 U	10 U	25 U	0.5 U
Benzidine	µg/L	130 U	250 U	250 U	630 U	13 U
Benzoic acid	µg/L	130 U	250 U	250 U	630 U	13 U
Benzyl alcohol	µg/L	5 U	10 U	10 U	25 U	0.5 U
bis(2-chloroethoxy)methane	µg/L	5 U	10 U	10 U	25 U	0.5 U
bis(2-chloroethyl)ether	µg/L	5 U	10 U	10 U	25 U	0.5 U
bis(2-chloroisopropyl)ether	µg/L	5 U	10 U	10 U	25 U	0.5 U
Carbazole	µg/L	5 U	10 U	10 U	25 U	0.5 U
Dibenzofuran	µg/L	5 U	10 U	10 U	25 U	0.5 U
Hexachlorobenzene	µg/L	5 U	10 U	10 U	25 U	0.5 U
Hexachlorobutadiene	µg/L	10000 U	10000 U	10000 U	25 U	500 U
Hexachlorocyclopentadiene	µg/L	50 U	100 U	100 U	250 U	5 U
Hexachloroethane	µg/L	5 U	10 U	10 U	25 U	0.5 U
Isophorone	µg/L	5 U	10 U	10 U	25 U	0.5 U
Nitrobenzene	µg/L	5 U	10 U	10 U	25 U	0.5 U
N-Nitroso-di-n-propylamine	µg/L	5 U	10 U	10 U	25 U	0.5 U
N-Nitrosodiphenylamine	µg/L	5 U	10 U	10 U	25 U	0.5 U
Phenol	µg/L	5 U	10 U	10 U	25 U	0.5 U
Conventionals						
Ammonia (total as nitrogen)	mg-N/L	6.4	25		11	
Chloride	mg/L	74	130		130	
Nitrate	mg/L	0.14 J	0.69		1.6	
Nitrite	mg/L	0.16	0.23		0.22	
Phosphorus	mg/L	0.64	1.2		1.1	
Sulfate	mg/L	300	520		300	
Dissolved Gases						
Ethane	mg/L	0.0025 U	0.0025 U		0.0005 U	
Ethene	mg/L	0.266	0.246		0.23	
Methane	mg/L	0.106	0.307		0.158	

	Event	Annual Monitoring of GWC wells (1999)				
	Location	B-53	B-54	B-54	B-55	B-56
	SampleID	**B-53**	**B-54**	**B-54**	**B-55**	**B-56**
	Depth (bgs)	7 - 14 ft	7 - 15 ft	7 - 15 ft	7 - 16 ft	7 - 17 ft
	Sample Date	10/12/1999	10/12/1999	12/17/1999	10/14/1999	10/07/1999
Volatile Organic Compounds						
Tetrachloroethene	µg/L	620	9800	9800	230 J	460 J
Trichloroethene	µg/L	42	420	420	16	16
cis-1,2-Dichloroethene	µg/L	41	150	150	14 J	12
trans-1,2-Dichloroethene	µg/L	10 U	100 U	100 U	1 U	2 U
1,1-Dichloroethene	µg/L	10 U	100 U	100 U	1 U	2 U
Vinyl chloride	µg/L	10 U	100 U	100 U	3.2	2 U
1,1,1,2-Tetrachloroethane	µg/L	10 U	100 U	100 U	1 U	2 U
1,1,1-Trichloroethane	µg/L	50 U	500 U	500 U	5 U	10 U
1,1,2,2-Tetrachloroethane	µg/L	50 U	500 U	500 U	5 U	10 U
1,1,2-Trichloroethane	µg/L	10 U	100 U	100 U	1 U	2 U
1,1-Dichloroethane	µg/L	10 U	100 U	100 U	1 U	6.8
Chloroethane	µg/L	10 U	100 U	100 U	1 U	2 U
1,1-Dichloropropene	µg/L	10 U	100 U	100 U	1 U	2 U
1,2,3-Trichlorobenzene	µg/L	10 U	100 U	100 U	1 U	2 U
1,2,3-Trichloropropane	µg/L	50 U	500 U	500 U	5 U	10 U
1,2,4-Trichlorobenzene	µg/L	10 U	100 U	0.5 U	0.5 U	2 U
1,2-Dibromo-3-chloropropane	µg/L	200 U	2000 U	2000 U	20 U	40 U
1,2-Dibromoethane	µg/L	10 U	100 U	100 U	1 U	2 U
1,2-Dichlorobenzene	µg/L	0.5 U	100 U	0.5 U	1 U	2 U
1,2-Dichloroethane	µg/L	10 U	100 U	100 U	1 U	2 U
1,2-Dichloropropane	µg/L	10 U	100 U	100 U	1 U	2 U
1,3-Dichlorobenzene	µg/L	0.5 U	0.5 U	0.5 U	1 U	0.5 U
1,3-Dichloropropane	µg/L	10 U	100 U	100 U	1 U	2 U
1,4-Dichlorobenzene	µg/L	0.5 U	0.5 U	100 U	0.5 U	0.5 U
2,2-Dichloropropane	µg/L	10 U	100 U	100 U	1 U	2 U
2-Chloroethyl vinyl ether	µg/L	200 U	2000 U	2000 U	20 U	40 U
2-Chlorotoluene	µg/L	200 U	2000 U	2000 U	20 U	40 U
4-Chlorotoluene	µg/L	10 U	100 U	100 U	1 U	2 U
Acetone	µg/L	500 UB	5000 UB	5000 UB	50 UB	100 UB
Bromobenzene	µg/L	10 U	100 U	100 U	1 U	2 U
Bromodichloromethane	µg/L	50 U	500 U	500 U	5 U	10 U
Bromoform	µg/L	10 U	100 U	100 U	1 U	2 U
Bromomethane	µg/L	10 U	100 U	100 U	1 U	2 U
Carbon disulfide	µg/L	10 U	100 U	100 U	1 U	2 U
Carbon tetrachloride	µg/L	10 U	100 U	100 U	1 U	2 U
Chlorobenzene	µg/L	10 U	100 U	100 U	1 U	2 U
Chloroform	µg/L	10 U	100 U	100 U	1 U	2 U
Chloromethane	µg/L	10 U	100 U	100 U	1 U	2 U
cis-1,3-Dichloropropene	µg/L	10 U	100 U	100 U	1 U	2 U
Dibromochloromethane	µg/L	10 U	100 U	100 U	1 U	2 U
Dibromomethane	µg/L	100 U	1000 U	1000 U	10 U	20 U
Dichlorodifluoromethane	µg/L	10 U	100 U	100 U	1 U	2 U
Dichloromethane	µg/L	50 U	500 U	500 U	5 U	10 U
Methyl ethyl ketone	µg/L	500 U	5000 U	5000 U	50 U	100 U
Methyl iso butyl ketone	µg/L	200 U	2000 U	2000 U	20 U	40 U
trans-1,3-Dichloropropene	µg/L	10 U	100 U	100 U	1 U	2 U
Trichlorofluoromethane	µg/L	10 U	100 U	100 U	1 U	2 U
Vinyl acetate	µg/L	200 U	2000 U	2000 U	20 U	40 U

	Event	Annual Monitoring of GWC wells (1999)				
	Location	B-53	B-54	B-54	B-55	B-56
	SampleID	**B-53**	**B-54**	**B-54**	**B-55**	**B-56**
	Depth (bgs)	7 - 14 ft	7 - 15 ft	7 - 15 ft	7 - 16 ft	7 - 17 ft
	Sample Date	10/12/1999	10/12/1999	12/17/1999	10/14/1999	10/07/1999
BTEX						
Benzene	µg/L	10 U	100 U	100 U	1 U	2 U
Toluene	µg/L	10 U	100 U	100 U	1 U	2 U
Ethylbenzene	µg/L	10 U	100 U	100 U	1 U	2 U
Xylene (meta & para)	µg/L	20 U	200 U	200 U	2 U	4 U
Xylene (ortho)	µg/L	10 U	100 U	100 U	1 U	2 U
Xylene (total)	µg/L	20 U	200 U	200 U	2 U	4 U
Alkylated Benzenes						
1,3,5-Trimethylbenzene	µg/L	10 U	100 U	100 U	1 U	2 U
n-Propylbenzene	µg/L	10 U	100 U	100 U	1 U	2 U
1,2,4-Trimethylbenzene	µg/L	10 U	100 U	100 U	1 U	2 U
iso-Propylbenzene	µg/L	10 U	100 U	100 U	1 U	2 U
iso-Propyltoluene	µg/L	10 U	100 U	100 U	1 U	2 U
n-Butylbenzene	µg/L	10 U	100 U	100 U	1 U	2 U
sec-Butylbenzene	µg/L	10 U	100 U	100 U	1 U	2 U
Styrene	µg/L	10 U	100 U	100 U	1 U	2 U
tert-Butylbenzene	µg/L	10 U	100 U	100 U	1 U	2 U
Semivolatile Organic Compounds						
Benzo(a)anthracene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Benzo(a)pyrene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Benzo(g,h,i)perylene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Benzo(b)fluoranthene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Benzo(k)fluoranthene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chrysene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Dibenzo(a,h)anthracene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Fluoranthene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Indeno(1,2,3-cd)pyrene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Pyrene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Acenaphthene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Acenaphthylene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Anthracene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Fluorene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Naphthalene	µg/L	0.5 UB	0.5 UB	0.5 U	0.5 UB	40 U
Phenanthrene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
bis(2-ethylhexyl)phthalate	µg/L	0.61 UB	2.5 UB	2.5 UB	0.69 UB	0.53 UB
Di-n-butyl phthalate	µg/L	0.5 UB	0.5 UB	0.5 UB	0.5 UB	0.5 UB
Butyl benzyl phthalate	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Diethylphthalate	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Dimethyl phthalate	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Di-n-octyl phthalate	µg/L	5 U	0.5 U	5 U	5 U	5 U
Pentachlorophenol	µg/L	5 U	5 U	5 U	5 U	5 U
2,4-Dichlorophenol	µg/L	5 U	5 U	5 U	5 U	5 U
2,4,5-Trichlorophenol	µg/L	5 U	5 U	5 U	5 U	5 U
2,4,6-Trichlorophenol	µg/L	5 U	5 U	5 U	5 U	5 U
2-Chlorophenol	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
2,4-Dimethylphenol	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
2,4-Dinitrophenol	µg/L	5 U	5 U	5 U	5 U	5 U
2,4-Dinitrotoluene	µg/L	5 U	5 U	5 U	5 U	5 U
2,6-Dinitrotoluene	µg/L	5 U	5 U	5 U	5 U	5 U

	Event	**Annual Monitoring of GWC wells (1999)**				
	Location	B-53	B-54	B-54	B-55	B-56
	SampleID	**B-53**	**B-54**	**B-54**	**B-55**	**B-56**
	Depth (bgs)	7 - 14 ft	7 - 15 ft	7 - 15 ft	7 - 16 ft	7 - 17 ft
	Sample Date	10/12/1999	10/12/1999	12/17/1999	10/14/1999	10/07/1999
Semivolatile Organic Compounds						
2-Chloronaphthalene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
2-Methylphenol	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
2-Nitroaniline	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
2-Nitrophenol	µg/L	5 U	5 U	5 U	5 U	5 U
3,3'-Dichlorobenzidine	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
2-Methylnaphthalene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
3-Nitroaniline	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
4,6-Dinitro-o-cresol	µg/L	5 U	5 U	5 U	5 U	5 U
4-Bromophenyl phenyl ether	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
4-Chloro-3-methylphenol	µg/L	0.5 U	5 U	5 U	0.5 U	0.5 U
4-Chloroaniline	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
4-Chlorophenyl phenyl ether	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
4-Methylphenol	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
4-Nitroaniline	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
4-Nitrophenol	µg/L	5 UJ	5 UJ	5 UB	5 UJ	5 UJ
Aniline	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Benzidine	µg/L	13 U	13 U	13 U	13 U	13 U
Benzoic acid	µg/L	13 U	13 U	13 U	13 U	13 U
Benzyl alcohol	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
bis(2-chloroethoxy)methane	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
bis(2-chloroethyl)ether	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
bis(2-chloroisopropyl)ether	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Carbazole	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Dibenzofuran	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Hexachlorobenzene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Hexachlorobutadiene	µg/L	0.5 U	1000 U	1000 U	0.5 U	20 U
Hexachlorocyclopentadiene	µg/L	5 U	5 U	5 U	5 U	5 U
Hexachloroethane	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Isophorone	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Nitrobenzene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
N-Nitroso-di-n-propylamine	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
N-Nitrosodiphenylamine	µg/L	0.5 U	5 U	0.5 U	0.5 U	0.5 U
Phenol	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Conventionals						
Ammonia (total as nitrogen)	mg-N/L	0.04 U	0.04 U	0.04 U	0.04 U	
Chloride	mg/L	6.4	5.3	5.3	5.5	
Nitrate	mg/L	0.54	1.4	1.4	2.5	
Nitrite	mg/L	0.15 U	0.15 U	0.15 U	0.15 U	
Phosphorus	mg/L	0.15	0.14	0.14	0.17	
Sulfate	mg/L	270	170	170	94	
Dissolved Gases						
Ethane	mg/L	0.0005 U	0.0005 U	0.0005 U	0.0005 U	
Ethene	mg/L	0.0005 U	0.0005 U	0.0005 U	0.0005 U	
Methane	mg/L	0.0039	0.00098	0.00098	0.00065	

	Event	Annual Monitoring of GWC wells (1999)				
	Location	B-57	B-58	B-58	B-59	B-60
	SampleID	**B-57**	**B-58**	**B-94 (B-58 DUP)**	**B-59**	**B-60**
	Depth (bgs)	7 - 18 ft	7 - 12 ft	7 - 12 ft	25 - 30 ft	7 - 12 ft
	Sample Date	10/07/1999	10/14/1999	10/14/1999	10/14/1999	10/14/1999
Volatile Organic Compounds						
Tetrachloroethene	µg/L	490 J	6200	4600	5 U	9400
Trichloroethene	µg/L	23	6200	5600	5 U	1100
cis-1,2-Dichloroethene	µg/L	25	22000	18000 J	280	960
trans-1,2-Dichloroethene	µg/L	2 U	680	320	5 U	100 U
1,1-Dichloroethene	µg/L	2 U	100 U	50 U	5 U	100 U
Vinyl chloride	µg/L	2 U	3100	2900	180	100 U
1,1,1,2-Tetrachloroethane	µg/L	2 U	100 U	50 U	5 U	100 U
1,1,1-Trichloroethane	µg/L	10 U	500 U	250 U	25 U	500 U
1,1,2,2-Tetrachloroethane	µg/L	10 U	500 U	250 U	25 U	500 U
1,1,2-Trichloroethane	µg/L	2 U	100 U	50 U	5 U	100 U
1,1-Dichloroethane	µg/L	13	100 U	50 U	5 U	100 U
Chloroethane	µg/L	2 U	100 U	50 U	5 U	100 U
1,1-Dichloropropene	µg/L	2 U	100 U	50 U	5 U	100 U
1,2,3-Trichlorobenzene	µg/L	2 U	100 U	50 U	5 U	100 U
1,2,3-Trichloropropane	µg/L	10 U	500 U	250 U	25 U	500 U
1,2,4-Trichlorobenzene	µg/L	2 U	0.5 U	0.5 U	0.5 U	100 U
1,2-Dibromo-3-chloropropane	µg/L	40 U	2000 U	1000 U	100 U	2000 U
1,2-Dibromoethane	µg/L	2 U	100 U	50 U	5 U	100 U
1,2-Dichlorobenzene	µg/L	2 U	100 U	8.3	0.5 U	100 U
1,2-Dichloroethane	µg/L	2 U	100 U	50 U	5 U	100 U
1,2-Dichloropropane	µg/L	2 U	100 U	50 U	5 U	100 U
1,3-Dichlorobenzene	µg/L	2 U	100 U	0.77	0.5 U	100 U
1,3-Dichloropropane	µg/L	2 U	100 U	50 U	5 U	100 U
1,4-Dichlorobenzene	µg/L	2 U	1.8	2	5 U	100 U
2,2-Dichloropropane	µg/L	2 U	100 U	50 U	5 U	100 U
2-Chloroethyl vinyl ether	µg/L	40 U	2000 U	1000 U	100 U	2000 U
2-Chlorotoluene	µg/L	40 U	2000 U	1000 U	100 U	2000 U
4-Chlorotoluene	µg/L	2 U	100 U	50 U	5 U	100 U
Acetone	µg/L	100 UB	5000 UB	2500 UB	250 UB	5000 UB
Bromobenzene	µg/L	2 U	100 U	50 U	5 U	100 U
Bromodichloromethane	µg/L	10 U	500 U	250 U	25 U	500 U
Bromoform	µg/L	2 U	100 U	50 U	5 U	100 U
Bromomethane	µg/L	2 U	100 U	50 U	5 U	100 U
Carbon disulfide	µg/L	2 U	100 U	50 U	5 U	100 U
Carbon tetrachloride	µg/L	2 U	100 U	50 U	5 U	100 U
Chlorobenzene	µg/L	2 U	100 U	50 U	5 U	100 U
Chloroform	µg/L	2 U	100 U	50 U	5 U	100 U
Chloromethane	µg/L	2 U	100 U	50 U	5 U	100 U
cis-1,3-Dichloropropene	µg/L	2 U	100 U	50 U	5 U	100 U
Dibromochloromethane	µg/L	2 U	100 U	50 U	5 U	100 U
Dibromomethane	µg/L	20 U	1000 U	500 U	50 U	1000 U
Dichlorodifluoromethane	µg/L	2 U	100 U	50 U	5 U	100 U
Dichloromethane	µg/L	10 U	500 U	690	53	500 U
Methyl ethyl ketone	µg/L	100 U	5000 U	2500 U	250 U	5000 U
Methyl iso butyl ketone	µg/L	40 U	2000 U	1000 U	100 U	2000 U
trans-1,3-Dichloropropene	µg/L	2 U	100 U	50 U	5 U	100 U
Trichlorofluoromethane	µg/L	2 U	100 U	50 U	5 U	100 U
Vinyl acetate	µg/L	40 U	2000 U	1000 U	100 U	2000 U

	Event	Annual Monitoring of GWC wells (1999)				
	Location	B-57	B-58	B-58	B-59	B-60
	SampleID	**B-57**	**B-58**	**B-94 (B-58 DUP)**	**B-59**	**B-60**
	Depth (bgs)	7 - 18 ft	7 - 12 ft	7 - 12 ft	25 - 30 ft	7 - 12 ft
	Sample Date	10/07/1999	10/14/1999	10/14/1999	10/14/1999	10/14/1999
BTEX						
Benzene	µg/L	2 U	100 U	50 U	5 U	100 U
Toluene	µg/L	2 U	100 U	50 U	5 U	100 U
Ethylbenzene	µg/L	2 U	100 U	50 U	5 U	100 U
Xylene (meta & para)	µg/L	4 U	200 U	100 U	10 U	200 U
Xylene (ortho)	µg/L	2 U	100 U	50 U	5 U	100 U
Xylene (total)	µg/L	4 U	200 U	100 U	10 U	200 U
Alkylated Benzenes						
1,3,5-Trimethylbenzene	µg/L	2 U	100 U	50 U	5 U	100 U
n-Propylbenzene	µg/L	2 U	100 U	50 U	5 U	100 U
1,2,4-Trimethylbenzene	µg/L	2 U	100 U	50 U	5 U	100 U
iso-Propylbenzene	µg/L	2 U	100 U	50 U	5 U	100 U
iso-Propyltoluene	µg/L	2 U	100 U	50 U	5 U	100 U
n-Butylbenzene	µg/L	2 U	100 U	50 U	5 U	100 U
sec-Butylbenzene	µg/L	2 U	100 U	50 U	5 U	100 U
Styrene	µg/L	2 U	100 U	50 U	5 U	100 U
tert-Butylbenzene	µg/L	2 U	100 U	50 U	5 U	100 U
Semivolatile Organic Compounds						
Benzo(a)anthracene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Benzo(a)pyrene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Benzo(g,h,i)perylene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Benzo(b)fluoranthene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Benzo(k)fluoranthene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chrysene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Dibenzo(a,h)anthracene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Fluoranthene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Indeno(1,2,3-cd)pyrene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Pyrene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Acenaphthene	µg/L	0.5 U	0.68	0.77	0.5 U	0.5 U
Acenaphthylene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Anthracene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Fluorene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Naphthalene	µg/L	40 U	2000 U	0.5 UB	100 U	0.5 UB
Phenanthrene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
bis(2-ethylhexyl)phthalate	µg/L	2.5 UB	0.65 UB	3 UB	35 UB	7 UB
Di-n-butyl phthalate	µg/L	0.5 UB	0.61 UB	0.7 UB	0.5 UB	0.5 UB
Butyl benzyl phthalate	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Diethylphthalate	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Dimethyl phthalate	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Di-n-octyl phthalate	µg/L	5 U	5 U	5 U	5 U	5 U
Pentachlorophenol	µg/L	5 U	9.5	10	5 U	7
2,4-Dichlorophenol	µg/L	5 U	5 U	5 U	5 U	5 U
2,4,5-Trichlorophenol	µg/L	5 U	5 U	5 U	5 U	5 U
2,4,6-Trichlorophenol	µg/L	5 U	5 U	5 U	5 U	5 U
2-Chlorophenol	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
2,4-Dimethylphenol	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
2,4-Dinitrophenol	µg/L	5 U	5 U	5 U	5 U	5 U
2,4-Dinitrotoluene	µg/L	5 U	5 U	5 U	5 U	5 U
2,6-Dinitrotoluene	µg/L	5 U	5 U	5 U	5 U	5 U

	Event	**Annual Monitoring of GWC wells (1999)**				
	Location	B-57	B-58	B-58	B-59	B-60
	SampleID	**B-57**	**B-58**	**B-94 (B-58 DUP)**	**B-59**	**B-60**
	Depth (bgs)	7 - 18 ft	7 - 12 ft	7 - 12 ft	25 - 30 ft	7 - 12 ft
	Sample Date	10/07/1999	10/14/1999	10/14/1999	10/14/1999	10/14/1999
Semivolatile Organic Compounds						
2-Chloronaphthalene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
2-Methylphenol	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
2-Nitroaniline	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
2-Nitrophenol	µg/L	5 U	5 U	5 U	5 U	5 U
3,3'-Dichlorobenzidine	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
2-Methylnaphthalene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
3-Nitroaniline	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
4,6-Dinitro-o-cresol	µg/L	5 U	5 U	5 U	5 U	5 U
4-Bromophenyl phenyl ether	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
4-Chloro-3-methylphenol	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
4-Chloroaniline	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
4-Chlorophenyl phenyl ether	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
4-Methylphenol	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
4-Nitroaniline	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
4-Nitrophenol	µg/L	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ
Aniline	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Benzidine	µg/L	13 U	13 U	13 U	13 U	13 U
Benzoic acid	µg/L	13 U	13 U	13 U	13 U	13 U
Benzyl alcohol	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
bis(2-chloroethoxy)methane	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
bis(2-chloroethyl)ether	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
bis(2-chloroisopropyl)ether	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Carbazole	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Dibenzofuran	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Hexachlorobenzene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Hexachlorobutadiene	µg/L	20 U	100 U	0.5 U	0.5 U	0.5 U
Hexachlorocyclopentadiene	µg/L	5 U	5 U	5 U	5 U	5 U
Hexachloroethane	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Isophorone	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Nitrobenzene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
N-Nitroso-di-n-propylamine	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
N-Nitrosodiphenylamine	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Phenol	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Conventionals						
Ammonia (total as nitrogen)	mg-N/L		1.9		0.53	0.04
Chloride	mg/L		26		32	9.3
Nitrate	mg/L		0.51		0.15 U	5.3
Nitrite	mg/L		0.15 U		0.15 U	0.15 U
Phosphorus	mg/L		2.6		0.3	0.11
Sulfate	mg/L		75		81	46
Dissolved Gases						
Ethane	mg/L		0.0005 U		0.0005 U	0.0005 U
Ethene	mg/L		0.0066		0.0014	0.0005 U
Methane	mg/L		0.12		0.156	0.0074

	Event	Annual Monitoring of GWC wells (1999)				
	Location	B-61	B-62	B-63	B-64	B-65
	SampleID	**B-61**	**B-62**	**B-63**	**B-64**	**B-65**
	Depth (bgs)	39 - 44 ft	8 - 13 ft	39 - 44 ft	7 - 12 ft	30 - 35 ft
	Sample Date	10/14/1999	10/14/1999	10/14/1999	10/13/1999	10/13/1999
Volatile Organic Compounds						
Tetrachloroethene	µg/L	200 U	3000	100 U	50	100 UJ
Trichloroethene	µg/L	1700	1000	760	19	100 UJ
cis-1,2-Dichloroethene	µg/L	22000	930	5400	6.8	40000 J
trans-1,2-Dichloroethene	µg/L	200 U	100 U	100 U	1 U	360 J
1,1-Dichloroethene	µg/L	200 U	100 U	100 U	1 U	260 J
Vinyl chloride	µg/L	2700	1000	5800	1 U	15000 J
1,1,1,2-Tetrachloroethane	µg/L	200 U	100 U	100 U	1 U	100 UJ
1,1,1-Trichloroethane	µg/L	1000 U	500 U	500 U	5 U	500 UJ
1,1,2,2-Tetrachloroethane	µg/L	1000 U	500 U	500 U	5 U	500 U
1,1,2-Trichloroethane	µg/L	200 U	100 U	100 U	1 U	100 UJ
1,1-Dichloroethane	µg/L	200 U	100 U	100 U	1 U	100 UJ
Chloroethane	µg/L	200 U	100 U	100 U	1 U	100 UJ
1,1-Dichloropropene	µg/L	200 U	100 U	100 U	1 U	100 UJ
1,2,3-Trichlorobenzene	µg/L	200 U	100 U	100 U	1 U	100 UJ
1,2,3-Trichloropropane	µg/L	1000 U	500 U	500 U	5 U	500 UJ
1,2,4-Trichlorobenzene	µg/L	200 U	0.5 U	0.5 U	1 U	0.5 U
1,2-Dibromo-3-chloropropane	µg/L	4000 U	2000 U	2000 U	20 U	2000 UJ
1,2-Dibromoethane	µg/L	200 U	100 U	100 U	1 U	100 UJ
1,2-Dichlorobenzene	µg/L	200 U	100 U	100 U	0.5 U	100 UJ
1,2-Dichloroethane	µg/L	200 U	100 U	100 U	1 U	100 UJ
1,2-Dichloropropane	µg/L	200 U	100 U	100 U	1 U	100 UJ
1,3-Dichlorobenzene	µg/L	200 U	100 U	100 U	1 U	0.5 U
1,3-Dichloropropane	µg/L	200 U	100 U	100 U	1 U	100 UJ
1,4-Dichlorobenzene	µg/L	200 U	0.5 U	100 U	1 U	100 UJ
2,2-Dichloropropane	µg/L	200 U	100 U	100 U	1 U	100 UJ
2-Chloroethyl vinyl ether	µg/L	4000 U	2000 U	2000 U	20 U	2000 UJ
2-Chlorotoluene	µg/L	4000 U	2000 U	2000 U	20 U	2000 UJ
4-Chlorotoluene	µg/L	200 U	100 U	100 U	1 U	100 UJ
Acetone	µg/L	10000 UB	5000 UB	5000 UB	50 UB	5000 UB
Bromobenzene	µg/L	200 U	100 U	100 U	1 U	100 UJ
Bromodichloromethane	µg/L	1000 U	500 U	500 U	5 U	500 UJ
Bromoform	µg/L	200 U	100 U	100 U	1 U	100 UJ
Bromomethane	µg/L	200 U	100 U	100 U	1 U	100 UJ
Carbon disulfide	µg/L	200 U	100 U	100 U	1 U	100 UJ
Carbon tetrachloride	µg/L	200 U	100 U	100 U	1 U	100 UJ
Chlorobenzene	µg/L	200 U	100 U	100 U	1 U	100 UJ
Chloroform	µg/L	200 U	100 U	100 U	1 U	100 UJ
Chloromethane	µg/L	200 U	100 U	100 U	1 U	100 U
cis-1,3-Dichloropropene	µg/L	200 U	100 U	100 U	1 U	100 UJ
Dibromochloromethane	µg/L	200 U	100 U	100 U	1 U	100 UJ
Dibromomethane	µg/L	2000 U	1000 U	1000 U	10 U	1000 UJ
Dichlorodifluoromethane	µg/L	200 U	100 U	100 U	1 U	100 UJ
Dichloromethane	µg/L	1000 U	500 U	500 U	5 U	500 UJ
Methyl ethyl ketone	µg/L	10000 U	5000 U	5000 U	50 U	5000 UJ
Methyl iso butyl ketone	µg/L	4000 U	2000 U	2000 U	20 U	2000 UJ
trans-1,3-Dichloropropene	µg/L	200 U	100 U	100 U	1 U	100 UJ
Trichlorofluoromethane	µg/L	200 U	100 U	100 U	1 U	100 UJ
Vinyl acetate	µg/L	4000 U	2000 U	2000 U	20 U	2000 UJ

	Event	Annual Monitoring of GWC wells (1999)				
	Location	B-61	B-62	B-63	B-64	B-65
	SampleID	**B-61**	**B-62**	**B-63**	**B-64**	**B-65**
	Depth (bgs)	39 - 44 ft	8 - 13 ft	39 - 44 ft	7 - 12 ft	30 - 35 ft
	Sample Date	10/14/1999	10/14/1999	10/14/1999	10/13/1999	10/13/1999
BTEX						
Benzene	µg/L	200 U	100 U	100 U	1 U	100 UJ
Toluene	µg/L	200 U	100 U	100 U	1 U	100 UJ
Ethylbenzene	µg/L	200 U	100 U	100 U	1 U	100 UJ
Xylene (meta & para)	µg/L	400 U	200 U	200 U	2 U	200 UJ
Xylene (ortho)	µg/L	200 U	100 U	100 U	1 U	100 UJ
Xylene (total)	µg/L	400 U	200 U	200 U	2 U	200 UJ
Alkylated Benzenes						
1,3,5-Trimethylbenzene	µg/L	200 U	100 U	100 U	1 U	100 UJ
n-Propylbenzene	µg/L	200 U	100 U	100 U	1 U	100 UJ
1,2,4-Trimethylbenzene	µg/L	200 U	100 U	100 U	1 U	100 UJ
iso-Propylbenzene	µg/L	200 U	100 U	100 U	1 U	100 UJ
iso-Propyltoluene	µg/L	200 U	100 U	100 U	1 U	100 UJ
n-Butylbenzene	µg/L	200 U	100 U	100 U	1 U	100 UJ
sec-Butylbenzene	µg/L	200 U	100 U	100 U	1 U	100 UJ
Styrene	µg/L	200 U	100 U	100 U	1 U	100 UJ
tert-Butylbenzene	µg/L	200 U	100 U	100 U	1 U	100 UJ
Semivolatile Organic Compounds						
Benzo(a)anthracene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Benzo(a)pyrene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Benzo(g,h,i)perylene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Benzo(b)fluoranthene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Benzo(k)fluoranthene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chrysene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Dibenzo(a,h)anthracene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Fluoranthene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Indeno(1,2,3-cd)pyrene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Pyrene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Acenaphthene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Acenaphthylene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Anthracene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Fluorene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Naphthalene	µg/L	0.5 UB	0.5 UB	2000 U	0.5 UB	2000 UJ
Phenanthrene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
bis(2-ethylhexyl)phthalate	µg/L	0.63 UB	0.65 UB	1.2 UB	14 UB	0.76 UB
Di-n-butyl phthalate	µg/L	0.5 UB	0.5 UB	0.5 UB	0.5 UB	0.5 UB
Butyl benzyl phthalate	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Diethylphthalate	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Dimethyl phthalate	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Di-n-octyl phthalate	µg/L	5 U	5 U	5 U	5 U	5 U
Pentachlorophenol	µg/L	0.5 U	5 U	0.5 U	5 U	0.5 U
2,4-Dichlorophenol	µg/L	5 U	5 U	5 U	5 U	5 U
2,4,5-Trichlorophenol	µg/L	5 U	5 U	5 U	5 U	5 U
2,4,6-Trichlorophenol	µg/L	5 U	5 U	5 U	5 U	5 U
2-Chlorophenol	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
2,4-Dimethylphenol	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
2,4-Dinitrophenol	µg/L	5 U	5 U	5 U	5 U	5 U
2,4-Dinitrotoluene	µg/L	5 U	5 U	5 U	5 U	5 U
2,6-Dinitrotoluene	µg/L	5 U	5 U	5 U	5 U	5 U

	Event	**Annual Monitoring of GWC wells (1999)**				
	Location	B-61	B-62	B-63	B-64	B-65
	SampleID	**B-61**	**B-62**	**B-63**	**B-64**	**B-65**
	Depth (bgs)	39 - 44 ft	8 - 13 ft	39 - 44 ft	7 - 12 ft	30 - 35 ft
	Sample Date	10/14/1999	10/14/1999	10/14/1999	10/13/1999	10/13/1999
Semivolatile Organic Compounds						
2-Chloronaphthalene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
2-Methylphenol	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
2-Nitroaniline	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
2-Nitrophenol	µg/L	5 U	5 U	5 U	5 U	5 U
3,3'-Dichlorobenzidine	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
2-Methylnaphthalene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
3-Nitroaniline	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
4,6-Dinitro-o-cresol	µg/L	5 U	5 U	5 U	5 U	5 U
4-Bromophenyl phenyl ether	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
4-Chloro-3-methylphenol	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
4-Chloroaniline	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
4-Chlorophenyl phenyl ether	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
4-Methylphenol	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
4-Nitroaniline	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
4-Nitrophenol	µg/L	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ
Aniline	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Benzidine	µg/L	13 U	13 U	13 U	13 U	13 U
Benzoic acid	µg/L	13 U	13 U	13 U	13 U	13 U
Benzyl alcohol	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
bis(2-chloroethoxy)methane	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
bis(2-chloroethyl)ether	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
bis(2-chloroisopropyl)ether	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Carbazole	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Dibenzofuran	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Hexachlorobenzene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Hexachlorobutadiene	µg/L	200 U	100 U	100 U	0.5 U	1000 UJ
Hexachlorocyclopentadiene	µg/L	5 U	5 U	5 U	5 U	5 U
Hexachloroethane	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Isophorone	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Nitrobenzene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
N-Nitroso-di-n-propylamine	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
N-Nitrosodiphenylamine	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Phenol	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Conventionals						
Ammonia (total as nitrogen)	mg-N/L	0.26	0.04 U	0.35	0.04 U	0.61
Chloride	mg/L	47	12	17	2.2	88
Nitrate	mg/L	0.15 U	8.4	0.15 U	2	0.01 J
Nitrite	mg/L	0.15 U	0.15 U	0.15 U	0.03 U	0.06 U
Phosphorus	mg/L	0.34	0.08	0.28	0.2	0.44
Sulfate	mg/L	15	27	44	15	9.5
Dissolved Gases						
Ethane	mg/L	0.0025 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U
Ethene	mg/L	0.045	0.00075	0.0266	0.00083	0.0018
Methane	mg/L	0.36	0.00196	0.0249	0.00082	0.04

	Event	Terra Vac's Fox Ave/Myrtle Street Supplemental Investigation				
	Location	B-13	B-58	B-59	B-60	B-61
	SampleID	**B-13**	**B-58**	**B-59**	**B-60**	**B-61**
	Depth (bgs)	7 - 12 ft	7 - 12 ft	25 - 30 ft	7 - 12 ft	39 - 44 ft
	Sample Date	07/15/1999	07/15/1999	07/15/1999	07/15/1999	07/15/1999
Volatile Organic Compounds						
Tetrachloroethene	µg/L	7300	18000	39	5600	78
Trichloroethene	µg/L	320	11000	8.4	300	3700
cis-1,2-Dichloroethene	µg/L	120	21000	350	220	27000 J
trans-1,2-Dichloroethene	µg/L	5 U	290	5 U	5 U	180
1,1-Dichloroethene	µg/L	5 UJ	12 J	5 UJ	5 UJ	51 J
Vinyl chloride	µg/L	5 U	220	77	5 U	970
1,1,1,2-Tetrachloroethane	µg/L	5 U	5 U	5 U	5 U	5 U
1,1,1-Trichloroethane	µg/L	25 U	25 U	25 U	25 U	25 U
1,1,2,2-Tetrachloroethane	µg/L	25 U	25 U	25 U	25 U	25 U
1,1,2-Trichloroethane	µg/L	5 U	5 U	5 U	5 U	5 U
1,1-Dichloroethane	µg/L	5 U	5 U	5 U	5 U	13
Chloroethane	µg/L	5 U	5 U	5 U	5 U	5 U
1,1-Dichloropropene	µg/L	5 U	5 U	5 U	5 U	5 U
1,2,3-Trichlorobenzene	µg/L	5 U	5 U	5 U	5 U	5 U
1,2,3-Trichloropropane	µg/L	25 U	25 U	25 U	25 U	25 U
1,2,4-Trichlorobenzene	µg/L	5 U	5 U	1 U	5 U	5 U
1,2-Dibromo-3-chloropropane	µg/L	50 U	50 U	50 U	50 U	50 U
1,2-Dibromoethane	µg/L	5 U	5 U	5 U	5 U	5 U
1,2-Dichlorobenzene	µg/L	5 U	14	5 U	5 U	5 U
1,2-Dichloroethane	µg/L	5 U	5 U	5 U	5 U	5 U
1,2-Dichloropropane	µg/L	5 U	5 U	5 U	5 U	5 U
1,3-Dichlorobenzene	µg/L	5 U	5 U	5 U	5 U	1 U
1,3-Dichloropropane	µg/L	5 U	5 U	5 U	5 U	5 U
1,4-Dichlorobenzene	µg/L	5 U	3.3	1 U	5 U	5 U
2,2-Dichloropropane	µg/L	5 U	5 U	5 U	5 U	5 U
2-Chloroethyl vinyl ether	µg/L	100 U	100 U	100 U	100 U	100 U
2-Chlorotoluene	µg/L	5 U	5 U	5 U	5 U	5 U
4-Chlorotoluene	µg/L	5 U	5 U	5 U	5 U	5 U
Acetone	µg/L	250 U	250 U	250 U	250 U	250 U
Bromobenzene	µg/L	5 U	5 U	5 U	5 U	5 U
Bromodichloromethane	µg/L	25 U	25 U	25 U	25 U	25 U
Bromoform	µg/L	5 U	5 U	5 U	5 U	5 U
Bromomethane	µg/L	5 U	5 U	5 U	5 U	5 U
Carbon disulfide	µg/L	5 U	5 U	5 U	5 U	5 U
Carbon tetrachloride	µg/L	5 U	5 U	5 U	5 U	5 U
Chlorobenzene	µg/L	5 U	5 U	5 U	5 U	5 U
Chloroform	µg/L	5 U	5 U	5 U	5 U	5 U
Chloromethane	µg/L	5 U	5 U	5 U	5 U	5 U
cis-1,3-Dichloropropene	µg/L	5 U	5 U	5 U	5 U	5 U
Dibromochloromethane	µg/L	5 U	5 U	5 U	5 U	5 U
Dibromomethane	µg/L	50 U	50 U	50 U	50 U	50 U
Dichlorodifluoromethane	µg/L	5 U	5 U	5 U	5 U	5 U
Dichloromethane	µg/L	25 U	25 U	25 U	25 U	25 U
Methyl ethyl ketone	µg/L	500 U	500 U	500 U	500 U	500 U
Methyl iso butyl ketone	µg/L	100 U	100 U	100 U	100 U	100 U
trans-1,3-Dichloropropene	µg/L	5 U	5 U	5 U	5 U	5 U
Trichlorofluoromethane	µg/L	5 U	5 U	5 U	5 U	5 U
Vinyl acetate	µg/L	100 U	100 U	100 U	100 U	100 U

	Event	Terra Vac's Fox Ave/Myrtle Street Supplemental Investigation				
	Location	B-13	B-58	B-59	B-60	B-61
	SampleID	**B-13**	**B-58**	**B-59**	**B-60**	**B-61**
	Depth (bgs)	7 - 12 ft	7 - 12 ft	25 - 30 ft	7 - 12 ft	39 - 44 ft
	Sample Date	07/15/1999	07/15/1999	07/15/1999	07/15/1999	07/15/1999
BTEX						
Benzene	µg/L	5 U	5 U	5 U	5 U	6.2
Toluene	µg/L	5 U	5 U	5 U	5 U	5 U
Ethylbenzene	µg/L	5 U	11	5 U	5 U	5 U
Xylene (meta & para)	µg/L	10 U	10 U	10 U	10 U	10 U
Xylene (ortho)	µg/L	5 U	9.1	5 U	5 U	5 U
Xylene (total)	µg/L	10 U	9.1	10 U	10 U	10 U
Alkylated Benzenes						
1,3,5-Trimethylbenzene	µg/L	5 U	5 U	5 U	5 U	5 U
n-Propylbenzene	µg/L	5 U	5 U	5 U	5 U	5 U
1,2,4-Trimethylbenzene	µg/L	5 U	5 U	5 U	5 U	5 U
iso-Propylbenzene	µg/L	5 U	5 U	5 U	5 U	5 U
iso-Propyltoluene	µg/L	5 U	5 U	5 U	5 U	5 U
n-Butylbenzene	µg/L	5 U	5 U	5 U	5 U	5 U
sec-Butylbenzene	µg/L	5 U	7.8	5 U	5 U	5 U
Styrene	µg/L	5 U	5 U	5 U	5 U	5 U
tert-Butylbenzene	µg/L	5 U	5 U	5 U	5 U	5 U
Semivolatile Organic Compounds						
Benzo(a)anthracene	µg/L		1 U	1 U	1 U	1 U
Benzo(a)pyrene	µg/L		1 U	1 U	1 U	1 U
Benzo(g,h,i)perylene	µg/L		1 U	1 U	1 U	1 U
Benzo(b)fluoranthene	µg/L		1 U	1 U	1 U	1 U
Benzo(k)fluoranthene	µg/L		1 U	1 U	1 U	1 U
Chrysene	µg/L		1 U	1 U	1 U	1 U
Dibenzo(a,h)anthracene	µg/L		1 U	1 U	1 U	1 U
Fluoranthene	µg/L		1 U	1 U	1 U	1 U
Indeno(1,2,3-cd)pyrene	µg/L		1 U	1 U	1 U	1 U
Pyrene	µg/L		1 U	1 U	1 U	1 U
Acenaphthene	µg/L		1 U	1 U	1 U	1 U
Acenaphthylene	µg/L		1 U	1 U	1 U	1 U
Anthracene	µg/L		1 U	1 U	1 U	1 U
Fluorene	µg/L		1 U	1 U	1 U	1 U
Naphthalene	µg/L	50 U	1 U	50 U	50 U	50 U
Phenanthrene	µg/L		1 U	1 U	1 U	1 U
bis(2-ethylhexyl)phthalate	µg/L		8.8	1.6	1 U	1.5
Di-n-butyl phthalate	µg/L		1 U	1 U	1 U	1 U
Butyl benzyl phthalate	µg/L		1 U	1.4	1 U	1 U
Diethylphthalate	µg/L		1 U	1 U	1 U	1 U
Dimethyl phthalate	µg/L		1 U	1 U	1 U	1 U
Di-n-octyl phthalate	µg/L		1 U	1 U	1 U	10 U
Pentachlorophenol	µg/L		12	10 U	10 U	10 U
2,4-Dichlorophenol	µg/L		1 U	1 U	1 U	1 U
2,4,5-Trichlorophenol	µg/L		1 U	1 U	1 U	1 U
2,4,6-Trichlorophenol	µg/L		1 U	1 U	1 U	1 U
2-Chlorophenol	µg/L		1 U	1 U	1 U	1 U
2,4-Dimethylphenol	µg/L		1 U	1 U	1 U	1 U
2,4-Dinitrophenol	µg/L		10 U	10 U	10 U	10 U
2,4-Dinitrotoluene	µg/L		1 U	1 U	1 U	1 U
2,6-Dinitrotoluene	µg/L		1 U	1 U	1 U	1 U

	Event	Terra Vac's Fox Ave/Myrtle Street Supplemental Investigation				
	Location	B-13	B-58	B-59	B-60	B-61
	SampleID	**B-13**	**B-58**	**B-59**	**B-60**	**B-61**
	Depth (bgs)	7 - 12 ft	7 - 12 ft	25 - 30 ft	7 - 12 ft	39 - 44 ft
	Sample Date	07/15/1999	07/15/1999	07/15/1999	07/15/1999	07/15/1999
Semivolatile Organic Compounds						
2-Chloronaphthalene	µg/L		1 U	1 U	1 U	18
2-Methylphenol	µg/L		1 U	1 U	1 U	1 U
2-Nitroaniline	µg/L		1 U	1 U	1 U	1 U
2-Nitrophenol	µg/L		10 U	10 U	10 U	10 U
3,3'-Dichlorobenzidine	µg/L		1 U	1 U	1 U	1 U
2-Methylnaphthalene	µg/L		1 U	1 U	1 U	1 U
3-Nitroaniline	µg/L		1 U	1 U	1 U	1 U
4,6-Dinitro-o-cresol	µg/L		10 U	10 U	10 U	10 U
4-Bromophenyl phenyl ether	µg/L		1 U	1 U	1 U	1 U
4-Chloro-3-methylphenol	µg/L		1 U	1 U	1 U	1 U
4-Chloroaniline	µg/L		1 U	1 U	1 U	1 U
4-Chlorophenyl phenyl ether	µg/L		1 U	1 U	1 U	1 U
4-Methylphenol	µg/L		1 U	1 U	1 U	1 U
4-Nitroaniline	µg/L		1 U	1 U	1 U	1 U
4-Nitrophenol	µg/L		10 UJ	10 UJ	10 UJ	10 UJ
Aniline	µg/L		1 U	1 U	1 U	1 U
Benzidine	µg/L		1 U	1 U	1 U	1 U
Benzoic acid	µg/L		14	10 U	10 U	10 U
Benzyl alcohol	µg/L		1 U	1 U	1 U	1 U
bis(2-chloroethoxy)methane	µg/L		1 U	1 U	1 U	1 U
bis(2-chloroethyl)ether	µg/L		10 U	10 U	10 U	10 U
bis(2-chloroisopropyl)ether	µg/L		1 U	1 U	1 U	1 U
Carbazole	µg/L		1 U	1 U	1 U	1 U
Dibenzofuran	µg/L		1 U	1 U	1 U	1 U
Hexachlorobenzene	µg/L		1 U	1 U	1 U	1 U
Hexachlorobutadiene	µg/L	50 U	50 U	50 U	50 U	1 U
Hexachlorocyclopentadiene	µg/L		1 U	1 U	1 U	1 U
Hexachloroethane	µg/L		1 U	1 U	1 U	1 U
Isophorone	µg/L		1 U	1 U	1 U	1 U
Nitrobenzene	µg/L		1 U	1 U	1 U	1 U
N-Nitroso-di-n-propylamine	µg/L		1 U	1 U	1 U	5.4
N-Nitrosodiphenylamine	µg/L		1 U	1 U	1 U	1 U
Phenol	µg/L		1 UJ	1 UJ	1 UJ	1 UJ

	Event	Terra Vac's Fox Ave/Myrtle Street Supplemental Investigation				
	Location	B-62	B-62	B-63	B-63	B-64
	SampleID	**B-62**	**B-62 DUP**	**B-63**	**B-63 DUP**	**B-64**
	Depth (bgs)	8 - 13 ft	8 - 13 ft	39 - 44 ft	39 - 44 ft	7 - 12 ft
	Sample Date	07/08/1999	07/08/1999	07/15/1999	07/15/1999	07/15/1999
Volatile Organic Compounds						
Tetrachloroethene	µg/L	470	410	40	8.7	61
Trichloroethene	µg/L	180	180	920	940	14
cis-1,2-Dichloroethene	µg/L	57	54	3700	3500	5 U
trans-1,2-Dichloroethene	µg/L	1 U	1 U	37	35	5 U
1,1-Dichloroethene	µg/L	1 UJ	1 UJ	44 J	42 J	5 UJ
Vinyl chloride	µg/L	35	36	2500	2400	5 U
1,1,1,2-Tetrachloroethane	µg/L	1 U	1 U	5 U	5 U	5 U
1,1,1-Trichloroethane	µg/L	30	27	25 U	25 U	25 U
1,1,2,2-Tetrachloroethane	µg/L	5 U	5 U	25 U	25 U	25 U
1,1,2-Trichloroethane	µg/L	1 U	1 U	5 U	5 U	5 U
1,1-Dichloroethane	µg/L	2.2	2.1	27	25	5 U
Chloroethane	µg/L	1 U	1 U	5 U	5 U	5 U
1,1-Dichloropropene	µg/L	1 U	1 U	5 U	5 U	5 U
1,2,3-Trichlorobenzene	µg/L	1 U	1 U	5 U	5 U	5 U
1,2,3-Trichloropropane	µg/L	5 U	5 U	25 U	25 U	25 U
1,2,4-Trichlorobenzene	µg/L	1 U	1 U	5 U	5 U	5 U
1,2-Dibromo-3-chloropropane	µg/L	10 U	10 U	50 U	50 U	50 U
1,2-Dibromoethane	µg/L	1 U	1 U	5 U	5 U	5 U
1,2-Dichlorobenzene	µg/L	1 U	1 U	5 U	5 U	5 U
1,2-Dichloroethane	µg/L	1 U	1 U	5 U	5 U	5 U
1,2-Dichloropropane	µg/L	1 U	1 U	5 U	5 U	5 U
1,3-Dichlorobenzene	µg/L	1 U	1 U	5 U	5 U	5 U
1,3-Dichloropropane	µg/L	1 U	1 U	5 U	5 U	5 U
1,4-Dichlorobenzene	µg/L	1 U	1 U	5 U	5 U	5 U
2,2-Dichloropropane	µg/L	1 U	1 U	5 U	5 U	5 U
2-Chloroethyl vinyl ether	µg/L	20 U	20 U	100 U	1000 U	100 U
2-Chlorotoluene	µg/L	1 U	1 U	5 U	5 U	5 U
4-Chlorotoluene	µg/L	1 U	1 U	5 U	5 U	5 U
Acetone	µg/L	50 U	50 U	250 U	250 U	250 U
Bromobenzene	µg/L	1 U	1 U	5 U	5 U	5 U
Bromodichloromethane	µg/L	5 U	5 U	25 U	25 U	25 U
Bromoform	µg/L	1 U	1 U	5 U	5 U	5 U
Bromomethane	µg/L	1 U	1 U	5 U	5 U	5 U
Carbon disulfide	µg/L	1 U	1 U	5 U	5 U	5 U
Carbon tetrachloride	µg/L	1 U	1 U	5 U	5 U	5 U
Chlorobenzene	µg/L	1 U	1 U	5 U	5 U	5 U
Chloroform	µg/L	1 U	1 U	13	14	5 U
Chloromethane	µg/L	1 U	1 U	5 U	5 U	5 U
cis-1,3-Dichloropropene	µg/L	1 U	1 U	5 U	5 U	5 U
Dibromochloromethane	µg/L	1 U	1 U	5 U	5 U	5 U
Dibromomethane	µg/L	10 U	10 U	50 U	50 U	50 U
Dichlorodifluoromethane	µg/L	1 U	1 U	5 U	5 U	5 U
Dichloromethane	µg/L	5 U	5 U	25 U	25 U	25 U
Methyl ethyl ketone	µg/L	100 U	100 U	500 U	500 U	500 U
Methyl iso butyl ketone	µg/L	20 U	20 U	100 U	100 U	100 U
trans-1,3-Dichloropropene	µg/L	1 U	1 U	5 U	5 U	5 U
Trichlorofluoromethane	µg/L	1 U	1 U	5 U	5 U	5 U
Vinyl acetate	µg/L	20 U	20 U	100 U	100 U	100 U

	Event	Terra Vac's Fox Ave/Myrtle Street Supplemental Investigation				
	Location	B-62	B-62	B-63	B-63	B-64
	SampleID	**B-62**	**B-62 DUP**	**B-63**	**B-63 DUP**	**B-64**
	Depth (bgs)	8 - 13 ft	8 - 13 ft	39 - 44 ft	39 - 44 ft	7 - 12 ft
	Sample Date	07/08/1999	07/08/1999	07/15/1999	07/15/1999	07/15/1999
BTEX						
Benzene	µg/L	1 U	1 U	8.1	7.5	5 U
Toluene	µg/L	1 U	1 U	250	260	5 U
Ethylbenzene	µg/L	1 U	1 U	30	30	5 U
Xylene (meta & para)	µg/L	2 U	2 U	10 U	27	10 U
Xylene (ortho)	µg/L	1 U	1 U	11	9.8	5 U
Xylene (total)	µg/L	2 U	2 U	11	36.8	10 U
Alkylated Benzenes						
1,3,5-Trimethylbenzene	µg/L	1 U	1 U	5 U	5 U	5 U
n-Propylbenzene	µg/L	1 U	1 U	5 U	5 U	5 U
1,2,4-Trimethylbenzene	µg/L	1 U	1 U	7.2	7.2	5 U
iso-Propylbenzene	µg/L	1 U	1 U	5 U	5 U	5 U
iso-Propyltoluene	µg/L	1 U	1 U	5 U	5 U	5 U
n-Butylbenzene	µg/L	1 U	1 U	5 U	5 U	5 U
sec-Butylbenzene	µg/L	1 U	1 U	5 U	5 U	5 U
Styrene	µg/L	1 U	1 U	5 U	5 U	5 U
tert-Butylbenzene	µg/L	1 U	1 U	5 U	5 U	5 U
Semivolatile Organic Compounds						
Benzo(a)anthracene	µg/L			1 U		
Benzo(a)pyrene	µg/L			1 U		
Benzo(g,h,i)perylene	µg/L			1 U		
Benzo(b)fluoranthene	µg/L			1 U		
Benzo(k)fluoranthene	µg/L			1 U		
Chrysene	µg/L			1 U		
Dibenzo(a,h)anthracene	µg/L			1 U		
Fluoranthene	µg/L			1 U		
Indeno(1,2,3-cd)pyrene	µg/L			1 U		
Pyrene	µg/L			1 U		
Acenaphthene	µg/L			1 U		
Acenaphthylene	µg/L			1 U		
Anthracene	µg/L			1 U		
Fluorene	µg/L			1 U		
Naphthalene	µg/L	10 U	10 U	50 U	50 U	50 U
Phenanthrene	µg/L			1 U		
bis(2-ethylhexyl)phthalate	µg/L			1 U		
Di-n-butyl phthalate	µg/L			1 U		
Butyl benzyl phthalate	µg/L			1 U		
Diethylphthalate	µg/L			1 U		
Dimethyl phthalate	µg/L			1 U		
Di-n-octyl phthalate	µg/L			1 U		
Pentachlorophenol	µg/L			10 U		
2,4-Dichlorophenol	µg/L			1 U		
2,4,5-Trichlorophenol	µg/L			1 U		
2,4,6-Trichlorophenol	µg/L			1 U		
2-Chlorophenol	µg/L			1 U		
2,4-Dimethylphenol	µg/L			1 U		
2,4-Dinitrophenol	µg/L			10 U		
2,4-Dinitrotoluene	µg/L			1 U		
2,6-Dinitrotoluene	µg/L			1 U		

	Event	Terra Vac's Fox Ave/Myrtle Street Supplemental Investigation				
	Location	B-62	B-62	B-63	B-63	B-64
	SampleID	**B-62**	**B-62 DUP**	**B-63**	**B-63 DUP**	**B-64**
	Depth (bgs)	8 - 13 ft	8 - 13 ft	39 - 44 ft	39 - 44 ft	7 - 12 ft
	Sample Date	07/08/1999	07/08/1999	07/15/1999	07/15/1999	07/15/1999
Semivolatile Organic Compounds						
2-Chloronaphthalene	µg/L			1 U		
2-Methylphenol	µg/L			1 U		
2-Nitroaniline	µg/L			1 U		
2-Nitrophenol	µg/L			10 U		
3,3'-Dichlorobenzidine	µg/L			1 U		
2-Methylnaphthalene	µg/L			1 U		
3-Nitroaniline	µg/L			1 U		
4,6-Dinitro-o-cresol	µg/L			10 U		
4-Bromophenyl phenyl ether	µg/L			1 U		
4-Chloro-3-methylphenol	µg/L			1 U		
4-Chloroaniline	µg/L			1 U		
4-Chlorophenyl phenyl ether	µg/L			1 U		
4-Methylphenol	µg/L			1 U		
4-Nitroaniline	µg/L			1 U		
4-Nitrophenol	µg/L			10 UJ		
Aniline	µg/L			1 U		
Benzidine	µg/L			1 U		
Benzoic acid	µg/L			10 U		
Benzyl alcohol	µg/L			1 U		
bis(2-chloroethoxy)methane	µg/L			1 U		
bis(2-chloroethyl)ether	µg/L			10 U		
bis(2-chloroisopropyl)ether	µg/L			1 U		
Carbazole	µg/L			1 U		
Dibenzofuran	µg/L			1 U		
Hexachlorobenzene	µg/L			1 U		
Hexachlorobutadiene	µg/L	10 U	10 U	1 U	50 U	50 U
Hexachlorocyclopentadiene	µg/L			1 U		
Hexachloroethane	µg/L			1 U		
Isophorone	µg/L			1 U		
Nitrobenzene	µg/L			1 U		
N-Nitroso-di-n-propylamine	µg/L			1 U		
N-Nitrosodiphenylamine	µg/L			1 U		
Phenol	µg/L			1 UJ		

	Event	Terra Vac's Fox Ave/Myrtle Street Supplemental Investigation				
	Location	B-65	TW-1	TW-2	TW-3	TW-3
	SampleID	**B-65**	**TW-1**	**TW-2**	**TW-3**	**TW-3 DUP**
	Depth (bgs)	30 - 35 ft	6 - 11 ft	7 - 12 ft	7 - 12 ft	7 - 12 ft
	Sample Date	07/15/1999	07/06/1999	07/06/1999	07/06/1999	07/06/1999
Volatile Organic Compounds						
Tetrachloroethene	µg/L	15	430	500	130	140
Trichloroethene	µg/L	57	93	230	140	150
cis-1,2-Dichloroethene	µg/L	47000	95	640	780	780
trans-1,2-Dichloroethene	µg/L	340	1.5	12	8.9	11
1,1-Dichloroethene	µg/L	230 J	1 UJ	2.2 J	1 UJ	1 UJ
Vinyl chloride	µg/L	11000	31	200	12	9.9
1,1,1,2-Tetrachloroethane	µg/L	5 U	1 U	1 U	1 U	1 U
1,1,1-Trichloroethane	µg/L	25 U	5 U	16	8.6	9.4
1,1,2,2-Tetrachloroethane	µg/L	25 U	5 U	5 U	5 U	5 U
1,1,2-Trichloroethane	µg/L	5 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	µg/L	47	2.2	5.9	2.4	2.5
Chloroethane	µg/L	5 U	1 U	1 U	1 U	1 U
1,1-Dichloropropene	µg/L	5 U	1 U	1 U	1 U	1 U
1,2,3-Trichlorobenzene	µg/L	5 U	1 U	1 U	1 U	1 U
1,2,3-Trichloropropane	µg/L	25 U	5 U	5 U	5 U	5 U
1,2,4-Trichlorobenzene	µg/L	5 U	1 U	1 U	1 U	1 U
1,2-Dibromo-3-chloropropane	µg/L	50 U	10 U	10 U	10 U	10 U
1,2-Dibromoethane	µg/L	5 U	1 U	1 U	1 U	1 U
1,2-Dichlorobenzene	µg/L	5 U	1 U	1 U	1 U	1 U
1,2-Dichloroethane	µg/L	5 U	1 U	1 U	1 U	1 U
1,2-Dichloropropane	µg/L	5 U	1 U	1 U	1 U	1 U
1,3-Dichlorobenzene	µg/L	5 U	1 U	1 U	1 U	1 U
1,3-Dichloropropane	µg/L	5 U	1 U	1 U	1 U	1 U
1,4-Dichlorobenzene	µg/L	5 U	1 U	1 U	1 U	1 U
2,2-Dichloropropane	µg/L	5 U	1 U	1 U	1 U	1 U
2-Chloroethyl vinyl ether	µg/L	100 U	20 U	20 U	20 U	20 U
2-Chlorotoluene	µg/L	5 U	1 U	1 U	1 U	1 U
4-Chlorotoluene	µg/L	5 U	1 U	1 U	1 U	1 U
Acetone	µg/L	250 U	50 U	50 U	50 U	50 U
Bromobenzene	µg/L	5 U	1 U	1 U	1 U	1 U
Bromodichloromethane	µg/L	25 U	5 U	5 U	5 U	5 U
Bromoform	µg/L	5 U	1 U	1 U	1 U	1 U
Bromomethane	µg/L	5 U	1 U	1 U	1 U	1 U
Carbon disulfide	µg/L	5 U	1 U	1 U	1 U	1 U
Carbon tetrachloride	µg/L	5 U	1 U	1 U	1 U	1 U
Chlorobenzene	µg/L	5 U	1 U	1 U	1 U	1 U
Chloroform	µg/L	5 U	1 U	2.5	1	1.2
Chloromethane	µg/L	5 U	1 U	1 U	1 U	1 U
cis-1,3-Dichloropropene	µg/L	5 U	1 U	1 U	1 U	1 U
Dibromochloromethane	µg/L	5 U	1 U	1 U	1 U	1 U
Dibromomethane	µg/L	50 U	10 U	10 U	10 U	10 U
Dichlorodifluoromethane	µg/L	5 U	1 U	1 U	1 U	1 U
Dichloromethane	µg/L	25 U	5 U	5 U	5 U	5 U
Methyl ethyl ketone	µg/L	500 U	100 U	100 U	100 U	100 U
Methyl iso butyl ketone	µg/L	100 U	20 U	20 U	20 U	20 U
trans-1,3-Dichloropropene	µg/L	5 U	1 U	1 U	1 U	1 U
Trichlorofluoromethane	µg/L	5 U	1 U	1 U	1 U	1 U
Vinyl acetate	µg/L	100 U	20 U	20 U	20 U	20 U

	Event	Terra Vac's Fox Ave/Myrtle Street Supplemental Investigation				
	Location	B-65	TW-1	TW-2	TW-3	TW-3
	SampleID	**B-65**	**TW-1**	**TW-2**	**TW-3**	**TW-3 DUP**
	Depth (bgs)	30 - 35 ft	6 - 11 ft	7 - 12 ft	7 - 12 ft	7 - 12 ft
	Sample Date	07/15/1999	07/06/1999	07/06/1999	07/06/1999	07/06/1999
BTEX						
Benzene	µg/L	8.7	1 U	3.1	1 U	1 U
Toluene	µg/L	98	1 U	1.4	1 U	1 U
Ethylbenzene	µg/L	84	1 U	1 U	1 U	1 U
Xylene (meta & para)	µg/L	10 U	2 U	2 U	2 U	2 U
Xylene (ortho)	µg/L	5 U	1 U	1 U	1 U	1 U
Xylene (total)	µg/L	10 U	2 U	2 U	2 U	2 U
Alkylated Benzenes						
1,3,5-Trimethylbenzene	µg/L	5 U	1 U	1 U	1 U	1 U
n-Propylbenzene	µg/L	5 U	1 U	1 U	1 U	1 U
1,2,4-Trimethylbenzene	µg/L	5 U	1 U	1 U	1 U	1 U
iso-Propylbenzene	µg/L	5 U	1 U	1 U	1 U	1 U
iso-Propyltoluene	µg/L	5 U	1 U	1 U	1 U	1 U
n-Butylbenzene	µg/L	5 U	1 U	1 U	1 U	1 U
sec-Butylbenzene	µg/L	5 U	1 U	1 U	1 U	1 U
Styrene	µg/L	5 U	1 U	1 U	1 U	1 U
tert-Butylbenzene	µg/L	5 U	1 U	1 U	1 U	1 U
Semivolatile Organic Compounds						
Naphthalene	µg/L	50 U	10 U	10 U	10 U	10 U
Hexachlorobutadiene	µg/L	50 U	10 U	10 U	10 U	10 U

	Event	Terra Vac's Fox Ave/Myrtle Street Supplemental Investigation				
	Location	TW-5	TW-6	TW-7		
	SampleID	**TW-5**	**TW-6**	**TW-7**		
	Depth (bgs)	7 - 12 ft	6 - 11 ft	6 - 11 ft		
	Sample Date	07/08/1999	07/08/1999	07/08/1999		
Volatile Organic Compounds						
Tetrachloroethene	µg/L	3900	3300	2.7		
Trichloroethene	µg/L	790	150	1 U		
cis-1,2-Dichloroethene	µg/L	550	86	1 U		
trans-1,2-Dichloroethene	µg/L	5.6	1 U	1 U		
1,1-Dichloroethene	µg/L	1 UJ	1 UJ	1 UJ		
Vinyl chloride	µg/L	18	3.4	1 U		
1,1,1,2-Tetrachloroethane	µg/L	1 U	1 U	1 U		
1,1,1-Trichloroethane	µg/L	5 U	5 U	5 U		
1,1,2,2-Tetrachloroethane	µg/L	5 U	5 U	5 U		
1,1,2-Trichloroethane	µg/L	1 U	1 U	1 U		
1,1-Dichloroethane	µg/L	1 U	1 U	1 U		
Chloroethane	µg/L	1 U	1 U	1 U		
1,1-Dichloropropene	µg/L	1 U	1 U	1 U		
1,2,3-Trichlorobenzene	µg/L	1 U	1 U	1 U		
1,2,3-Trichloropropane	µg/L	5 U	5 U	5 U		
1,2,4-Trichlorobenzene	µg/L	1 U	1 U	1 U		
1,2-Dibromo-3-chloropropane	µg/L	10 U	10 U	10 U		
1,2-Dibromoethane	µg/L	1 U	1 U	1 U		
1,2-Dichlorobenzene	µg/L	1 U	1 U	1 U		
1,2-Dichloroethane	µg/L	1 U	1 U	1 U		
1,2-Dichloropropane	µg/L	1 U	1 U	1 U		
1,3-Dichlorobenzene	µg/L	1 U	1 U	1 U		
1,3-Dichloropropane	µg/L	1 U	1 U	1 U		
1,4-Dichlorobenzene	µg/L	1 U	1 U	1 U		
2,2-Dichloropropane	µg/L	1 U	1 U	1 U		
2-Chloroethyl vinyl ether	µg/L	20 U	20 U	20 U		
2-Chlorotoluene	µg/L	1 U	1 U	1 U		
4-Chlorotoluene	µg/L	1 U	1 U	1 U		
Acetone	µg/L	50 U	50 U	50 U		
Bromobenzene	µg/L	1 U	1 U	1 U		
Bromodichloromethane	µg/L	5 U	5 U	5 U		
Bromoform	µg/L	1 U	1 U	1 U		
Bromomethane	µg/L	1 U	1 U	1 U		
Carbon disulfide	µg/L	1 U	1 U	1 U		
Carbon tetrachloride	µg/L	1 U	1 U	1 U		
Chlorobenzene	µg/L	1 U	1 U	1 U		
Chloroform	µg/L	1 U	1 U	1 U		
Chloromethane	µg/L	1 U	1 U	1 U		
cis-1,3-Dichloropropene	µg/L	1 U	1 U	1 U		
Dibromochloromethane	µg/L	1 U	1 U	1 U		
Dibromomethane	µg/L	10 U	10 U	10 U		
Dichlorodifluoromethane	µg/L	1 U	1 U	1 U		
Dichloromethane	µg/L	5 U	5 U	5 U		
Methyl ethyl ketone	µg/L	100 U	100 U	100 U		
Methyl iso butyl ketone	µg/L	20 U	20 U	20 U		
trans-1,3-Dichloropropene	µg/L	1 U	1 U	1 U		
Trichlorofluoromethane	µg/L	1 U	1 U	1 U		
Vinyl acetate	µg/L	20 U	20 U	20 U		

	Event	Terra Vac's Fox Ave/Myrtle Street Supplemental Investigation				
	Location	TW-5	TW-6	TW-7		
	SampleID	**TW-5**	**TW-6**	**TW-7**		
	Depth (bgs)	7 - 12 ft	6 - 11 ft	6 - 11 ft		
	Sample Date	07/08/1999	07/08/1999	07/08/1999		
BTEX						
Benzene	µg/L	1 U	1 U	1 U		
Toluene	µg/L	1 U	1 U	1 U		
Ethylbenzene	µg/L	1 U	1 U	1 U		
Xylene (meta & para)	µg/L	2 U	2 U	2 U		
Xylene (ortho)	µg/L	1 U	1 U	1 U		
Xylene (total)	µg/L	2 U	2 U	2 U		
Alkylated Benzenes						
1,3,5-Trimethylbenzene	µg/L	1 U	1 U	1 U		
n-Propylbenzene	µg/L	1 U	1 U	1 U		
1,2,4-Trimethylbenzene	µg/L	1 U	1 U	1 U		
iso-Propylbenzene	µg/L	1 U	1 U	1 U		
iso-Propyltoluene	µg/L	1 U	1 U	1 U		
n-Butylbenzene	µg/L	1 U	1 U	1 U		
sec-Butylbenzene	µg/L	1 U	1 U	1 U		
Styrene	µg/L	1 U	1 U	1 U		
tert-Butylbenzene	µg/L	1 U	1 U	1 U		
Semivolatile Organic Compounds						
Naphthalene	µg/L	10 U	10 U	10 U		
Hexachlorobutadiene	µg/L	10 U	10 U	10 U		

	Event	Terra Vac's Northwest Corner Supplemental Investigation				
	Location	B-13	B-13	B-13	B-22	B-22
	SampleID	**B-13**	**B-13**	**B-13**	**B-22**	**B-22**
	Depth (bgs)	7 - 12 ft	7 - 12 ft	7 - 12 ft	7 - 13 ft	7 - 13 ft
	Sample Date	12/17/1998	02/05/1999	04/08/1999	12/17/1998	02/05/1999
Volatile Organic Compounds						
Tetrachloroethene	µg/L	4600 U	4300	4600 U	1850	1850
Trichloroethene	µg/L	180	180	214	226	226
cis-1,2-Dichloroethene	µg/L	74	74	74	320	320
trans-1,2-Dichloroethene	µg/L	10 U	50 U	10 U	10 U	10 U
1,1-Dichloroethene	µg/L	10 U	50 U	1 U	1.01	1.01
Vinyl chloride	µg/L	50 U	50 U	10 U	44	17.4
1,1,1,2-Tetrachloroethane	µg/L	50 U	1.59	50 U	10 U	10 U
1,1,1-Trichloroethane	µg/L	3.37	3.37	10 U	1.55	10 U
1,1,2,2-Tetrachloroethane	µg/L	10 U	10 U	1 U	10 U	10 U
1,1,2-Trichloroethane	µg/L	10 U	1 U	10 U	10 U	10 U
1,1-Dichloroethane	µg/L	10 U	1.31	1.31	10 U	1.97
Chloroethane	µg/L	10 U	1 U	1 U	10 U	1 U
1,1-Dichloropropene	µg/L	1 U	1 U	10 U	1 U	1 U
1,2,3-Trichlorobenzene	µg/L	1 U	10 U	10 U	1 U	10 U
1,2,3-Trichloropropane	µg/L	250 U	1 U	1 U	50 U	1 U
1,2,4-Trichlorobenzene	µg/L	1 U	10 U	10 U	1 U	1 U
1,2-Dibromo-3-chloropropane	µg/L	250 U	50 U	250 U	50 U	5 U
1,2-Dibromoethane	µg/L	50 U	50 U	50 U	10 U	1 U
1,2-Dichlorobenzene	µg/L	1 U	1 U	1 U	10 U	1 U
1,2-Dichloroethane	µg/L	10 U	10 U	1 U	10 U	10 U
1,2-Dichloropropane	µg/L	1 U	50 U	1 U	10 U	1 U
1,3-Dichlorobenzene	µg/L	10 U	50 U	1 U	1 U	1 U
1,3-Dichloropropane	µg/L	10 U	50 U	1 U	10 U	1 U
1,4-Dichlorobenzene	µg/L	1 U	1 U	1 U	10 U	10 U
2,2-Dichloropropane	µg/L	1 U	50 U	10 U	1 U	1 U
2-Chloroethyl vinyl ether	µg/L	1000 U	1000 U	1000 U		
2-Chlorotoluene	µg/L	1 U	1 U	10 U	1 U	1 U
2-Hexanone	µg/L	10 U	10 U	10 U	10 U	10 U
4-Chlorotoluene	µg/L	1 U	10 U	1 U	10 U	10 U
Acetone	µg/L	10 U	10 U	10 U	10 U	10 U
Bromobenzene	µg/L	1 U	1 U	1 U	10 U	10 U
Bromochloromethane	µg/L	1 U	1 U	1 U	1 U	1 U
Bromodichloromethane	µg/L	1 U	250 U	10 U	1 U	1 U
Bromoform	µg/L	50 U	1 U	50 U	1 U	10 U
Bromomethane	µg/L	50 U	50 U	50 U	1 U	1 U
Carbon disulfide	µg/L	1 U	1 U	1 U	1 U	1 U
Carbon tetrachloride	µg/L	50 U	50 U	1 U	50 U	1 U
Chlorobenzene	µg/L	1 U	1 U	50 U	10 U	1 U
Chloroform	µg/L	50 U	10 U	10 U	10 U	10 U
Chloromethane	µg/L	5 U	10 U	5 U	5 U	5 U
cis-1,3-Dichloropropene	µg/L	50 U	10 U	1 U	1 U	10 U
Dibromochloromethane	µg/L	1 U	50 U	10 U	10 U	1 U
Dibromomethane	µg/L	50 U	50 U	50 U	1 U	10 U
Dichlorodifluoromethane	µg/L	1 U	50 U	10 U	10 U	1 U
Dichloromethane	µg/L	50 U	5 U	250 U	50 U	5 U
Methyl ethyl ketone	µg/L	10 U	10 U	10 U	10 U	10 U
Methyl iso butyl ketone	µg/L	10 U	10 U	10 U	10 U	10 U
trans-1,3-Dichloropropene	µg/L	50 U	10 U	10 U	1 U	1 U

	Event	Terra Vac's Northwest Corner Supplemental Investigation				
	Location	B-13	B-13	B-13	B-22	B-22
	SampleID	**B-13**	**B-13**	**B-13**	**B-22**	**B-22**
	Depth (bgs)	7 - 12 ft	7 - 12 ft	7 - 12 ft	7 - 13 ft	7 - 13 ft
	Sample Date	12/17/1998	02/05/1999	04/08/1999	12/17/1998	02/05/1999
Volatile Organic Compounds						
Trichlorofluoromethane	µg/L	1 U	10 U	50 U	10 U	1 U
BTEX						
Benzene	µg/L	1 U	10 U	1 U	1 U	10 U
Toluene	µg/L	1 U	10 U	1 U	1 U	10 U
Ethylbenzene	µg/L	1 U	1 U	10 U	10 U	10 U
Xylene (meta & para)	µg/L	20 U	2 U	20 U	20 U	20 U
Xylene (ortho)	µg/L	1 U	10 U	1 U	10 U	10 U
Xylene (total)	µg/L	2 U	2 U	20 U	2 U	2 U
Alkylated Benzenes						
1,3,5-Trimethylbenzene	µg/L	1 U	10 U	1 U	1 U	1 U
n-Propylbenzene	µg/L	1 U	1 U	10 U	1 U	1 U
1,2,4-Trimethylbenzene	µg/L	10 U	10 U	1 U	10 U	1 U
iso-Propylbenzene	µg/L	10 U	10 U	10 U	10 U	10 U
iso-Propyltoluene	µg/L	10 U	1 U	10 U	1 U	10 U
n-Butylbenzene	µg/L	10 U	1 U	10 U	10 U	1 U
sec-Butylbenzene	µg/L	1 U	1 U	1 U	10 U	10 U
Styrene	µg/L	1 U	10 U	10 U	10 U	10 U
tert-Butylbenzene	µg/L	10 U	10 U	10 U	1 U	1 U
Semivolatile Organic Compounds						
Naphthalene	µg/L	50 U	50 U	1 U	50 U	1 U
Hexachlorobutadiene	µg/L	10 U	1 U	1 U	1 U	10 U

	Event	Terra Vac's Northwest Corner Supplemental Investigation				
	Location	B-23	B-28	B-53	B-53	B-54
	SampleID	**B-23**	**B-28**	**B-53**	**B-53**	**B-54**
	Depth (bgs)	20.5 - 30.5 ft	9 - 14 ft	7 - 14 ft	7 - 14 ft	7 - 15 ft
	Sample Date	12/17/1998	02/05/1999	02/05/1999	04/08/1999	02/05/1999
Volatile Organic Compounds						
Tetrachloroethene	µg/L	7.2	63	930	930	4100
Trichloroethene	µg/L	7.96	1	37	37	93
cis-1,2-Dichloroethene	µg/L	3.49	1 U	20	20	20 U
trans-1,2-Dichloroethene	µg/L	1 U	1 U	10 U	5 U	20 U
1,1-Dichloroethene	µg/L	1 U	1 U	5 U	5 U	20 U
Vinyl chloride	µg/L	1 U	1 U	10 U	5 U	20 U
1,1,1,2-Tetrachloroethane	µg/L	1 U	1 U	5 U	5 U	20 U
1,1,1-Trichloroethane	µg/L	1 U	1 U	10 U	25 U	10 U
1,1,2,2-Tetrachloroethane	µg/L	1 U	1 U	10 U	25 U	10 U
1,1,2-Trichloroethane	µg/L	1 U	1 U	10 U	10 U	20 U
1,1-Dichloroethane	µg/L	1 U	1 U	5 U	5 U	20 U
Chloroethane	µg/L	1 U	1 U	5 U	10 U	10 U
1,1-Dichloropropene	µg/L	1 U	1 U	10 U	5 U	10 U
1,2,3-Trichlorobenzene	µg/L	1 U	1 U	10 U	10 U	10 U
1,2,3-Trichloropropane	µg/L	1 U	5 U	50 U	50 U	50 U
1,2,4-Trichlorobenzene	µg/L	1 U	1 U	1 U	10 U	100 U
1,2-Dibromo-3-chloropropane	µg/L	5 U	5 U	50 U	50 U	100 U
1,2-Dibromoethane	µg/L	1 U	1 U	5 U	10 U	20 U
1,2-Dichlorobenzene	µg/L	1 U	1 U	5 U	1 U	1 U
1,2-Dichloroethane	µg/L	1 U	1 U	5 U	5 U	20 U
1,2-Dichloropropane	µg/L	1 U	1 U	5 U	5 U	10 U
1,3-Dichlorobenzene	µg/L	1 U	1 U	5 U	5 U	10 U
1,3-Dichloropropane	µg/L	1 U	1 U	10 U	5 U	10 U
1,4-Dichlorobenzene	µg/L	1 U	1 U	5 U	10 U	10 U
2,2-Dichloropropane	µg/L	1 U	1 U	5 U	5 U	10 U
2-Chloroethyl vinyl ether	µg/L			100 U	100 U	400 U
2-Chlorotoluene	µg/L	1 U	1 U	10 U	5 U	20 U
2-Hexanone	µg/L	10 U				
4-Chlorotoluene	µg/L	1 U	1 U	10 U	5 U	10 U
Acetone	µg/L	10 U				
Bromobenzene	µg/L	1 U	1 U	10 U	5 U	10 U
Bromochloromethane	µg/L	1 U				
Bromodichloromethane	µg/L	1 U	1 U	10 U	25 U	10 U
Bromoform	µg/L	1 U	1 U	5 U	5 U	20 U
Bromomethane	µg/L	1 U	1 U	10 U	5 U	20 U
Carbon disulfide	µg/L	1 U				
Carbon tetrachloride	µg/L	1 U	5 U	5 U	5 U	50 U
Chlorobenzene	µg/L	1 U	1 U	10 U	10 U	20 U
Chloroform	µg/L	1 U	1 U	10 U	5 U	10 U
Chloromethane	µg/L	5 U	1 U	5 U	5 U	20 U
cis-1,3-Dichloropropene	µg/L	1 U	1 U	5 U	10 U	20 U
Dibromochloromethane	µg/L	1 U	1 U	10 U	10 U	20 U
Dibromomethane	µg/L	1 U	1 U	5 U	5 U	10 U
Dichlorodifluoromethane	µg/L	1 U	1 U	10 U	10 U	20 U
Dichloromethane	µg/L	5 U	5 U	50 U	50 U	100 U
Methyl ethyl ketone	µg/L	10 U				
Methyl iso butyl ketone	µg/L	10 U				
trans-1,3-Dichloropropene	µg/L	1 U	1 U	10 U	10 U	10 U

	Event	Terra Vac's Northwest Corner Supplemental Investigation				
	Location	B-23	B-28	B-53	B-53	B-54
	SampleID	**B-23**	**B-28**	**B-53**	**B-53**	**B-54**
	Depth (bgs)	20.5 - 30.5 ft	9 - 14 ft	7 - 14 ft	7 - 14 ft	7 - 15 ft
	Sample Date	12/17/1998	02/05/1999	02/05/1999	04/08/1999	02/05/1999
Volatile Organic Compounds						
Trichlorofluoromethane	µg/L	1 U	1 U	5 U	10 U	20 U
BTEX						
Benzene	µg/L	1 U	1 U	10 U	10 U	10 U
Toluene	µg/L	1 U	1 U	10 U	10 U	10 U
Ethylbenzene	µg/L	1 U	1 U	10 U	10 U	20 U
Xylene (meta & para)	µg/L	2 U	2 U	20 U	20 U	10 U
Xylene (ortho)	µg/L	1 U	1 U	10 U	10 U	10 U
Xylene (total)	µg/L	2 U	2 U	20 U	20 U	10 U
Alkylated Benzenes						
1,3,5-Trimethylbenzene	µg/L	1 U	1 U	10 U	10 U	10 U
n-Propylbenzene	µg/L	1 U	1 U	10 U	10 U	10 U
1,2,4-Trimethylbenzene	µg/L	1 U	1 U	10 U	10 U	10 U
iso-Propylbenzene	µg/L	1 U	1 U	10 U	10 U	10 U
iso-Propyltoluene	µg/L	1 U	1 U	10 U	10 U	10 U
n-Butylbenzene	µg/L	1 U	1 U	10 U	10 U	10 U
sec-Butylbenzene	µg/L	1 U	1 U	10 U	10 U	10 U
Styrene	µg/L	1 U	1 U	10 U	10 U	10 U
tert-Butylbenzene	µg/L	1 U	1 U	10 U	10 U	10 U
Semivolatile Organic Compounds						
Benzo(a)anthracene	µg/L		1 U	1 U	1 U	1 U
Benzo(a)pyrene	µg/L		1 U	1 U	1 U	1 U
Benzo(g,h,i)perylene	µg/L		1 U	1 U	1 U	1 U
Benzo(b)fluoranthene	µg/L		1 U	1 U	1 U	1 U
Benzo(k)fluoranthene	µg/L		1 U	1 U	1 U	1 U
Chrysene	µg/L		1 U	1 U	1 U	1 U
Dibenzo(a,h)anthracene	µg/L		1 U	1 U	1 U	1 U
Fluoranthene	µg/L		1 U	1 U	1 U	1 U
Indeno(1,2,3-cd)pyrene	µg/L		1 U	1 U	1 U	1 U
Pyrene	µg/L		1 U	1 U	1 U	1 U
Acenaphthene	µg/L		1 U	1 U	1 U	1 U
Acenaphthylene	µg/L		1 U	1 U	1 U	1 U
Anthracene	µg/L		1 U	1 U	1 U	1 U
Fluorene	µg/L		1 U	1 U	1 U	1 U
Naphthalene	µg/L	1 U	1 U	50 U	50 U	50 U
Phenanthrene	µg/L		1 U	1 U	1 U	1 U
bis(2-ethylhexyl)phthalate	µg/L		1.1	2.1	2.1	1 U
Di-n-butyl phthalate	µg/L		1 U	1 U	1 U	1 U
Butyl benzyl phthalate	µg/L		1 U	1 U	1 U	1 U
Diethylphthalate	µg/L		1 U	1 U	1 U	1 U
Dimethyl phthalate	µg/L		1 U	1 U	1 U	1 U
Di-n-octyl phthalate	µg/L		1 U	1 U	1 U	1 U
Pentachlorophenol	µg/L		10 U	10 U	10 U	5 U
2,4-Dichlorophenol	µg/L		5 U	5 U	5 U	5 U
2,4,5-Trichlorophenol	µg/L		5 U	5 U	5 U	5 U
2,4,6-Trichlorophenol	µg/L		5 U	5 U	5 U	5 U
2-Chlorophenol	µg/L		5 U	5 U	5 U	5 U
2,4-Dimethylphenol	µg/L		5 U	5 U	5 U	5 U
2,4-Dinitrophenol	µg/L		10 U	10 U	10 U	10 U

	Event	Terra Vac's Northwest Corner Supplemental Investigation				
	Location	B-23	B-28	B-53	B-53	B-54
	SampleID	**B-23**	**B-28**	**B-53**	**B-53**	**B-54**
	Depth (bgs)	20.5 - 30.5 ft	9 - 14 ft	7 - 14 ft	7 - 14 ft	7 - 15 ft
	Sample Date	12/17/1998	02/05/1999	02/05/1999	04/08/1999	02/05/1999
Semivolatile Organic Compounds						
2,4-Dinitrotoluene	µg/L		1 U	1 U	1 U	1 U
2,6-Dinitrotoluene	µg/L		2 U	2 U	2 U	2 U
2-Chloronaphthalene	µg/L		1 U	1 U	1 U	1 U
2-Methylphenol	µg/L		5 U	5 U	5 U	5 U
2-Nitroaniline	µg/L		1 U	1 U	1 U	1 U
2-Nitrophenol	µg/L		10 U	10 U	10 U	10 U
3,3'-Dichlorobenzidine	µg/L		1 U	1 U	1 U	1 U
2-Methylnaphthalene	µg/L		1 U	1 U	1 U	1 U
3-Nitroaniline	µg/L		1 U	1 U	1 U	1 U
4,6-Dinitro-o-cresol	µg/L		10 U	10 U	10 U	10 U
4-Bromophenyl phenyl ether	µg/L		1 U	1 U	1 U	1 U
4-Chloro-3-methylphenol	µg/L		5 U	5 U	5 U	5 U
4-Chloroaniline	µg/L		1 U	1 U	1 U	1 U
4-Chlorophenyl phenyl ether	µg/L		1 U	1 U	1 U	1 U
4-Methylphenol	µg/L		1 U	1 U	1 U	1 U
4-Nitroaniline	µg/L		2 U	2 U	2 U	2 U
4-Nitrophenol	µg/L		10 U	10 U	10 U	10 U
Aniline	µg/L		1 U	1 U	1 U	1 U
Benzidine	µg/L		1 U	1 U	1 U	1 U
Benzoic acid	µg/L		15 U	15 U	15 U	15 U
Benzyl alcohol	µg/L		1 U	1 U	1 U	1 U
bis(2-chloroethoxy)methane	µg/L		1 U	1 U	1 U	1 U
bis(2-chloroethyl)ether	µg/L		1 U	1 U	1 U	1 U
bis(2-chloroisopropyl)ether	µg/L		1 U	1 U	1 U	1 U
Carbazole	µg/L		1 U	1 U	1 U	1 U
Dibenzofuran	µg/L		1 U	1 U	1 U	1 U
Hexachlorobenzene	µg/L		1 U	1 U	1 U	1 U
Hexachlorobutadiene	µg/L	1 U	1 U	5 U	10 U	20 U
Hexachlorocyclopentadiene	µg/L		1 U	1 U	1 U	1 U
Hexachloroethane	µg/L		1 U	1 U	1 U	1 U
Isophorone	µg/L		1 U	1 U	1 U	1 U
Nitrobenzene	µg/L		1 U	1 U	1 U	1 U
N-Nitroso-di-n-propylamine	µg/L		1 U	1 U	1 U	1 U
N-Nitrosodiphenylamine	µg/L		1 U	1 U	1 U	1 U
Phenol	µg/L		5 U	5 U	5 U	5 U

	Event	Terra Vac's Northwest Corner Supplemental Investigation				
	Location	B-54	B-55	B-55	B-56	B-56
	SampleID	**B-54**	**B-55**	**B-55**	**B-56**	**B-56**
	Depth (bgs)	7 - 15 ft	7 - 16 ft	7 - 16 ft	7 - 17 ft	7 - 17 ft
	Sample Date	04/08/1999	02/05/1999	04/08/1999	02/05/1999	04/08/1999
Volatile Organic Compounds						
Tetrachloroethene	µg/L	3400	780	1100	1700	1700
Trichloroethene	µg/L	93	32	35	30	49
cis-1,2-Dichloroethene	µg/L	20 U	22	22	23	26
trans-1,2-Dichloroethene	µg/L	20 U	5 U	5 U	10 U	10 U
1,1-Dichloroethene	µg/L	10 U	5 U	10 U	10 U	5 U
Vinyl chloride	µg/L	10 U	10 U	5 U	10 U	10 U
1,1,1,2-Tetrachloroethane	µg/L	10 U	5 U	10 U	10 U	5 U
1,1,1-Trichloroethane	µg/L	10 U	10 U	25 U	10 U	50 U
1,1,2,2-Tetrachloroethane	µg/L	10 U	10 U	10 U	50 U	50 U
1,1,2-Trichloroethane	µg/L	20 U	5 U	5 U	5 U	10 U
1,1-Dichloroethane	µg/L	10 U	10 U	5 U	20	10
Chloroethane	µg/L	20 U	5 U	5 U	10 U	10 U
1,1-Dichloropropene	µg/L	20 U	5 U	5 U	5 U	5 U
1,2,3-Trichlorobenzene	µg/L	10 U	10 U	10 U	10 U	50 U
1,2,3-Trichloropropane	µg/L	50 U	50 U	50 U	50 U	25 U
1,2,4-Trichlorobenzene	µg/L	100 U	25 U	25 U	1 U	1 U
1,2-Dibromo-3-chloropropane	µg/L	100 U	25 U	50 U	50 U	25 U
1,2-Dibromoethane	µg/L	10 U	5 U	5 U	5 U	5 U
1,2-Dichlorobenzene	µg/L	1 U	1 U	5 U	1 U	5 U
1,2-Dichloroethane	µg/L	10 U	5 U	10 U	10 U	5 U
1,2-Dichloropropane	µg/L	20 U	5 U	10 U	10 U	10 U
1,3-Dichlorobenzene	µg/L	1 U	1 U	1 U	1 U	10 U
1,3-Dichloropropane	µg/L	10 U	5 U	10 U	10 U	10 U
1,4-Dichlorobenzene	µg/L	20 U	1 U	10 U	10 U	10 U
2,2-Dichloropropane	µg/L	10 U	10 U	5 U	10 U	10 U
2-Chloroethyl vinyl ether	µg/L	400 U	100 U	100 U	200 U	200 U
2-Chlorotoluene	µg/L	10 U	10 U	5 U	10 U	10 U
4-Chlorotoluene	µg/L	20 U	5 U	10 U	5 U	10 U
Bromobenzene	µg/L	10 U	5 U	5 U	5 U	5 U
Bromodichloromethane	µg/L	10 U	25 U	10 U	10 U	10 U
Bromoform	µg/L	10 U	5 U	5 U	10 U	10 U
Bromomethane	µg/L	10 U	5 U	5 U	5 U	5 U
Carbon tetrachloride	µg/L	50 U	50 U	5 U	10 U	50 U
Chlorobenzene	µg/L	10 U	5 U	5 U	10 U	5 U
Chloroform	µg/L	10 U	5 U	10 U	10 U	10 U
Chloromethane	µg/L	10 U	5 U	5 U	5 U	5 U
cis-1,3-Dichloropropene	µg/L	10 U	10 U	10 U	10 U	5 U
Dibromochloromethane	µg/L	20 U	5 U	10 U	10 U	10 U
Dibromomethane	µg/L	20 U	10 U	10 U	10 U	10 U
Dichlorodifluoromethane	µg/L	10 U	5 U	5 U	10 U	10 U
Dichloromethane	µg/L	50 U	25 U	25 U	25 U	50 U
trans-1,3-Dichloropropene	µg/L	20 U	5 U	10 U	5 U	5 U
Trichlorofluoromethane	µg/L	10 U	5 U	10 U	10 U	5 U
BTEX						
Benzene	µg/L	10 U	10 U	10 U	10 U	10 U
Toluene	µg/L	10 U	10 U	10 U	10 U	10 U
Ethylbenzene	µg/L	20 U	10 U	10 U	10 U	10 U
Xylene (meta & para)	µg/L	10 U	20 U	20 U	20 U	20 U

	Event	Terra Vac's Northwest Corner Supplemental Investigation				
	Location	B-54	B-55	B-55	B-56	B-56
	SampleID	**B-54**	**B-55**	**B-55**	**B-56**	**B-56**
	Depth (bgs)	7 - 15 ft	7 - 16 ft	7 - 16 ft	7 - 17 ft	7 - 17 ft
	Sample Date	04/08/1999	02/05/1999	04/08/1999	02/05/1999	04/08/1999
BTEX						
Xylene (ortho)	µg/L	10 U	10 U	10 U	10 U	10 U
Xylene (total)	µg/L	10 U	20 U	20 U	20 U	20 U
Alkylated Benzenes						
1,3,5-Trimethylbenzene	µg/L	10 U	10 U	10 U	10 U	10 U
n-Propylbenzene	µg/L	10 U	10 U	10 U	10 U	10 U
1,2,4-Trimethylbenzene	µg/L	10 U	10 U	10 U	10 U	10 U
iso-Propylbenzene	µg/L	10 U	10 U	10 U	10 U	10 U
iso-Propyltoluene	µg/L	10 U	10 U	10 U	10 U	10 U
n-Butylbenzene	µg/L	10 U	10 U	10 U	10 U	10 U
sec-Butylbenzene	µg/L	10 U	10 U	10 U	10 U	10 U
Styrene	µg/L	10 U	10 U	10 U	10 U	10 U
tert-Butylbenzene	µg/L	10 U	10 U	10 U	10 U	10 U
Semivolatile Organic Compounds						
Benzo(a)anthracene	µg/L	1 U	1 U	1 U	1 U	1 U
Benzo(a)pyrene	µg/L	1 U	1 U	1 U	1 U	1 U
Benzo(g,h,i)perylene	µg/L	1 U	1 U	1 U	1 U	1 U
Benzo(b)fluoranthene	µg/L	1 U	1 U	1 U	1 U	1 U
Benzo(k)fluoranthene	µg/L	1 U	1 U	1 U	1 U	1 U
Chrysene	µg/L	1 U	1 U	1 U	1 U	1 U
Dibenzo(a,h)anthracene	µg/L	1 U	1 U	1 U	1 U	1 U
Fluoranthene	µg/L	1 U	1 U	1 U	1 U	1 U
Indeno(1,2,3-cd)pyrene	µg/L	1 U	1 U	1 U	1 U	1 U
Pyrene	µg/L	1 U	1 U	1 U	1 U	1 U
Acenaphthene	µg/L	1 U	1 U	1 U	1 U	1 U
Acenaphthylene	µg/L	1 U	1 U	1 U	1 U	1 U
Anthracene	µg/L	1 U	1 U	1 U	1 U	1 U
Fluorene	µg/L	1 U	1 U	1 U	1 U	1 U
Naphthalene	µg/L	1 U	1 U	50 U	1 U	1 U
Phenanthrene	µg/L	1 U	1 U	1 U	1 U	1 U
bis(2-ethylhexyl)phthalate	µg/L	1 U	1 U	1 U	1	1
Di-n-butyl phthalate	µg/L	1 U	1 U	1 U	1 U	1 U
Butyl benzyl phthalate	µg/L	1 U	1 U	1 U	1 U	1 U
Diethylphthalate	µg/L	1 U	1 U	1 U	1 U	1 U
Dimethyl phthalate	µg/L	1 U	1 U	1 U	1 U	1 U
Di-n-octyl phthalate	µg/L	1 U	1 U	1 U	1 U	1 U
Pentachlorophenol	µg/L	5 U	10 U	10 U	10 U	10 U
2,4-Dichlorophenol	µg/L	5 U	5 U	5 U	5 U	5 U
2,4,5-Trichlorophenol	µg/L	5 U	5 U	5 U	5 U	5 U
2,4,6-Trichlorophenol	µg/L	5 U	5 U	5 U	5 U	5 U
2-Chlorophenol	µg/L	5 U	5 U	5 U	5 U	5 U
2,4-Dimethylphenol	µg/L	5 U	5 U	5 U	5 U	5 U
2,4-Dinitrophenol	µg/L	10 U	10 U	10 U	10 U	10 U
2,4-Dinitrotoluene	µg/L	1 U	1 U	1 U	1 U	1 U
2,6-Dinitrotoluene	µg/L	2 U	2 U	2 U	2 U	2 U
2-Chloronaphthalene	µg/L	1 U	1 U	1 U	1 U	1 U
2-Methylphenol	µg/L	5 U	5 U	5 U	5 U	5 U
2-Nitroaniline	µg/L	1 U	1 U	1 U	1 U	1 U
2-Nitrophenol	µg/L	10 U	10 U	10 U	10 U	10 U

	Event	Terra Vac's Northwest Corner Supplemental Investigation				
	Location	B-54	B-55	B-55	B-56	B-56
	SampleID	**B-54**	**B-55**	**B-55**	**B-56**	**B-56**
	Depth (bgs)	7 - 15 ft	7 - 16 ft	7 - 16 ft	7 - 17 ft	7 - 17 ft
	Sample Date	04/08/1999	02/05/1999	04/08/1999	02/05/1999	04/08/1999
Semivolatile Organic Compounds						
3,3'-Dichlorobenzidine	µg/L	1 U	1 U	1 U	1 U	1 U
2-Methylnaphthalene	µg/L	1 U	1 U	1 U	1 U	1 U
3-Nitroaniline	µg/L	1 U	1 U	1 U	1 U	1 U
4,6-Dinitro-o-cresol	µg/L	10 U	10 U	10 U	10 U	10 U
4-Bromophenyl phenyl ether	µg/L	1 U	1 U	1 U	1 U	1 U
4-Chloro-3-methylphenol	µg/L	5 U	5 U	5 U	5 U	5 U
4-Chloroaniline	µg/L	1 U	1 U	1 U	1 U	1 U
4-Chlorophenyl phenyl ether	µg/L	1 U	1 U	1 U	1 U	1 U
4-Methylphenol	µg/L	1 U	1 U	1 U	1 U	1 U
4-Nitroaniline	µg/L	2 U	2 U	2 U	2 U	2 U
4-Nitrophenol	µg/L	10 U	10 U	10 U	10 U	10 U
Aniline	µg/L	1 U	1 U	1 U	1 U	1 U
Benzidine	µg/L	1 U	1 U	1 U	1 U	1 U
Benzoic acid	µg/L	15 U	15 U	15 U	15 U	15 U
Benzyl alcohol	µg/L	1 U	1 U	1 U	1 U	1 U
bis(2-chloroethoxy)methane	µg/L	1 U	1 U	1 U	1 U	1 U
bis(2-chloroethyl)ether	µg/L	1 U	1 U	1 U	1 U	1 U
bis(2-chloroisopropyl)ether	µg/L	1 U	1 U	1 U	1 U	1 U
Carbazole	µg/L	1 U	1 U	1 U	1 U	1 U
Dibenzofuran	µg/L	1 U	1 U	1 U	1 U	1 U
Hexachlorobenzene	µg/L	1 U	1 U	1 U	1 U	1 U
Hexachlorobutadiene	µg/L	20 U	10 U	1 U	1 U	1 U
Hexachlorocyclopentadiene	µg/L	1 U	1 U	1 U	1 U	1 U
Hexachloroethane	µg/L	1 U	1 U	1 U	1 U	1 U
Isophorone	µg/L	1 U	1 U	1 U	1 U	1 U
Nitrobenzene	µg/L	1 U	1 U	1 U	1 U	1 U
N-Nitroso-di-n-propylamine	µg/L	1 U	1 U	1 U	1 U	1 U
N-Nitrosodiphenylamine	µg/L	1 U	1 U	1 U	1 U	1 U
Phenol	µg/L	5 U	5 U	5 U	5 U	5 U

	Event	Terra Vac's Northwest Corner Supplemental Investigation				
	Location	B-57	B-57			
	SampleID	**B-57**	**B-57**			
	Depth (bgs)	7 - 18 ft	7 - 18 ft			
	Sample Date	02/05/1999	04/08/1999			
Volatile Organic Compounds						
Tetrachloroethene	µg/L	400	400			
Trichloroethene	µg/L	19	19			
cis-1,2-Dichloroethene	µg/L	20	12			
trans-1,2-Dichloroethene	µg/L	1 U	5 U			
1,1-Dichloroethene	µg/L	1 U	5 U			
Vinyl chloride	µg/L	5 U	5 U			
1,1,1,2-Tetrachloroethane	µg/L	5 U	1 U			
1,1,1-Trichloroethane	µg/L	8.4	8.4			
1,1,2,2-Tetrachloroethane	µg/L	1 U	1 U			
1,1,2-Trichloroethane	µg/L	5 U	1 U			
1,1-Dichloroethane	µg/L	5.8	5.8			
Chloroethane	µg/L	5 U	1 U			
1,1-Dichloropropene	µg/L	1 U	1 U			
1,2,3-Trichlorobenzene	µg/L	25 U	25 U			
1,2,3-Trichloropropane	µg/L	25 U	5 U			
1,2,4-Trichlorobenzene	µg/L	25 U	1 U			
1,2-Dibromo-3-chloropropane	µg/L	5 U	25 U			
1,2-Dibromoethane	µg/L	1 U	1 U			
1,2-Dichlorobenzene	µg/L	1 U	1 U			
1,2-Dichloroethane	µg/L	5 U	1 U			
1,2-Dichloropropane	µg/L	5 U	1 U			
1,3-Dichlorobenzene	µg/L	5 U	1 U			
1,3-Dichloropropane	µg/L	1 U	5 U			
1,4-Dichlorobenzene	µg/L	5 U	5 U			
2,2-Dichloropropane	µg/L	5 U	1 U			
2-Chloroethyl vinyl ether	µg/L	100 U	100 U			
2-Chlorotoluene	µg/L	5 U	5 U			
4-Chlorotoluene	µg/L	5 U	1 U			
Bromobenzene	µg/L	5 U	1 U			
Bromodichloromethane	µg/L	1 U	1 U			
Bromoform	µg/L	5 U	5 U			
Bromomethane	µg/L	5 U	1 U			
Carbon tetrachloride	µg/L	5 U	5 U			
Chlorobenzene	µg/L	1 U	1 U			
Chloroform	µg/L	5 U	5 U			
Chloromethane	µg/L	5 U	5 U			
cis-1,3-Dichloropropene	µg/L	5 U	1 U			
Dibromochloromethane	µg/L	5 U	1 U			
Dibromomethane	µg/L	5 U	1 U			
Dichlorodifluoromethane	µg/L	5 U	5 U			
Dichloromethane	µg/L	5 U	25 U			
trans-1,3-Dichloropropene	µg/L	5 U	1 U			
Trichlorofluoromethane	µg/L	5 U	5 U			
BTEX						
Benzene	µg/L	1 U	1 U			
Toluene	µg/L	1 U	1 U			
Ethylbenzene	µg/L	1 U	1 U			
Xylene (meta & para)	µg/L	2 U	2 U			

	Event	Terra Vac's Northwest Corner Supplemental Investigation				
	Location	B-57	B-57			
	SampleID	**B-57**	**B-57**			
	Depth (bgs)	7 - 18 ft	7 - 18 ft			
	Sample Date	02/05/1999	04/08/1999			
BTEX						
Xylene (ortho)	µg/L	1 U	1 U			
Xylene (total)	µg/L	2 U	2 U			
Alkylated Benzenes						
1,3,5-Trimethylbenzene	µg/L	1 U	1 U			
n-Propylbenzene	µg/L	1 U	1 U			
1,2,4-Trimethylbenzene	µg/L	1 U	1 U			
iso-Propylbenzene	µg/L	1 U	1 U			
iso-Propyltoluene	µg/L	1 U	1 U			
n-Butylbenzene	µg/L	1 U	1 U			
sec-Butylbenzene	µg/L	1 U	1 U			
Styrene	µg/L	1 U	1 U			
tert-Butylbenzene	µg/L	1 U	1 U			
Semivolatile Organic Compounds						
Benzo(a)anthracene	µg/L	1 U	1 U			
Benzo(a)pyrene	µg/L	1 U	1 U			
Benzo(g,h,i)perylene	µg/L	1 U	1 U			
Benzo(b)fluoranthene	µg/L	1 U	1 U			
Benzo(k)fluoranthene	µg/L	1 U	1 U			
Chrysene	µg/L	1 U	1 U			
Dibenzo(a,h)anthracene	µg/L	1 U	1 U			
Fluoranthene	µg/L	1 U	1 U			
Indeno(1,2,3-cd)pyrene	µg/L	1 U	1 U			
Pyrene	µg/L	1 U	1 U			
Acenaphthene	µg/L	1 U	1 U			
Acenaphthylene	µg/L	1 U	1 U			
Anthracene	µg/L	1 U	1 U			
Fluorene	µg/L	1 U	1 U			
Naphthalene	µg/L	1 U	5 U			
Phenanthrene	µg/L	1 U	1 U			
bis(2-ethylhexyl)phthalate	µg/L	1.6	1.6			
Di-n-butyl phthalate	µg/L	1 U	1 U			
Butyl benzyl phthalate	µg/L	1 U	1 U			
Diethylphthalate	µg/L	1 U	1 U			
Dimethyl phthalate	µg/L	1 U	1 U			
Di-n-octyl phthalate	µg/L	1 U	1 U			
Pentachlorophenol	µg/L	10 U	10 U			
2,4-Dichlorophenol	µg/L	5 U	5 U			
2,4,5-Trichlorophenol	µg/L	5 U	5 U			
2,4,6-Trichlorophenol	µg/L	5 U	5 U			
2-Chlorophenol	µg/L	5 U	5 U			
2,4-Dimethylphenol	µg/L	5 U	5 U			
2,4-Dinitrophenol	µg/L	10 U	10 U			
2,4-Dinitrotoluene	µg/L	1 U	1 U			
2,6-Dinitrotoluene	µg/L	2 U	2 U			
2-Chloronaphthalene	µg/L	1 U	1 U			
2-Methylphenol	µg/L	5 U	5 U			
2-Nitroaniline	µg/L	1 U	1 U			
2-Nitrophenol	µg/L	10 U	10 U			

	Event	Terra Vac's Northwest Corner Supplemental Investigation				
	Location	B-57	B-57			
	SampleID	**B-57**	**B-57**			
	Depth (bgs)	7 - 18 ft	7 - 18 ft			
	Sample Date	02/05/1999	04/08/1999			
Semivolatile Organic Compounds						
3,3'-Dichlorobenzidine	µg/L	1 U	1 U			
2-Methylnaphthalene	µg/L	1 U	1 U			
3-Nitroaniline	µg/L	1 U	1 U			
4,6-Dinitro-o-cresol	µg/L	10 U	10 U			
4-Bromophenyl phenyl ether	µg/L	1 U	1 U			
4-Chloro-3-methylphenol	µg/L	5 U	5 U			
4-Chloroaniline	µg/L	1 U	1 U			
4-Chlorophenyl phenyl ether	µg/L	1 U	1 U			
4-Methylphenol	µg/L	1 U	1 U			
4-Nitroaniline	µg/L	2 U	2 U			
4-Nitrophenol	µg/L	10 U	10 U			
Aniline	µg/L	1 U	1 U			
Benzidine	µg/L	1 U	1 U			
Benzoic acid	µg/L	15 U	15 U			
Benzyl alcohol	µg/L	1 U	1 U			
bis(2-chloroethoxy)methane	µg/L	1 U	1 U			
bis(2-chloroethyl)ether	µg/L	1 U	1 U			
bis(2-chloroisopropyl)ether	µg/L	1 U	1 U			
Carbazole	µg/L	1 U	1 U			
Dibenzofuran	µg/L	1 U	1 U			
Hexachlorobenzene	µg/L	1 U	1 U			
Hexachlorobutadiene	µg/L	1 U	1 U			
Hexachlorocyclopentadiene	µg/L	1 U	1 U			
Hexachloroethane	µg/L	1 U	1 U			
Isophorone	µg/L	1 U	1 U			
Nitrobenzene	µg/L	1 U	1 U			
N-Nitroso-di-n-propylamine	µg/L	1 U	1 U			
N-Nitrosodiphenylamine	µg/L	1 U	1 U			
Phenol	µg/L	5 U	5 U			

	Event	Terra Vac's Annual Monitoring (1998)				
	Location	B-08	B-09	B-10A	B-12	B-13
	SampleID	**B-8**	**B-9**	**B-10A**	**B-12**	**B-13**
	Depth (bgs)	39.5 - 44.5 ft	38.5 - 43.5 ft	9.5 - 14.5 ft	10.5 - 13 ft	7 - 12 ft
	Sample Date	10/20/1998	11/03/1998	11/03/1998	11/03/1998	11/05/1998
Volatile Organic Compounds						
Tetrachloroethene	µg/L	3100	4.6	100 U	47000	4000
Trichloroethene	µg/L	7300	12	260	10000	194
cis-1,2-Dichloroethene	µg/L	1500	45	6400	16000	100 U
trans-1,2-Dichloroethene	µg/L	5.8	1 U	100 U	420	100 U
1,1-Dichloroethene	µg/L	2.4 J	1 U	100 U	100 U	100 U
Vinyl chloride	µg/L	1.5	11	440	5500	100 U
1,1,1,2-Tetrachloroethane	µg/L	1 U	1 U	100 U	100 U	500 U
1,1,1-Trichloroethane	µg/L	1 U	1 U	100 U	890	100 U
1,1,2,2-Tetrachloroethane	µg/L	1 U	1 U	100 U	100 U	100 U
1,1,2-Trichloroethane	µg/L	1 U	1 U	100 U	100 U	100 U
1,1-Dichloroethane	µg/L	1 U	1 U	100 U	170	100 U
Chloroethane	µg/L	1 U	1 U	100 U	100 U	100 U
1,1-Dichloropropene	µg/L	1 U	1 U	100 U	100 U	100 U
1,2,3-Trichlorobenzene	µg/L	1 U	1 U	100 U	100 U	100 U
1,2,3-Trichloropropane	µg/L	5 U	5 U	500 U	500 U	500 U
1,2,4-Trichlorobenzene	µg/L	1 U	1 U	100 U	100 U	100 U
1,2-Dibromo-3-chloropropane	µg/L	5 U	5 U	500 U	500 U	500 U
1,2-Dibromoethane	µg/L	1 U	1 U	100 U	100 U	100 U
1,2-Dichlorobenzene	µg/L	2.5	1 U	100 U	360	100 U
1,2-Dichloroethane	µg/L	1 U	45	100 U	100 U	100 U
1,2-Dichloropropane	µg/L	1 U	1 U	100 U	100 U	100 U
1,3-Dichlorobenzene	µg/L	1 U	1 U	100 U	13	1 U
1,3-Dichloropropane	µg/L	1 U	1 U	100 U	100 U	100 U
1,4-Dichlorobenzene	µg/L	1 U	1 U	100 U	140	100 U
2,2-Dichloropropane	µg/L	1 U	1 U	100 U	100 U	100 U
2-Chlorotoluene	µg/L	1 U	1 U	100 U	100 U	100 U
4-Chlorotoluene	µg/L	1 U	1 U	100 U	100 U	100 U
Bromobenzene	µg/L	1 U	1 U	100 U	100 U	100 U
Bromodichloromethane	µg/L	1 U	1 U	100 U	100 U	100 U
Bromoform	µg/L	1 U	1 U	100 U	100 U	100 U
Bromomethane	µg/L	1 U	1 U	100 U	100 U	100 U
Carbon tetrachloride	µg/L	5 U	5 U	500 U	500 U	500 U
Chlorobenzene	µg/L	1 U	1 U	100 U	100 U	100 U
Chloroform	µg/L	1 U	1 U	100 U	100 U	100 U
Chloromethane	µg/L	1 U	1 U	100 U	100 U	100 U
cis-1,3-Dichloropropene	µg/L	1 U	1 U	100 U	100 U	100 U
Dibromochloromethane	µg/L	1 U	1 U	100 U	100 U	100 U
Dibromomethane	µg/L	1 U	1 U	100 U	100 U	100 U
Dichlorodifluoromethane	µg/L	1 U	1 U	100 U	100 U	100 U
Dichloromethane	µg/L	5 U	5 U	500 U	500 U	500 U
trans-1,3-Dichloropropene	µg/L	1 U	1 U	100 U	100 U	100 U
Trichlorofluoromethane	µg/L	1 U	1 U	100 U	100 U	100 U
BTEX						
Benzene	µg/L	3	1 U	100 U	120	100 U
Toluene	µg/L	1.3	1 U	100 U	3700	100 U
Ethylbenzene	µg/L	47	1 U	100 U	1100	100 U
Xylene (meta & para)	µg/L	2 U	2 U	200 U	1100	200 U
Xylene (ortho)	µg/L	1 U	1 U	100 U	700	100 U

	Event	Terra Vac's Annual Monitoring (1998)				
	Location	B-08	B-09	B-10A	B-12	B-13
	SampleID	**B-8**	**B-9**	**B-10A**	**B-12**	**B-13**
	Depth (bgs)	39.5 - 44.5 ft	38.5 - 43.5 ft	9.5 - 14.5 ft	10.5 - 13 ft	7 - 12 ft
	Sample Date	10/20/1998	11/03/1998	11/03/1998	11/03/1998	11/05/1998
BTEX						
Xylene (total)	µg/L	2 U	2 U	200 U	1800	200 U
Alkylated Benzenes						
1,3,5-Trimethylbenzene	µg/L	1 U	1 U	100 U	240	100 U
n-Propylbenzene	µg/L	9.8	1 U	100 U	100 U	100 U
1,2,4-Trimethylbenzene	µg/L	1.2	1 U	110	450	100 U
iso-Propylbenzene	µg/L	5.3	1 U	100 U	100 U	100 U
iso-Propyltoluene	µg/L	1 U	1 U	100 U	100 U	100 U
n-Butylbenzene	µg/L	1 U	1 U	100 U	100 U	100 U
sec-Butylbenzene	µg/L	4.7	1 U	100 U	100 U	100 U
Styrene	µg/L	1 U	1 U	100 U	100 U	100 U
tert-Butylbenzene	µg/L	1 U	1 U	100 U	100 U	100 U
Semivolatile Organic Compounds						
Benzo(a)anthracene	µg/L	1 U	1 U	1 U	1 U	1 U
Benzo(a)pyrene	µg/L	1 U	1 U	1 U	1 U	1 U
Benzo(g,h,i)perylene	µg/L	1 U	1 U	1 U	1 U	1 U
Benzo(b)fluoranthene	µg/L	1 U	1 U	1 U	1 U	1 U
Benzo(k)fluoranthene	µg/L	1 U	1 U	1 U	1 U	1 U
Chrysene	µg/L	1 U	1 U	1 U	1 U	1 U
Dibenzo(a,h)anthracene	µg/L	1 U	1 U	1 U	1 U	1 U
Fluoranthene	µg/L	1 U	1 U	1 U	1 U	1 U
Indeno(1,2,3-cd)pyrene	µg/L	1 U	1 U	1 U	1 U	1 U
Pyrene	µg/L	1 U	1 U	1 U	1 U	1 U
Acenaphthene	µg/L	1 U	1 U	1 U	1.7	1 U
Acenaphthylene	µg/L	1 U	1 U	1 U	1 U	1 U
Anthracene	µg/L	1 U	1 U	1 U	1 U	1 U
Fluorene	µg/L	1 U	1 U	1 U	1.3	1 U
Naphthalene	µg/L	5 U	1 U	500 U	16	500 U
Phenanthrene	µg/L	1 U	1 U	1 U	2.8	1 U
bis(2-ethylhexyl)phthalate	µg/L	1 U	1 U	1 U	1 U	1 U
Di-n-butyl phthalate	µg/L	1 U	1 U	1 U	43	1 U
Butyl benzyl phthalate	µg/L	1 U	1 U	1 U	1 U	1 U
Diethylphthalate	µg/L	1 U	1 U	1 U	1 U	1 U
Dimethyl phthalate	µg/L	1 U	1 U	1 U	1 U	1 U
Di-n-octyl phthalate	µg/L	1 U	1 U	1 U	1 U	1 U
Pentachlorophenol	µg/L	10 U	15 U	15 U	450 J	10 U
2,4-Dichlorophenol	µg/L	5 U	5 U	5 U	5 U	5 U
2,4,5-Trichlorophenol	µg/L	5 U	5 U	5 U	5 U	5 U
2,4,6-Trichlorophenol	µg/L	5 U	5 U	5 U	5 U	5 U
2-Chlorophenol	µg/L	5 U	5 U	5 U	5 U	5 U
2,4-Dimethylphenol	µg/L	5 U	5 U	5 U	5 U	5 U
2,4-Dinitrophenol	µg/L	10 U	15 U	15 U	15 U	10 U
2,4-Dinitrotoluene	µg/L	1 U	1 U	1 U	1 U	1 U
2,6-Dinitrotoluene	µg/L	2 U	2 U	2 U	2 U	2 U
2-Chloronaphthalene	µg/L	1 U	1 U	1 U	1 U	1 U
2-Methylphenol	µg/L	5 U	5 U	5 U	7.5	5 U
2-Nitroaniline	µg/L	1 U	1 U	1 U	1 U	1 U
2-Nitrophenol	µg/L	10 U	10 U	10 U	10 U	10 U
3,3'-Dichlorobenzidine	µg/L	1 U	1 U	1 U	1 U	1 U

	Event	Terra Vac's Annual Monitoring (1998)				
	Location	B-08	B-09	B-10A	B-12	B-13
	SampleID	**B-8**	**B-9**	**B-10A**	**B-12**	**B-13**
	Depth (bgs)	39.5 - 44.5 ft	38.5 - 43.5 ft	9.5 - 14.5 ft	10.5 - 13 ft	7 - 12 ft
	Sample Date	10/20/1998	11/03/1998	11/03/1998	11/03/1998	11/05/1998
Semivolatile Organic Compounds						
2-Methylnaphthalene	µg/L	1 U	1 U	10	3.9	1 U
3-Nitroaniline	µg/L	1 U	1 U	1 U	1 U	1 U
4,6-Dinitro-o-cresol	µg/L	10 U	10 U	10 U	10 U	10 U
4-Bromophenyl phenyl ether	µg/L	1 U	1 U	1 U	1 U	1 U
4-Chloro-3-methylphenol	µg/L	5 U	5 U	5 U	5 U	5 U
4-Chloroaniline	µg/L	1 U	1 U	1 U	1 U	1 U
4-Chlorophenyl phenyl ether	µg/L	1 U	1 U	1 U	1 U	1 U
4-Methylphenol	µg/L	1 U	1 U	1 U	16	1 U
4-Nitroaniline	µg/L	2 U	2 U	2 U	2 U	2 U
4-Nitrophenol	µg/L	10 U	15 U	15 U	15 U	10 U
Aniline	µg/L	1 U	1 U	1 U	1 U	1 U
Benzidine	µg/L	1 U	1 U	1 U	1 U	1 U
Benzoic acid	µg/L	15 U	15 U	15 U	15 U	15 U
Benzyl alcohol	µg/L	1 U	1 U	1 U	1 U	1 U
bis(2-chloroethoxy)methane	µg/L	1 U	1 U	1 U	1 U	1 U
bis(2-chloroethyl)ether	µg/L	1 U	1 U	1 U	1 U	1 U
bis(2-chloroisopropyl)ether	µg/L	1 U	1 U	1 U	1 U	1 U
Carbazole	µg/L	1 U	1 U	1 U	1 U	1 U
Dibenzofuran	µg/L	1 U	1 U	1 U	1 U	1 U
Hexachlorobenzene	µg/L	1 U	1 U	1 U	1 U	1 U
Hexachlorobutadiene	µg/L	1 U	1 U	1 U	1 U	100 U
Hexachlorocyclopentadiene	µg/L	1 U	1 U	1 U	1 U	1 U
Hexachloroethane	µg/L	1 U	1 U	1 U	1 U	1 U
Isophorone	µg/L	1 U	1 U	1 U	1 U	1 U
Nitrobenzene	µg/L	1 U	1 U	1 U	1 U	1 U
N-Nitroso-di-n-propylamine	µg/L	1 U	1 U	1 U	1 U	1 U
N-Nitrosodiphenylamine	µg/L	1 U	1 U	1 U	1 U	1 U
Phenol	µg/L	5 U	5 U	5 U	5 U	5 U
Conventionals						
Total Organic Carbon	mg/L	7.7				
Dissolved Gases						
Ethane	mg/L	0.00071				
Ethene	mg/L	0.0005 U				
Methane	mg/L	0.074				

	Event	Terra Vac's Annual Monitoring (1998)				
	Location	B-18	B-19	B-20	B-21	B-24
	SampleID	**B-18**	**B-19**	**B-20**	**B-21**	**B-24**
	Depth (bgs)	6 - 16 ft	37.5 - 47.5 ft	6 - 16 ft	38 - 43 ft	6 - 16 ft
	Sample Date	11/06/1998	10/22/1998	10/21/1998	10/21/1998	10/20/1998
Volatile Organic Compounds						
Tetrachloroethene	µg/L	2.8	350	360	100 U	1 U
Trichloroethene	µg/L	41	160	340	100 U	1 U
cis-1,2-Dichloroethene	µg/L	360	37	23000	23000	1 U
trans-1,2-Dichloroethene	µg/L	12	1 U	470	530	1 U
1,1-Dichloroethene	µg/L	6	1 U	100 U	100 U	1 U
Vinyl chloride	µg/L	430	5	18000	11000	1 U
1,1,1,2-Tetrachloroethane	µg/L	1 U	1 U	100 U	100 U	1 U
1,1,1-Trichloroethane	µg/L	1 U	1 U	470	100 U	1 U
1,1,2,2-Tetrachloroethane	µg/L	1 U	1 U	100 U	100 U	1 U
1,1,2-Trichloroethane	µg/L	1 U	1 U	100 U	100 U	1 U
1,1-Dichloroethane	µg/L	4.6	1 U	470	490	1 U
Chloroethane	µg/L	1 U	1 U	100 U	100 U	1 U
1,1-Dichloropropene	µg/L	1 U	1 U	100 U	100 U	1 U
1,2,3-Trichlorobenzene	µg/L	1 U	1 U	100 U	100 U	1 U
1,2,3-Trichloropropane	µg/L	5 U	5 U	500 U	500 U	5 U
1,2,4-Trichlorobenzene	µg/L	1 U	1 U	100 U	100 U	1 U
1,2-Dibromo-3-chloropropane	µg/L	5 U	5 U	500 U	500 U	5 U
1,2-Dibromoethane	µg/L	1 U	1 U	100 U	100 U	1 U
1,2-Dichlorobenzene	µg/L	1 U	1 U	12	100 U	1 U
1,2-Dichloroethane	µg/L	1.4	1 U	100 U	100 U	1 U
1,2-Dichloropropane	µg/L	1 U	1 U	100 U	100 U	1 U
1,3-Dichlorobenzene	µg/L	1 U	1 U	1 U	1 UJ	1 U
1,3-Dichloropropane	µg/L	1 U	1 U	100 U	100 U	1 U
1,4-Dichlorobenzene	µg/L	1 U	1 U	100 U	1 UJ	1 U
2,2-Dichloropropane	µg/L	1 U	1 U	100 U	100 U	1 U
2-Chlorotoluene	µg/L	1 U	1 U	100 U	100 U	1 U
4-Chlorotoluene	µg/L	1 U	1 U	100 U	100 U	1 U
Bromobenzene	µg/L	1 U	1 U	100 U	100 U	1 U
Bromodichloromethane	µg/L	1 U	1 U	100 U	100 U	1 U
Bromoform	µg/L	1 U	1 U	100 U	100 U	1 U
Bromomethane	µg/L	1 U	1 U	100 U	100 U	1 U
Carbon tetrachloride	µg/L	5 U	5 U	5000 U	500 U	5 U
Chlorobenzene	µg/L	1 U	1 U	100 U	100 U	1 U
Chloroform	µg/L	1 U	1 U	100 U	100 U	1 U
Chloromethane	µg/L	1 U	1 U	100 U	100 U	1 U
cis-1,3-Dichloropropene	µg/L	1 U	1 U	100 U	100 U	1 U
Dibromochloromethane	µg/L	1 U	1 U	100 U	100 U	1 U
Dibromomethane	µg/L	1 U	1 U	100 U	100 U	1 U
Dichlorodifluoromethane	µg/L	1 U	1 U	100 U	100 U	1 U
Dichloromethane	µg/L	5 U	5 U	500 U	500 U	5 U
trans-1,3-Dichloropropene	µg/L	1 U	1 U	100 U	100 U	1 U
Trichlorofluoromethane	µg/L	1 U	1 U	100 U	100 U	1 U
BTEX						
Benzene	µg/L	1.2	1 U	300	130	1 U
Toluene	µg/L	5.3	1.9	7200	3900	1 U
Ethylbenzene	µg/L	1 U	1 U	740	1400	1 U
Xylene (meta & para)	µg/L	2 U	2 U	1100	870	2 U
Xylene (ortho)	µg/L	2.5	1 U	490	260	1 U

	Event	Terra Vac's Annual Monitoring (1998)				
	Location	B-18	B-19	B-20	B-21	B-24
	SampleID	**B-18**	**B-19**	**B-20**	**B-21**	**B-24**
	Depth (bgs)	6 - 16 ft	37.5 - 47.5 ft	6 - 16 ft	38 - 43 ft	6 - 16 ft
	Sample Date	11/06/1998	10/22/1998	10/21/1998	10/21/1998	10/20/1998
BTEX						
Xylene (total)	µg/L	2.5	2 U	1590	1130	2 U
Alkylated Benzenes						
1,3,5-Trimethylbenzene	µg/L	1 U	1 U	100 U	140	1 U
n-Propylbenzene	µg/L	1 U	1 U	100 U	100 U	1 U
1,2,4-Trimethylbenzene	µg/L	1 U	1 U	100 U	540	1 U
iso-Propylbenzene	µg/L	1 U	1 U	100 U	100 U	1 U
iso-Propyltoluene	µg/L	1 U	1 U	100 U	100 U	1 U
n-Butylbenzene	µg/L	1 U	1 U	100 U	100 U	1 U
sec-Butylbenzene	µg/L	1 U	1 U	100 U	100 U	1 U
Styrene	µg/L	1 U	1 U	100 U	100 U	1 U
tert-Butylbenzene	µg/L	1 U	1 U	100 U	100 U	1 U
Semivolatile Organic Compounds						
Benzo(a)anthracene	µg/L	1 U	1 U	1 U	1 UJ	1 U
Benzo(a)pyrene	µg/L	1 U	1 U	1 U	1 UJ	1 U
Benzo(g,h,i)perylene	µg/L	1 U	1 U	1 U	1 UJ	1 U
Benzo(b)fluoranthene	µg/L	1 U	1 U	1 U	1 UJ	1 U
Benzo(k)fluoranthene	µg/L	1 U	1 U	1 U	1 UJ	1 U
Chrysene	µg/L	1 U	1 U	1 U	1 UJ	1 U
Dibenzo(a,h)anthracene	µg/L	1 U	1 U	1 U	1 UJ	1 U
Fluoranthene	µg/L	1 U	1 U	1 U	1 UJ	1 U
Indeno(1,2,3-cd)pyrene	µg/L	1 U	1 U	1 U	1 UJ	1 U
Pyrene	µg/L	1 U	1 U	1 U	1 UJ	1 U
Acenaphthene	µg/L	1 U	1 U	1 U	1 UJ	1 U
Acenaphthylene	µg/L	1 U	1 U	1 U	1 UJ	1 U
Anthracene	µg/L	1 U	1 U	1 U	1 UJ	1 U
Fluorene	µg/L	1 U	1 U	1 U	1 UJ	1 U
Naphthalene	µg/L	1 U	5 U	500 U	6.7 J	5 U
Phenanthrene	µg/L	1 U	1 U	1 U	1 UJ	1 U
bis(2-ethylhexyl)phthalate	µg/L	1 U	1 U	1 U	1 UJ	1 U
Di-n-butyl phthalate	µg/L	1 U	1 U	1 U	1 UJ	1 U
Butyl benzyl phthalate	µg/L	1 U	1 U	1 U	1 UJ	1 U
Diethylphthalate	µg/L	1 U	1 U	1.3	1 UJ	1 U
Dimethyl phthalate	µg/L	1 U	1 U	1 U	1 UJ	1 U
Di-n-octyl phthalate	µg/L	1 U	1 U	1 U	1 UJ	1 U
Pentachlorophenol	µg/L	10 U	10 U	140	10 U	10 U
2,4-Dichlorophenol	µg/L	5 U	5 U	5 U	5 U	5 U
2,4,5-Trichlorophenol	µg/L	5 U	5 U	5.1	5 U	5 U
2,4,6-Trichlorophenol	µg/L	5 U	5 U	5 U	5 U	5 U
2-Chlorophenol	µg/L	5 U	5 U	5 U	5 U	5 U
2,4-Dimethylphenol	µg/L	5 U	5 U	22	5 U	5 U
2,4-Dinitrophenol	µg/L	10 U	10 U	10 U	10 U	10 U
2,4-Dinitrotoluene	µg/L	1 U	1 U	1 U	1 UJ	1 U
2,6-Dinitrotoluene	µg/L	2 U	2 U	2 U	2 UJ	2 U
2-Chloronaphthalene	µg/L	1 U	1 U	1 U	1 UJ	1 U
2-Methylphenol	µg/L	5 U	5 U	27	5 U	5 U
2-Nitroaniline	µg/L	1 U	1 U	1 U	1 UJ	1 U
2-Nitrophenol	µg/L	10 U	10 U	10 U	10 U	10 U
3,3'-Dichlorobenzidine	µg/L	1 U	1 U	1 U	1 UJ	1 U

	Event	Terra Vac's Annual Monitoring (1998)				
	Location	B-18	B-19	B-20	B-21	B-24
	SampleID	**B-18**	**B-19**	**B-20**	**B-21**	**B-24**
	Depth (bgs)	6 - 16 ft	37.5 - 47.5 ft	6 - 16 ft	38 - 43 ft	6 - 16 ft
	Sample Date	11/06/1998	10/22/1998	10/21/1998	10/21/1998	10/20/1998
Semivolatile Organic Compounds						
2-Methylnaphthalene	µg/L	1 U	1 U	1 U	1 UJ	1 U
3-Nitroaniline	µg/L	1 U	1 U	1 U	1 UJ	1 U
4,6-Dinitro-o-cresol	µg/L	10 U	10 U	10 U	10 U	10 U
4-Bromophenyl phenyl ether	µg/L	1 U	1 U	1 U	1 UJ	1 U
4-Chloro-3-methylphenol	µg/L	5 U	5 U	5 U	5 U	5 U
4-Chloroaniline	µg/L	1 U	1 U	1 U	1 UJ	1 U
4-Chlorophenyl phenyl ether	µg/L	1 U	1 U	1 U	1 UJ	1 U
4-Methylphenol	µg/L	1 U	1 U	76	1 U	1 U
4-Nitroaniline	µg/L	2 U	2 U	2 U	2 UJ	2 U
4-Nitrophenol	µg/L	10 U	10 U	10 U	10 U	10 U
Aniline	µg/L	1 U	1 U	1 U	1 UJ	1 U
Benzidine	µg/L	1 U	1 U	1 U	1 UJ	1 U
Benzoic acid	µg/L	15 U	15 U	15 U	15 U	15 U
Benzyl alcohol	µg/L	1 U	1 U	1 U	1 U	1 U
bis(2-chloroethoxy)methane	µg/L	1 U	1 U	1 U	1 UJ	1 U
bis(2-chloroethyl)ether	µg/L	1 U	1 U	1 U	1 UJ	1 U
bis(2-chloroisopropyl)ether	µg/L	1 U	1 U	1 U	1 UJ	1 U
Carbazole	µg/L	1 U	1 U	1 U	1 UJ	1 U
Dibenzofuran	µg/L	1 U	1 U	1 U	1 UJ	1 U
Hexachlorobenzene	µg/L	1 U	1 U	1 U	1 UJ	1 U
Hexachlorobutadiene	µg/L	1 U	1 U	1 U	1 UJ	1 U
Hexachlorocyclopentadiene	µg/L	1 U	1 U	1 U	1 UJ	1 U
Hexachloroethane	µg/L	1 U	1 U	1 U	1 UJ	1 U
Isophorone	µg/L	1 U	1 U	1 U	1 UJ	1 U
Nitrobenzene	µg/L	1 U	1 U	1 U	1 UJ	1 U
N-Nitroso-di-n-propylamine	µg/L	1 U	1 U	1 U	1 UJ	1 U
N-Nitrosodiphenylamine	µg/L	1 U	1 U	1 U	1 UJ	1 U
Phenol	µg/L	5 U	5 U	5 U	5 U	5 U
Conventionals						
Total Organic Carbon	mg/L		3.3	21	9.7	6.8
Dissolved Gases						
Ethane	mg/L		0.0005 U	0.001	0.0035	0.0005 U
Ethene	mg/L		0.0005 U	1.7	0.75	0.0005 U
Methane	mg/L		0.67	1.3	0.4	0.42

	Event	Terra Vac's Annual Monitoring (1998)				
	Location	B-25	B-26	B-27	B-33A	B-34
	SampleID	**B-25**	**B-26**	**B-27**	**B-33A**	**B-34**
	Depth (bgs)	27 - 37 ft	8.5 - 13.25 ft	42.5 - 47.5 ft	28 - 38 ft	7.5 - 12.5 ft
	Sample Date	10/20/1998	11/05/1998	11/05/1998	10/22/1998	10/22/1998
Volatile Organic Compounds						
Tetrachloroethene	µg/L	1 U	6.1	1 U	100 U	13
Trichloroethene	µg/L	1 U	15	1 U	100 U	6.8
cis-1,2-Dichloroethene	µg/L	1 U	57	1 U	26000	61
trans-1,2-Dichloroethene	µg/L	1 U	1	1 U	300	1 U
1,1-Dichloroethene	µg/L	1 U	1 U	1 U	170 J	1 U
Vinyl chloride	µg/L	1 U	1 U	3	7300	3.7
1,1,1,2-Tetrachloroethane	µg/L	1 U	1 U	1 U	100 U	1 U
1,1,1-Trichloroethane	µg/L	1 U	1 U	1 U	100 U	1 U
1,1,2,2-Tetrachloroethane	µg/L	1 U	1 U	1 U	100 U	1 U
1,1,2-Trichloroethane	µg/L	1 U	1 U	1 U	100 U	1 U
1,1-Dichloroethane	µg/L	1 U	1 U	1 U	100 U	1 U
Chloroethane	µg/L	1 U	1 U	1 U	100 U	1 U
1,1-Dichloropropene	µg/L	1 U	1 U	1 U	100 U	1 U
1,2,3-Trichlorobenzene	µg/L	1 U	1 U	1 U	100 U	1 U
1,2,3-Trichloropropane	µg/L	5 U	5 U	5 U	500 U	5 U
1,2,4-Trichlorobenzene	µg/L	1 U	1 U	1 U	1 U	1 U
1,2-Dibromo-3-chloropropane	µg/L	5 U	5 U	5 U	500 U	5 U
1,2-Dibromoethane	µg/L	1 U	1 U	1 U	100 U	1 U
1,2-Dichlorobenzene	µg/L	1 U	1 U	1 U	100 U	1 U
1,2-Dichloroethane	µg/L	1 U	1 U	1 U	100 U	1 U
1,2-Dichloropropane	µg/L	1 U	1 U	1 U	100 U	1 U
1,3-Dichlorobenzene	µg/L	1 U	1 U	1 U	100 U	1 U
1,3-Dichloropropane	µg/L	1 U	1 U	1 U	100 U	1 U
1,4-Dichlorobenzene	µg/L	1 U	1 U	1 U	100 U	1 U
2,2-Dichloropropane	µg/L	1 U	1 U	1 U	100 U	1 U
2-Chlorotoluene	µg/L	1 U	1 U	1 U	100 U	1 U
4-Chlorotoluene	µg/L	1 U	1 U	1 U	100 U	1 U
Bromobenzene	µg/L	1 U	1 U	1 U	100 U	1 U
Bromodichloromethane	µg/L	1 U	1 U	1 U	100 U	1 U
Bromoform	µg/L	1 U	1 U	1 U	100 U	1 U
Bromomethane	µg/L	1 U	1 U	1 U	100 U	1 U
Carbon tetrachloride	µg/L	5 U	5 U	5 U	500 U	5 U
Chlorobenzene	µg/L	1 U	1 U	1 U	100 U	1 U
Chloroform	µg/L	1 U	1 U	1 U	100 U	1 U
Chloromethane	µg/L	1 U	1 U	1 U	100 U	1 U
cis-1,3-Dichloropropene	µg/L	1 U	1 U	1 U	100 U	1 U
Dibromochloromethane	µg/L	1 U	1 U	1 U	100 U	1 U
Dibromomethane	µg/L	1 U	1 U	1 U	100 U	1 U
Dichlorodifluoromethane	µg/L	1 U	1 U	1 U	100 U	1 U
Dichloromethane	µg/L	5 U	5 U	5 U	500 U	5 U
trans-1,3-Dichloropropene	µg/L	1 U	1 U	1 U	100 U	1 U
Trichlorofluoromethane	µg/L	1 U	1 U	1 U	100 U	1 U
BTEX						
Benzene	µg/L	1 U	1 U	1 U	100 U	1 U
Toluene	µg/L	1 U	1 U	1 U	100 U	3.5
Ethylbenzene	µg/L	1 U	1 U	1 U	100 U	1 U
Xylene (meta & para)	µg/L	2 U	2 U	2 U	200 U	2 U
Xylene (ortho)	µg/L	1 U	1 U	1 U	100 U	1 U

	Event	Terra Vac's Annual Monitoring (1998)				
	Location	B-25	B-26	B-27	B-33A	B-34
	SampleID	**B-25**	**B-26**	**B-27**	**B-33A**	**B-34**
	Depth (bgs)	27 - 37 ft	8.5 - 13.25 ft	42.5 - 47.5 ft	28 - 38 ft	7.5 - 12.5 ft
	Sample Date	10/20/1998	11/05/1998	11/05/1998	10/22/1998	10/22/1998
BTEX						
Xylene (total)	µg/L	2 U	2 U	2 U	200 U	2 U
Alkylated Benzenes						
1,3,5-Trimethylbenzene	µg/L	1 U	1 U	1 U	100 U	1 U
n-Propylbenzene	µg/L	1 U	1 U	1 U	100 U	1 U
1,2,4-Trimethylbenzene	µg/L	1 U	1 U	1 U	100 U	1 U
iso-Propylbenzene	µg/L	1 U	1 U	1 U	100 U	1 U
iso-Propyltoluene	µg/L	1 U	1 U	1 U	100 U	1 U
n-Butylbenzene	µg/L	1 U	1 U	1 U	100 U	1 U
sec-Butylbenzene	µg/L	1 U	1 U	1 U	100 U	1 U
Styrene	µg/L	1 U	1 U	1 U	100 U	1 U
tert-Butylbenzene	µg/L	1 U	1 U	1 U	100 U	1 U
Semivolatile Organic Compounds						
Benzo(a)anthracene	µg/L	1 U	1 U	1 U	1 U	1 U
Benzo(a)pyrene	µg/L	1 U	1 U	1 U	1 U	1 U
Benzo(g,h,i)perylene	µg/L	1 U	1 U	1 U	1 U	1 U
Benzo(b)fluoranthene	µg/L	1 U	1 U	1 U	1 U	1 U
Benzo(k)fluoranthene	µg/L	1 U	1 U	1 U	1 U	1 U
Chrysene	µg/L	1 U	1 U	1 U	1 U	1 U
Dibenzo(a,h)anthracene	µg/L	1 U	1 U	1 U	1 U	1 U
Fluoranthene	µg/L	1 U	1 U	1 U	1 U	1 U
Indeno(1,2,3-cd)pyrene	µg/L	1 U	1 U	1 U	1 U	1 U
Pyrene	µg/L	1 U	1 U	1 U	1 U	1 U
Acenaphthene	µg/L	1 U	1 U	1 U	1 U	1 U
Acenaphthylene	µg/L	1 U	1 U	1 U	1 U	1 U
Anthracene	µg/L	1 U	1 U	1 U	1 U	1 U
Fluorene	µg/L	1 U	1 U	1 U	1 U	1 U
Naphthalene	µg/L	1 U	5 U	5 U	1 U	5 U
Phenanthrene	µg/L	1 U	1 U	1 U	1 U	1 U
bis(2-ethylhexyl)phthalate	µg/L	1 U	1 U	1 U	1 U	1 U
Di-n-butyl phthalate	µg/L	1 U	1 U	1 U	1 U	1 U
Butyl benzyl phthalate	µg/L	1 U	1 U	1 U	1 U	1 U
Diethylphthalate	µg/L	1 U	1 U	1 U	1 U	1 U
Dimethyl phthalate	µg/L	1 U	1 U	1 U	1 U	1 U
Di-n-octyl phthalate	µg/L	1 U	1 U	1 U	1 U	1 U
Pentachlorophenol	µg/L	10 U	10 U	10 U	10 U	10 U
2,4-Dichlorophenol	µg/L	5 U	5 U	5 U	5 U	5 U
2,4,5-Trichlorophenol	µg/L	5 U	5 U	5 U	5 U	5 U
2,4,6-Trichlorophenol	µg/L	5 U	5 U	5 U	5 U	5 U
2-Chlorophenol	µg/L	5 U	5 U	5 U	5 U	5 U
2,4-Dimethylphenol	µg/L	5 U	5 U	5 U	5 U	5 U
2,4-Dinitrophenol	µg/L	10 U	10 U	10 U	10 U	10 U
2,4-Dinitrotoluene	µg/L	1 U	1 U	1 U	1 U	1 U
2,6-Dinitrotoluene	µg/L	2 U	2 U	2 U	2 U	2 U
2-Chloronaphthalene	µg/L	1 U	1 U	1 U	1 U	1 U
2-Methylphenol	µg/L	5 U	5 U	5 U	5 U	5 U
2-Nitroaniline	µg/L	1 U	1 U	1 U	1 U	1 U
2-Nitrophenol	µg/L	10 U	10 U	10 U	10 U	10 U
3,3'-Dichlorobenzidine	µg/L	1 U	1 U	1 U	1 U	1 U

	Event	Terra Vac's Annual Monitoring (1998)				
	Location	B-25	B-26	B-27	B-33A	B-34
	SampleID	**B-25**	**B-26**	**B-27**	**B-33A**	**B-34**
	Depth (bgs)	27 - 37 ft	8.5 - 13.25 ft	42.5 - 47.5 ft	28 - 38 ft	7.5 - 12.5 ft
	Sample Date	10/20/1998	11/05/1998	11/05/1998	10/22/1998	10/22/1998
Semivolatile Organic Compounds						
2-Methylnaphthalene	µg/L	1 U	1 U	1 U	1 U	1 U
3-Nitroaniline	µg/L	1 U	1 U	1 U	1 U	1 U
4,6-Dinitro-o-cresol	µg/L	10 U	10 U	10 U	10 U	10 U
4-Bromophenyl phenyl ether	µg/L	1 U	1 U	1 U	1 U	1 U
4-Chloro-3-methylphenol	µg/L	5 U	5 U	5 U	5 U	5 U
4-Chloroaniline	µg/L	1 U	1 U	1 U	1 U	1 U
4-Chlorophenyl phenyl ether	µg/L	1 U	1 U	1 U	1 U	1 U
4-Methylphenol	µg/L	1 U	1 U	1 U	1 U	1 U
4-Nitroaniline	µg/L	2 U	2 U	2 U	2 U	2 U
4-Nitrophenol	µg/L	10 U	10 U	10 U	10 U	10 U
Aniline	µg/L	1 U	1 U	1 U	1 U	1 U
Benzidine	µg/L	1 U	1 U	1 U	1 U	1 U
Benzoic acid	µg/L	15 U	15 U	15 U	15 U	15 U
Benzyl alcohol	µg/L	1 U	1 U	1 U	1 U	1 U
bis(2-chloroethoxy)methane	µg/L	1 U	1 U	1 U	1 U	1 U
bis(2-chloroethyl)ether	µg/L	1 U	1 U	1 U	1 U	1 U
bis(2-chloroisopropyl)ether	µg/L	1 U	1 U	1 U	1 U	1 U
Carbazole	µg/L	1 U	1 U	1 U	1 U	1 U
Dibenzofuran	µg/L	1 U	1 U	1 U	1 U	1 U
Hexachlorobenzene	µg/L	1 U	1 U	1 U	1 U	1 U
Hexachlorobutadiene	µg/L	1 U	1 U	1 U	1 U	1 U
Hexachlorocyclopentadiene	µg/L	1 U	1 U	1 U	1 U	1 U
Hexachloroethane	µg/L	1 U	1 U	1 U	1 U	1 U
Isophorone	µg/L	1 U	1 U	1 U	1 U	1 U
Nitrobenzene	µg/L	1 U	1 U	1 U	1 U	1 U
N-Nitroso-di-n-propylamine	µg/L	1 U	1 U	1 U	1 U	1 U
N-Nitrosodiphenylamine	µg/L	1 U	1 U	1 U	1 U	1 U
Phenol	µg/L	5 U	5 U	5 U	5 U	5 U
Conventionals						
Total Organic Carbon	mg/L	13			7.4	5 U
Dissolved Gases						
Ethane	mg/L	0.0005 U			0.098	0.0005 U
Ethene	mg/L	0.0005 U			0.48	0.0005 U
Methane	mg/L	5			4	0.0024

	Event	Terra Vac's Annual Monitoring (1998)				
	Location	B-35	B-36	B-36	B-39	B-42
	SampleID	**B-35**	**B-36**	**B-100 (B-36 DUP)**	**B-39**	**B-42**
	Depth (bgs)	19.5 - 29.5 ft	6 - 11 ft	6 - 11 ft	5.5 - 11.82 ft	5.75 - 11.75 ft
	Sample Date	10/21/1998	10/21/1998	10/21/1998	11/05/1998	11/03/1998
Volatile Organic Compounds						
Tetrachloroethene	µg/L	42 U	35	30	40000	36000
Trichloroethene	µg/L	19	18	16	10000	13000
cis-1,2-Dichloroethene	µg/L	33	49	48	12000	14000
trans-1,2-Dichloroethene	µg/L	10 U	1 U	1 U	1000 U	130
1,1-Dichloroethene	µg/L	10 U	1 U	1 U	1000 U	100 U
Vinyl chloride	µg/L	3300	37	37	1400	690
1,1,1,2-Tetrachloroethane	µg/L	10 U	1 U	1 U	1000 U	100 U
1,1,1-Trichloroethane	µg/L	10 U	1 U	1 U	1000 U	880
1,1,2,2-Tetrachloroethane	µg/L	10 U	1 U	1 U	1000 U	100 U
1,1,2-Trichloroethane	µg/L	10 U	1 U	1 U	1000 U	100 U
1,1-Dichloroethane	µg/L	210	2.5	2.3	1000 U	100 U
Chloroethane	µg/L	10 U	1 U	1 U	1000 U	100 U
1,1-Dichloropropene	µg/L	10 U	1 U	1 U	1000 U	100 U
1,2,3-Trichlorobenzene	µg/L	10 U	1 U	1 U	1000 U	100 U
1,2,3-Trichloropropane	µg/L	50 U	5 U	5 U	5000 U	500 U
1,2,4-Trichlorobenzene	µg/L	1 UJ	1 U	1 U	1000 U	100 U
1,2-Dibromo-3-chloropropane	µg/L	50 U	5 U	5 U	5000 U	500 U
1,2-Dibromoethane	µg/L	10 U	1 U	1 U	1000 U	100 U
1,2-Dichlorobenzene	µg/L	10 U	1 U	1 U	1000 U	1000
1,2-Dichloroethane	µg/L	10 U	1 U	1 U	1000 U	100 U
1,2-Dichloropropane	µg/L	10 U	1 U	1 U	1000 U	100 U
1,3-Dichlorobenzene	µg/L	10 U	1 U	1 U	39	100 U
1,3-Dichloropropane	µg/L	10 U	1 U	1 U	1000 U	100 U
1,4-Dichlorobenzene	µg/L	1 UJ	1 U	1 U	1 U	110
2,2-Dichloropropane	µg/L	10 U	1 U	1 U	1000 U	100 U
2-Chlorotoluene	µg/L	10 U	1 U	1 U	1000 U	100 U
4-Chlorotoluene	µg/L	10 U	1 U	1 U	1000 U	100 U
Bromobenzene	µg/L	10 U	1 U	1 U	1000 U	100 U
Bromodichloromethane	µg/L	10 U	1 U	1 U	1000 U	100 U
Bromoform	µg/L	10 U	1 U	1 U	1000 U	100 U
Bromomethane	µg/L	10 U	1 U	1 U	1000 U	100 U
Carbon tetrachloride	µg/L	50 U	5 U	5 U	5000 U	500 U
Chlorobenzene	µg/L	10 U	1 U	1 U	1000 U	100 U
Chloroform	µg/L	10 U	1 U	1 U	1000 U	100 U
Chloromethane	µg/L	10 U	1 U	1 U	1000 U	100 U
cis-1,3-Dichloropropene	µg/L	10 U	1 U	1 U	1000 U	100 U
Dibromochloromethane	µg/L	10 U	1 U	1 U	1000 U	100 U
Dibromomethane	µg/L	10 U	1 U	1 U	1000 U	100 U
Dichlorodifluoromethane	µg/L	10 U	1 U	1 U	1000 U	100 U
Dichloromethane	µg/L	50 U	5 U	5 U	5000 U	500 U
trans-1,3-Dichloropropene	µg/L	10 U	1 U	1 U	1000 U	100 U
Trichlorofluoromethane	µg/L	10 U	1 U	1 U	1000 U	100 U
BTEX						
Benzene	µg/L	64	1.3	1.3	1000 U	100 U
Toluene	µg/L	2400	10	11	1500	6100
Ethylbenzene	µg/L	410	2.8	2.6	1000	1800
Xylene (meta & para)	µg/L	420	2.6	2.3	2000 U	2100
Xylene (ortho)	µg/L	150	1	1 U	1000 U	1300

	Event	Terra Vac's Annual Monitoring (1998)				
	Location	B-35	B-36	B-36	B-39	B-42
	SampleID	**B-35**	**B-36**	**B-100 (B-36 DUP)**	**B-39**	**B-42**
	Depth (bgs)	19.5 - 29.5 ft	6 - 11 ft	6 - 11 ft	5.5 - 11.82 ft	5.75 - 11.75 ft
	Sample Date	10/21/1998	10/21/1998	10/21/1998	11/05/1998	11/03/1998
BTEX						
Xylene (total)	µg/L	570	3.6	2.3	2000 U	3400
Alkylated Benzenes						
1,3,5-Trimethylbenzene	µg/L	18	1 U	1 U	1000 U	300
n-Propylbenzene	µg/L	10 U	1 U	1 U	1000 U	100 U
1,2,4-Trimethylbenzene	µg/L	57	1 U	1 U	1000 U	810
iso-Propylbenzene	µg/L	10 U	1 U	1 U	1000 U	100 U
iso-Propyltoluene	µg/L	10 U	1 U	1 U	1000 U	100 U
n-Butylbenzene	µg/L	10 U	1 U	1 U	1000 U	100 U
sec-Butylbenzene	µg/L	10 U	1 U	1 U	1000 U	100 U
Styrene	µg/L	10 U	1 U	1 U	1000 U	460
tert-Butylbenzene	µg/L	10 U	1 U	1 U	1000 U	100 U
Semivolatile Organic Compounds						
Benzo(a)anthracene	µg/L	1 UJ	1 U	1 U	1 U	1 U
Benzo(a)pyrene	µg/L	1 UJ	1 U	1 U	1 U	1 U
Benzo(g,h,i)perylene	µg/L	1 UJ	1 U	1 U	1 U	1 U
Benzo(b)fluoranthene	µg/L	1 UJ	1 U	1 U	1 U	1 U
Benzo(k)fluoranthene	µg/L	1 UJ	1 U	1 U	1 U	1 U
Chrysene	µg/L	1 UJ	1 U	1 U	1 U	1 U
Dibenzo(a,h)anthracene	µg/L	1 UJ	1 U	1 U	1 U	1 U
Fluoranthene	µg/L	1 UJ	1 U	1 U	1 U	1 U
Indeno(1,2,3-cd)pyrene	µg/L	1 UJ	1 U	1 U	1 U	1 U
Pyrene	µg/L	1 UJ	1 U	1 U	1 U	1 U
Acenaphthene	µg/L	1 UJ	1 U	1 U	1 U	1 U
Acenaphthylene	µg/L	1 UJ	1 U	1 U	1 U	1 U
Anthracene	µg/L	1 UJ	1 U	1 U	1 U	1 U
Fluorene	µg/L	1 UJ	1 U	1 U	1 U	1 U
Naphthalene	µg/L	50 U	1 U	5 U	5000 U	500 U
Phenanthrene	µg/L	1 UJ	1 U	1 U	1 U	1 U
bis(2-ethylhexyl)phthalate	µg/L	1 UJ	1 U	1.1	1 U	1
Di-n-butyl phthalate	µg/L	1 UJ	1 U	1 U	47	150
Butyl benzyl phthalate	µg/L	1 UJ	1 U	1 U	1 U	1 U
Diethylphthalate	µg/L	1 UJ	1 U	1 U	1 U	1 U
Dimethyl phthalate	µg/L	1 UJ	1 U	1 U	1 U	1 U
Di-n-octyl phthalate	µg/L	1 UJ	1 U	1 U	1 U	1 U
Pentachlorophenol	µg/L	10 U	10 U	10 U	440	260 J
2,4-Dichlorophenol	µg/L	5 U	5 U	5 U	5 U	5 U
2,4,5-Trichlorophenol	µg/L	5 U	5 U	5 U	5 U	5 U
2,4,6-Trichlorophenol	µg/L	5 U	5 U	5 U	5 U	5 U
2-Chlorophenol	µg/L	5 U	5 U	5 U	5 U	5 U
2,4-Dimethylphenol	µg/L	5 U	5 U	5 U	39	66
2,4-Dinitrophenol	µg/L	10 U	10 U	10 U	10 U	15 U
2,4-Dinitrotoluene	µg/L	1 UJ	1 U	1 U	1 U	1 U
2,6-Dinitrotoluene	µg/L	2 UJ	2 U	2 U	2 U	2 U
2-Chloronaphthalene	µg/L	1 UJ	1 U	1 U	1 U	1 U
2-Methylphenol	µg/L	5 U	5 U	5 U	31	29
2-Nitroaniline	µg/L	1 UJ	1 U	1 U	1 U	1 U
2-Nitrophenol	µg/L	10 U	10 U	10 U	10 U	10 U
3,3'-Dichlorobenzidine	µg/L	1 UJ	1 U	1 U	1 U	1 U

	Event	**Terra Vac's Annual Monitoring (1998)**				
	Location	B-35	B-36	B-36	B-39	B-42
	SampleID	**B-35**	**B-36**	**B-100 (B-36 DUP)**	**B-39**	**B-42**
	Depth (bgs)	19.5 - 29.5 ft	6 - 11 ft	6 - 11 ft	5.5 - 11.82 ft	5.75 - 11.75 ft
	Sample Date	10/21/1998	10/21/1998	10/21/1998	11/05/1998	11/03/1998
Semivolatile Organic Compounds						
2-Methylnaphthalene	µg/L	1 UJ	1 U	1 U	1.7	2.3
3-Nitroaniline	µg/L	1 UJ	1 U	1 U	1 U	1 U
4,6-Dinitro-o-cresol	µg/L	10 U	10 U	10 U	10 U	10 U
4-Bromophenyl phenyl ether	µg/L	1 UJ	1 U	1 U	1 U	1 U
4-Chloro-3-methylphenol	µg/L	5 U	5 U	5 U	5 U	5 U
4-Chloroaniline	µg/L	1 UJ	1 U	1 U	1 U	1 U
4-Chlorophenyl phenyl ether	µg/L	1 UJ	1 U	1 U	1 U	1 U
4-Methylphenol	µg/L	1 U	1 U	1 U	1 U	52
4-Nitroaniline	µg/L	2 UJ	2 U	2 U	2 U	2 U
4-Nitrophenol	µg/L	10 U	10 U	10 U	10 U	15 U
Aniline	µg/L	1 UJ	1 U	1 U	1 U	1 U
Benzidine	µg/L	1 UJ	1 U	1 U	1 U	1 U
Benzoic acid	µg/L	15 U	15 U	15 U	15 U	15 U
Benzyl alcohol	µg/L	1 U	1 U	1 U	1 U	1 U
bis(2-chloroethoxy)methane	µg/L	1 UJ	1 U	1 U	1 U	1 U
bis(2-chloroethyl)ether	µg/L	1 UJ	1 U	1 U	1 U	1 U
bis(2-chloroisopropyl)ether	µg/L	1 UJ	1 U	1 U	1 U	1 U
Carbazole	µg/L	1 UJ	1 U	1 U	1 U	1 U
Dibenzofuran	µg/L	1 UJ	1 U	1 U	1 U	1 U
Hexachlorobenzene	µg/L	1 UJ	1 U	1 U	1 U	1 U
Hexachlorobutadiene	µg/L	10 U	1 U	1 U	1 U	1 U
Hexachlorocyclopentadiene	µg/L	1 UJ	1 U	1 U	1 U	1 U
Hexachloroethane	µg/L	1 UJ	1 U	1 U	1 U	1 U
Isophorone	µg/L	1 UJ	1 U	1 U	1 U	1 U
Nitrobenzene	µg/L	1 UJ	1 U	1 U	1 U	1 U
N-Nitroso-di-n-propylamine	µg/L	1 UJ	1 U	1 U	1 U	1 U
N-Nitrosodiphenylamine	µg/L	1 UJ	1 U	1 U	1 U	1 U
Phenol	µg/L	5 U	5 U	5 U	5 U	5 U
Conventionals						
Total Organic Carbon	mg/L	9	3.1			
Dissolved Gases						
Ethane	mg/L	0.016	0.0047	0.0049		
Ethene	mg/L	3.5	0.054	0.057		
Methane	mg/L	1.6	0.31	0.34		

	Event	Terra Vac's Annual Monitoring (1998)				
	Location	B-44	B-45	B-46	B-49	B-52
	SampleID	**B-44**	**B-45**	**B-46**	**B-49**	**B-52**
	Depth (bgs)	9.5 - 15.5 ft	37 - 47 ft	7.3 - 13.3 ft	9.5 - 15.5 ft	6.75 - 12.75 ft
	Sample Date	10/20/1998	11/03/1998	11/06/1998	11/03/1998	11/06/1998
Volatile Organic Compounds						
Tetrachloroethene	µg/L	14000	1300	47000	85000	12000
Trichloroethene	µg/L	20000	13000	9100	22000	5300
cis-1,2-Dichloroethene	µg/L	15000	14000	21000	14000	8300
trans-1,2-Dichloroethene	µg/L	440	270	490	270	120
1,1-Dichloroethene	µg/L	100 U	100 U	100 U	140 J	15
Vinyl chloride	µg/L	3000	290	1600	1200	2800
1,1,1,2-Tetrachloroethane	µg/L	100 U	100 U	100 U	100 U	1 U
1,1,1-Trichloroethane	µg/L	760	100 U	200	10000	36
1,1,2,2-Tetrachloroethane	µg/L	100 U	100 U	100 U	100 U	1 U
1,1,2-Trichloroethane	µg/L	100 U	100 U	100 U	100 U	1 U
1,1-Dichloroethane	µg/L	100 U	100 U	100 U	260	36
Chloroethane	µg/L	100 U	100 U	100 U	100 U	1 U
1,1-Dichloropropene	µg/L	100 U	100 U	100 U	100 U	1 U
1,2,3-Trichlorobenzene	µg/L	100 U	100 U	100 U	100 U	1 U
1,2,3-Trichloropropane	µg/L	500 U	500 U	500 U	500 U	5 U
1,2,4-Trichlorobenzene	µg/L	1 U	1 U	1 U	1 U	1 U
1,2-Dibromo-3-chloropropane	µg/L	500 U	500 U	500 U	500 U	5 U
1,2-Dibromoethane	µg/L	100 U	100 U	100 U	100 U	1 U
1,2-Dichlorobenzene	µg/L	380	3.5	150	120	250
1,2-Dichloroethane	µg/L	100 U	100 U	100 U	100 U	3.6
1,2-Dichloropropane	µg/L	100 U	100 U	100 U	100 U	11
1,3-Dichlorobenzene	µg/L	100 U	1 U	11	100 U	20
1,3-Dichloropropane	µg/L	100 U	100 U	100 U	100 U	1 U
1,4-Dichlorobenzene	µg/L	100 U	1 U	54	100 U	67
2,2-Dichloropropane	µg/L	100 U	100 U	100 U	100 U	1 U
2-Chlorotoluene	µg/L	100 U	100 U	100 U	100 U	1 U
4-Chlorotoluene	µg/L	100 U	100 U	100 U	100 U	1 U
Bromobenzene	µg/L	100 U	100 U	100 U	100 U	1 U
Bromodichloromethane	µg/L	100 U	100 U	100 U	100 U	1 U
Bromoform	µg/L	100 U	100 U	100 U	100 U	1 U
Bromomethane	µg/L	100 U	100 U	100 U	100 U	1 U
Carbon tetrachloride	µg/L	500 U	500 U	500 U	500 U	5 U
Chlorobenzene	µg/L	100 U	100 U	100 U	100 U	2.7
Chloroform	µg/L	100 U	100 U	100 U	100 U	2.1
Chloromethane	µg/L	100 U	100 U	100 U	100 U	1 U
cis-1,3-Dichloropropene	µg/L	100 U	100 U	100 U	100 U	1 U
Dibromochloromethane	µg/L	100 U	100 U	100 U	100 U	1 U
Dibromomethane	µg/L	100 U	100 U	100 U	100 U	1 U
Dichlorodifluoromethane	µg/L	100 U	100 U	100 U	100 U	1 U
Dichloromethane	µg/L	500 U	500 U	500 U	500 U	5.3
trans-1,3-Dichloropropene	µg/L	100 U	100 U	100 U	100 U	1 U
Trichlorofluoromethane	µg/L	100 U	100 U	100 U	100 U	1 U
BTEX						
Benzene	µg/L	170	100 U	100 U	440	21
Toluene	µg/L	6500	320	330	27000	310
Ethylbenzene	µg/L	1300	100 U	370	2200	310
Xylene (meta & para)	µg/L	1300	200 U	290	4900	310
Xylene (ortho)	µg/L	820	100 U	270	2500	220

	Event	Terra Vac's Annual Monitoring (1998)				
	Location	B-44	B-45	B-46	B-49	B-52
	SampleID	**B-44**	**B-45**	**B-46**	**B-49**	**B-52**
	Depth (bgs)	9.5 - 15.5 ft	37 - 47 ft	7.3 - 13.3 ft	9.5 - 15.5 ft	6.75 - 12.75 ft
	Sample Date	10/20/1998	11/03/1998	11/06/1998	11/03/1998	11/06/1998
BTEX						
Xylene (total)	µg/L	2120	200 U	560	7400	530
Alkylated Benzenes						
1,3,5-Trimethylbenzene	µg/L	180	100 U	100 U	210	39
n-Propylbenzene	µg/L	100 U	100 U	100 U	100 U	13
1,2,4-Trimethylbenzene	µg/L	360	100 U	130	410	110
iso-Propylbenzene	µg/L	100 U	100 U	100 U	100 U	11
iso-Propyltoluene	µg/L	100 U	100 U	100 U	100 U	8.5
n-Butylbenzene	µg/L	100 U	100 U	100 U	100 U	7
sec-Butylbenzene	µg/L	100 U	100 U	100 U	100 U	5.3
Styrene	µg/L	100 U	100 U	100 U	1800	1 U
tert-Butylbenzene	µg/L	100 U	100 U	100 U	100 U	1 U
Semivolatile Organic Compounds						
Benzo(a)anthracene	µg/L	1 U	1 U	1 U	1 U	1 U
Benzo(a)pyrene	µg/L	1 U	1 U	1 U	1 U	1 U
Benzo(g,h,i)perylene	µg/L	1 U	1 U	1 U	1 U	1 U
Benzo(b)fluoranthene	µg/L	1 U	1 U	1 U	1 U	1 U
Benzo(k)fluoranthene	µg/L	1 U	1 U	1 U	1 U	1 U
Chrysene	µg/L	1 U	1 U	1 U	1 U	1 U
Dibenzo(a,h)anthracene	µg/L	1 U	1 U	1 U	1 U	1 U
Fluoranthene	µg/L	1 U	1 U	1 U	1 U	1 U
Indeno(1,2,3-cd)pyrene	µg/L	1 U	1 U	1 U	1 U	1 U
Pyrene	µg/L	1 U	1 U	1 U	1 U	1 U
Acenaphthene	µg/L	1.5	1 U	2.8	6.4	1.2
Acenaphthylene	µg/L	1 U	1 U	1 U	1 U	1 U
Anthracene	µg/L	1 U	1 U	1 U	1 U	1 U
Fluorene	µg/L	1 U	1 U	2.8	3.2	1.1
Naphthalene	µg/L	500 U	500 U	500 U	23	5 U
Phenanthrene	µg/L	1.3	1 U	4.5	2.3	2.4
bis(2-ethylhexyl)phthalate	µg/L	1 U	1 U	1 U	1 U	1 U
Di-n-butyl phthalate	µg/L	28	1 U	60	51	2.7
Butyl benzyl phthalate	µg/L	1 U	1 U	1 U	1 U	1 U
Diethylphthalate	µg/L	1.8	1 U	1 U	3.1	1 U
Dimethyl phthalate	µg/L	1 U	1 U	1 U	1 U	1 U
Di-n-octyl phthalate	µg/L	1 U	1 U	1 U	1 U	1 U
Pentachlorophenol	µg/L	570	15 U	360	480 J	120
2,4-Dichlorophenol	µg/L	5 U	5 U	5 U	5 U	5 U
2,4,5-Trichlorophenol	µg/L	5 U	5 U	5 U	5 U	5 U
2,4,6-Trichlorophenol	µg/L	5 U	5 U	5 U	5 U	5 U
2-Chlorophenol	µg/L	5 U	5 U	5 U	5 U	5 U
2,4-Dimethylphenol	µg/L	13	5 U	5 U	13	5 U
2,4-Dinitrophenol	µg/L	10 U	15 U	10 U	15 U	10 U
2,4-Dinitrotoluene	µg/L	1 U	1 U	1 U	1 U	1 U
2,6-Dinitrotoluene	µg/L	2 U	2 U	2 U	2 U	2 U
2-Chloronaphthalene	µg/L	1 U	1 U	1 U	1 U	1 U
2-Methylphenol	µg/L	20	5 U	14	52	5 U
2-Nitroaniline	µg/L	1 U	1 U	1 U	1 U	1 U
2-Nitrophenol	µg/L	10 U	10 U	10 U	10 U	10 U
3,3'-Dichlorobenzidine	µg/L	1 U	1 U	1 U	1 U	1 U

	Event	Terra Vac's Annual Monitoring (1998)				
	Location	B-44	B-45	B-46	B-49	B-52
	SampleID	**B-44**	**B-45**	**B-46**	**B-49**	**B-52**
	Depth (bgs)	9.5 - 15.5 ft	37 - 47 ft	7.3 - 13.3 ft	9.5 - 15.5 ft	6.75 - 12.75 ft
	Sample Date	10/20/1998	11/03/1998	11/06/1998	11/03/1998	11/06/1998
Semivolatile Organic Compounds						
2-Methylnaphthalene	µg/L	1.9	1 U	3.2	7.5	1.1
3-Nitroaniline	µg/L	1 U	1 U	1 U	1 U	1 U
4,6-Dinitro-o-cresol	µg/L	10 U	10 U	10 U	10 U	15
4-Bromophenyl phenyl ether	µg/L	1 U	1 U	1 U	1 U	1 U
4-Chloro-3-methylphenol	µg/L	5 U	5 U	5 U	5 U	5 U
4-Chloroaniline	µg/L	1 U	1 U	1 U	1 U	1 U
4-Chlorophenyl phenyl ether	µg/L	1 U	1 U	1 U	1 U	1 U
4-Methylphenol	µg/L	1 U	1 U	16	34	1 U
4-Nitroaniline	µg/L	2 U	2 U	2 U	2 U	2 U
4-Nitrophenol	µg/L	10 U	15 U	10 U	15 U	10 U
Aniline	µg/L	1 U	1 U	1 U	1 U	1 U
Benzidine	µg/L	1 U	1 U	1 U	1 U	1 U
Benzoic acid	µg/L	15 U	15 U	15 U	15 U	15 U
Benzyl alcohol	µg/L	1 U	1 U	1 U	17	1 U
bis(2-chloroethoxy)methane	µg/L	1 U	1 U	1 U	1 U	1 U
bis(2-chloroethyl)ether	µg/L	1 U	1 U	1 U	1 U	1 U
bis(2-chloroisopropyl)ether	µg/L	1 U	1 U	1 U	1 U	1 U
Carbazole	µg/L	1 U	1 U	1 U	1 U	1 U
Dibenzofuran	µg/L	1 U	1 U	2.2	2.5	1 U
Hexachlorobenzene	µg/L	1 U	1 U	1 U	1 U	1 U
Hexachlorobutadiene	µg/L	100 U	100 U	1 U	100 U	1 U
Hexachlorocyclopentadiene	µg/L	1 U	1 U	1 U	1 U	1 U
Hexachloroethane	µg/L	1 U	1 U	1 U	1 U	1 U
Isophorone	µg/L	1 U	1 U	1 U	1 U	1 U
Nitrobenzene	µg/L	1 U	1 U	1 U	1 U	1 U
N-Nitroso-di-n-propylamine	µg/L	9.7	1 U	1 U	1 U	1 U
N-Nitrosodiphenylamine	µg/L	1 U	1 U	1 U	1 U	1 U
Phenol	µg/L	5 U	5 U	5 U	5 U	5 U
Conventionals						
Total Organic Carbon	mg/L	33				
Dissolved Gases						
Ethane	mg/L	0.0018				
Ethene	mg/L	1.8				
Methane	mg/L	1.7				

	Event	Terra Vac's Annual Monitoring (1998)				
	Location	B-52				
	SampleID	**B-101 (B-52 DUP)**				
	Depth (bgs)	6.75 - 12.75 ft				
	Sample Date	11/06/1998				
Volatile Organic Compounds						
Tetrachloroethene	µg/L	9000				
Trichloroethene	µg/L	4100				
cis-1,2-Dichloroethene	µg/L	6200				
trans-1,2-Dichloroethene	µg/L	100 U				
1,1-Dichloroethene	µg/L	100 U				
Vinyl chloride	µg/L	2300				
1,1,1,2-Tetrachloroethane	µg/L	100 U				
1,1,1-Trichloroethane	µg/L	100 U				
1,1,2,2-Tetrachloroethane	µg/L	100 U				
1,1,2-Trichloroethane	µg/L	100 U				
1,1-Dichloroethane	µg/L	100 U				
Chloroethane	µg/L	100 U				
1,1-Dichloropropene	µg/L	100 U				
1,2,3-Trichlorobenzene	µg/L	100 U				
1,2,3-Trichloropropane	µg/L	500 U				
1,2,4-Trichlorobenzene	µg/L	100 U				
1,2-Dibromo-3-chloropropane	µg/L	500 U				
1,2-Dibromoethane	µg/L	100 U				
1,2-Dichlorobenzene	µg/L	120				
1,2-Dichloroethane	µg/L	100 U				
1,2-Dichloropropane	µg/L	100 U				
1,3-Dichlorobenzene	µg/L	11				
1,3-Dichloropropane	µg/L	100 U				
1,4-Dichlorobenzene	µg/L	37				
2,2-Dichloropropane	µg/L	100 U				
2-Chlorotoluene	µg/L	100 U				
4-Chlorotoluene	µg/L	100 U				
Bromobenzene	µg/L	100 U				
Bromodichloromethane	µg/L	100 U				
Bromoform	µg/L	100 U				
Bromomethane	µg/L	100 U				
Carbon tetrachloride	µg/L	500 U				
Chlorobenzene	µg/L	100 U				
Chloroform	µg/L	100 U				
Chloromethane	µg/L	100 U				
cis-1,3-Dichloropropene	µg/L	100 U				
Dibromochloromethane	µg/L	100 U				
Dibromomethane	µg/L	100 U				
Dichlorodifluoromethane	µg/L	100 U				
Dichloromethane	µg/L	500 U				
trans-1,3-Dichloropropene	µg/L	100 U				
Trichlorofluoromethane	µg/L	100 U				
BTEX						
Benzene	µg/L	100 U				
Toluene	µg/L	190				
Ethylbenzene	µg/L	240				
Xylene (meta & para)	µg/L	220				
Xylene (ortho)	µg/L	150				

	Event	Terra Vac's Annual Monitoring (1998)				
	Location	B-52				
	SampleID	**B-101 (B-52 DUP)**				
	Depth (bgs)	6.75 - 12.75 ft				
	Sample Date	11/06/1998				
BTEX						
Xylene (total)	µg/L	370				
Alkylated Benzenes						
1,3,5-Trimethylbenzene	µg/L	100 U				
n-Propylbenzene	µg/L	100 U				
1,2,4-Trimethylbenzene	µg/L	100 U				
iso-Propylbenzene	µg/L	100 U				
iso-Propyltoluene	µg/L	100 U				
n-Butylbenzene	µg/L	100 U				
sec-Butylbenzene	µg/L	100 U				
Styrene	µg/L	100 U				
tert-Butylbenzene	µg/L	100 U				
Semivolatile Organic Compounds						
Benzo(a)anthracene	µg/L	1 U				
Benzo(a)pyrene	µg/L	1 U				
Benzo(g,h,i)perylene	µg/L	1 U				
Benzo(b)fluoranthene	µg/L	1 U				
Benzo(k)fluoranthene	µg/L	1 U				
Chrysene	µg/L	1 U				
Dibenzo(a,h)anthracene	µg/L	1 U				
Fluoranthene	µg/L	1 U				
Indeno(1,2,3-cd)pyrene	µg/L	1 U				
Pyrene	µg/L	1 U				
Acenaphthene	µg/L	1.2				
Acenaphthylene	µg/L	1 U				
Anthracene	µg/L	1 U				
Fluorene	µg/L	1.1				
Naphthalene	µg/L	500 U				
Phenanthrene	µg/L	2.6				
bis(2-ethylhexyl)phthalate	µg/L	1 U				
Di-n-butyl phthalate	µg/L	2.9				
Butyl benzyl phthalate	µg/L	1 U				
Diethylphthalate	µg/L	1 U				
Dimethyl phthalate	µg/L	1 U				
Di-n-octyl phthalate	µg/L	1 U				
Pentachlorophenol	µg/L	120				
2,4-Dichlorophenol	µg/L	5 U				
2,4,5-Trichlorophenol	µg/L	5 U				
2,4,6-Trichlorophenol	µg/L	5 U				
2-Chlorophenol	µg/L	5 U				
2,4-Dimethylphenol	µg/L	5 U				
2,4-Dinitrophenol	µg/L	10 U				
2,4-Dinitrotoluene	µg/L	1 U				
2,6-Dinitrotoluene	µg/L	2 U				
2-Chloronaphthalene	µg/L	1 U				
2-Methylphenol	µg/L	5 U				
2-Nitroaniline	µg/L	1 U				
2-Nitrophenol	µg/L	10 U				
3,3'-Dichlorobenzidine	µg/L	1 U				

	Event	Terra Vac's Annual Monitoring (1998)				
	Location	B-52				
	SampleID	**B-101 (B-52 DUP)**				
	Depth (bgs)	6.75 - 12.75 ft				
	Sample Date	11/06/1998				
Semivolatile Organic Compounds						
2-Methylnaphthalene	µg/L	1.1				
3-Nitroaniline	µg/L	1 U				
4,6-Dinitro-o-cresol	µg/L	10 U				
4-Bromophenyl phenyl ether	µg/L	1 U				
4-Chloro-3-methylphenol	µg/L	5 U				
4-Chloroaniline	µg/L	1 U				
4-Chlorophenyl phenyl ether	µg/L	1 U				
4-Methylphenol	µg/L	1 U				
4-Nitroaniline	µg/L	2 U				
4-Nitrophenol	µg/L	10 U				
Aniline	µg/L	1 U				
Benzidine	µg/L	1 U				
Benzoic acid	µg/L	15 U				
Benzyl alcohol	µg/L	1 U				
bis(2-chloroethoxy)methane	µg/L	1 U				
bis(2-chloroethyl)ether	µg/L	1 U				
bis(2-chloroisopropyl)ether	µg/L	1 U				
Carbazole	µg/L	1 U				
Dibenzofuran	µg/L	1 U				
Hexachlorobenzene	µg/L	1 U				
Hexachlorobutadiene	µg/L	100 U				
Hexachlorocyclopentadiene	µg/L	1 U				
Hexachloroethane	µg/L	1 U				
Isophorone	µg/L	1 U				
Nitrobenzene	µg/L	1 U				
N-Nitroso-di-n-propylamine	µg/L	1 U				
N-Nitrosodiphenylamine	µg/L	1 U				
Phenol	µg/L	5 U				

	Event	Terra Vac's Post Oxy-Vac Study				
	Location	B-08	B-12	B-31	B-39	B-42
	SampleID	**B-8**	**B-12**	**B-31**	**B-39**	**B-42**
	Depth (bgs)	39.5 - 44.5 ft	10.5 - 13 ft	6.5 - 11.5 ft	5.5 - 11.82 ft	5.75 - 11.75 ft
	Sample Date	06/29/1998	06/29/1998	06/29/1998	06/29/1998	06/29/1998
Volatile Organic Compounds						
Tetrachloroethene	µg/L	7000	74000 J	78000 J	27000 J	33000 J
Trichloroethene	µg/L	4700	6800	18000 J	1000	6600
cis-1,2-Dichloroethene	µg/L	540 J	11000	4600 J	12000	8700
trans-1,2-Dichloroethene	µg/L	7 J	210	38 J	200	87
1,1-Dichloroethene	µg/L	10 U	110	420 J	120	100
Vinyl chloride	µg/L	10 U	650 J	15 J	540 J	430 J
1,1,1-Trichloroethane	µg/L	10 U	420 J	3600 J	1600	410 J
1,1,2,2-Tetrachloroethane	µg/L	10 U	10 U	10 UJ	2.1 J	10 U
1,1,2-Trichloroethane	µg/L	10 U	10 U	10 UJ	10 U	10 U
1,1-Dichloroethane	µg/L	10 U	54	140 J	77	33
Chloroethane	µg/L	10 U	10 U	10 UJ	10 U	10 U
1,2,4-Trichlorobenzene	µg/L	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ
1,2-Dichlorobenzene	µg/L	3.3	180	4.5	150	160
1,2-Dichloroethane	µg/L	10 U	7.4 J	9 J	18	6.7 J
1,2-Dichloropropane	µg/L	10 U	10 U	10 UJ	10 U	10 U
1,3-Dichlorobenzene	µg/L	1 U	5	10 UJ	1 U	37
1,4-Dichlorobenzene	µg/L	1 UJ	1 UJ	10 UJ	26 J	1 UJ
2-Chloroethyl vinyl ether	µg/L	50 U	50 U	50 UJ	50 U	50 U
2-Hexanone	µg/L	10 U	10 U	10 UJ	10 U	10 U
Acetone	µg/L	10 U	10 U	170 J	390	11
Bromodichloromethane	µg/L	10 U	10 U	10 UJ	10 U	10 U
Bromoform	µg/L	10 U	10 U	10 UJ	10 U	10 U
Bromomethane	µg/L	10 U	10 U	10 UJ	10 U	10 U
Carbon tetrachloride	µg/L	10 U	10 U	10 UJ	10 U	10 U
Chlorobenzene	µg/L	10 U	10 U	10 UJ	10 U	10 U
Chloroform	µg/L	10 U	2.7 J	17 J	10 U	10 U
Chloromethane	µg/L	10 U	10 U	10 UJ	10 U	10 U
cis-1,3-Dichloropropene	µg/L	10 U	10 U	10 UJ	10 U	10 U
Dibromochloromethane	µg/L	10 U	10 U	10 UJ	10 U	10 U
Dichloromethane	µg/L	10 U	49	220 J	100	37
Methyl ethyl ketone	µg/L	10 U	10 U	10 UJ	10 U	10 U
Methyl iso butyl ketone	µg/L	10 U	400	10 UJ	10 U	10 U
trans-1,3-Dichloropropene	µg/L	10 U	10 U	10 UJ	10 U	10 U
Trichlorofluoromethane	µg/L	10 U	1.4 J	29 J	3.2 J	2.5 J
BTEX						
Benzene	µg/L	2.2 J	65	84 J	93	3.7
Toluene	µg/L	17	5000	18000 J	11000	5900
Ethylbenzene	µg/L	73	1100 J	1000 J	1000 J	1500
Xylene (meta & para)	µg/L	25	1900 J	3300 J	770 J	2000
Xylene (ortho)	µg/L	7.9 J	1500 J	1700 J	580 J	1200
Xylene (total)	µg/L	32.9 J	3400 J	5000 J	1350 J	3200
Semivolatile Organic Compounds						
Benzo(a)anthracene	µg/L	1 U	7.8	1 U	1 U	1 U
Benzo(a)pyrene	µg/L	1 U	3.7	1 U	1 U	1 U
Benzo(g,h,i)perylene	µg/L	1 U	1.7	1 U	1 U	1 U
Benzo(b)fluoranthene	µg/L	1 U	5.6	1 U	1 U	1 U
Benzo(k)fluoranthene	µg/L	1 U	1 U	1 U	1 U	1 U
Chrysene	µg/L	1 U	9	1 U	1 U	1 U

	Event	Terra Vac's Post Oxy-Vac Study				
	Location	B-08	B-12	B-31	B-39	B-42
	SampleID	**B-8**	**B-12**	**B-31**	**B-39**	**B-42**
	Depth (bgs)	39.5 - 44.5 ft	10.5 - 13 ft	6.5 - 11.5 ft	5.5 - 11.82 ft	5.75 - 11.75 ft
	Sample Date	06/29/1998	06/29/1998	06/29/1998	06/29/1998	06/29/1998
Semivolatile Organic Compounds						
Dibenzo(a,h)anthracene	µg/L	1 U	1 U	1 U	1 U	1 U
Fluoranthene	µg/L	1 U	24	1 U	1 U	1 U
Indeno(1,2,3-cd)pyrene	µg/L	1 U	1.3	1 U	1 U	1 U
Pyrene	µg/L	1 U	23	1 U	1 U	1 U
Acenaphthene	µg/L	1 U	17	1 U	1 U	1 U
Acenaphthylene	µg/L	1 U	1 U	1 U	1 U	1 U
Anthracene	µg/L	1 U	11	1 U	1 U	1 U
Fluorene	µg/L	1 U	15	1 U	1 U	1 U
Naphthalene	µg/L	1 U	52	23	7	11
Phenanthrene	µg/L	1 U	46	1 U	1 U	1.4
bis(2-ethylhexyl)phthalate	µg/L	1.1	87	21	1.5	7.4
Di-n-butyl phthalate	µg/L	1 U	310 J	43	1 U	140
Butyl benzyl phthalate	µg/L	1 U	3.3	1 U	1 U	1 U
Diethylphthalate	µg/L	1 U	2.6	1 U	2.4	1 U
Dimethyl phthalate	µg/L	1 U	1 U	1 U	1 U	1 U
Di-n-octyl phthalate	µg/L	1 U	1.1	20	1 U	1 U
Pentachlorophenol	µg/L	15 U	580 J	280	15 U	540
2,4-Dichlorophenol	µg/L	5 U	5 U	5 U	5 U	5 U
2,4,5-Trichlorophenol	µg/L	5 U	5 U	5 U	5 U	5 U
2,4,6-Trichlorophenol	µg/L	5 U	5 U	5 U	5 U	5 U
2-Chlorophenol	µg/L	5 U	5 U	5 U	5 U	5 U
2,4-Dimethylphenol	µg/L	5 U	14	25	27	21
2,4-Dinitrophenol	µg/L	15 U	15 U	15 U	15 U	15 U
2,4-Dinitrotoluene	µg/L	1 U	1 U	1 U	1 U	1 U
2,6-Dinitrotoluene	µg/L	2 U	2 U	2 U	2 U	2 U
2-Chloronaphthalene	µg/L	1 U	1 U	1 U	1 U	1 U
2-Methylphenol	µg/L	5 U	15	34	77	25
2-Nitroaniline	µg/L	1 U	1 U	1 U	1 U	1 U
2-Nitrophenol	µg/L	10 U	10 U	10 U	10 U	10 U
3,3'-Dichlorobenzidine	µg/L	1 U	1 U	1 U	1 U	1 U
2-Methylnaphthalene	µg/L	1 U	15	2.3	1 U	1.7
3-Nitroaniline	µg/L	1 U	1 U	1 U	10 U	1 U
4,6-Dinitro-o-cresol	µg/L	10 U	10 U	10 U	10 U	10 U
4-Bromophenyl phenyl ether	µg/L	1 U	1 U	1 U	1 U	1 U
4-Chloro-3-methylphenol	µg/L	5 U	5 U	5 U	5 U	5 U
4-Chloroaniline	µg/L	1 U	1 U	1 U	1 U	1 U
4-Chlorophenyl phenyl ether	µg/L	1 U	1 U	1 U	1 U	1 U
4-Methylphenol	µg/L	1 U	16	25	100	1 U
4-Nitroaniline	µg/L	2 U	2 U	2 U	2 U	2 U
4-Nitrophenol	µg/L	15 U	15 U	15 U	15 U	15 U
Aniline	µg/L	1 U	1 U	1 U	1 U	1 U
Benzidine	µg/L	1 U	1 U	1 U	1 U	1 U
Benzoic acid	µg/L	15 U	15 U	78	15 U	15 U
Benzyl alcohol	µg/L	1 U	1 U	22	1 U	1 U
bis(2-chloroethoxy)methane	µg/L	1 U	1 U	3	1 U	1 U
bis(2-chloroethyl)ether	µg/L	1 U	1 U	1 U	1 U	1 U
bis(2-chloroisopropyl)ether	µg/L	1 U	1 U	1 U	1 U	1 U
Carbazole	µg/L	1 U	1 U	1 U	1 U	1 U

	Event	Terra Vac's Post Oxy-Vac Study				
	Location	B-08	B-12	B-31	B-39	B-42
	SampleID	**B-8**	**B-12**	**B-31**	**B-39**	**B-42**
	Depth (bgs)	39.5 - 44.5 ft	10.5 - 13 ft	6.5 - 11.5 ft	5.5 - 11.82 ft	5.75 - 11.75 ft
	Sample Date	06/29/1998	06/29/1998	06/29/1998	06/29/1998	06/29/1998
Semivolatile Organic Compounds						
Dibenzofuran	µg/L	1 U	9.9	1 U	1 U	1 U
Hexachlorobenzene	µg/L	1 U	1 U	1 U	1 U	1 U
Hexachlorobutadiene	µg/L	1 U	1 U	1 U	1 U	1 U
Hexachlorocyclopentadiene	µg/L	1 U	1 U	1 U	1 U	1 U
Hexachloroethane	µg/L	1 U	1 U	1 U	1 U	1 U
Isophorone	µg/L	1 U	1 U	10 U	1 U	1 U
Nitrobenzene	µg/L	1 U	1 U	1 U	1 U	1 U
N-Nitroso-di-n-propylamine	µg/L	1 U	1 U	1 U	1 U	1 U
N-Nitrosodiphenylamine	µg/L	1 U	1 U	1 U	1 U	1 U
Phenol	µg/L	5 U	5 U	5 U	5 U	5 U

	Event	Terra Vac's Post Oxy-Vac Study				
	Location	B-44	B-47			
	SampleID	**B-44**	**B-47**			
	Depth (bgs)	9.5 - 15.5 ft	6.8 - 12.8 ft			
	Sample Date	06/29/1998	06/29/1998			
Volatile Organic Compounds						
Tetrachloroethene	µg/L	34000 J	49000 J			
Trichloroethene	µg/L	11000	11000			
cis-1,2-Dichloroethene	µg/L	16000	13000			
trans-1,2-Dichloroethene	µg/L	230 J	160			
1,1-Dichloroethene	µg/L	170	210			
Vinyl chloride	µg/L	270 J	440 J			
1,1,1-Trichloroethane	µg/L	1600	1500			
1,1,2,2-Tetrachloroethane	µg/L	10 U	10 U			
1,1,2-Trichloroethane	µg/L	10 U	10 U			
1,1-Dichloroethane	µg/L	100	61			
Chloroethane	µg/L	10 U	10 U			
1,2,4-Trichlorobenzene	µg/L	1 UJ	1 UJ			
1,2-Dichlorobenzene	µg/L	94	160			
1,2-Dichloroethane	µg/L	48	21			
1,2-Dichloropropane	µg/L	10 U	10 U			
1,3-Dichlorobenzene	µg/L	10 U	8.8			
1,4-Dichlorobenzene	µg/L	25	160			
2-Chloroethyl vinyl ether	µg/L	50 U	50 U			
2-Hexanone	µg/L	10 U	10 U			
Acetone	µg/L	210	53			
Bromodichloromethane	µg/L	10 U	10 U			
Bromoform	µg/L	10 U	10 U			
Bromomethane	µg/L	10 U	10 U			
Carbon tetrachloride	µg/L	10 U	10 U			
Chlorobenzene	µg/L	10 U	12			
Chloroform	µg/L	4.7 J	10 U			
Chloromethane	µg/L	10 U	10 U			
cis-1,3-Dichloropropene	µg/L	10 U	10 U			
Dibromochloromethane	µg/L	10 U	10 U			
Dichloromethane	µg/L	390 J	66			
Methyl ethyl ketone	µg/L	10 U	10 U			
Methyl iso butyl ketone	µg/L	910	10 U			
trans-1,3-Dichloropropene	µg/L	10 U	10 U			
Trichlorofluoromethane	µg/L	3.5 J	7.8 J			
BTEX						
Benzene	µg/L	76	94			
Toluene	µg/L	12000	15000			
Ethylbenzene	µg/L	480 J	2300			
Xylene (meta & para)	µg/L	1300 J	3500			
Xylene (ortho)	µg/L	1100	2000			
Xylene (total)	µg/L	2400 J	5500			
Semivolatile Organic Compounds						
Benzo(a)anthracene	µg/L	1 U	1 U			
Benzo(a)pyrene	µg/L	1 U	1 U			
Benzo(g,h,i)perylene	µg/L	1 U	1 U			
Benzo(b)fluoranthene	µg/L	1 U	1 U			
Benzo(k)fluoranthene	µg/L	1 U	1 U			
Chrysene	µg/L	1 U	1 U			

	Event	Terra Vac's Post Oxy-Vac Study				
	Location	B-44	B-47			
	SampleID	**B-44**	**B-47**			
	Depth (bgs)	9.5 - 15.5 ft	6.8 - 12.8 ft			
	Sample Date	06/29/1998	06/29/1998			
Semivolatile Organic Compounds						
Dibenzo(a,h)anthracene	µg/L	1 U	1 U			
Fluoranthene	µg/L	1 U	1 U			
Indeno(1,2,3-cd)pyrene	µg/L	1 U	1 U			
Pyrene	µg/L	1 U	1 U			
Acenaphthene	µg/L	1 U	1 U			
Acenaphthylene	µg/L	1 U	1 U			
Anthracene	µg/L	1 U	1 U			
Fluorene	µg/L	1 U	1 U			
Naphthalene	µg/L	11	12			
Phenanthrene	µg/L	1 U	1 U			
bis(2-ethylhexyl)phthalate	µg/L	1 U	4.7			
Di-n-butyl phthalate	µg/L	2	100			
Butyl benzyl phthalate	µg/L	1 U	1 U			
Diethylphthalate	µg/L	3.8	2.1			
Dimethyl phthalate	µg/L	1 U	1 U			
Di-n-octyl phthalate	µg/L	1 U	1 U			
Pentachlorophenol	µg/L	46	130			
2,4-Dichlorophenol	µg/L	5 U	5 U			
2,4,5-Trichlorophenol	µg/L	5 U	5 U			
2,4,6-Trichlorophenol	µg/L	5 U	5 U			
2-Chlorophenol	µg/L	5 U	5 U			
2,4-Dimethylphenol	µg/L	28	18			
2,4-Dinitrophenol	µg/L	15 U	15 U			
2,4-Dinitrotoluene	µg/L	1 U	1 U			
2,6-Dinitrotoluene	µg/L	2 U	2 U			
2-Chloronaphthalene	µg/L	1 U	1 U			
2-Methylphenol	µg/L	110	53			
2-Nitroaniline	µg/L	1 U	1 U			
2-Nitrophenol	µg/L	10 U	10 U			
3,3'-Dichlorobenzidine	µg/L	1 U	1 U			
2-Methylnaphthalene	µg/L	1.4	1.2			
3-Nitroaniline	µg/L	1 U	1 U			
4,6-Dinitro-o-cresol	µg/L	10 U	10 U			
4-Bromophenyl phenyl ether	µg/L	1 U	1 U			
4-Chloro-3-methylphenol	µg/L	5 U	5 U			
4-Chloroaniline	µg/L	1 U	1 U			
4-Chlorophenyl phenyl ether	µg/L	1 U	1 U			
4-Methylphenol	µg/L	96	56 U			
4-Nitroaniline	µg/L	2 U	2 U			
4-Nitrophenol	µg/L	15 U	15 U			
Aniline	µg/L	1 U	1 U			
Benzidine	µg/L	1 U	1 U			
Benzoic acid	µg/L	15 U	15 U			
Benzyl alcohol	µg/L	1 U	1 U			
bis(2-chloroethoxy)methane	µg/L	1 U	2.4			
bis(2-chloroethyl)ether	µg/L	1 U	1 U			
bis(2-chloroisopropyl)ether	µg/L	1 U	1 U			
Carbazole	µg/L	1 U	1 U			

	Event	Terra Vac's Post Oxy-Vac Study				
	Location	B-44	B-47			
	SampleID	**B-44**	**B-47**			
	Depth (bgs)	9.5 - 15.5 ft	6.8 - 12.8 ft			
	Sample Date	06/29/1998	06/29/1998			
Semivolatile Organic Compounds						
Dibenzofuran	µg/L	1 U	1 U			
Hexachlorobenzene	µg/L	1 U	1 U			
Hexachlorobutadiene	µg/L	1 U	1 U			
Hexachlorocyclopentadiene	µg/L	1 U	1 U			
Hexachloroethane	µg/L	1 U	1 U			
Isophorone	µg/L	1 U	1 U			
Nitrobenzene	µg/L	1.5	1 U			
N-Nitroso-di-n-propylamine	µg/L	1 U	1 U			
N-Nitrosodiphenylamine	µg/L	1 U	1 U			
Phenol	µg/L	5 U	5 U			

	Event	Terra Vac's Pre Oxy-Vac Pilot Study				
	Location	B-08	B-12	B-31	B-39	B-42
	SampleID	**B-8**	**B-12**	**B-31**	**B-39**	**B-42**
	Depth (bgs)	39.5 - 44.5 ft	10.5 - 13 ft	6.5 - 11.5 ft	5.5 - 11.82 ft	5.75 - 11.75 ft
	Sample Date	06/22/1998	06/22/1998	06/22/1998	06/22/1998	06/22/1998
Volatile Organic Compounds						
Tetrachloroethene	µg/L	1600	81000 J	56000 J	44000 J	34000 J
Trichloroethene	µg/L	4000	12000 J	1600 J	15000 J	8300
cis-1,2-Dichloroethene	µg/L	4600	14000 J	3000	13000 J	7400
trans-1,2-Dichloroethene	µg/L	50 U	150	50 U	86	59
1,1-Dichloroethene	µg/L	50 U	50 U	50 U	50 U	50 U
Vinyl chloride	µg/L	50 U	670	50 U	840	300
1,1,1,2-Tetrachloroethane	µg/L	50 U	50 U	50 U	50 U	50 U
1,1,1-Trichloroethane	µg/L	50 U	920	2800	1800	770
1,1,2,2-Tetrachloroethane	µg/L	50 U	50 U	50 U	50 U	50 U
1,1,2-Trichloroethane	µg/L	50 U	50 U	50 U	50 U	50 U
1,1-Dichloroethane	µg/L	50 U	73	60	74	50 U
Chloroethane	µg/L	50 U	50 U	50 U	50 U	50 U
1,1-Dichloropropene	µg/L	50 U	50 U	50 U	50 U	50 U
1,2,3-Trichlorobenzene	µg/L	50 U	50 U	50 U	50 U	50 U
1,2,3-Trichloropropane	µg/L	50 U	50 U	50 U	50 U	50 U
1,2,4-Trichlorobenzene	µg/L	50 U	50 U	1 UJ	50 U	1 UJ
1,2-Dibromo-3-chloropropane	µg/L	250 U	250 U	250 U	250 U	250 U
1,2-Dibromoethane	µg/L	250 U	250 U	250 U	250 U	250 U
1,2-Dichlorobenzene	µg/L	1 U	250	50 U	96 J	700
1,2-Dichloroethane	µg/L	50 U	50 U	50 U	50 U	50 U
1,2-Dichloropropane	µg/L	50 U	50 U	50 U	50 U	50 U
1,3-Dichlorobenzene	µg/L	50 U	50 U	50 U	50 U	7.5 J
1,3-Dichloropropane	µg/L	50 U	50 U	50 U	50 U	50 U
1,4-Dichlorobenzene	µg/L	50 U	76	50 U	130	45 J
2,2-Dichloropropane	µg/L	50 U	50 U	50 U	50 U	50 U
2-Chlorotoluene	µg/L	50 U	50 U	50 U	50 U	50 U
4-Chlorotoluene	µg/L	50 U	50 U	50 U	50 U	50 U
Bromobenzene	µg/L	50 U	50 U	50 U	50 U	50 U
Bromodichloromethane	µg/L	50 U	50 U	50 U	50 U	50 U
Bromoform	µg/L	50 U	50 U	50 U	50 U	50 U
Bromomethane	µg/L	50 U	50 U	50 U	50 U	50 U
Carbon tetrachloride	µg/L	250 U	250 U	250 U	250 U	250 U
Chlorobenzene	µg/L	50 U	50 U	50 U	50 U	50 U
Chloroform	µg/L	50 U	50 U	50 U	50 U	50 U
Chloromethane	µg/L	50 U	50 U	50 U	50 U	50 U
cis-1,3-Dichloropropene	µg/L	50 U	50 U	50 U	50 U	50 U
Dibromochloromethane	µg/L	50 U	50 U	50 U	50 U	50 U
Dibromomethane	µg/L	50 U	50 U	50 U	50 U	50 U
Dichlorodifluoromethane	µg/L	50 U	50 U	50 U	50 U	50 U
Dichloromethane	µg/L	50 U	73 UB	140 UB	120 UB	61 UB
trans-1,3-Dichloropropene	µg/L	50 U	50 U	50 U	50 U	50 U
Trichlorofluoromethane	µg/L	50 U	50 U	50 U	50 U	50 U
BTEX						
Benzene	µg/L	50 U	110	58	120	50 U
Toluene	µg/L	78	5800	11000	11000 J	5500
Ethylbenzene	µg/L	50 U	800	560	1400	1200
Xylene (meta & para)	µg/L	100 U	1200	2100	2200	1700
Xylene (ortho)	µg/L	50 U	700	1000	1100	1000

	Event	Terra Vac's Pre Oxy-Vac Pilot Study				
	Location	B-08	B-12	B-31	B-39	B-42
	SampleID	**B-8**	**B-12**	**B-31**	**B-39**	**B-42**
	Depth (bgs)	39.5 - 44.5 ft	10.5 - 13 ft	6.5 - 11.5 ft	5.5 - 11.82 ft	5.75 - 11.75 ft
	Sample Date	06/22/1998	06/22/1998	06/22/1998	06/22/1998	06/22/1998
BTEX						
Xylene (total)	µg/L	100 U	1900	3100	3300	2700
Alkylated Benzenes						
1,3,5-Trimethylbenzene	µg/L	50 U	170	50 U	220	290
n-Propylbenzene	µg/L	50 U	50 U	50 U	50 U	75
1,2,4-Trimethylbenzene	µg/L	50 U	400	85	400	620
iso-Propylbenzene	µg/L	50 U	50 U	50 U	50 U	57
iso-Propyltoluene	µg/L	50 U	50 U	50 U	50 U	50 U
n-Butylbenzene	µg/L	50 U	50 U	50 U	50 U	50 U
sec-Butylbenzene	µg/L	50 U	50 U	50 U	50 U	50 U
Styrene	µg/L	50 U	140	200	390	370
tert-Butylbenzene	µg/L	50 U	50 U	50 U	50 U	50 U
Semivolatile Organic Compounds						
Benzo(a)anthracene	µg/L	1 U	6.5	1 UJ	1 UJ	1 UJ
Benzo(a)pyrene	µg/L	1 U	3.2	1 UJ	1 UJ	1 UJ
Benzo(g,h,i)perylene	µg/L	1 U	1 U	1 UJ	1 UJ	1 UJ
Benzo(b)fluoranthene	µg/L	1 U	4.8	1 UJ	1 UJ	1 UJ
Benzo(k)fluoranthene	µg/L	1 U	1 U	1 UJ	1 UJ	1 UJ
Chrysene	µg/L	1 U	7.2	1 UJ	1 UJ	1 UJ
Dibenzo(a,h)anthracene	µg/L	1 U	1 U	1 UJ	1 UJ	1 UJ
Fluoranthene	µg/L	1 U	20	1 UJ	1 UJ	1 UJ
Indeno(1,2,3-cd)pyrene	µg/L	1 U	1 U	1 UJ	1 UJ	1 UJ
Pyrene	µg/L	1 U	19	1 UJ	1 UJ	1 UJ
Acenaphthene	µg/L	1 U	13	1 UJ	1 UJ	1 UJ
Acenaphthylene	µg/L	1 U	1 U	1 UJ	1 UJ	1 UJ
Anthracene	µg/L	1 U	9.2	1 UJ	1 UJ	1 UJ
Fluorene	µg/L	1 U	12	1 UJ	1 UJ	1 UJ
Naphthalene	µg/L	250 U	250 U	250 U	7.8 J	7.4 J
Phenanthrene	µg/L	1.1	39	1.3 J	1 UJ	1.1 J
bis(2-ethylhexyl)phthalate	µg/L	1.7	56	40 J	5.1 J	11 J
Di-n-butyl phthalate	µg/L	1 U	220	50 J	43 J	130 J
Butyl benzyl phthalate	µg/L	1 U	2.4	1 UJ	1 UJ	1 UJ
Diethylphthalate	µg/L	1 U	1.9	1 UJ	2.3 J	1 UJ
Dimethyl phthalate	µg/L	1 U	1 U	1 UJ	1 UJ	1 UJ
Di-n-octyl phthalate	µg/L	1 U	1 U	33 J	1 UJ	1 UJ
Pentachlorophenol	µg/L	10 U	640 J	310 J	590 J	480 J
2,4-Dichlorophenol	µg/L	5 U	5 U	5 U	5 U	5 U
2,4,5-Trichlorophenol	µg/L	5 U	5 U	5 U	5 U	5 U
2,4,6-Trichlorophenol	µg/L	5 U	5 U	5 U	5 U	5 U
2-Chlorophenol	µg/L	5 U	5 U	5 U	5 U	5 U
2,4-Dimethylphenol	µg/L	5 U	10	19	37	7.4
2,4-Dinitrophenol	µg/L	10 U	10 U	10 U	10 U	10 U
2,4-Dinitrotoluene	µg/L	1 U	1 U	1 UJ	1 UJ	1 UJ
2,6-Dinitrotoluene	µg/L	2 U	2 U	2 UJ	2 UJ	2 UJ
2-Chloronaphthalene	µg/L	1 U	1 U	1 UJ	1 UJ	1 UJ
2-Methylphenol	µg/L	5 U	17	21	44	9.2
2-Nitroaniline	µg/L	1 U	1 U	1 UJ	1 UJ	1 UJ
2-Nitrophenol	µg/L	10 U	10 U	10 U	10 U	10 U
3,3'-Dichlorobenzidine	µg/L	1 U	1 U	1 UJ	1 UJ	1 UJ

	Event	Terra Vac's Pre Oxy-Vac Pilot Study				
	Location	B-08	B-12	B-31	B-39	B-42
	SampleID	**B-8**	**B-12**	**B-31**	**B-39**	**B-42**
	Depth (bgs)	39.5 - 44.5 ft	10.5 - 13 ft	6.5 - 11.5 ft	5.5 - 11.82 ft	5.75 - 11.75 ft
	Sample Date	06/22/1998	06/22/1998	06/22/1998	06/22/1998	06/22/1998
Semivolatile Organic Compounds						
2-Methylnaphthalene	µg/L	1 U	9.7	1.9 J	1.4 J	1.3 J
3-Nitroaniline	µg/L	1 U	1 U	1 UJ	1 UJ	1 UJ
4,6-Dinitro-o-cresol	µg/L	10 U	10 U	10 U	10 U	10 U
4-Bromophenyl phenyl ether	µg/L	1 U	1 U	1 UJ	1 UJ	1 UJ
4-Chloro-3-methylphenol	µg/L	5 U	5 U	5 U	5 U	5 U
4-Chloroaniline	µg/L	1 U	1 U	1 UJ	1 UJ	1 UJ
4-Chlorophenyl phenyl ether	µg/L	1 U	1 U	1 UJ	1 UJ	1 UJ
4-Methylphenol	µg/L	1 U	14	15	30	1 U
4-Nitroaniline	µg/L	2 U	2 U	2 UJ	2 UJ	2 UJ
4-Nitrophenol	µg/L	10 U	10 U	10 U	10 U	10 U
Aniline	µg/L	1 U	1 U	1 UJ	1 UJ	1 UJ
Benzidine	µg/L	1 U	1 U	1 UJ	1 UJ	1 UJ
Benzoic acid	µg/L	15 U	15 U	85	15 U	15 U
Benzyl alcohol	µg/L	1 U	1 U	12	41	1 U
bis(2-chloroethoxy)methane	µg/L	1 U	1 U	1 UJ	1 UJ	1.3 J
bis(2-chloroethyl)ether	µg/L	1 U	1 U	1 UJ	1 UJ	1 UJ
bis(2-chloroisopropyl)ether	µg/L	1 U	1 U	1 UJ	1 UJ	1 UJ
Carbazole	µg/L	1 U	1 U	1 UJ	1 UJ	1 UJ
Dibenzofuran	µg/L	1 U	7.6	1 UJ	1 UJ	1 UJ
Hexachlorobenzene	µg/L	1 U	1 U	1 UJ	1 UJ	1 UJ
Hexachlorobutadiene	µg/L	50 U	1 U	1 UJ	1 UJ	50 U
Hexachlorocyclopentadiene	µg/L	1 U	1 U	1 UJ	1 UJ	1 UJ
Hexachloroethane	µg/L	1 U	1 U	1 UJ	1 UJ	1 UJ
Isophorone	µg/L	1 U	1 U	1 UJ	1 UJ	1 UJ
Nitrobenzene	µg/L	1 U	1 U	1 UJ	1 UJ	1 UJ
N-Nitroso-di-n-propylamine	µg/L	1 U	1 U	1 UJ	1 UJ	1 UJ
N-Nitrosodiphenylamine	µg/L	1 U	1 U	1 UJ	1 UJ	1 UJ
Phenol	µg/L	5 U	5 U	5 U	5 U	5 U

	Event	Terra Vac's Pre Oxy-Vac Pilot Study				
	Location	B-44	B-47			
	SampleID	**B-44**	**B-47**			
	Depth (bgs)	9.5 - 15.5 ft	6.8 - 12.8 ft			
	Sample Date	06/22/1998	06/22/1998			
Volatile Organic Compounds						
Tetrachloroethene	µg/L	68000 J	58000 J			
Trichloroethene	µg/L	22000 J	18000 J			
cis-1,2-Dichloroethene	µg/L	14000 J	13000 J			
trans-1,2-Dichloroethene	µg/L	96	67			
1,1-Dichloroethene	µg/L	50 U	50 U			
Vinyl chloride	µg/L	290	440			
1,1,1,2-Tetrachloroethane	µg/L	50 U	50 U			
1,1,1-Trichloroethane	µg/L	3200	2500			
1,1,2,2-Tetrachloroethane	µg/L	50 U	50 U			
1,1,2-Trichloroethane	µg/L	50 U	50 U			
1,1-Dichloroethane	µg/L	69	75			
Chloroethane	µg/L	50 U	50 U			
1,1-Dichloropropene	µg/L	50 U	50 U			
1,2,3-Trichlorobenzene	µg/L	50 U	50 U			
1,2,3-Trichloropropane	µg/L	50 U	50 U			
1,2,4-Trichlorobenzene	µg/L	1 U	1 UJ			
1,2-Dibromo-3-chloropropane	µg/L	250 U	250 U			
1,2-Dibromoethane	µg/L	250 U	250 U			
1,2-Dichlorobenzene	µg/L	160	140 J			
1,2-Dichloroethane	µg/L	50 U	50 U			
1,2-Dichloropropane	µg/L	50 U	50 U			
1,3-Dichlorobenzene	µg/L	50 U	1 UJ			
1,3-Dichloropropane	µg/L	50 U	50 U			
1,4-Dichlorobenzene	µg/L	59	200			
2,2-Dichloropropane	µg/L	50 U	50 U			
2-Chlorotoluene	µg/L	50 U	50 U			
4-Chlorotoluene	µg/L	50 U	50 U			
Bromobenzene	µg/L	50 U	50 U			
Bromodichloromethane	µg/L	50 U	50 U			
Bromoform	µg/L	50 U	50 U			
Bromomethane	µg/L	50 U	50 U			
Carbon tetrachloride	µg/L	250 U	250 U			
Chlorobenzene	µg/L	50 U	50 U			
Chloroform	µg/L	50 U	50 U			
Chloromethane	µg/L	50 U	50 U			
cis-1,3-Dichloropropene	µg/L	50 U	50 U			
Dibromochloromethane	µg/L	50 U	50 U			
Dibromomethane	µg/L	50 U	50 U			
Dichlorodifluoromethane	µg/L	50 U	50 U			
Dichloromethane	µg/L	220 UB	100 UB			
trans-1,3-Dichloropropene	µg/L	50 U	50 U			
Trichlorofluoromethane	µg/L	50 U	50 U			
BTEX						
Benzene	µg/L	110	210			
Toluene	µg/L	19000 J	20000 J			
Ethylbenzene	µg/L	1200	2700			
Xylene (meta & para)	µg/L	2900	5300			
Xylene (ortho)	µg/L	1500	2300			

	Event	Terra Vac's Pre Oxy-Vac Pilot Study				
	Location	B-44	B-47			
	SampleID	**B-44**	**B-47**			
	Depth (bgs)	9.5 - 15.5 ft	6.8 - 12.8 ft			
	Sample Date	06/22/1998	06/22/1998			
BTEX						
Xylene (total)	µg/L	4400	7600			
Alkylated Benzenes						
1,3,5-Trimethylbenzene	µg/L	220	400			
n-Propylbenzene	µg/L	75	140			
1,2,4-Trimethylbenzene	µg/L	430	1100			
iso-Propylbenzene	µg/L	63	100			
iso-Propyltoluene	µg/L	50 U	50 U			
n-Butylbenzene	µg/L	50 U	50 U			
sec-Butylbenzene	µg/L	50 U	50 U			
Styrene	µg/L	740	1500			
tert-Butylbenzene	µg/L	50 U	50 U			
Semivolatile Organic Compounds						
Benzo(a)anthracene	µg/L	1 U	1 UJ			
Benzo(a)pyrene	µg/L	1 U	1 UJ			
Benzo(g,h,i)perylene	µg/L	1 U	1 UJ			
Benzo(b)fluoranthene	µg/L	1 U	1 UJ			
Benzo(k)fluoranthene	µg/L	1 U	1 UJ			
Chrysene	µg/L	1 U	1 UJ			
Dibenzo(a,h)anthracene	µg/L	1 U	1 UJ			
Fluoranthene	µg/L	1 U	1 UJ			
Indeno(1,2,3-cd)pyrene	µg/L	1 U	1 UJ			
Pyrene	µg/L	1 U	1 UJ			
Acenaphthene	µg/L	1.4	1 UJ			
Acenaphthylene	µg/L	1 U	1 UJ			
Anthracene	µg/L	1 U	1 UJ			
Fluorene	µg/L	1 U	1 UJ			
Naphthalene	µg/L	6700	13 J			
Phenanthrene	µg/L	1 U	1.1 J			
bis(2-ethylhexyl)phthalate	µg/L	2.6	32 J			
Di-n-butyl phthalate	µg/L	32	190 J			
Butyl benzyl phthalate	µg/L	1 U	1.1 J			
Diethylphthalate	µg/L	5.2	1.9 J			
Dimethyl phthalate	µg/L	1 U	1 UJ			
Di-n-octyl phthalate	µg/L	1 U	1 UJ			
Pentachlorophenol	µg/L	600 J	460 J			
2,4-Dichlorophenol	µg/L	5 U	5 U			
2,4,5-Trichlorophenol	µg/L	5 U	5 U			
2,4,6-Trichlorophenol	µg/L	5 U	5 U			
2-Chlorophenol	µg/L	5 U	5 U			
2,4-Dimethylphenol	µg/L	35	5 U			
2,4-Dinitrophenol	µg/L	10 U	10 U			
2,4-Dinitrotoluene	µg/L	1 U	1 UJ			
2,6-Dinitrotoluene	µg/L	2 U	2 UJ			
2-Chloronaphthalene	µg/L	1 U	1 UJ			
2-Methylphenol	µg/L	65	19			
2-Nitroaniline	µg/L	1 U	1 UJ			
2-Nitrophenol	µg/L	10 U	10 U			
3,3'-Dichlorobenzidine	µg/L	1 U	1 UJ			

	Event	Terra Vac's Pre Oxy-Vac Pilot Study				
	Location	B-44	B-47			
	SampleID	**B-44**	**B-47**			
	Depth (bgs)	9.5 - 15.5 ft	6.8 - 12.8 ft			
	Sample Date	06/22/1998	06/22/1998			
Semivolatile Organic Compounds						
2-Methylnaphthalene	µg/L	3.3	1.4 J			
3-Nitroaniline	µg/L	1 U	1 UJ			
4,6-Dinitro-o-cresol	µg/L	10 U	10 U			
4-Bromophenyl phenyl ether	µg/L	1 U	1 UJ			
4-Chloro-3-methylphenol	µg/L	5 U	5 U			
4-Chloroaniline	µg/L	1 U	3.3 J			
4-Chlorophenyl phenyl ether	µg/L	1 U	1 UJ			
4-Methylphenol	µg/L	47	16			
4-Nitroaniline	µg/L	2 U	2 UJ			
4-Nitrophenol	µg/L	10 U	10 U			
Aniline	µg/L	1 U	1 UJ			
Benzidine	µg/L	1 U	1 UJ			
Benzoic acid	µg/L	15 U	15 U			
Benzyl alcohol	µg/L	1 U	1 U			
bis(2-chloroethoxy)methane	µg/L	1 U	1 UJ			
bis(2-chloroethyl)ether	µg/L	1 U	1 UJ			
bis(2-chloroisopropyl)ether	µg/L	1 U	1 UJ			
Carbazole	µg/L	1 U	1 UJ			
Dibenzofuran	µg/L	1 U	1 UJ			
Hexachlorobenzene	µg/L	1 U	1 UJ			
Hexachlorobutadiene	µg/L	50 U	1 UJ			
Hexachlorocyclopentadiene	µg/L	1 U	1 UJ			
Hexachloroethane	µg/L	1 U	1 UJ			
Isophorone	µg/L	1 U	1 UJ			
Nitrobenzene	µg/L	1 U	1 UJ			
N-Nitroso-di-n-propylamine	µg/L	1 U	1 UJ			
N-Nitrosodiphenylamine	µg/L	1 U	1 UJ			
Phenol	µg/L	5 U	5 U			

	Event	Hart Crowser's Othello Warehouse VCP Report				
	Location	HC-1	HC-1	HC-1	HC-2	HC-2
	SampleID	**HC-1**	**HC-1**	**HC-1**	**HC-2**	**HC-2**
	Depth (bgs)	9 - 16 ft	9 - 16 ft	9 - 16 ft	11 - 15 ft	11 - 15 ft
	Sample Date	12/12/1997	02/02/1998	03/03/1998	12/12/1997	02/02/1998
Volatile Organic Compounds						
Tetrachloroethene	µg/L	1 U	1 U	1 U	1 U	1 U
Trichloroethene	µg/L	1 U	1 U	1 U	1 U	1 U
cis-1,2-Dichloroethene	µg/L	1 U	1 U	1 U	1 U	1 U
trans-1,2-Dichloroethene	µg/L	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethene	µg/L	1 U	1 U	1 U	1 U	1 U
Vinyl chloride	µg/L	1 U	1 U	1 U	1 U	1 U
1,1,1,2-Tetrachloroethane	µg/L	1 U	1 U	1 U	1 U	1 U
1,1,1-Trichloroethane	µg/L	1 U	1 U	1 U	1 U	1 U
1,1,2,2-Tetrachloroethane	µg/L	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichloroethane	µg/L	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	µg/L	1 U	1 U	1 U	1 U	1 U
Chloroethane	µg/L	1 U	1 U	1 U	1 U	1 U
1,1-Dichloropropene	µg/L	1 U	1 U	1 U	1 U	1 U
1,2,3-Trichlorobenzene	µg/L	1 U	1 U	1 U	1 U	1 U
1,2,3-Trichloropropane	µg/L	1 U	1 U	1 U	1 U	1 U
1,2,4-Trichlorobenzene	µg/L	1 U	1 U	1 U	1 U	1 U
1,2-Dibromo-3-chloropropane	µg/L	5 U	5 U	5 U	5 U	5 U
1,2-Dibromoethane	µg/L	1 U	1 U	1 U	1 U	1 U
1,2-Dichlorobenzene	µg/L	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethane	µg/L	1 U	1 U	1 U	1 U	1 U
1,2-Dichloropropane	µg/L	1 U	1 U	1 U	1 U	1 U
1,3-Dichlorobenzene	µg/L	1 U	1 U	1 U	1 U	1 U
1,3-Dichloropropane	µg/L	1 U	1 U	1 U	1 U	1 U
1,4-Dichlorobenzene	µg/L	1 U	1 U	1 U	1 U	1 U
2,2-Dichloropropane	µg/L	1 U	1 U	1 U	1 U	1 U
2-Chlorotoluene	µg/L	1 U	1 U	1 U	1 U	1 U
2-Hexanone	µg/L	10 U	10 U	10 U	10 U	10 U
4-Chlorotoluene	µg/L	1 U	1 U	1 U	1 U	1 U
Acetone	µg/L	10 U	10 U	10 U	10 U	10 U
Bromobenzene	µg/L	1 U	1 U	1 U	1 U	1 U
Bromochloromethane	µg/L	1 U	1 U	1 U	1 U	1 U
Bromodichloromethane	µg/L	1 U	1 U	1 U	1 U	1 U
Bromoform	µg/L	1 U	1 U	1 U	1 U	1 U
Bromomethane	µg/L	1 U	1 U	1 U	1 U	1 U
Carbon disulfide	µg/L	1 U	1 U	1 U	1.96	1 U
Carbon tetrachloride	µg/L	1 U	1 U	1 U	1 U	1 U
Chlorobenzene	µg/L	1 U	1 U	1 U	1 U	1 U
Chloroform	µg/L	1 U	1 U	1 U	1 U	1 U
Chloromethane	µg/L	1 U	1 U	1 U	1 U	1 U
cis-1,3-Dichloropropene	µg/L	1 U	1 U	1 U	1 U	1 U
Dibromochloromethane	µg/L	1 U	1 U	1 U	1 U	1 U
Dibromomethane	µg/L	1 U	1 U	1 U	1 U	1 U
Dichlorodifluoromethane	µg/L	1 U	1 U	1 U	1 U	1 U
Dichloromethane	µg/L	5 U	5 U	5 U	5 U	5 U
Methyl ethyl ketone	µg/L	10 U	10 U	10 U	10 U	10 U
Methyl iso butyl ketone	µg/L	10 U	10 U	10 U	10 U	10 U
trans-1,3-Dichloropropene	µg/L	1 U	1 U	1 U	1 U	1 U
Trichlorofluoromethane	µg/L	1 U	1 U	1 U	1 U	1 U

	Event	**Hart Crowser's Othello Warehouse VCP Report**				
	Location	HC-1	HC-1	HC-1	HC-2	HC-2
	SampleID	**HC-1**	**HC-1**	**HC-1**	**HC-2**	**HC-2**
	Depth (bgs)	9 - 16 ft	9 - 16 ft	9 - 16 ft	11 - 15 ft	11 - 15 ft
	Sample Date	12/12/1997	02/02/1998	03/03/1998	12/12/1997	02/02/1998
Total Petroleum Hydrocarbons						
Diesel	µg/L	250 U	250 U	250 U	250 U	250 U
Diesel #2	µg/L	0.25 U	250 U	250 U	250 U	250 U
Fuel Oil #2	µg/L	500 U	500 U	500 U	500 U	500 U
Fuel Oil #6	µg/L	500 U	500 U	500 U	500 U	500 U
Gasoline Range Hydrocarbons	µg/L	250 U	50 U	50 U	50 U	250 U
Aviation Gasoline	µg/L	50 U	50 U	50 U	50 U	50 U
Weathered Gasoline	µg/L	50 U	50 U	50 U	50 U	50 U
Heavy Oil	µg/L	500 U	0.75 U	0.75 U	0.82	500 U
Heavy Fuel Oil	µg/L	500 U	500 U	500 U	500 U	500 U
Hydraulic Oil	µg/L	500 U	500 U	500 U	500 U	500 U
Insulating Oil	µg/L	500 U	500 U	500 U	500 U	500 U
Lube Oil	µg/L	500 U	500 U	500 U	500 U	500 U
Motor Oil	µg/L	500 U	500 U	500 U	500 U	500 U
Transformer Oil	µg/L	500 U	500 U	500 U	500 U	500 U
Kerosene	µg/L	250 U	250 U	250 U	250 U	250 U
Mineral Spirits	µg/L	50 U	50 U	50 U	50 U	50 U
VM & P Naptha	µg/L	50 U	50 U	50 U	50 U	50 U
BTEX						
Benzene	µg/L	1 U	1 U	1 U	1 U	1 U
Toluene	µg/L	1 U	1 U	1 U	1 U	1 U
Ethylbenzene	µg/L	1 U	1 U	1 U	1 U	1 U
Xylene (meta & para)	µg/L	2 U	2 U	2 U	2 U	2 U
Xylene (ortho)	µg/L	1 U	1 U	1 U	1 U	1 U
Xylene (total)	µg/L	2 U	2 U	2 U	2 U	2 U
Alkylated Benzenes						
1,3,5-Trimethylbenzene	µg/L	1 U	1 U	1 U	1 U	1 U
n-Propylbenzene	µg/L	1 U	1 U	1 U	1 U	1 U
1,2,4-Trimethylbenzene	µg/L	1 U	1 U	1 U	1 U	1 U
iso-Propylbenzene	µg/L	1 U	1 U	1 U	1 U	1 U
iso-Propyltoluene	µg/L	1 U	1 U	1 U	1 U	1 U
n-Butylbenzene	µg/L	1 U	1 U	1 U	1 U	1 U
sec-Butylbenzene	µg/L	1 U	1 U	1 U	1 U	1 U
Styrene	µg/L	1 U	1 U	1 U	1 U	1 U
tert-Butylbenzene	µg/L	1 U	1 U	1 U	1 U	1 U
Semivolatile Organic Compounds						
Naphthalene	µg/L	1 U	1 U	1 U	1 U	1 U
Pentachlorophenol	µg/L	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Hexachlorobutadiene	µg/L	1 U	1 U	1 U	1 U	1 U
Dissolved Metals						
Copper	mg/L	0.00269	0.00269	0.00204	0.00205	0.00172
Conventionals						
Total Suspended Solids	mg/L	41	5 U	5 U	0.005 U	77

	Event	Hart Crowser's Othello Warehouse VCP Report				
	Location	HC-2				
	SampleID	**HC-2**				
	Depth (bgs)	11 - 15 ft				
	Sample Date	03/03/1998				
Volatile Organic Compounds						
Tetrachloroethene	µg/L	1 U				
Trichloroethene	µg/L	1 U				
cis-1,2-Dichloroethene	µg/L	1 U				
trans-1,2-Dichloroethene	µg/L	1 U				
1,1-Dichloroethene	µg/L	1 U				
Vinyl chloride	µg/L	1 U				
1,1,1,2-Tetrachloroethane	µg/L	1 U				
1,1,1-Trichloroethane	µg/L	1 U				
1,1,2,2-Tetrachloroethane	µg/L	1 U				
1,1,2-Trichloroethane	µg/L	1 U				
1,1-Dichloroethane	µg/L	1 U				
Chloroethane	µg/L	1 U				
1,1-Dichloropropene	µg/L	1 U				
1,2,3-Trichlorobenzene	µg/L	1 U				
1,2,3-Trichloropropane	µg/L	1 U				
1,2,4-Trichlorobenzene	µg/L	1 U				
1,2-Dibromo-3-chloropropane	µg/L	5 U				
1,2-Dibromoethane	µg/L	1 U				
1,2-Dichlorobenzene	µg/L	1 U				
1,2-Dichloroethane	µg/L	1 U				
1,2-Dichloropropane	µg/L	1 U				
1,3-Dichlorobenzene	µg/L	1 U				
1,3-Dichloropropane	µg/L	1 U				
1,4-Dichlorobenzene	µg/L	1 U				
2,2-Dichloropropane	µg/L	1 U				
2-Chlorotoluene	µg/L	1 U				
2-Hexanone	µg/L	10 U				
4-Chlorotoluene	µg/L	1 U				
Acetone	µg/L	10 U				
Bromobenzene	µg/L	1 U				
Bromochloromethane	µg/L	1 U				
Bromodichloromethane	µg/L	1 U				
Bromoform	µg/L	1 U				
Bromomethane	µg/L	1 U				
Carbon disulfide	µg/L	1 U				
Carbon tetrachloride	µg/L	1 U				
Chlorobenzene	µg/L	1 U				
Chloroform	µg/L	1 U				
Chloromethane	µg/L	1 U				
cis-1,3-Dichloropropene	µg/L	1 U				
Dibromochloromethane	µg/L	1 U				
Dibromomethane	µg/L	1 U				
Dichlorodifluoromethane	µg/L	1 U				
Dichloromethane	µg/L	5 U				
Methyl ethyl ketone	µg/L	1 U				
Methyl iso butyl ketone	µg/L	10 U				
trans-1,3-Dichloropropene	µg/L	1 U				
Trichlorofluoromethane	µg/L	1 U				

		Event	Hart Crowser's Othello Warehouse VCP Report				
		Location	HC-2				
		SampleID	**HC-2**				
		Depth (bgs)	11 - 15 ft				
		Sample Date	03/03/1998				
Total Petroleum Hydrocarbons							
	Diesel	µg/L	250 U				
	Diesel #2	µg/L	250 U				
	Fuel Oil #2	µg/L	500 U				
	Fuel Oil #6	µg/L	500 U				
	Gasoline Range Hydrocarbons	µg/L	50 U				
	Aviation Gasoline	µg/L	50 U				
	Weathered Gasoline	µg/L	50 U				
	Heavy Oil	µg/L	0.82				
	Heavy Fuel Oil	µg/L	500 U				
	Hydraulic Oil	µg/L	500 U				
	Insulating Oil	µg/L	500 U				
	Lube Oil	µg/L	500 U				
	Motor Oil	µg/L	500 U				
	Transformer Oil	µg/L	500 U				
	Kerosene	µg/L	250 U				
	Mineral Spirits	µg/L	50 U				
	VM & P Naptha	µg/L	50 U				
BTEX							
	Benzene	µg/L	1 U				
	Toluene	µg/L	1 U				
	Ethylbenzene	µg/L	1 U				
	Xylene (meta & para)	µg/L	2 U				
	Xylene (ortho)	µg/L	1 U				
	Xylene (total)	µg/L	2 U				
Alkylated Benzenes							
	1,3,5-Trimethylbenzene	µg/L	1 U				
	n-Propylbenzene	µg/L	1 U				
	1,2,4-Trimethylbenzene	µg/L	1 U				
	iso-Propylbenzene	µg/L	1 U				
	iso-Propyltoluene	µg/L	1 U				
	n-Butylbenzene	µg/L	1 U				
	sec-Butylbenzene	µg/L	1 U				
	Styrene	µg/L	1 U				
	tert-Butylbenzene	µg/L	1 U				
Semivolatile Organic Compounds							
	Naphthalene	µg/L	1 U				
	Pentachlorophenol	µg/L	0.1 U				
	Hexachlorobutadiene	µg/L	1 U				
Dissolved Metals							
	Copper	mg/L	0.00182				
Conventionals							
	Total Suspended Solids	mg/L	77				

	Event	Terra Vac's Annual Monitoring (1997)				
	Location	B-08	B-08	B-09	B-10A	B-12
	SampleID	**B-8**	**B-101 (B-8 DUP)**	**B-9**	**B-10A**	**B-12**
	Depth (bgs)	39.5 - 44.5 ft	39.5 - 44.5 ft	38.5 - 43.5 ft	9.5 - 14.5 ft	10.5 - 13 ft
	Sample Date	10/24/1997	10/24/1997	10/24/1997	10/24/1997	12/19/1997
Volatile Organic Compounds						
Tetrachloroethene	µg/L	360		54	63	96000
Trichloroethene	µg/L	1500		12	170	9900
1,2-Dichloroethene (total)	µg/L	12000		47	39000	11000
1,1-Dichloroethene	µg/L	5		1 U	18	50 U
Vinyl chloride	µg/L	4		1 U	750	600
1,1,1-Trichloroethane	µg/L	1 U		1 U	7	1000
1,1,2,2-Tetrachloroethane	µg/L	1 U		1 U	1 U	50 U
1,1,2-Trichloroethane	µg/L	1 U		1 U	1	50 U
1,1-Dichloroethane	µg/L	7		1 U	86	70
Chloroethane	µg/L	1 U		1 U	1 U	50 U
1,2,4-Trichlorobenzene	µg/L	9 U	9 U			9 U
1,2-Dichlorobenzene	µg/L	2 J	2 J			250
1,2-Dichloroethane	µg/L	1 U		27	31	50 U
1,2-Dichloropropane	µg/L	1 U		1 U	62	50 U
1,3-Dichlorobenzene	µg/L	9 U	9 U			8 J
1,4-Dichlorobenzene	µg/L	1 J	1 J			50
2-Hexanone	µg/L	10 U		10 U	10 U	500 U
Acetone	µg/L	10 U		11	10	500 U
Bromodichloromethane	µg/L	1 U		1 U	1 U	50 U
Bromoform	µg/L	5 U		5 U	5 U	250 U
Bromomethane	µg/L	10 U		10 U	10 U	500 U
Carbon disulfide	µg/L	10 U		10 U	31	500 U
Carbon tetrachloride	µg/L	1 U		1 U	1 U	50 U
Chlorobenzene	µg/L	1 U		1 U	1 U	50 U
Chloroform	µg/L	1 U		1 U	1 U	50 U
Chloromethane	µg/L	10 U		10 U	10 U	500 U
cis-1,3-Dichloropropene	µg/L	1 U		1 U	1 U	50 U
Dibromochloromethane	µg/L	1 U		1 U	1 U	50 U
Dichloromethane	µg/L	5 U		5 U	5 U	250 U
Methyl ethyl ketone	µg/L	10 U		10 U	10 U	500 U
Methyl iso butyl ketone	µg/L	10 U		10 U	10 U	500 U
trans-1,3-Dichloropropene	µg/L	1 U		1 U	1 U	50 U
Vinyl acetate	µg/L	10 U		10 U	10 U	500 U
BTEX						
Benzene	µg/L	3		1 U	65	79
Toluene	µg/L	1		1 U	390	4900
Ethylbenzene	µg/L	14		1 U	970	650
Xylene (total)	µg/L	1		1 U	2500	1700
Alkylated Benzenes						
Styrene	µg/L	1 U		1 U	1 U	50 U
Semivolatile Organic Compounds						
Benzo(a)anthracene	µg/L	9 U	9 U			2 J
Benzo(a)pyrene	µg/L	9 U	9 U			1 J
Benzo(g,h,i)perylene	µg/L	9 U	9 U			1 J
Benzo(b)fluoranthene	µg/L	9 U	9 U			
Benzo(k)fluoranthene	µg/L	9 U	9 U			
Benzofluoranthenes (total)	µg/L					2
Chrysene	µg/L	9 U	9 U			2 J

	Event	Terra Vac's Annual Monitoring (1997)				
	Location	B-08	B-08	B-09	B-10A	B-12
	SampleID	**B-8**	**B-101 (B-8 DUP)**	**B-9**	**B-10A**	**B-12**
	Depth (bgs)	39.5 - 44.5 ft	39.5 - 44.5 ft	38.5 - 43.5 ft	9.5 - 14.5 ft	10.5 - 13 ft
	Sample Date	10/24/1997	10/24/1997	10/24/1997	10/24/1997	12/19/1997
Semivolatile Organic Compounds						
Dibenzo(a,h)anthracene	µg/L	9 U	9 U			9 U
Fluoranthene	µg/L	9 U	9 U			9 J
Indeno(1,2,3-cd)pyrene	µg/L	9 U	9 U			9 U
Pyrene	µg/L	9 U	9 U			5 J
Acenaphthene	µg/L	9 U	9 U			9 U
Acenaphthylene	µg/L	9 U	1 J			6 J
Anthracene	µg/L	9 U	9 U			2 J
Fluorene	µg/L	9 U	9 U			4 J
Naphthalene	µg/L	1 J	1 J			23
Phenanthrene	µg/L	9 U	9 U			15
bis(2-ethylhexyl)phthalate	µg/L	10 UB	10 UB			21 UB
Di-n-butyl phthalate	µg/L	9 U	9 U			70
Butyl benzyl phthalate	µg/L	9 U	9 U			1 J
Diethylphthalate	µg/L	9 U	9 U			5 J
Dimethyl phthalate	µg/L	9 U	9 U			9 U
Di-n-octyl phthalate	µg/L	9 U	9 U			9 U
Pentachlorophenol	µg/L	2 J	2 J		16 J	140
Tetrachlorophenols (total)	µg/L				10 UJ	
2,4-Dichlorophenol	µg/L	9 U	9 U		25 UJ	9 U
2,4,5-Trichlorophenol	µg/L	47 U	47 U		10 UJ	47 U
2,4,6-Trichlorophenol	µg/L	9 U	9 U		10 UJ	9 U
2-Chlorophenol	µg/L	9 U	9 U			9 U
2,4-Dimethylphenol	µg/L	9 U	9 U			35
2,4-Dinitrophenol	µg/L	47 U	47 U			47 U
2,4-Dinitrotoluene	µg/L	9 U	9 U			9 U
2,6-Dinitrotoluene	µg/L	9 U	9 U			9 U
2-Chloronaphthalene	µg/L	9 U	9 U			9 U
2-Methylphenol	µg/L	9 U	9 U			140
2-Nitroaniline	µg/L	47 U	47 U			47 U
2-Nitrophenol	µg/L	9 U	9 U			9 U
3,3'-Dichlorobenzidine	µg/L	47 U	47 U			47 U
3-Methylphenol	µg/L					130
2-Methylnaphthalene	µg/L	9 U	9 U			4 J
3-Nitroaniline	µg/L	47 U	47 U			47 U
4,6-Dinitro-o-cresol	µg/L	47 U	47 U			47 U
4-Bromophenyl phenyl ether	µg/L	9 U	9 U			9 U
4-Chloro-3-methylphenol	µg/L	9 U	9 U			9 U
4-Chloroaniline	µg/L	9 U	9 U			9 U
4-Chlorophenyl phenyl ether	µg/L	9 U	9 U			9 U
4-Methylphenol	µg/L	9 U	9 U			
4-Nitroaniline	µg/L	47 U	47 U			47 U
4-Nitrophenol	µg/L	47 U	47 U			47 U
Aniline	µg/L	9 U	9 U			9 U
Benzidine	µg/L	94 U	94 U			94 U
Benzoic acid	µg/L	1 J	47 U			50
Benzyl alcohol	µg/L	9 U	9 U			9 U
bis(2-chloroethoxy)methane	µg/L	9 U	9 U			9 U
bis(2-chloroethyl)ether	µg/L	9 U	9 U			9 U

	Event	Terra Vac's Annual Monitoring (1997)				
	Location	B-08	B-08	B-09	B-10A	B-12
	SampleID	**B-8**	**B-101 (B-8 DUP)**	**B-9**	**B-10A**	**B-12**
	Depth (bgs)	39.5 - 44.5 ft	39.5 - 44.5 ft	38.5 - 43.5 ft	9.5 - 14.5 ft	10.5 - 13 ft
	Sample Date	10/24/1997	10/24/1997	10/24/1997	10/24/1997	12/19/1997
Semivolatile Organic Compounds						
bis(2-chloroisopropyl)ether	µg/L	9 U	9 U			
bis-chloroisopropyl ether	µg/L					9 U
Dibenzofuran	µg/L	1 J	9 U			3 J
Hexachlorobenzene	µg/L	9 U	9 U			9 U
Hexachlorobutadiene	µg/L	9 U	9 U			9 U
Hexachlorocyclopentadiene	µg/L	9 U	9 U			9 U
Hexachloroethane	µg/L	9 U	9 U			9 U
Isophorone	µg/L	9 U	9 U			9 U
Nitrobenzene	µg/L	9 U	9 U			9 U
N-Nitrosodimethylamine	µg/L	9 U	9 U			9 U
N-Nitroso-di-n-propylamine	µg/L	9 U	9 U			9 U
N-Nitrosodiphenylamine	µg/L	9 U	9 U			9 U
Phenol	µg/L	9 U	9 U			22
Conventionals						
Total Organic Carbon	mg/L	7.7				

	Event	Terra Vac's Annual Monitoring (1997)				
	Location	B-20	B-21	B-21	B-24	B-25
	SampleID	**B-20**	**B-21**	**B-100 (B-21 DUP)**	**B-24**	**B-25**
	Depth (bgs)	6 - 16 ft	38 - 43 ft	38 - 43 ft	6 - 16 ft	27 - 37 ft
	Sample Date	10/24/1997	10/24/1997	10/24/1997	10/24/1997	10/24/1997
Volatile Organic Compounds						
Tetrachloroethene	µg/L	260	31	50 U	1 U	4
Trichloroethene	µg/L	110	5	50 U	1 U	1 U
1,2-Dichloroethene (total)	µg/L	1100	41000	35000	1 U	1 U
1,1-Dichloroethene	µg/L	3	37	50 U	1 U	1 U
Vinyl chloride	µg/L	74	19000	15000	1 U	1 U
1,1,1-Trichloroethane	µg/L	69	1 U	50 U	1 U	1 U
1,1,2,2-Tetrachloroethane	µg/L	1 U	1 U	50 U	1 U	1 U
1,1,2-Trichloroethane	µg/L	1 U	4	50 U	1 U	1 U
1,1-Dichloroethane	µg/L	4	150	140	1 U	1 U
Chloroethane	µg/L	1 U	1 U	50 U	1 U	1 U
1,2,4-Trichlorobenzene	µg/L				9 U	9 U
1,2-Dichlorobenzene	µg/L				9 U	9 U
1,2-Dichloroethane	µg/L	1 U	1 U	50 U	1 U	1 U
1,2-Dichloropropane	µg/L	1 U	1 U	50 U	1 U	1 U
1,3-Dichlorobenzene	µg/L				9 U	9 U
1,4-Dichlorobenzene	µg/L				9 U	9 U
2-Hexanone	µg/L	10 U	10 U	500 U	10 U	10 U
Acetone	µg/L	10 U	25	500 U	10 U	10 U
Bromodichloromethane	µg/L	1 U	1 U	50 U	1 U	1 U
Bromoform	µg/L	5 U	5 U	250 U	5 U	5 U
Bromomethane	µg/L	10 U	10 U	500 U	10 U	10 U
Carbon disulfide	µg/L	10 U	10 U	500 U	10 U	10 U
Carbon tetrachloride	µg/L	1 U	1 U	50 U	1 U	1 U
Chlorobenzene	µg/L	1 U	1 U	50 U	1 U	1 U
Chloroform	µg/L	8	1 U	50 U	1 U	1 U
Chloromethane	µg/L	10 U	10 U	500 U	10 U	10 U
cis-1,3-Dichloropropene	µg/L	1 U	1 U	50 U	1 U	1 U
Dibromochloromethane	µg/L	1 U	1 U	50 U	1 U	1 U
Dichloromethane	µg/L	5 U	5 U	250 U	5 U	5 U
Methyl ethyl ketone	µg/L	10 U	10 U	500 U	10 U	10 U
Methyl iso butyl ketone	µg/L	10 U	10 U	500 U	10 U	10 U
trans-1,3-Dichloropropene	µg/L	1 U	1 U	50 U	1 U	1 U
Vinyl acetate	µg/L	10 U	10 U	500 U	10 U	10 U
BTEX						
Benzene	µg/L	1	40	50 U	2	1 U
Toluene	µg/L	28	1400	1500	1 U	1 U
Ethylbenzene	µg/L	5	770	860	1 U	1 U
Xylene (total)	µg/L	12	790	910	1 U	1 U
Alkylated Benzenes						
Styrene	µg/L	1 U	1 U	50 U	1 U	1 U
Semivolatile Organic Compounds						
Benzo(a)anthracene	µg/L				9 U	9 U
Benzo(a)pyrene	µg/L				9 U	9 U
Benzo(g,h,i)perylene	µg/L				9 U	9 U
Benzo(b)fluoranthene	µg/L				9 U	9 U
Benzo(k)fluoranthene	µg/L				9 U	9 U
Chrysene	µg/L				9 U	9 U
Dibenzo(a,h)anthracene	µg/L				9 U	9 U

	Event	Terra Vac's Annual Monitoring (1997)				
	Location	B-20	B-21	B-21	B-24	B-25
	SampleID	**B-20**	**B-21**	**B-100 (B-21 DUP)**	**B-24**	**B-25**
	Depth (bgs)	6 - 16 ft	38 - 43 ft	38 - 43 ft	6 - 16 ft	27 - 37 ft
	Sample Date	10/24/1997	10/24/1997	10/24/1997	10/24/1997	10/24/1997
Semivolatile Organic Compounds						
Fluoranthene	µg/L				9 U	9 U
Indeno(1,2,3-cd)pyrene	µg/L				9 U	9 U
Pyrene	µg/L				9 U	9 U
Acenaphthene	µg/L				9 U	9 U
Acenaphthylene	µg/L				9 U	9 U
Anthracene	µg/L				9 U	9 U
Fluorene	µg/L				9 U	9 U
Naphthalene	µg/L				1 J	9 U
Phenanthrene	µg/L				9 U	9 U
bis(2-ethylhexyl)phthalate	µg/L				1 U	4 U
Di-n-butyl phthalate	µg/L				9 U	9 U
Butyl benzyl phthalate	µg/L				9 U	9 U
Diethylphthalate	µg/L				9 U	9 U
Dimethyl phthalate	µg/L				9 U	9 U
Di-n-octyl phthalate	µg/L				9 U	9 U
Pentachlorophenol	µg/L	20 J	1.1 J	0.53 J	0.03 J	0.07 J
Tetrachlorophenols (total)	µg/L	10 UJ	0.47 UJ	0.19 UJ	0.09 UJ	0.09 UJ
2,4-Dichlorophenol	µg/L	25 UJ	3.1 J	4.1 J	0.24 UJ	0.24 UJ
2,4,5-Trichlorophenol	µg/L	10 UJ	0.47 UJ	0.19 UJ	47 U	0.09 UJ
2,4,6-Trichlorophenol	µg/L	10 UJ	0.47 UJ	0.19 UJ	0.09 UJ	0.09 UJ
2-Chlorophenol	µg/L				9 U	9 U
2,4-Dimethylphenol	µg/L				9 U	9 U
2,4-Dinitrophenol	µg/L				47 U	47 U
2,4-Dinitrotoluene	µg/L				9 U	9 U
2,6-Dinitrotoluene	µg/L				9 U	9 U
2-Chloronaphthalene	µg/L				9 U	9 U
2-Methylphenol	µg/L				9 U	9 U
2-Nitroaniline	µg/L				47 U	47 U
2-Nitrophenol	µg/L				9 U	9 U
3,3'-Dichlorobenzidine	µg/L				47 U	47 U
2-Methylnaphthalene	µg/L				9 U	9 U
3-Nitroaniline	µg/L				47 U	47 U
4,6-Dinitro-o-cresol	µg/L				47 U	47 U
4-Bromophenyl phenyl ether	µg/L				9 U	9 U
4-Chloro-3-methylphenol	µg/L				9 U	9 U
4-Chloroaniline	µg/L				9 U	9 U
4-Chlorophenyl phenyl ether	µg/L				9 U	9 U
4-Methylphenol	µg/L				9 U	9 U
4-Nitroaniline	µg/L				47 U	47 U
4-Nitrophenol	µg/L				47 U	47 U
Aniline	µg/L				9 U	9 U
Benzidine	µg/L				94 U	94 U
Benzoic acid	µg/L				1 J	47 U
Benzyl alcohol	µg/L				9 U	9 U
bis(2-chloroethoxy)methane	µg/L				9 U	9 U
bis(2-chloroethyl)ether	µg/L				9 U	9 U
bis(2-chloroisopropyl)ether	µg/L				9 U	9 U
Dibenzofuran	µg/L				9 U	9 U

	Event	Terra Vac's Annual Monitoring (1997)				
	Location	B-20	B-21	B-21	B-24	B-25
	SampleID	**B-20**	**B-21**	**B-100 (B-21 DUP)**	**B-24**	**B-25**
	Depth (bgs)	6 - 16 ft	38 - 43 ft	38 - 43 ft	6 - 16 ft	27 - 37 ft
	Sample Date	10/24/1997	10/24/1997	10/24/1997	10/24/1997	10/24/1997
Semivolatile Organic Compounds						
Hexachlorobenzene	µg/L				9 U	9 U
Hexachlorobutadiene	µg/L				9 U	9 U
Hexachlorocyclopentadiene	µg/L				9 U	9 U
Hexachloroethane	µg/L				9 U	9 U
Isophorone	µg/L				9 U	9 U
Nitrobenzene	µg/L				9 U	9 U
N-Nitrosodimethylamine	µg/L				9 U	9 U
N-Nitroso-di-n-propylamine	µg/L				9 U	9 U
N-Nitrosodiphenylamine	µg/L				9 U	9 U
Phenol	µg/L				9 U	9 U
Conventionals						
Total Organic Carbon	mg/L				6.8	13

	Event	Terra Vac's Annual Monitoring (1997)				
	Location	B-26	B-27	B-31	B-31	B-33A
	SampleID	**B-26**	**B-27**	**B-31**	**B-31**	**B-33A**
	Depth (bgs)	8.5 - 13.25 ft	42.5 - 47.5 ft	6.5 - 11.5 ft	6.5 - 11.5 ft	28 - 38 ft
	Sample Date	10/24/1997	10/24/1997	10/24/1997	12/19/1997	10/24/1997
Volatile Organic Compounds						
Tetrachloroethene	µg/L	8	12	17000	17000	50 U
Trichloroethene	µg/L	10	1 U	22000	22000	50 U
1,2-Dichloroethene (total)	µg/L	69	1	890	3000	37000
1,1-Dichloroethene	µg/L	1 U	1 U	50 U	50 U	160
Vinyl chloride	µg/L	1 U	3	50 U	50 U	5100
1,1,1-Trichloroethane	µg/L	1 U	1 U	1000	1000	50 U
1,1,2,2-Tetrachloroethane	µg/L	1 U	1 U	50 U	100 U	50 U
1,1,2-Trichloroethane	µg/L	1 U	1 U	50 U	50 U	50 U
1,1-Dichloroethane	µg/L	1 U	1 U	50 U	100 U	75
Chloroethane	µg/L	1 U	1 U	50 U	100 U	50 U
1,2,4-Trichlorobenzene	µg/L			94 U	94 U	
1,2-Dichlorobenzene	µg/L			13 J	13 J	
1,2-Dichloroethane	µg/L	1 U	1 U	100 U	50 U	50 U
1,2-Dichloropropane	µg/L	1 U	1 U	100 U	100 U	50 U
1,3-Dichlorobenzene	µg/L			9 U	9 U	
1,4-Dichlorobenzene	µg/L			9 U	94 U	
2-Hexanone	µg/L	10 U	10 U	500 U	1000 U	500 U
Acetone	µg/L	10 U	10 U	3700	3700	500 U
Bromodichloromethane	µg/L	1 U	1 U	50 U	100 U	50 U
Bromoform	µg/L	5 U	5 U	250 U	250 U	250 U
Bromomethane	µg/L	10 U	10 U	1000 U	500 U	500 U
Carbon disulfide	µg/L	10 U	10 U	1000 U	500 U	500 U
Carbon tetrachloride	µg/L	1 U	1 U	100 U	50 U	50 U
Chlorobenzene	µg/L	1 U	1 U	50 U	100 U	50 U
Chloroform	µg/L	3	1 U	50 U	50 U	50 U
Chloromethane	µg/L	10 U	10 U	1000 U	1000 U	500 U
cis-1,3-Dichloropropene	µg/L	1 U	1 U	100 U	100 U	50 U
Dibromochloromethane	µg/L	1 U	1 U	100 U	50 U	50 U
Dichloromethane	µg/L	5 U	5 U	500 U	500 U	250 U
Methyl ethyl ketone	µg/L	10 U	10 U	1000 U	500 U	500 U
Methyl iso butyl ketone	µg/L	10 U	10 U	500 U	500 U	500 U
trans-1,3-Dichloropropene	µg/L	1 U	1 U	50 U	100 U	50 U
Vinyl acetate	µg/L	10 U	10 U	1000 U	1000 U	500 U
BTEX						
Benzene	µg/L	1 U	1 U	100 U	100 U	50 U
Toluene	µg/L	1 U	1 U	50 U	50 U	50 U
Ethylbenzene	µg/L	1 U	1 U	50 U	850	50 U
Xylene (total)	µg/L	1 U	1 U	4300	50 U	50 U
Alkylated Benzenes						
Styrene	µg/L	1 U	1 U	50 U	50 U	50 U
Semivolatile Organic Compounds						
Benzo(a)anthracene	µg/L			9 U	9 U	
Benzo(a)pyrene	µg/L			94 U	94 U	
Benzo(g,h,i)perylene	µg/L			94 U	94 U	
Benzo(b)fluoranthene	µg/L			94 U	9 U	
Benzo(k)fluoranthene	µg/L			94 U	94 U	
Chrysene	µg/L			9 U	94 U	
Dibenzo(a,h)anthracene	µg/L			9 U	94 U	

	Event	Terra Vac's Annual Monitoring (1997)				
	Location	B-26	B-27	B-31	B-31	B-33A
	SampleID	**B-26**	**B-27**	**B-31**	**B-31**	**B-33A**
	Depth (bgs)	8.5 - 13.25 ft	42.5 - 47.5 ft	6.5 - 11.5 ft	6.5 - 11.5 ft	28 - 38 ft
	Sample Date	10/24/1997	10/24/1997	10/24/1997	12/19/1997	10/24/1997
Semivolatile Organic Compounds						
Fluoranthene	µg/L			94 U	94 U	
Indeno(1,2,3-cd)pyrene	µg/L			9 U	94 U	
Pyrene	µg/L			94 U	94 U	
Acenaphthene	µg/L			94 U	9 U	
Acenaphthylene	µg/L			9 U	94 U	
Anthracene	µg/L			94 U	94 U	
Fluorene	µg/L			94 U	94 U	
Naphthalene	µg/L			1 J	51 J	
Phenanthrene	µg/L			94 U	94 U	
bis(2-ethylhexyl)phthalate	µg/L			25 UB	25 UB	
Di-n-butyl phthalate	µg/L			94 U	94 U	
Butyl benzyl phthalate	µg/L			94 U	9 U	
Diethylphthalate	µg/L			9 U	94 U	
Dimethyl phthalate	µg/L			9 U	9 U	
Di-n-octyl phthalate	µg/L			9 U	94 U	
Pentachlorophenol	µg/L			56	56	
Tetrachlorophenols (total)	µg/L			52 J	52 J	
2,4-Dichlorophenol	µg/L			94 U	94 U	
2,4,5-Trichlorophenol	µg/L			470 U	10 UJ	
2,4,6-Trichlorophenol	µg/L			94 U	9 U	
2-Chlorophenol	µg/L			9 U	9 U	
2,4-Dimethylphenol	µg/L			9 U	9 U	
2,4-Dinitrophenol	µg/L			47 U	47 U	
2,4-Dinitrotoluene	µg/L			9 U	9 U	
2,6-Dinitrotoluene	µg/L			94 U	9 U	
2-Chloronaphthalene	µg/L			9 U	94 U	
2-Methylphenol	µg/L			19 J	19 J	
2-Nitroaniline	µg/L			47 U	470 U	
2-Nitrophenol	µg/L			9 U	9 U	
3,3'-Dichlorobenzidine	µg/L			47 U	47 U	
3-Methylphenol	µg/L			11	11	
2-Methylnaphthalene	µg/L			4 J	9 U	
3-Nitroaniline	µg/L			470 U	470 U	
4,6-Dinitro-o-cresol	µg/L			470 U	470 U	
4-Bromophenyl phenyl ether	µg/L			9 U	9 U	
4-Chloro-3-methylphenol	µg/L			94 U	94 U	
4-Chloroaniline	µg/L			9 U	9 U	
4-Chlorophenyl phenyl ether	µg/L			9 U	9 U	
4-Methylphenol	µg/L			11 J	11 J	
4-Nitroaniline	µg/L			470 U	470 U	
4-Nitrophenol	µg/L			470 U	470 U	
Aniline	µg/L			9 U	94 U	
Benzidine	µg/L			94 U	94 U	
Benzoic acid	µg/L			30 J	30 J	
Benzyl alcohol	µg/L			9 U	94 U	
bis(2-chloroethoxy)methane	µg/L			9 U	9 U	
bis(2-chloroethyl)ether	µg/L			9 U	9 U	
bis(2-chloroisopropyl)ether	µg/L			94 U	94 U	

	Event	Terra Vac's Annual Monitoring (1997)				
	Location	B-26	B-27	B-31	B-31	B-33A
	SampleID	**B-26**	**B-27**	**B-31**	**B-31**	**B-33A**
	Depth (bgs)	8.5 - 13.25 ft	42.5 - 47.5 ft	6.5 - 11.5 ft	6.5 - 11.5 ft	28 - 38 ft
	Sample Date	10/24/1997	10/24/1997	10/24/1997	12/19/1997	10/24/1997
Semivolatile Organic Compounds						
bis-chloroisopropyl ether	µg/L			9 U	9 U	
Dibenzofuran	µg/L			94 U	9 U	
Hexachlorobenzene	µg/L			9 U	9 U	
Hexachlorobutadiene	µg/L			94 U	9 U	
Hexachlorocyclopentadiene	µg/L			9 U	94 U	
Hexachloroethane	µg/L			94 U	9 U	
Isophorone	µg/L			9 U	94 U	
Nitrobenzene	µg/L			94 U	94 U	
N-Nitrosodimethylamine	µg/L			94 U	9 U	
N-Nitroso-di-n-propylamine	µg/L			9 U	9 U	
N-Nitrosodiphenylamine	µg/L			94 U	9 U	
Phenol	µg/L			9 U	9 U	

	Event	Terra Vac's Annual Monitoring (1997)				
	Location	B-34	B-35	B-36	B-39	B-39
	SampleID	**B-34**	**B-35**	**B-36**	**B-39**	**B-39**
	Depth (bgs)	7.5 - 12.5 ft	19.5 - 29.5 ft	6 - 11 ft	5.5 - 11.82 ft	5.5 - 11.82 ft
	Sample Date	10/24/1997	10/24/1997	10/24/1997	10/24/1997	12/19/1997
Volatile Organic Compounds						
Tetrachloroethene	µg/L	3	89	110	42000	42000
Trichloroethene	µg/L	2	50 U	94	9400	17000
1,2-Dichloroethene (total)	µg/L	21	1800	69	11000	18000
1,1-Dichloroethene	µg/L	1 U	50 U	2	50 U	50 U
Vinyl chloride	µg/L	51	12000	58	1700	1700
1,1,1-Trichloroethane	µg/L	1 U	50 U	1 U	2300	1000
1,1,2,2-Tetrachloroethane	µg/L	1 U	50 U	1 U	50 U	100 U
1,1,2-Trichloroethane	µg/L	1 U	50 U	1 U	100 U	100 U
1,1-Dichloroethane	µg/L	12	650	3	68	130
Chloroethane	µg/L	1 U	50 U	1 U	100 U	50 U
1,2,4-Trichlorobenzene	µg/L				9 U	9 U
1,2-Dichlorobenzene	µg/L				170	170
1,2-Dichloroethane	µg/L	1 U	50 U	1 U	50 U	50 U
1,2-Dichloropropane	µg/L	1 U	50 U	1 U	50 U	50 U
1,3-Dichlorobenzene	µg/L				5 J	5 J
1,4-Dichlorobenzene	µg/L				31	31
2-Hexanone	µg/L	10 U	500 U	10 U	500 U	500 U
Acetone	µg/L	10 U	500 U	10 U	1000	1000
Bromodichloromethane	µg/L	1 U	50 U	1 U	50 U	100 U
Bromoform	µg/L	5 U	250 U	5 U	500 U	250 U
Bromomethane	µg/L	10 U	500 U	10 U	500 U	500 U
Carbon disulfide	µg/L	10 U	500 U	10 U	1000 U	1000 U
Carbon tetrachloride	µg/L	1 U	50 U	1 U	50 U	50 U
Chlorobenzene	µg/L	1 U	50 U	1 U	50 U	50 U
Chloroform	µg/L	1 U	50 U	1 U	50 U	50 U
Chloromethane	µg/L	10 U	500 U	10 U	500 U	500 U
cis-1,3-Dichloropropene	µg/L	1 U	50 U	1 U	100 U	100 U
Dibromochloromethane	µg/L	1 U	50 U	1 U	50 U	50 U
Dichloromethane	µg/L	5 U	250 U	5 U	500 U	500 U
Methyl ethyl ketone	µg/L	10 U	500 U	10 U	1000 U	500 U
Methyl iso butyl ketone	µg/L	10 U	500 U	10 U	1000 U	500 U
trans-1,3-Dichloropropene	µg/L	1 U	50 U	1 U	100 U	50 U
Vinyl acetate	µg/L	10 U	500 U	10 U	500 U	1000 U
BTEX						
Benzene	µg/L	5	85	1 U	190	85
Toluene	µg/L	1 U	7400	1 U	5200	5200
Ethylbenzene	µg/L	1 U	590	1 U	1400	1400
Xylene (total)	µg/L	1 U	1100	1 U	3400	3400
Alkylated Benzenes						
Styrene	µg/L	1 U	50 U	1 U	50 U	230
Semivolatile Organic Compounds						
Benzo(a)anthracene	µg/L				9 U	9 U
Benzo(a)pyrene	µg/L				9 U	9 U
Benzo(g,h,i)perylene	µg/L				9 U	9 U
Benzo(b)fluoranthene	µg/L				9 U	9 U
Benzo(k)fluoranthene	µg/L				9 U	9 U
Chrysene	µg/L				9 U	9 U
Dibenzo(a,h)anthracene	µg/L				9 U	9 U

	Event	Terra Vac's Annual Monitoring (1997)				
	Location	B-34	B-35	B-36	B-39	B-39
	SampleID	**B-34**	**B-35**	**B-36**	**B-39**	**B-39**
	Depth (bgs)	7.5 - 12.5 ft	19.5 - 29.5 ft	6 - 11 ft	5.5 - 11.82 ft	5.5 - 11.82 ft
	Sample Date	10/24/1997	10/24/1997	10/24/1997	10/24/1997	12/19/1997
Semivolatile Organic Compounds						
Fluoranthene	µg/L				9 U	9 U
Indeno(1,2,3-cd)pyrene	µg/L				9 U	9 U
Pyrene	µg/L				9 U	9 U
Acenaphthene	µg/L				9 U	9 U
Acenaphthylene	µg/L				9 U	9 U
Anthracene	µg/L				9 U	9 U
Fluorene	µg/L				9 U	9 U
Naphthalene	µg/L				2 J	2 J
Phenanthrene	µg/L				9 U	9 U
bis(2-ethylhexyl)phthalate	µg/L				3 U	3 U
Di-n-butyl phthalate	µg/L				2 J	2 J
Butyl benzyl phthalate	µg/L				9 U	9 U
Diethylphthalate	µg/L				5 J	5 J
Dimethyl phthalate	µg/L				9 U	9 U
Di-n-octyl phthalate	µg/L				9 U	9 U
Pentachlorophenol	µg/L				170	170
Tetrachlorophenols (total)	µg/L				150 J	150 J
2,4-Dichlorophenol	µg/L				9 U	9 U
2,4,5-Trichlorophenol	µg/L				10 UJ	10 UJ
2,4,6-Trichlorophenol	µg/L				10 UJ	9 U
2-Chlorophenol	µg/L				9 U	9 U
2,4-Dimethylphenol	µg/L				31	31
2,4-Dinitrophenol	µg/L				47 U	47 U
2,4-Dinitrotoluene	µg/L				9 U	9 U
2,6-Dinitrotoluene	µg/L				9 U	9 U
2-Chloronaphthalene	µg/L				9 U	9 U
2-Methylphenol	µg/L				110	110
2-Nitroaniline	µg/L				47 U	47 U
2-Nitrophenol	µg/L				9 U	9 U
3,3'-Dichlorobenzidine	µg/L				47 U	47 U
3-Methylphenol	µg/L				110	110
2-Methylnaphthalene	µg/L				1 J	1 J
3-Nitroaniline	µg/L				47 U	47 U
4,6-Dinitro-o-cresol	µg/L				47 U	47 U
4-Bromophenyl phenyl ether	µg/L				9 U	9 U
4-Chloro-3-methylphenol	µg/L				9 U	9 U
4-Chloroaniline	µg/L				9 U	9 U
4-Chlorophenyl phenyl ether	µg/L				9 U	9 U
4-Nitroaniline	µg/L				47 U	47 U
4-Nitrophenol	µg/L				47 U	47 U
Aniline	µg/L				9 U	9 U
Benzidine	µg/L				94 U	94 U
Benzoic acid	µg/L				51	51
Benzyl alcohol	µg/L				15	15
bis(2-chloroethoxy)methane	µg/L				9 U	9 U
bis(2-chloroethyl)ether	µg/L				9 U	9 U
bis-chloroisopropyl ether	µg/L				9 U	9 U
Dibenzofuran	µg/L				9 U	9 U

	Event	Terra Vac's Annual Monitoring (1997)				
	Location	B-34	B-35	B-36	B-39	B-39
	SampleID	**B-34**	**B-35**	**B-36**	**B-39**	**B-39**
	Depth (bgs)	7.5 - 12.5 ft	19.5 - 29.5 ft	6 - 11 ft	5.5 - 11.82 ft	5.5 - 11.82 ft
	Sample Date	10/24/1997	10/24/1997	10/24/1997	10/24/1997	12/19/1997
Semivolatile Organic Compounds						
Hexachlorobenzene	µg/L				9 U	9 U
Hexachlorobutadiene	µg/L				9 U	9 U
Hexachlorocyclopentadiene	µg/L				9 U	9 U
Hexachloroethane	µg/L				9 U	9 U
Isophorone	µg/L				9 U	9 U
Nitrobenzene	µg/L				9 U	9 U
N-Nitrosodimethylamine	µg/L				9 U	9 U
N-Nitroso-di-n-propylamine	µg/L				9 U	9 U
N-Nitrosodiphenylamine	µg/L				9 U	9 U
Phenol	µg/L				14	14

	Event	Terra Vac's Annual Monitoring (1997)				
	Location	B-44				
	SampleID	**B-44**				
	Depth (bgs)	9.5 - 15.5 ft				
	Sample Date	10/24/1997				
Volatile Organic Compounds						
Tetrachloroethene	µg/L	41000				
Trichloroethene	µg/L	13000				
1,2-Dichloroethene (total)	µg/L	20000				
1,1-Dichloroethene	µg/L	100 U				
Vinyl chloride	µg/L	1200				
1,1,1-Trichloroethane	µg/L	2600				
1,1,2,2-Tetrachloroethane	µg/L	100 U				
1,1,2-Trichloroethane	µg/L	100 U				
1,1-Dichloroethane	µg/L	160				
Chloroethane	µg/L	100 U				
1,2-Dichloroethane	µg/L	100 U				
1,2-Dichloropropane	µg/L	100 U				
2-Hexanone	µg/L	1000 U				
Acetone	µg/L	1000 U				
Bromodichloromethane	µg/L	100 U				
Bromoform	µg/L	500 U				
Bromomethane	µg/L	1000 U				
Carbon disulfide	µg/L	1000 U				
Carbon tetrachloride	µg/L	100 U				
Chlorobenzene	µg/L	100 U				
Chloroform	µg/L	100 U				
Chloromethane	µg/L	1000 U				
cis-1,3-Dichloropropene	µg/L	100 U				
Dibromochloromethane	µg/L	100 U				
Dichloromethane	µg/L	500 U				
Methyl ethyl ketone	µg/L	1000 U				
Methyl iso butyl ketone	µg/L	1000 U				
trans-1,3-Dichloropropene	µg/L	100 U				
Vinyl acetate	µg/L	1000 U				
BTEX						
Benzene	µg/L	290				
Toluene	µg/L	14000				
Ethylbenzene	µg/L	1200				
Xylene (total)	µg/L	3000				
Alkylated Benzenes						
Styrene	µg/L	260				
Conventionals						
Total Organic Carbon	mg/L	33				

	Event	Hart Crowser's Annual Monitoring (December 1996)				
	Location	B-08	B-09	B-20	B-21	B-24
	SampleID	**B-8**	**B-9**	**B-20**	**B-21**	**B-24**
	Depth (bgs)	39.5 - 44.5 ft	38.5 - 43.5 ft	6 - 16 ft	38 - 43 ft	6 - 16 ft
	Sample Date	12/04/1996	12/03/1996	12/04/1996	12/04/1996	12/05/1996
Volatile Organic Compounds						
Tetrachloroethene	µg/L	1100	5	930	10 U	1 U
Trichloroethene	µg/L	6300	13	1300	10 U	1 U
1,2-Dichloroethene (total)	µg/L	9000	61	19000	47000	1 U
1,1-Dichloroethene	µg/L	10 U	1 U	60	58	1 U
Vinyl chloride	µg/L	10 U	16	3700	18000	1 U
1,1,1-Trichloroethane	µg/L	10 U	1 U	960	10 U	1 U
1,1,2,2-Tetrachloroethane	µg/L	10 U	1 U	10 U	10 U	1 U
1,1,2-Trichloroethane	µg/L	10 U	1 U	10 U	10 U	1 U
1,1-Dichloroethane	µg/L	10 U	1	230	170	1 U
Chloroethane	µg/L	10 U	1 U	10 U	10 U	1 U
1,2,4-Trichlorobenzene	µg/L	9 U				9 U
1,2-Dichlorobenzene	µg/L	5 J				9 U
1,2-Dichloroethane	µg/L	10 U	44	10 U	10 U	1 U
1,2-Dichloropropane	µg/L	10 U	1 U	10 U	10 U	1 U
1,3-Dichlorobenzene	µg/L	9 U				9 U
1,4-Dichlorobenzene	µg/L	1 J				9 U
2-Hexanone	µg/L	100 U	10 U	100 U	100 U	10 U
Acetone	µg/L	100 U	10 U	190	100 U	10 U
Bromodichloromethane	µg/L	10 U	1 U	10 U	10 U	1 U
Bromoform	µg/L	50 U	5 U	50 U	50 U	5 U
Bromomethane	µg/L	100 U	10 U	100 U	100 U	10 U
Carbon disulfide	µg/L	100 U	10 U	100 U	100 U	10 U
Carbon tetrachloride	µg/L	10 U	1 U	10 U	10 U	1 U
Chlorobenzene	µg/L	10 U	1 U	20	10 U	1 U
Chloroform	µg/L	10 U	1 U	10 U	10 U	1 U
Chloromethane	µg/L	100 U	10 U	100 U	100 U	10 U
cis-1,3-Dichloropropene	µg/L	10 U	1 U	10 U	10 U	1 U
Dibromochloromethane	µg/L	10 U	1 U	10 U	10 U	1 U
Dichloromethane	µg/L	50 U	5 U	50 U	50 U	5 U
Methyl ethyl ketone	µg/L	100 U	10 U	100 U	100 U	10 U
Methyl iso butyl ketone	µg/L	100 U	10 U	100 U	100 U	10 U
trans-1,3-Dichloropropene	µg/L	10 U	1 U	10 U	10 U	1 U
Vinyl acetate	µg/L	100 U	10 U	100 U	100 U	10 U
BTEX						
Benzene	µg/L	10 U	1 U	88	29	2
Toluene	µg/L	26	1 U	2100	1300	1 U
Ethylbenzene	µg/L	170	1 U	210	900	2
Xylene (total)	µg/L	13	1 U	490	740	1 U
Alkylated Benzenes						
Styrene	µg/L	10 U	1 U	10 U	10 U	1 U
Semivolatile Organic Compounds						
Benzo(a)anthracene	µg/L	9 U				9 U
Benzo(a)pyrene	µg/L	9 U				9 U
Benzo(g,h,i)perylene	µg/L	9 U				9 U
Benzo(b)fluoranthene	µg/L	9 U				9 U
Benzo(k)fluoranthene	µg/L	9 U				9 U
Chrysene	µg/L	9 U				9 U
Dibenzo(a,h)anthracene	µg/L	9 U				9 U

	Event	Hart Crowser's Annual Monitoring (December 1996)				
	Location	B-08	B-09	B-20	B-21	B-24
	SampleID	**B-8**	**B-9**	**B-20**	**B-21**	**B-24**
	Depth (bgs)	39.5 - 44.5 ft	38.5 - 43.5 ft	6 - 16 ft	38 - 43 ft	6 - 16 ft
	Sample Date	12/04/1996	12/03/1996	12/04/1996	12/04/1996	12/05/1996
Semivolatile Organic Compounds						
Fluoranthene	µg/L	9 U				9 U
Indeno(1,2,3-cd)pyrene	µg/L	9 U				9 U
Pyrene	µg/L	9 U				9 U
Acenaphthene	µg/L	9 U				9 U
Acenaphthylene	µg/L	9 U				9 U
Anthracene	µg/L	9 U				9 U
Fluorene	µg/L	9 U				9 U
Naphthalene	µg/L	3 J				9 U
Phenanthrene	µg/L	9 U				9 U
bis(2-ethylhexyl)phthalate	µg/L	11				2 U
Di-n-butyl phthalate	µg/L	9 U				9 U
Butyl benzyl phthalate	µg/L	9 U				9 U
Diethylphthalate	µg/L	9 U				9 U
Dimethyl phthalate	µg/L	9 U				9 U
Di-n-octyl phthalate	µg/L	9 U				9 U
Pentachlorophenol	µg/L	8 J		56	0.04 U	1 J
Tetrachlorophenols (total)	µg/L			4.4	0.19 U	0.19 U
2,4-Dichlorophenol	µg/L	9 U		0.94 U	0.81 J	9 U
2,4,5-Trichlorophenol	µg/L	1 J		0.81	0.38 U	47 U
2,4,6-Trichlorophenol	µg/L	9 U		0.19 U	0.19 U	9 U
2-Chlorophenol	µg/L	9 U				9 U
2,4-Dimethylphenol	µg/L	9 U				9 U
2,4-Dinitrophenol	µg/L	47 U				47 U
2,4-Dinitrotoluene	µg/L	9 U				9 U
2,6-Dinitrotoluene	µg/L	9 U				9 U
2-Chloronaphthalene	µg/L	9 U				9 U
2-Methylphenol	µg/L	9 U				9 U
2-Nitroaniline	µg/L	47 U				47 U
2-Nitrophenol	µg/L	9 U				9 U
3,3'-Dichlorobenzidine	µg/L	19 U				19 U
3-Methylphenol	µg/L	9 U				9 U
2-Methylnaphthalene	µg/L	1 J				9 U
3-Nitroaniline	µg/L	47 U				47 U
4,6-Dinitro-o-cresol	µg/L	47 U				47 U
4-Bromophenyl phenyl ether	µg/L	9 U				9 U
4-Chloro-3-methylphenol	µg/L	9 U				9 U
4-Chloroaniline	µg/L	9 U				9 U
4-Chlorophenyl phenyl ether	µg/L	9 U				9 U
4-Nitroaniline	µg/L	47 U				47 U
4-Nitrophenol	µg/L	47 U				47 U
Aniline	µg/L	9 U				9 U
Benzidine	µg/L	94 U				94 U
Benzoic acid	µg/L	47 U				1 J
Benzyl alcohol	µg/L	9 U				9 U
bis(2-chloroethoxy)methane	µg/L	9 U				9 U
bis(2-chloroethyl)ether	µg/L	9 U				9 U
bis-chloroisopropyl ether	µg/L	9 U				9 U
Dibenzofuran	µg/L	9 U				9 U

	Event	Hart Crowser's Annual Monitoring (December 1996)				
	Location	B-08	B-09	B-20	B-21	B-24
	SampleID	**B-8**	**B-9**	**B-20**	**B-21**	**B-24**
	Depth (bgs)	39.5 - 44.5 ft	38.5 - 43.5 ft	6 - 16 ft	38 - 43 ft	6 - 16 ft
	Sample Date	12/04/1996	12/03/1996	12/04/1996	12/04/1996	12/05/1996
Semivolatile Organic Compounds						
Hexachlorobenzene	µg/L	9 U				9 U
Hexachlorobutadiene	µg/L	9 U				9 U
Hexachlorocyclopentadiene	µg/L	9 U				9 U
Hexachloroethane	µg/L	9 U				9 U
Isophorone	µg/L	9 U				9 U
Nitrobenzene	µg/L	9 U				9 U
N-Nitrosodimethylamine	µg/L	9 U				9 U
N-Nitroso-di-n-propylamine	µg/L	9 U				9 U
N-Nitrosodiphenylamine	µg/L	9 U				9 U
Phenol	µg/L	9 U				9 U

	Event	Hart Crowser's Annual Monitoring (December 1996)				
	Location	B-25	B-26	B-27	B-31	B-31
	SampleID	**B-25**	**B-26**	**B-27**	**B-31**	**B-97**
	Depth (bgs)	27 - 37 ft	8.5 - 13.25 ft	42.5 - 47.5 ft	6.5 - 11.5 ft	6.5 - 11.5 ft
	Sample Date	12/05/1996	12/02/1996	12/02/1996	12/05/1996	12/05/1996
Volatile Organic Compounds						
Tetrachloroethene	µg/L	1 U	7	1 U	79000	84000
Trichloroethene	µg/L	1 U	14	1 U	13000	14000
1,2-Dichloroethene (total)	µg/L	1 U	96	1 U	1100	1100 J
1,1-Dichloroethene	µg/L	1 U	1 U	1 U	12	13 J
Vinyl chloride	µg/L	1 U	1 U	3	10 U	10 U
1,1,1-Trichloroethane	µg/L	1 U	1 U	1 U	2400	2500
1,1,2,2-Tetrachloroethane	µg/L	1 U	1 U	1 U	10 U	10 U
1,1,2-Trichloroethane	µg/L	1 U	1 U	1 U	10 U	10 U
1,1-Dichloroethane	µg/L	1 U	1 U	1 U	23	25 J
Chloroethane	µg/L	1 U	1 U	1 U	10 U	10 U
1,2,4-Trichlorobenzene	µg/L	9 U			9 U	9 U
1,2-Dichlorobenzene	µg/L	9 U			3 J	3 J
1,2-Dichloroethane	µg/L	1 U	1 U	1 U	10 U	10 U
1,2-Dichloropropane	µg/L	1 U	1 U	1 U	10 U	10 U
1,3-Dichlorobenzene	µg/L	9 U			9 U	9 U
1,4-Dichlorobenzene	µg/L	9 U			9 U	9 U
2-Hexanone	µg/L	10 U	10 U	10 U	100 U	100 U
Acetone	µg/L	10 U	10 U	10 U	110	100 U
Bromodichloromethane	µg/L	1 U	1 U	1 U	10 U	10 U
Bromoform	µg/L	5 U	5 U	5 U	50 U	50 U
Bromomethane	µg/L	10 U	10 U	10 U	100 U	100 U
Carbon disulfide	µg/L	10 U	10 U	10 U	100 U	100 U
Carbon tetrachloride	µg/L	1 U	1 U	1 U	10 U	10 U
Chlorobenzene	µg/L	1 U	1 U	1 U	10 U	10 U
Chloroform	µg/L	1 U	1 U	1 U	12	12 J
Chloromethane	µg/L	10 U	10 U	10 U	100 U	100 U
cis-1,3-Dichloropropene	µg/L	1 U	1 U	1 U	10 U	10 U
Dibromochloromethane	µg/L	1 U	1 U	1 U	10 U	10 U
Dichloromethane	µg/L	5 U	5 U	5 U	50 U	50 U
Methyl ethyl ketone	µg/L	10 U	10 U	10 U	100 U	100 U
Methyl iso butyl ketone	µg/L	10 U	10 U	10 U	100 U	100 U
trans-1,3-Dichloropropene	µg/L	1 U	1 U	1 U	10 U	10 U
Vinyl acetate	µg/L	10 U	10 U	10 U	100 U	100 U
BTEX						
Benzene	µg/L	1 U	1 U	1 U	43	45 J
Toluene	µg/L	1 U	1 U	1 U	12000	14000
Ethylbenzene	µg/L	1 U	1 U	1 U	790	800 J
Xylene (total)	µg/L	1 U	1 U	1 U	4100	4200
Alkylated Benzenes						
Styrene	µg/L	1 U	1 U	1 U	400	410 J
Semivolatile Organic Compounds						
Benzo(a)anthracene	µg/L	9 U			9 U	9 U
Benzo(a)pyrene	µg/L	9 U			9 U	9 U
Benzo(g,h,i)perylene	µg/L	9 U			9 U	9 U
Benzo(b)fluoranthene	µg/L	9 U			9 U	9 U
Benzo(k)fluoranthene	µg/L	9 U			9 U	9 U
Chrysene	µg/L	9 U			9 U	9 U
Dibenzo(a,h)anthracene	µg/L	9 U			9 U	9 U

	Event	Hart Crowser's Annual Monitoring (December 1996)				
	Location	B-25	B-26	B-27	B-31	B-31
	SampleID	**B-25**	**B-26**	**B-27**	**B-31**	**B-97**
	Depth (bgs)	27 - 37 ft	8.5 - 13.25 ft	42.5 - 47.5 ft	6.5 - 11.5 ft	6.5 - 11.5 ft
	Sample Date	12/05/1996	12/02/1996	12/02/1996	12/05/1996	12/05/1996
Semivolatile Organic Compounds						
Fluoranthene	µg/L	9 U			9 U	9 U
Indeno(1,2,3-cd)pyrene	µg/L	9 U			9 U	9 U
Pyrene	µg/L	9 U			9 U	9 U
Acenaphthene	µg/L	9 U			1 J	1 J
Acenaphthylene	µg/L	9 U			9 U	9 U
Anthracene	µg/L	9 U			9 U	9 U
Fluorene	µg/L	9 U			1 J	1 J
Naphthalene	µg/L	9 U			34	35
Phenanthrene	µg/L	9 U			9 U	9 U
bis(2-ethylhexyl)phthalate	µg/L	5 U			76	55
Di-n-butyl phthalate	µg/L	9 U			21	20
Butyl benzyl phthalate	µg/L	9 U			9 U	9 U
Diethylphthalate	µg/L	9 U			4 J	4 J
Dimethyl phthalate	µg/L	9 U			9 U	9 U
Di-n-octyl phthalate	µg/L	9 U			9 U	9 U
Pentachlorophenol	µg/L	9 U			1100	1300
Tetrachlorophenols (total)	µg/L	0.19 U			47	67
2,4-Dichlorophenol	µg/L	9 U			1.8	96 U
2,4,5-Trichlorophenol	µg/L	47 U			0.32	0.31 J
2,4,6-Trichlorophenol	µg/L	9 U			9 U	9 U
2-Chlorophenol	µg/L	9 U			9 U	9 U
2,4-Dimethylphenol	µg/L	9 U			19	20
2,4-Dinitrophenol	µg/L	47 U			47 U	47 U
2,4-Dinitrotoluene	µg/L	9 U			9 U	9 U
2,6-Dinitrotoluene	µg/L	9 U			9 U	9 U
2-Chloronaphthalene	µg/L	9 U			9 U	9 U
2-Methylphenol	µg/L	9 U			9 U	9 U
2-Nitroaniline	µg/L	47 U			47 U	47 U
2-Nitrophenol	µg/L	9 U			9 U	9 U
3,3'-Dichlorobenzidine	µg/L	19 U			19 U	19 U
3-Methylphenol	µg/L	9 U			9 U	9 U
2-Methylnaphthalene	µg/L	9 U			4 J	4 J
3-Nitroaniline	µg/L	47 U			47 U	47 U
4,6-Dinitro-o-cresol	µg/L	47 U			47 U	47 U
4-Bromophenyl phenyl ether	µg/L	9 U			9 U	9 U
4-Chloro-3-methylphenol	µg/L	9 U			9 U	9 U
4-Chloroaniline	µg/L	9 U			9 U	9 U
4-Chlorophenyl phenyl ether	µg/L	9 U			9 U	9 U
4-Nitroaniline	µg/L	47 U			47 U	47 U
4-Nitrophenol	µg/L	47 U			47 U	47 U
Aniline	µg/L	9 U			9 U	9 U
Benzidine	µg/L	94 U			94 U	94 U
Benzoic acid	µg/L	47 U			47 U	47 U
Benzyl alcohol	µg/L	9 U			4 J	4 J
bis(2-chloroethoxy)methane	µg/L	9 U			9 U	9 U
bis(2-chloroethyl)ether	µg/L	9 U			9 U	9 U
bis-chloroisopropyl ether	µg/L	9 U			9 U	9 U
Dibenzofuran	µg/L	9 U			1 J	1 J

	Event	**Hart Crowser's Annual Monitoring (December 1996)**				
	Location	B-25	B-26	B-27	B-31	B-31
	SampleID	**B-25**	**B-26**	**B-27**	**B-31**	**B-97**
	Depth (bgs)	27 - 37 ft	8.5 - 13.25 ft	42.5 - 47.5 ft	6.5 - 11.5 ft	6.5 - 11.5 ft
	Sample Date	12/05/1996	12/02/1996	12/02/1996	12/05/1996	12/05/1996
Semivolatile Organic Compounds						
Hexachlorobenzene	µg/L	9 U			9 U	9 U
Hexachlorobutadiene	µg/L	9 U			9 U	9 U
Hexachlorocyclopentadiene	µg/L	9 U			9 U	9 U
Hexachloroethane	µg/L	9 U			9 U	9 U
Isophorone	µg/L	9 U			9 U	9 U
Nitrobenzene	µg/L	9 U			9 U	9 U
N-Nitrosodimethylamine	µg/L	9 U			9 U	9 U
N-Nitroso-di-n-propylamine	µg/L	9 U			9 U	9 U
N-Nitrosodiphenylamine	µg/L	9 U			9 U	9 U
Phenol	µg/L	9 U			9 U	9 U

	Event	**Hart Crowser's Annual Monitoring (December 1996)**				
	Location	B-33A	B-34	B-35	B-36	B-39
	SampleID	**B-33A**	**B-34**	**B-35**	**B-36**	**B-39**
	Depth (bgs)	28 - 38 ft	7.5 - 12.5 ft	19.5 - 29.5 ft	6 - 11 ft	5.5 - 11.82 ft
	Sample Date	12/03/1996	12/03/1996	12/03/1996	12/03/1996	12/05/1996
Volatile Organic Compounds						
Tetrachloroethene	µg/L	1 J	15	85	270	63000
Trichloroethene	µg/L	90 J	10	49	110	15000
1,2-Dichloroethene (total)	µg/L	36000	27	8000	57	23000
1,1-Dichloroethene	µg/L	210	1 U	26	4	52
Vinyl chloride	µg/L	7700	2	8100	180	810
1,1,1-Trichloroethane	µg/L	1 U	1 U	1 U	16	2200
1,1,2,2-Tetrachloroethane	µg/L	1 U	1 U	1 U	1 U	10 U
1,1,2-Trichloroethane	µg/L	1 U	1 U	1 U	1 U	18
1,1-Dichloroethane	µg/L	110 J	1 U	560	8	250
Chloroethane	µg/L	1 U	1 U	25	1 U	10 U
1,2-Dichloroethane	µg/L	1 U	1 U	3	1 U	60
1,2-Dichloropropane	µg/L	1 U	1 U	1 U	1 U	10 U
2-Hexanone	µg/L	10 U	10 U	10 U	10 U	100 U
Acetone	µg/L	10 U	10 U	36	10 U	390
Bromodichloromethane	µg/L	1 U	1 U	1 U	1 U	10 U
Bromoform	µg/L	5 U	5 U	5 U	5 U	50 U
Bromomethane	µg/L	10 U	10 U	10 U	10 U	100 U
Carbon disulfide	µg/L	10 U	10 U	10 U	10 U	100 U
Carbon tetrachloride	µg/L	1 U	1 U	1 U	1 U	10 U
Chlorobenzene	µg/L	1 U	1 U	1 U	1 U	10 U
Chloroform	µg/L	1 U	1 U	1 U	1 U	19
Chloromethane	µg/L	10 U	10 U	10 U	10 U	100 U
cis-1,3-Dichloropropene	µg/L	1 U	1 U	1 U	1 U	10 U
Dibromochloromethane	µg/L	1 U	1 U	1 U	1 U	10 U
Dichloromethane	µg/L	5 U	5 U	5 U	5 U	710
Methyl ethyl ketone	µg/L	10 U	10 U	10 U	10 U	100 U
Methyl iso butyl ketone	µg/L	10 U	10 U	10 U	10 U	1000
trans-1,3-Dichloropropene	µg/L	1 U	1 U	1 U	1 U	10 U
Vinyl acetate	µg/L	10 U	10 U	10 U	10 U	100 U
BTEX						
Benzene	µg/L	18 J	1 U	56	2	210
Toluene	µg/L	43 J	1 U	3900	1	9100
Ethylbenzene	µg/L	16 J	1 U	190	1 U	450
Xylene (total)	µg/L	10 J	1 U	210	1 U	1700
Alkylated Benzenes						
Styrene	µg/L	1 U	1 U	15	1 U	230
Semivolatile Organic Compounds						
Pentachlorophenol	µg/L					3100 J
Tetrachlorophenols (total)	µg/L					180 J
2,4-Dichlorophenol	µg/L					94 U
2,4,5-Trichlorophenol	µg/L					38 U
2,4,6-Trichlorophenol	µg/L					0.19 U

	Event	Hart Crowser's Annual Monitoring (December 1996)				
	Location	B-44	B-45	B-10A		
	SampleID	**B-44**	**B-45**	**B-10A**		
	Depth (bgs)	9.5 - 15.5 ft	37 - 47 ft	9.5 - 14.5 ft		
	Sample Date	12/04/1996	12/04/1996	12/03/1996		
Volatile Organic Compounds						
Tetrachloroethene	µg/L	53000	1600	850		
Trichloroethene	µg/L	17000	12000	1400		
1,2-Dichloroethene (total)	µg/L	35000	20000	45000		
1,1-Dichloroethene	µg/L	92	35	66 J		
Vinyl chloride	µg/L	1200	220	630		
1,1,1-Trichloroethane	µg/L	2600	10 U	14		
1,1,2,2-Tetrachloroethane	µg/L	10 U	10 U	1 U		
1,1,2-Trichloroethane	µg/L	19	10 U	1 U		
1,1-Dichloroethane	µg/L	450	11	130 J		
Chloroethane	µg/L	10 U	10 U	1 U		
1,2-Dichloroethane	µg/L	97	10 U	50 J		
1,2-Dichloropropane	µg/L	10 U	10 U	82 J		
2-Hexanone	µg/L	100 U	100 U	10 U		
Acetone	µg/L	590	100 U	10 U		
Bromodichloromethane	µg/L	10 U	10 U	1 U		
Bromoform	µg/L	50 U	50 U	5 U		
Bromomethane	µg/L	100 U	100 U	10 U		
Carbon disulfide	µg/L	100 U	100 U	10 U		
Carbon tetrachloride	µg/L	10 U	10 U	1 U		
Chlorobenzene	µg/L	10 U	10 U	1 U		
Chloroform	µg/L	26	10 U	2 J		
Chloromethane	µg/L	100 U	100 U	10 U		
cis-1,3-Dichloropropene	µg/L	10 U	10 U	1 U		
Dibromochloromethane	µg/L	10 U	10 U	1 U		
Dichloromethane	µg/L	1400	50 U	5 U		
Methyl ethyl ketone	µg/L	170	100 U	10 U		
Methyl iso butyl ketone	µg/L	1500	100 U	10 U		
trans-1,3-Dichloropropene	µg/L	10 U	10 U	1 U		
Vinyl acetate	µg/L	100 U	100 U	10 U		
BTEX						
Benzene	µg/L	310	15	88 J		
Toluene	µg/L	11000	440	550		
Ethylbenzene	µg/L	700	130	1700		
Xylene (total)	µg/L	2400	67	4600		
Alkylated Benzenes						
Styrene	µg/L	310	10 U	32 J		
Semivolatile Organic Compounds						
Pentachlorophenol	µg/L			5.9		
Tetrachlorophenols (total)	µg/L			4.5		
2,4-Dichlorophenol	µg/L			1.4		
2,4,5-Trichlorophenol	µg/L			1.7		
2,4,6-Trichlorophenol	µg/L			0.19 U		

	Event	Hart Crowser's Annual Monitoring (1995)				
	Location	B-08	B-09	B-10A	B-13	B-15
	SampleID	**B-8**	**B-9**	**B-10A**	**B-13**	**B-15**
	Depth (bgs)	39.5 - 44.5 ft	38.5 - 43.5 ft	9.5 - 14.5 ft	7 - 12 ft	12 - 17 ft
	Sample Date	10/24/1995	10/25/1995	10/25/1995	10/25/1995	10/24/1995
Volatile Organic Compounds						
Tetrachloroethene	µg/L	290	1700	25000 J	5600	79000 J
Trichloroethene	µg/L	2800	240	3000	290	16000 J
1,2-Dichloroethene (total)	µg/L	2300	1300	25000 J	140	16000 J
1,1-Dichloroethene	µg/L	20 U	20 U	22	20 U	13
Vinyl chloride	µg/L	20 U	20 U	110	20 U	40
1,1,1-Trichloroethane	µg/L	20 U	20 U	20 U	20 U	880 J
1,1,2,2-Tetrachloroethane	µg/L	20 U	20 U	20 U	20 U	1 U
1,1,2-Trichloroethane	µg/L	20 U	20 U	20 U	20 U	9
1,1-Dichloroethane	µg/L	20 U	20 U	40	20 U	300 J
Chloroethane	µg/L	20 U	20 U	20 U	20 U	1 U
1,2,4-Trichlorobenzene	µg/L	10 U		20 U		
1,2-Dichlorobenzene	µg/L	1 J		20 U		
1,2-Dichloroethane	µg/L	20 U	44	76	20 U	42
1,2-Dichloropropane	µg/L	20 U	20 U	43	20 U	1 U
1,3-Dichlorobenzene	µg/L	10 U		20 U		
1,4-Dichlorobenzene	µg/L	10 U		20 U		
2-Hexanone	µg/L	200 U	200 U	200 U	200 U	10 U
Acetone	µg/L	200 U	200 U	200 U	130 J	74 JB
Bromodichloromethane	µg/L	20 U	20 U	20 U	20 U	50 U
Bromoform	µg/L	100 U	100 U	100 U	100 U	5 U
Bromomethane	µg/L	200 U	200 U	200 U	200 U	10 U
Carbon disulfide	µg/L	20 U	20 U	20 U	20 U	2
Carbon tetrachloride	µg/L	20 U	20 U	20 U	20 U	1 U
Chlorobenzene	µg/L	20 U	20 U	20 U	20 U	1 U
Chloroform	µg/L	20 U	20 U	20 U	20 U	29
Chloromethane	µg/L	200 U	200 U	200 U	200 U	10 U
cis-1,3-Dichloropropene	µg/L	20 U	20 U	20 U	20 U	1 U
Dibromochloromethane	µg/L	20 U	20 U	20 U	20 U	1 U
Dichloromethane	µg/L	55 J	62 J	54 J	100 JB	1100 J
Methyl ethyl ketone	µg/L	200 U	200 U	200 U	200 U	10 U
Methyl iso butyl ketone	µg/L	200 U	200 U	200 U	200 U	65
trans-1,3-Dichloropropene	µg/L	20 U	20 U	20 U	20 U	1 U
Vinyl acetate	µg/L	200 U	200 U	200 U	200 U	10 U
BTEX						
Benzene	µg/L	20 U	20 U	58	20 U	38
Toluene	µg/L	20 U	23	490	20 U	220 J
Ethylbenzene	µg/L	20	38	900	20 U	54
Xylene (total)	µg/L	20 U	93	3000	20 U	520 J
Alkylated Benzenes						
Styrene	µg/L	20 U	20 U	20 U	20 U	1 U
Semivolatile Organic Compounds						
Benzo(a)anthracene	µg/L	10 U		20 U		
Benzo(a)pyrene	µg/L	10 U		20 U		
Benzo(g,h,i)perylene	µg/L	10 U		20 U		
Benzo(b)fluoranthene	µg/L	10 U		20 U		
Benzo(k)fluoranthene	µg/L	10 U		20 U		
Chrysene	µg/L	10 U		20 U		
Dibenzo(a,h)anthracene	µg/L	10 U		20 U		

	Event	Hart Crowser's Annual Monitoring (1995)				
	Location	B-08	B-09	B-10A	B-13	B-15
	SampleID	**B-8**	**B-9**	**B-10A**	**B-13**	**B-15**
	Depth (bgs)	39.5 - 44.5 ft	38.5 - 43.5 ft	9.5 - 14.5 ft	7 - 12 ft	12 - 17 ft
	Sample Date	10/24/1995	10/25/1995	10/25/1995	10/25/1995	10/24/1995
Semivolatile Organic Compounds						
Fluoranthene	µg/L	10 U		20 U		
Indeno(1,2,3-cd)pyrene	µg/L	10 U		20 U		
Pyrene	µg/L	10 U		20 U		
Acenaphthene	µg/L	0.5 J		20 U		
Acenaphthylene	µg/L	10 U		20 U		
Anthracene	µg/L	10 U		20 U		
Fluorene	µg/L	10 U		20 U		
Naphthalene	µg/L	0.5 J		260		
Phenanthrene	µg/L	10 U		20 U		
bis(2-ethylhexyl)phthalate	µg/L	6 J		55 JB		
Di-n-butyl phthalate	µg/L	10 U		20 U		
Butyl benzyl phthalate	µg/L	10 U		20 U		
Diethylphthalate	µg/L	10 U		20 U		
Dimethyl phthalate	µg/L	10 U		20 U		
Di-n-octyl phthalate	µg/L	1 J		20 U		
Pentachlorophenol	µg/L	10 U		36		
2,4-Dichlorophenol	µg/L	10 U		20 U		
2,4,5-Trichlorophenol	µg/L	50 U		2 J		
2,4,6-Trichlorophenol	µg/L	10 U		20 U		
2-Chlorophenol	µg/L	10 U		20 U		
2,4-Dimethylphenol	µg/L	10 U		20 U		
2,4-Dinitrophenol	µg/L	50 U		100 U		
2,4-Dinitrotoluene	µg/L	10 U		20 U		
2,6-Dinitrotoluene	µg/L	10 U		20 U		
2-Chloronaphthalene	µg/L	10 U		20 U		
2-Methylphenol	µg/L	10 U		20 U		
2-Nitroaniline	µg/L	50 U		100 U		
2-Nitrophenol	µg/L	10 U		20 U		
3,3'-Dichlorobenzidine	µg/L	20 U		40 U		
2-Methylnaphthalene	µg/L	10 U		130		
3-Nitroaniline	µg/L	50 U		100 U		
4,6-Dinitro-o-cresol	µg/L	50 U		100 U		
4-Bromophenyl phenyl ether	µg/L	10 U		20 U		
4-Chloroaniline	µg/L	10 U		20 U		
4-Chlorophenyl phenyl ether	µg/L	10 U		20 U		
4-Methylphenol	µg/L	10 U		20 U		
4-Nitroaniline	µg/L	50 U		100 U		
4-Nitrophenol	µg/L	50 U		100 U		
Aniline	µg/L	10 U		20 U		
Benzidine	µg/L	100 U		200 U		
Benzoic acid	µg/L	50 U		100 U		
Benzyl alcohol	µg/L	10 U		20 U		
bis(2-chloroethoxy)methane	µg/L	10 U		20 U		
bis(2-chloroethyl)ether	µg/L	10 U		20 U		
bis(2-chloroisopropyl)ether	µg/L	10 U		20 U		
Dibenzofuran	µg/L	10 U		20 U		
Hexachlorobenzene	µg/L	10 U		20 U		
Hexachlorobutadiene	µg/L	10 U		20 U		

	Event	**Hart Crowser's Annual Monitoring (1995)**				
	Location	B-08	B-09	B-10A	B-13	B-15
	SampleID	**B-8**	**B-9**	**B-10A**	**B-13**	**B-15**
	Depth (bgs)	39.5 - 44.5 ft	38.5 - 43.5 ft	9.5 - 14.5 ft	7 - 12 ft	12 - 17 ft
	Sample Date	10/24/1995	10/25/1995	10/25/1995	10/25/1995	10/24/1995
Semivolatile Organic Compounds						
Hexachlorocyclopentadiene	µg/L	10 U		20 U		
Hexachloroethane	µg/L	10 U		20 U		
Isophorone	µg/L	10 U		20 U		
Nitrobenzene	µg/L	10 U		20 U		
N-Nitrosodimethylamine	µg/L	10 U		20 U		
N-Nitroso-di-n-propylamine	µg/L	10 U		20 U		
N-Nitrosodiphenylamine	µg/L	10 U		20 U		
Phenol	µg/L	10 U		20 U		

	Event	Hart Crowser's Annual Monitoring (1995)				
	Location	B-20	B-21	B-24	B-25	B-26
	SampleID	**B-20**	**B-21**	**B-24**	**B-25**	**B-26**
	Depth (bgs)	6 - 16 ft	38 - 43 ft	6 - 16 ft	27 - 37 ft	8.5 - 13.25 ft
	Sample Date	10/23/1995	10/23/1995	10/23/1995	10/23/1995	10/23/1995
Volatile Organic Compounds						
Tetrachloroethene	µg/L	32	740	1 U	1 U	23
Trichloroethene	µg/L	58	500 U	1 U	1 U	27
1,2-Dichloroethene (total)	µg/L	13000 J	46000	1 U	1 U	110
1,1-Dichloroethene	µg/L	41	500 U	1 U	1 U	1 U
Vinyl chloride	µg/L	6800 J	19000	1 U	1 U	1 U
1,1,1-Trichloroethane	µg/L	380	500 U	1 U	1 U	1 U
1,1,2,2-Tetrachloroethane	µg/L	10 U	500 U	1 U	1 U	1 U
1,1,2-Trichloroethane	µg/L	10 U	500 U	1 U	1 U	1 U
1,1-Dichloroethane	µg/L	230	500 U	1 U	1 U	1 U
Chloroethane	µg/L	10 U	500 U	1 U	1 U	1 U
1,2,4-Trichlorobenzene	µg/L			10 U	10 U	
1,2-Dichlorobenzene	µg/L			10 U	10 U	
1,2-Dichloroethane	µg/L	13	500 U	1 U	1 U	1 U
1,2-Dichloropropane	µg/L	10 U	500 U	1 U	1 U	1 U
1,3-Dichlorobenzene	µg/L			10 U	10 U	
1,4-Dichlorobenzene	µg/L			10 U	10 U	
2-Hexanone	µg/L	100 U	5000 U	10 U	10 U	10 U
Acetone	µg/L	160 JB	4400 J	10 U	10 U	10 U
Bromodichloromethane	µg/L	10 U	500 U	1 U	1 U	1 U
Bromoform	µg/L	50 U	2500 U	5 U	5 U	5 U
Bromomethane	µg/L	100 U	5000 U	10 U	10 U	10 U
Carbon disulfide	µg/L	10 U	500 U	1 U	1 U	1 U
Carbon tetrachloride	µg/L	10 U	500 U	1 U	1 U	1 U
Chlorobenzene	µg/L	80	500 U	1 U	1 U	1 U
Chloroform	µg/L	10 U	500 U	1 U	1 U	1 U
Chloromethane	µg/L	100 U	5000 U	10 U	10 U	10 U
cis-1,3-Dichloropropene	µg/L	10 U	500 U	1 U	1 U	1 U
Dibromochloromethane	µg/L	10 U	500 U	1 U	1 U	1 U
Dichloromethane	µg/L	44 J	2000 J	5 U	5 U	5 U
Methyl ethyl ketone	µg/L	100 U	5000 U	10 U	10 U	10 U
Methyl iso butyl ketone	µg/L	100 U	5000 U	10 U	10 U	10 U
trans-1,3-Dichloropropene	µg/L	10 U	500 U	1 U	1 U	1 U
Vinyl acetate	µg/L	100 U	5000 U	10 U	10 U	10 U
BTEX						
Benzene	µg/L	160	500 U	1 U	1 U	1 U
Toluene	µg/L	3200 J	2000	1 U	1 U	1 U
Ethylbenzene	µg/L	620	760	1 U	1 U	1 U
Xylene (total)	µg/L	1200	500 U	1 U	1 U	1 U
Alkylated Benzenes						
Styrene	µg/L	10 U	500 U	1 U	1 U	1 U
Semivolatile Organic Compounds						
Benzo(a)anthracene	µg/L			10 U	10 U	
Benzo(a)pyrene	µg/L			10 U	10 U	
Benzo(g,h,i)perylene	µg/L			10 U	10 U	
Benzo(b)fluoranthene	µg/L			10 U	10 U	
Benzo(k)fluoranthene	µg/L			10 U	10 U	
Chrysene	µg/L			10 U	10 U	
Dibenzo(a,h)anthracene	µg/L			10 U	10 U	

	Event	Hart Crowser's Annual Monitoring (1995)				
	Location	B-20	B-21	B-24	B-25	B-26
	SampleID	**B-20**	**B-21**	**B-24**	**B-25**	**B-26**
	Depth (bgs)	6 - 16 ft	38 - 43 ft	6 - 16 ft	27 - 37 ft	8.5 - 13.25 ft
	Sample Date	10/23/1995	10/23/1995	10/23/1995	10/23/1995	10/23/1995
Semivolatile Organic Compounds						
Fluoranthene	µg/L			10 U	10 U	
Indeno(1,2,3-cd)pyrene	µg/L			10 U	10 U	
Pyrene	µg/L			10 U	10 U	
Acenaphthene	µg/L			10 U	10 U	
Acenaphthylene	µg/L			10 U	10 U	
Anthracene	µg/L			10 U	10 U	
Fluorene	µg/L			10 U	10 U	
Naphthalene	µg/L			10 U	10 U	
Phenanthrene	µg/L			10 U	10 U	
bis(2-ethylhexyl)phthalate	µg/L			2 J	4 J	
Di-n-butyl phthalate	µg/L			0.3 J	10 U	
Butyl benzyl phthalate	µg/L			10 U	10 U	
Diethylphthalate	µg/L			10 U	0.3 J	
Dimethyl phthalate	µg/L			10 U	10 U	
Di-n-octyl phthalate	µg/L			0.4 J	10 U	
Pentachlorophenol	µg/L	33	0.11	0.05	0.14	
2,4-Dichlorophenol	µg/L			10 U	10 U	
2,4,5-Trichlorophenol	µg/L			50 U	50 U	
2,4,6-Trichlorophenol	µg/L			10 U	10 U	
2-Chlorophenol	µg/L			10 U	10 U	
2,4-Dimethylphenol	µg/L			10 U	10 U	
2,4-Dinitrophenol	µg/L			50 U	50 U	
2,4-Dinitrotoluene	µg/L			10 U	10 U	
2,6-Dinitrotoluene	µg/L			10 U	10 U	
2-Chloronaphthalene	µg/L			10 U	10 U	
2-Methylphenol	µg/L			10 U	10 U	
2-Nitroaniline	µg/L			50 U	50 U	
2-Nitrophenol	µg/L			10 U	10 U	
3,3'-Dichlorobenzidine	µg/L			20 U	20 U	
2-Methylnaphthalene	µg/L			10 U	10 U	
3-Nitroaniline	µg/L			50 U	50 U	
4,6-Dinitro-o-cresol	µg/L			50 U	50 U	
4-Bromophenyl phenyl ether	µg/L			10 U	10 U	
4-Chloroaniline	µg/L			10 U	10 U	
4-Chlorophenyl phenyl ether	µg/L			10 U	10 U	
4-Methylphenol	µg/L			10 U	10 U	
4-Nitroaniline	µg/L			50 U	50 U	
4-Nitrophenol	µg/L			50 U	50 U	
Aniline	µg/L			10 U	10 U	
Benzidine	µg/L			100 U	100 U	
Benzoic acid	µg/L			50 U	50 U	
Benzyl alcohol	µg/L			10 U	10 U	
bis(2-chloroethoxy)methane	µg/L			10 U	10 U	
bis(2-chloroethyl)ether	µg/L			10 U	10 U	
bis(2-chloroisopropyl)ether	µg/L			10 U	10 U	
Dibenzofuran	µg/L			10 U	10 U	
Hexachlorobenzene	µg/L			10 U	10 U	
Hexachlorobutadiene	µg/L			10 U	10 U	

	Event	**Hart Crowser's Annual Monitoring (1995)**				
	Location	B-20	B-21	B-24	B-25	B-26
	SampleID	**B-20**	**B-21**	**B-24**	**B-25**	**B-26**
	Depth (bgs)	6 - 16 ft	38 - 43 ft	6 - 16 ft	27 - 37 ft	8.5 - 13.25 ft
	Sample Date	10/23/1995	10/23/1995	10/23/1995	10/23/1995	10/23/1995
Semivolatile Organic Compounds						
Hexachlorocyclopentadiene	µg/L			10 U	10 U	
Hexachloroethane	µg/L			10 U	10 U	
Isophorone	µg/L			10 U	10 U	
Nitrobenzene	µg/L			10 U	10 U	
N-Nitrosodimethylamine	µg/L			10 U	10 U	
N-Nitroso-di-n-propylamine	µg/L			10 U	10 U	
N-Nitrosodiphenylamine	µg/L			10 U	10 U	
Phenol	µg/L			10 U	10 U	

	Event	**Hart Crowser's Annual Monitoring (1995)**				
	Location	B-27	B-30	B-31	B-33A	B-34
	SampleID	**B-27**	**B-30**	**B-31**	**B-33A**	**B-34**
	Depth (bgs)	42.5 - 47.5 ft	8 - 15 ft	6.5 - 11.5 ft	28 - 38 ft	7.5 - 12.5 ft
	Sample Date	10/23/1995	10/25/1995	10/24/1995	10/25/1995	10/25/1995
Volatile Organic Compounds						
Tetrachloroethene	µg/L	1 U	150000 J	160000 J	53	32
Trichloroethene	µg/L	1 U	44000 J	57000 J	62	20 U
1,2-Dichloroethene (total)	µg/L	1 U	80000 J	31000 J	27000 J	42
1,1-Dichloroethene	µg/L	1 U	130 J	200	85	20 U
Vinyl chloride	µg/L	6	270 J	130	3400	20 U
1,1,1-Trichloroethane	µg/L	1 U	9100 J	14000 J	20 U	20 U
1,1,2,2-Tetrachloroethane	µg/L	1 U	100 U	20 U	20 U	20 U
1,1,2-Trichloroethane	µg/L	1 U	100 U	71	20 U	20 U
1,1-Dichloroethane	µg/L	1 U	1300 J	1500	52	20 U
Chloroethane	µg/L	1 U	100 U	20 U	20 U	20 U
1,2,4-Trichlorobenzene	µg/L		200 U	10 U		
1,2-Dichlorobenzene	µg/L		200 U	1 U		
1,2-Dichloroethane	µg/L	1 U	170 J	69	20 U	20 U
1,2-Dichloropropane	µg/L	1 U	100 U	20 U	20 U	20 U
1,3-Dichlorobenzene	µg/L		200 U	10 U		
1,4-Dichlorobenzene	µg/L		200 U	10 U		
2-Hexanone	µg/L	10 U	1000 U	200 U	200 U	200 U
Acetone	µg/L	10 U	16000 J	2000	200 U	10 U
Bromodichloromethane	µg/L	1 U	100 U	400 U	20 U	20 U
Bromoform	µg/L	5 U	500 U	100 U	100 U	100 U
Bromomethane	µg/L	10 U	1000 U	200 U	200 U	200 U
Carbon disulfide	µg/L	1 U	100 U	28	20 U	20 U
Carbon tetrachloride	µg/L	1 U	100 U	20 U	20 U	20 U
Chlorobenzene	µg/L	1 U	100 U	20 U	20 U	20 U
Chloroform	µg/L	1 U	100 U	82	20 U	20 U
Chloromethane	µg/L	10 U	1000 U	200 U	200 U	200 U
cis-1,3-Dichloropropene	µg/L	1 U	100 U	20 U	20 U	20 U
Dibromochloromethane	µg/L	1 U	100 U	20 U	20 U	20 U
Dichloromethane	µg/L	5 U	8300 J	6900 J	57 J	5 U
Methyl ethyl ketone	µg/L	10 U	3500 J	4600 J	200 U	200 U
Methyl iso butyl ketone	µg/L	10 U	7000 J	2800	200 U	200 U
trans-1,3-Dichloropropene	µg/L	1 U	100 U	20 U	20 U	20 U
Vinyl acetate	µg/L	10 U	1000 U	200 U	200 U	200 U
BTEX						
Benzene	µg/L	1 U	1100 J	520	20	20 U
Toluene	µg/L	1 U	46000 J	32000 J	20 U	20 U
Ethylbenzene	µg/L	1 U	1400 J	410	20 U	20 U
Xylene (total)	µg/L	1 U	5400 J	2200	20 U	20 U
Alkylated Benzenes						
Styrene	µg/L	1 U	410 J	230	20 U	20 U
Semivolatile Organic Compounds						
Benzo(a)anthracene	µg/L		200 U	10 U		
Benzo(a)pyrene	µg/L		200 U	10 U		
Benzo(g,h,i)perylene	µg/L		200 U	10 U		
Benzo(b)fluoranthene	µg/L		200 U	10 U		
Benzo(k)fluoranthene	µg/L		200 U	10 U		
Chrysene	µg/L		200 U	10 U		
Dibenzo(a,h)anthracene	µg/L		200 U	10 U		

	Event	Hart Crowser's Annual Monitoring (1995)				
	Location	B-27	B-30	B-31	B-33A	B-34
	SampleID	**B-27**	**B-30**	**B-31**	**B-33A**	**B-34**
	Depth (bgs)	42.5 - 47.5 ft	8 - 15 ft	6.5 - 11.5 ft	28 - 38 ft	7.5 - 12.5 ft
	Sample Date	10/23/1995	10/25/1995	10/24/1995	10/25/1995	10/25/1995
Semivolatile Organic Compounds						
Fluoranthene	µg/L		200 U	10 U		
Indeno(1,2,3-cd)pyrene	µg/L		200 U	10 U		
Pyrene	µg/L		200 U	10 U		
Acenaphthene	µg/L		200 U	0.8 J		
Acenaphthylene	µg/L		200 U	10 U		
Anthracene	µg/L		200 U	10 U		
Fluorene	µg/L		200 U	10 U		
Naphthalene	µg/L		170 J	10 U		
Phenanthrene	µg/L		200 U	0.4 J		
bis(2-ethylhexyl)phthalate	µg/L		1900 JB	39 J		
Di-n-butyl phthalate	µg/L		310	10 U		
Butyl benzyl phthalate	µg/L		200 U	10 U		
Diethylphthalate	µg/L		27 J	1 J		
Dimethyl phthalate	µg/L		200 U	10 U		
Di-n-octyl phthalate	µg/L		200 U	10 U		
Pentachlorophenol	µg/L		140 J	1300 J		
2,4-Dichlorophenol	µg/L		200 U	10 U		
2,4,5-Trichlorophenol	µg/L		1000 U	50 U		
2,4,6-Trichlorophenol	µg/L		200 U	10 U		
2-Chlorophenol	µg/L		200 U	10 U		
2,4-Dimethylphenol	µg/L		200 U	65 J		
2,4-Dinitrophenol	µg/L		1000 U	50 U		
2,4-Dinitrotoluene	µg/L		200 U	10 U		
2,6-Dinitrotoluene	µg/L		200 U	10 U		
2-Chloronaphthalene	µg/L		200 U	10 U		
2-Methylphenol	µg/L		200 U	120 J		
2-Nitroaniline	µg/L		1000 U	50 U		
2-Nitrophenol	µg/L		200 U	10 U		
3,3'-Dichlorobenzidine	µg/L		400 U	20 U		
2-Methylnaphthalene	µg/L		58 J	10 U		
3-Nitroaniline	µg/L		1000 U	50 U		
4,6-Dinitro-o-cresol	µg/L		1000 U	50 U		
4-Bromophenyl phenyl ether	µg/L		200 U	10 U		
4-Chloroaniline	µg/L		200 U	10 U		
4-Chlorophenyl phenyl ether	µg/L		200 U	10 U		
4-Methylphenol	µg/L		200 U	54 J		
4-Nitroaniline	µg/L		1000 U	50 U		
4-Nitrophenol	µg/L		1000 U	50 U		
Aniline	µg/L		200 U	10 U		
Benzidine	µg/L		2000 U	100 U		
Benzoic acid	µg/L		1000 U	8 J		
Benzyl alcohol	µg/L		200 U	9 J		
bis(2-chloroethoxy)methane	µg/L		200 U	10 U		
bis(2-chloroethyl)ether	µg/L		200 U	10 U		
bis(2-chloroisopropyl)ether	µg/L		200 U	10 U		
Dibenzofuran	µg/L		200 U	10 U		
Hexachlorobenzene	µg/L		200 U	10 U		
Hexachlorobutadiene	µg/L		200 U	10 U		

	Event	**Hart Crowser's Annual Monitoring (1995)**				
	Location	B-27	B-30	B-31	B-33A	B-34
	SampleID	**B-27**	**B-30**	**B-31**	**B-33A**	**B-34**
	Depth (bgs)	42.5 - 47.5 ft	8 - 15 ft	6.5 - 11.5 ft	28 - 38 ft	7.5 - 12.5 ft
	Sample Date	10/23/1995	10/25/1995	10/24/1995	10/25/1995	10/25/1995
Semivolatile Organic Compounds						
Hexachlorocyclopentadiene	µg/L		200 U	10 U		
Hexachloroethane	µg/L		200 U	10 U		
Isophorone	µg/L		200 U	10 U		
Nitrobenzene	µg/L		200 U	10 U		
N-Nitrosodimethylamine	µg/L		200 U	10 U		
N-Nitroso-di-n-propylamine	µg/L		200 U	10 U		
N-Nitrosodiphenylamine	µg/L		200 U	10 U		
Phenol	µg/L		200 U	17 J		

	Event	Hart Crowser's Annual Monitoring (1995)				
	Location	B-35	B-36	B-39	B-44	B-45
	SampleID	**B-35**	**B-36**	**B-39**	**B-44**	**B-45**
	Depth (bgs)	19.5 - 29.5 ft	6 - 11 ft	5.5 - 11.82 ft	9.5 - 15.5 ft	37 - 47 ft
	Sample Date	10/24/1995	10/24/1995	10/25/1995	10/24/1995	10/24/1995
Volatile Organic Compounds						
Tetrachloroethene	µg/L	2	7		81000 J	1500
Trichloroethene	µg/L	5	3		15000	12000 J
1,2-Dichloroethene (total)	µg/L	5	3		63000 J	15000 J
1,1-Dichloroethene	µg/L	1 U	1 U		100 U	20
Vinyl chloride	µg/L	29	2		1300	96
1,1,1-Trichloroethane	µg/L	1 U	1 U		2700	10 U
1,1,2,2-Tetrachloroethane	µg/L	1 U	1 U		100 U	10 U
1,1,2-Trichloroethane	µg/L	1 U	1 U		100 U	10 U
1,1-Dichloroethane	µg/L	36	1 U		330	10 U
Chloroethane	µg/L	3	1 U		100 U	10 U
1,2,4-Trichlorobenzene	µg/L			100 U		
1,2-Dichlorobenzene	µg/L			560		
1,2-Dichloroethane	µg/L	1 U	1 U		100 U	10 U
1,2-Dichloropropane	µg/L	1 U	1 U		100 U	10 U
1,3-Dichlorobenzene	µg/L			100 U		
1,4-Dichlorobenzene	µg/L			170		
2-Hexanone	µg/L	10 U	10 U		1000 U	100 U
Acetone	µg/L	10 U	6 J		1100 JB	160 JB
Bromodichloromethane	µg/L	1 U	1 U		100 U	10 U
Bromoform	µg/L	5 U	5 U		500 U	50 U
Bromomethane	µg/L	10 U	10 U		1000 U	100 U
Carbon disulfide	µg/L	1 U	1 U		100 U	10 U
Carbon tetrachloride	µg/L	1 U	1 U		100 U	10 U
Chlorobenzene	µg/L	1 U	1 U		100 U	10 U
Chloroform	µg/L	1 U	1 U		100 U	10 U
Chloromethane	µg/L	10 U	10 U		1000 U	100 U
cis-1,3-Dichloropropene	µg/L	1 U	1 U		100 U	10 U
Dibromochloromethane	µg/L	1 U	1 U		100 U	10 U
Dichloromethane	µg/L	3 J	5 U		1100 JB	40 J
Methyl ethyl ketone	µg/L	10 U	10 U		1000 U	100 U
Methyl iso butyl ketone	µg/L	10 U	10 U		1000 U	100 U
trans-1,3-Dichloropropene	µg/L	1 U	1 U		100 U	10 U
Vinyl acetate	µg/L	10 U	10 U		1000 U	100 U
BTEX						
Benzene	µg/L	10	1 U		240	18
Toluene	µg/L	130	1 U		12000	220
Ethylbenzene	µg/L	9	1 U		470	100
Xylene (total)	µg/L	18	1 U		2000	38
Alkylated Benzenes						
Styrene	µg/L	1 U	1 U		130	10 U
Semivolatile Organic Compounds						
Benzo(a)anthracene	µg/L			100 U		
Benzo(a)pyrene	µg/L			100 U		
Benzo(g,h,i)perylene	µg/L			100 U		
Benzo(b)fluoranthene	µg/L			100 U		
Benzo(k)fluoranthene	µg/L			100 U		
Chrysene	µg/L			100 U		
Dibenzo(a,h)anthracene	µg/L			100 U		

	Event	Hart Crowser's Annual Monitoring (1995)				
	Location	B-35	B-36	B-39	B-44	B-45
	SampleID	**B-35**	**B-36**	**B-39**	**B-44**	**B-45**
	Depth (bgs)	19.5 - 29.5 ft	6 - 11 ft	5.5 - 11.82 ft	9.5 - 15.5 ft	37 - 47 ft
	Sample Date	10/24/1995	10/24/1995	10/25/1995	10/24/1995	10/24/1995
Semivolatile Organic Compounds						
Fluoranthene	µg/L			100 U		
Indeno(1,2,3-cd)pyrene	µg/L			100 U		
Pyrene	µg/L			100 U		
Acenaphthene	µg/L			100 U		
Acenaphthylene	µg/L			100 U		
Anthracene	µg/L			100 U		
Fluorene	µg/L			100 U		
Naphthalene	µg/L			78 J		
Phenanthrene	µg/L			100 U		
bis(2-ethylhexyl)phthalate	µg/L			650 JB		
Di-n-butyl phthalate	µg/L			39 J		
Butyl benzyl phthalate	µg/L			100 U		
Diethylphthalate	µg/L			100 U		
Dimethyl phthalate	µg/L			100 U		
Di-n-octyl phthalate	µg/L			100 U		
Pentachlorophenol	µg/L			670		
2,4-Dichlorophenol	µg/L			100 U		
2,4,5-Trichlorophenol	µg/L			500 U		
2,4,6-Trichlorophenol	µg/L			100 U		
2-Chlorophenol	µg/L			100 U		
2,4-Dimethylphenol	µg/L			300		
2,4-Dinitrophenol	µg/L			500 U		
2,4-Dinitrotoluene	µg/L			100 U		
2,6-Dinitrotoluene	µg/L			100 U		
2-Chloronaphthalene	µg/L			100 U		
2-Methylphenol	µg/L			230		
2-Nitroaniline	µg/L			500 U		
2-Nitrophenol	µg/L			100 U		
3,3'-Dichlorobenzidine	µg/L			200 U		
2-Methylnaphthalene	µg/L			5 J		
3-Nitroaniline	µg/L			500 U		
4,6-Dinitro-o-cresol	µg/L			500 U		
4-Bromophenyl phenyl ether	µg/L			100 U		
4-Chloroaniline	µg/L			100 U		
4-Chlorophenyl phenyl ether	µg/L			100 U		
4-Methylphenol	µg/L			650		
4-Nitroaniline	µg/L			500 U		
4-Nitrophenol	µg/L			500 U		
Aniline	µg/L			100 U		
Benzidine	µg/L			1000 U		
Benzoic acid	µg/L			500 U		
Benzyl alcohol	µg/L			100 U		
bis(2-chloroethoxy)methane	µg/L			100 U		
bis(2-chloroethyl)ether	µg/L			100 U		
bis(2-chloroisopropyl)ether	µg/L			100 U		
Dibenzofuran	µg/L			100 U		
Hexachlorobenzene	µg/L			100 U		
Hexachlorobutadiene	µg/L			100 U		

	Event	Hart Crowser's Annual Monitoring (1995)				
	Location	B-35	B-36	B-39	B-44	B-45
	SampleID	**B-35**	**B-36**	**B-39**	**B-44**	**B-45**
	Depth (bgs)	19.5 - 29.5 ft	6 - 11 ft	5.5 - 11.82 ft	9.5 - 15.5 ft	37 - 47 ft
	Sample Date	10/24/1995	10/24/1995	10/25/1995	10/24/1995	10/24/1995
Semivolatile Organic Compounds						
Hexachlorocyclopentadiene	µg/L			100 U		
Hexachloroethane	µg/L			100 U		
Isophorone	µg/L			100 U		
Nitrobenzene	µg/L			100 U		
N-Nitrosodimethylamine	µg/L			100 U		
N-Nitroso-di-n-propylamine	µg/L			100 U		
N-Nitrosodiphenylamine	µg/L			100 U		
Phenol	µg/L			100 U		

	Event	Hart Crowser's Annual Monitoring (1995)				
	Location	B-49				
	SampleID	**B-49**				
	Depth (bgs)	9.5 - 15.5 ft				
	Sample Date	10/25/1995				
Volatile Organic Compounds						
Tetrachloroethene	µg/L	110000 J				
Trichloroethene	µg/L	33000 J				
1,2-Dichloroethene (total)	µg/L	72000 J				
1,1-Dichloroethene	µg/L	160				
Vinyl chloride	µg/L	1000				
1,1,1-Trichloroethane	µg/L	6500 J				
1,1,2,2-Tetrachloroethane	µg/L	20 U				
1,1,2-Trichloroethane	µg/L	23				
1,1-Dichloroethane	µg/L	520				
Chloroethane	µg/L	20 U				
1,2-Dichloroethane	µg/L	170				
1,2-Dichloropropane	µg/L	20 U				
2-Hexanone	µg/L	200 U				
Acetone	µg/L	3200 J				
Bromodichloromethane	µg/L	200 U				
Bromoform	µg/L	100 U				
Bromomethane	µg/L	200 U				
Carbon disulfide	µg/L	60				
Carbon tetrachloride	µg/L	20 U				
Chlorobenzene	µg/L	20 U				
Chloroform	µg/L	30				
Chloromethane	µg/L	200 U				
cis-1,3-Dichloropropene	µg/L	20 U				
Dibromochloromethane	µg/L	20 U				
Dichloromethane	µg/L	1900				
Methyl ethyl ketone	µg/L	200 U				
Methyl iso butyl ketone	µg/L	1800				
trans-1,3-Dichloropropene	µg/L	20 U				
Vinyl acetate	µg/L	200 U				
BTEX						
Benzene	µg/L	500				
Toluene	µg/L	53000 J				
Ethylbenzene	µg/L	1100				
Xylene (total)	µg/L	4500				
Alkylated Benzenes						
Styrene	µg/L	1100				

	Event	**Hart Crowser's IRM**				
	Location	B-12	B-12	B-12	B-12	B-12
	SampleID	**B-12-1**	**B-12-2**	**B-12-3**	**B-12-3 DUP**	**B-12-4**
	Depth (bgs)	10.5 - 13 ft	10.5 - 13 ft	10.5 - 13 ft	10.5 - 13 ft	10.5 - 13 ft
	Sample Date	08/26/1993	08/25/1993	08/25/1993	08/25/1993	08/26/1993
Volatile Organic Compounds						
Tetrachloroethene	µg/L	170	360	0.02 U	0.01 U	170
Trichloroethene	µg/L	34	49	0.02 U	0.01 U	29
cis-1,2-Dichloroethene	µg/L	32	25	0.02 U	0.01 U	30
Vinyl chloride	µg/L	5 U	1 U	0.01 U	0.005 U	5 U

	Event	**Hart Crowser's IRM**				
	Location	B-12	B-12	B-12	B-12	B-12
	SampleID	**B-12-5**	**B-12-5 DUP**	**B-12-6**	**B-12-6 DUP**	**B-12-7**
	Depth (bgs)	10.5 - 13 ft	10.5 - 13 ft	10.5 - 13 ft	10.5 - 13 ft	10.5 - 13 ft
	Sample Date	08/26/1993	08/25/1993	08/25/1993	08/25/1993	08/26/1993
Volatile Organic Compounds						
Tetrachloroethene	µg/L	270	310	0.02 U	0.006 J	160
Trichloroethene	µg/L	27	22	0.02 U	0.01 U	40
cis-1,2-Dichloroethene	µg/L	25	16	0.02 U	0.01 U	58
Vinyl chloride	µg/L	0.43	1 U	0.01 U	0.005 U	5 U

	Event	**Hart Crowser's IRM**				
	Location	B-12	B-12	B-12	B-12	B-12
	SampleID	**B-12-8**	**B-12-9**	**B-12-9 DUP**	**B-12-10**	**B-12-11**
	Depth (bgs)	10.5 - 13 ft	10.5 - 13 ft	10.5 - 13 ft	10.5 - 13 ft	10.5 - 13 ft
	Sample Date	08/26/1993	08/26/1993	08/25/1993	08/26/1993	08/26/1993
Volatile Organic Compounds						
Tetrachloroethene	µg/L	100	0.26	0.29	120	99
Trichloroethene	µg/L	29	0.01 U	0.01 U	26	24
cis-1,2-Dichloroethene	µg/L	36	0.01 U	0.01 U	44	35
Vinyl chloride	µg/L	0.84	0.005 U	0.005 U	5 U	2 U

	Event	**Hart Crowser's IRM**				
	Location	B-12	B-12	B-12	B-12	B-12
	SampleID	**B-12-12**	**B-12-13**	**B-12-14**	**B-12-15**	**B-12-15 DUP**
	Depth (bgs)	10.5 - 13 ft	10.5 - 13 ft	10.5 - 13 ft	10.5 - 13 ft	10.5 - 13 ft
	Sample Date	08/26/1993	08/29/1993	08/29/1993	08/28/1993	08/25/1993
Volatile Organic Compounds						
Tetrachloroethene	µg/L	0.03	130	140	0.58	0.38
Trichloroethene	µg/L	0.01 U	35	25	0.01 U	0.01 U
cis-1,2-Dichloroethene	µg/L	0.01 U	62	40	0.01 U	0.01 U
Vinyl chloride	µg/L	0.005 U	2.5 U	2.2	0.005 U	0.005 U

	Event	Hart Crowser's IRM				
	Location	B-46	B-46	B-46	B-46	B-46
	SampleID	**B-46-1**	**B-46-2**	**B-46-5**	**B-46-6**	**B-46-7**
	Depth (bgs)	7.3 - 13.3 ft	7.3 - 13.3 ft	7.3 - 13.3 ft	7.3 - 13.3 ft	7.3 - 13.3 ft
	Sample Date	08/25/1993	08/28/1993	08/29/1993	08/28/1993	08/29/1993
Volatile Organic Compounds						
Tetrachloroethene	µg/L	58000	0.04	70	0.01	68
Trichloroethene	µg/L	18	0.01 U	17	0.01 U	18
1,2-Dichloroethene (total)	µg/L	71000				
cis-1,2-Dichloroethene	µg/L	66	0.01 U	44	0.01 U	47
1,1-Dichloroethene	µg/L	210				
Vinyl chloride	µg/L	3.3	0.005 U	2.6	0.005 U	2.1
1,1,1-Trichloroethane	µg/L	1900				
1,1,2,2-Tetrachloroethane	µg/L	100 U				
1,1,2-Trichloroethane	µg/L	100 U				
1,1-Dichloroethane	µg/L	320				
Chloroethane	µg/L	100 U				
1,2,4-Trichlorobenzene	µg/L	9 U				
1,2-Dichlorobenzene	µg/L	94				
1,2-Dichloroethane	µg/L	100 U				
1,2-Dichloropropane	µg/L	100 U				
1,3-Dichlorobenzene	µg/L	7 J				
1,4-Dichlorobenzene	µg/L	37				
2-Hexanone	µg/L	1000 U				
Acetone	µg/L	2900				
Bromodichloromethane	µg/L	100 U				
Bromoform	µg/L	500 U				
Bromomethane	µg/L	1000 U				
Carbon disulfide	µg/L	100 U				
Carbon tetrachloride	µg/L	100 U				
Chlorobenzene	µg/L	100 U				
Chloroform	µg/L	100 U				
Chloromethane	µg/L	1000 U				
cis-1,3-Dichloropropene	µg/L	100 U				
Dibromochloromethane	µg/L	100 U				
Dichloromethane	µg/L	1100				
Methyl ethyl ketone	µg/L	1200				
Methyl iso butyl ketone	µg/L	1200				
trans-1,3-Dichloropropene	µg/L	100 U				
Vinyl acetate	µg/L	1000 U				
BTEX						
Benzene	µg/L	200				
Toluene	µg/L	3000				
Ethylbenzene	µg/L	610				
Xylene (total)	µg/L	1800				
Alkylated Benzenes						
Styrene	µg/L	100 U				
Semivolatile Organic Compounds						
Benzo(a)anthracene	µg/L	9 U				
Benzo(a)pyrene	µg/L	9 U				
Benzo(g,h,i)perylene	µg/L	9 U				
Benzo(b)fluoranthene	µg/L	9 U				
Benzo(k)fluoranthene	µg/L	9 U				
Chrysene	µg/L	9 U				

	Event	Hart Crowser's IRM				
	Location	B-46	B-46	B-46	B-46	B-46
	SampleID	**B-46-1**	**B-46-2**	**B-46-5**	**B-46-6**	**B-46-7**
	Depth (bgs)	7.3 - 13.3 ft	7.3 - 13.3 ft	7.3 - 13.3 ft	7.3 - 13.3 ft	7.3 - 13.3 ft
	Sample Date	08/25/1993	08/28/1993	08/29/1993	08/28/1993	08/29/1993
Semivolatile Organic Compounds						
Dibenzo(a,h)anthracene	µg/L	9 U				
Fluoranthene	µg/L	9 U				
Indeno(1,2,3-cd)pyrene	µg/L	9 U				
Pyrene	µg/L	9 U				
1-Methylnaphthalene	µg/L	9 U				
Acenaphthene	µg/L	9 U				
Acenaphthylene	µg/L	9 U				
Anthracene	µg/L	9 U				
Fluorene	µg/L	9 U				
Naphthalene	µg/L	9 U				
Phenanthrene	µg/L	9 U				
bis(2-ethylhexyl)phthalate	µg/L	9 U				
Di-n-butyl phthalate	µg/L	49				
Butyl benzyl phthalate	µg/L	9 U				
Diethylphthalate	µg/L	9 U				
Dimethyl phthalate	µg/L	9 U				
Di-n-octyl phthalate	µg/L	9 U				
Pentachlorophenol	µg/L	950				
Tetrachlorophenols (total)	µg/L	52				
2,4-Dichlorophenol	µg/L	47 U				
2,4,5-Trichlorophenol	µg/L	47 U				
2,4,6-Trichlorophenol	µg/L	9.4 U				
2-Chlorophenol	µg/L	9 U				
2,4-Dimethylphenol	µg/L	37				
2,4-Dinitrophenol	µg/L	47 U				
2,4-Dinitrotoluene	µg/L	9 U				
2,6-Dinitrotoluene	µg/L	9 U				
2-Chloronaphthalene	µg/L	9 U				
2-Methylphenol	µg/L	64				
2-Nitroaniline	µg/L	47 U				
2-Nitrophenol	µg/L	9 U				
3,3'-Dichlorobenzidine	µg/L	19 U				
2-Methylnaphthalene	µg/L	6 J				
3-Nitroaniline	µg/L	47 U				
4,6-Dinitro-o-cresol	µg/L	47 U				
4-Bromophenyl phenyl ether	µg/L	9 U				
4-Chloro-3-methylphenol	µg/L	9 U				
4-Chloroaniline	µg/L	9 U				
4-Chlorophenyl phenyl ether	µg/L	9 U				
4-Methylphenol	µg/L	140				
4-Nitroaniline	µg/L	47 U				
4-Nitrophenol	µg/L	47 U				
Aniline	µg/L	9 U				
Benzidine	µg/L	94 U				
Benzoic acid	µg/L	47 U				
Benzyl alcohol	µg/L	9 U				
bis(2-chloroethoxy)methane	µg/L	9 U				
bis(2-chloroethyl)ether	µg/L	9 U				

	Event	Hart Crowser's IRM				
	Location	B-46	B-46	B-46	B-46	B-46
	SampleID	**B-46-1**	**B-46-2**	**B-46-5**	**B-46-6**	**B-46-7**
	Depth (bgs)	7.3 - 13.3 ft	7.3 - 13.3 ft	7.3 - 13.3 ft	7.3 - 13.3 ft	7.3 - 13.3 ft
	Sample Date	08/25/1993	08/28/1993	08/29/1993	08/28/1993	08/29/1993
Semivolatile Organic Compounds						
bis(2-chloroisopropyl)ether	µg/L	9 U				
Dibenzofuran	µg/L	9 U				
Hexachlorobenzene	µg/L	9 U				
Hexachlorobutadiene	µg/L	9 U				
Hexachlorocyclopentadiene	µg/L	9 U				
Hexachloroethane	µg/L	9 U				
Isophorone	µg/L	9 U				
Nitrobenzene	µg/L	9 U				
N-Nitrosodimethylamine	µg/L	9 U				
N-Nitroso-di-n-propylamine	µg/L	9 U				
N-Nitrosodiphenylamine	µg/L	9 U				
Phenol	µg/L	24				

	Event	**Hart Crowser's IRM**				
	Location	B-46	B-46	B-46		
	SampleID	**B-46-8**	**B-46-9**	**B-46-10**		
	Depth (bgs)	7.3 - 13.3 ft	7.3 - 13.3 ft	7.3 - 13.3 ft		
	Sample Date	08/28/1993	08/29/1993	08/28/1993		
Volatile Organic Compounds						
Tetrachloroethene	µg/L	0.01 U	67	0.01 U		
Trichloroethene	µg/L	0.01 U	17	0.01 U		
cis-1,2-Dichloroethene	µg/L	0.01 U	42	0.01 U		
Vinyl chloride	µg/L	0.005 U	2.8	0.01		

	Event	Hart Crowser's RI Event 3				
	Location	B-08	B-09	B-10A	B-13	B-15
	SampleID	**B-8**	**B-9**	**B-10A**	**B-13**	**B-15**
	Depth (bgs)	39.5 - 44.5 ft	38.5 - 43.5 ft	9.5 - 14.5 ft	7 - 12 ft	12 - 17 ft
	Sample Date	08/12/1993	08/12/1993	08/12/1993	08/13/1993	08/12/1993
Volatile Organic Compounds						
Tetrachloroethene	µg/L	4600	85	1300	7300	55000
Trichloroethene	µg/L	7800	16	1100	500	16000
1,2-Dichloroethene (total)	µg/L	900	65	9100	230	38000
1,1-Dichloroethene	µg/L	10 U	1 U	20	10 U	150
Vinyl chloride	µg/L	10 U	9	1600	10 U	73
1,1,1-Trichloroethane	µg/L	10 U	1 U	10 U	10 U	990
1,1,2,2-Tetrachloroethane	µg/L	10 U	1 U	10 U	10 U	50 U
1,1,2-Trichloroethane	µg/L	10 U	1 U	10 U	10 U	50 U
1,1-Dichloroethane	µg/L	10 U	2	110	10 U	470
Chloroethane	µg/L	10 U	1 U	10 U	10 U	50 U
1,2,4-Trichlorobenzene	µg/L	9 U		10 U		
1,2-Dichlorobenzene	µg/L	9 U		10 U		
1,2-Dichloroethane	µg/L	10 U	48	10 U	10 U	50 U
1,2-Dichloropropane	µg/L	10 U	1 U	54	10 U	50 U
1,3-Dichlorobenzene	µg/L	9 U		10 U		
1,4-Dichlorobenzene	µg/L	9 U		10 U		
2-Hexanone	µg/L	100 U	10 U	100 U	100 U	500 U
Acetone	µg/L	100 U	10 U	100 U	100 U	540 U
Bromodichloromethane	µg/L	10 U	1 U	10 U	10 U	50 U
Bromoform	µg/L	50 U	5 U	50 U	50 U	250 U
Bromomethane	µg/L	100 U	10 U	100 U	100 U	500 U
Carbon disulfide	µg/L	10 U	1 U	10 U	10 U	50 U
Carbon tetrachloride	µg/L	10 U	1 U	10 U	10 U	50 U
Chlorobenzene	µg/L	10 U	1 U	10 U	10 U	50 U
Chloroform	µg/L	10 U	1 U	10 U	10 U	50 U
Chloromethane	µg/L	100 U	10 U	100 U	100 U	500 U
cis-1,3-Dichloropropene	µg/L	10 U	1 U	10 U	10 U	50 U
Dibromochloromethane	µg/L	10 U	1 U	10 U	10 U	50 U
Dichloromethane	µg/L	50 U	5 U	50 U	50 U	1500
Methyl ethyl ketone	µg/L	100 U	10 U	100 U	100 U	500 U
Methyl iso butyl ketone	µg/L	100 U	10 U	100 U	100 U	500 U
trans-1,3-Dichloropropene	µg/L	10 U	1 U	10 U	10 U	50 U
Vinyl acetate	µg/L	100 U	10 U	100 U	100 U	500 U
BTEX						
Benzene	µg/L	10 U	1 U	110	10 U	59
Toluene	µg/L	30	5	890	10 U	540
Ethylbenzene	µg/L	10 U	1 U	630	10 U	190
Xylene (total)	µg/L	10 U	2	2800	10 U	1500
Alkylated Benzenes						
Styrene	µg/L	10 U	1 U	10 U	10 U	50 U
Semivolatile Organic Compounds						
Benzo(a)anthracene	µg/L	9 U		10 U		
Benzo(a)pyrene	µg/L	9 U		10 U		
Benzo(g,h,i)perylene	µg/L	9 U		10 U		
Benzo(b)fluoranthene	µg/L	9 U		10 U		
Benzo(k)fluoranthene	µg/L	9 U		10 U		
Chrysene	µg/L	9 U		10 U		
Dibenzo(a,h)anthracene	µg/L	9 U		10 U		

	Event	Hart Crowser's RI Event 3				
	Location	B-08	B-09	B-10A	B-13	B-15
	SampleID	**B-8**	**B-9**	**B-10A**	**B-13**	**B-15**
	Depth (bgs)	39.5 - 44.5 ft	38.5 - 43.5 ft	9.5 - 14.5 ft	7 - 12 ft	12 - 17 ft
	Sample Date	08/12/1993	08/12/1993	08/12/1993	08/13/1993	08/12/1993
Semivolatile Organic Compounds						
Fluoranthene	µg/L	9 U		10 U		
Indeno(1,2,3-cd)pyrene	µg/L	9 U		10 U		
Pyrene	µg/L	9 U		10 U		
1-Methylnaphthalene	µg/L	9 U		10 U		
Acenaphthene	µg/L	9 U		10 U		
Acenaphthylene	µg/L	9 U		10 U		
Anthracene	µg/L	9 U		10 U		
Fluorene	µg/L	9 U		10 U		
Naphthalene	µg/L	9 U		140		
Phenanthrene	µg/L	9 U		10 U		
bis(2-ethylhexyl)phthalate	µg/L	5 J		14		
Di-n-butyl phthalate	µg/L	9 U		10 U		
Butyl benzyl phthalate	µg/L	9 U		10 U		
Diethylphthalate	µg/L	9 U		10 U		
Dimethyl phthalate	µg/L	9 U		10 U		
Di-n-octyl phthalate	µg/L	9 U		10 U		
Pentachlorophenol	µg/L	9 U		10 U		
2,4-Dichlorophenol	µg/L	9 U		10 U		
2,4,5-Trichlorophenol	µg/L	47 U		48 U		
2,4,6-Trichlorophenol	µg/L	9 U		10 U		
2-Chlorophenol	µg/L	9 U		10 U		
2,4-Dimethylphenol	µg/L	9 U		10 U		
2,4-Dinitrophenol	µg/L	47 U		48 U		
2,4-Dinitrotoluene	µg/L	9 U		10 U		
2,6-Dinitrotoluene	µg/L	9 U		10 U		
2-Chloronaphthalene	µg/L	9 U		10 U		
2-Methylphenol	µg/L	9 U		10 U		
2-Nitroaniline	µg/L	47 U		48 U		
2-Nitrophenol	µg/L	9 U		10 U		
3,3'-Dichlorobenzidine	µg/L	19 U		19 U		
2-Methylnaphthalene	µg/L	9 U		91		
3-Nitroaniline	µg/L	47 U		48 U		
4,6-Dinitro-o-cresol	µg/L	47 U		48 U		
4-Bromophenyl phenyl ether	µg/L	9 U		10 U		
4-Chloro-3-methylphenol	µg/L	9 U		10 U		
4-Chloroaniline	µg/L	9 U		10 U		
4-Chlorophenyl phenyl ether	µg/L	9 U		10 U		
4-Methylphenol	µg/L	9 U		10 U		
4-Nitroaniline	µg/L	47 U		48 U		
4-Nitrophenol	µg/L	47 U		48 U		
Aniline	µg/L	9 U		10 U		
Benzidine	µg/L	94 U		95 U		
Benzoic acid	µg/L	47 U		48 U		
Benzyl alcohol	µg/L	9 U		10 U		
bis(2-chloroethoxy)methane	µg/L	9 U		10 U		
bis(2-chloroethyl)ether	µg/L	9 U		10 U		
bis(2-chloroisopropyl)ether	µg/L	9 U		10 U		
Dibenzofuran	µg/L	9 U		10 U		

	Event	**Hart Crowser's RI Event 3**				
	Location	B-08	B-09	B-10A	B-13	B-15
	SampleID	**B-8**	**B-9**	**B-10A**	**B-13**	**B-15**
	Depth (bgs)	39.5 - 44.5 ft	38.5 - 43.5 ft	9.5 - 14.5 ft	7 - 12 ft	12 - 17 ft
	Sample Date	08/12/1993	08/12/1993	08/12/1993	08/13/1993	08/12/1993
Semivolatile Organic Compounds						
Hexachlorobenzene	µg/L	9 U		10 U		
Hexachlorobutadiene	µg/L	9 U		10 U		
Hexachlorocyclopentadiene	µg/L	9 U		10 U		
Hexachloroethane	µg/L	9 U		10 U		
Isophorone	µg/L	9 U		10 U		
Nitrobenzene	µg/L	9 U		10 U		
N-Nitrosodimethylamine	µg/L	9 U		10 U		
N-Nitroso-di-n-propylamine	µg/L	9 U		10 U		
N-Nitrosodiphenylamine	µg/L	9 U		10 U		
Phenol	µg/L	9 U		10 U		

	Event	Hart Crowser's RI Event 3				
	Location	B-20	B-21	B-24	B-24	B-25
	SampleID	**B-20**	**B-21**	**B-24**	**B-24 DUP**	**B-25**
	Depth (bgs)	6 - 16 ft	38 - 43 ft	6 - 16 ft	6 - 16 ft	27 - 37 ft
	Sample Date	08/11/1993	08/11/1993	08/11/1993	08/11/1993	08/11/1993
Volatile Organic Compounds						
Tetrachloroethene	µg/L	2000	50 U	1 U	1 U	1 U
Trichloroethene	µg/L	2200	50 U	1 U	1 U	1 U
1,2-Dichloroethene (total)	µg/L	2000	14000	1 U	1 U	1 U
1,1-Dichloroethene	µg/L	63	50 U	1 U	1 U	1 U
Vinyl chloride	µg/L	340	14000	1 U	1 U	1 U
1,1,1-Trichloroethane	µg/L	390	50 U	1 U	1 U	1 U
1,1,2,2-Tetrachloroethane	µg/L	5 U	50 U	1 U	1 U	1 U
1,1,2-Trichloroethane	µg/L	5 U	50 U	1 U	1 U	1 U
1,1-Dichloroethane	µg/L	170	93	1 U	1 U	1 U
Chloroethane	µg/L	15	50 U	1 U	1 U	1 U
1,2,4-Trichlorobenzene	µg/L			9 U	9 U	9 U
1,2-Dichlorobenzene	µg/L			9 U	9 U	9 U
1,2-Dichloroethane	µg/L	5 U	50 U	1 U	1 U	1 U
1,2-Dichloropropane	µg/L	5 U	50 U	1 U	1 U	1 U
1,3-Dichlorobenzene	µg/L			9 U	9 U	9 U
1,4-Dichlorobenzene	µg/L			9 U	9 U	9 U
2-Hexanone	µg/L	50 U	500 U	10 U	10 U	10 U
Acetone	µg/L	380	500 U	10 U	10 U	10 U
Bromodichloromethane	µg/L	5 U	50 U	1 U	1 U	1 U
Bromoform	µg/L	25 U	250 U	5 U	5 U	5 U
Bromomethane	µg/L	50 U	500 U	10 U	10 U	10 U
Carbon disulfide	µg/L	5 U	50 U	1 U	1 U	1 U
Carbon tetrachloride	µg/L	5 U	50 U	1 U	1 U	1 U
Chlorobenzene	µg/L	5 U	50 U	1 U	1 U	1 U
Chloroform	µg/L	5 U	50 U	1 U	1 U	1 U
Chloromethane	µg/L	50 U	500 U	10 U	10 U	10 U
cis-1,3-Dichloropropene	µg/L	5 U	50 U	1 U	1 U	1 U
Dibromochloromethane	µg/L	5 U	50 U	1 U	1 U	1 U
Dichloromethane	µg/L	92	250 U	5 U	5 U	5 U
Methyl ethyl ketone	µg/L	260	500 U	10 U	10 U	10 U
Methyl iso butyl ketone	µg/L	300	500 U	10 U	10 U	10 U
trans-1,3-Dichloropropene	µg/L	5 U	50 U	1 U	1 U	1 U
Vinyl acetate	µg/L	50 U	500 U	10 U	10 U	10 U
BTEX						
Benzene	µg/L	86	50 U	1 U	1 U	1 U
Toluene	µg/L	1200	1700	1 U	1 U	1 U
Ethylbenzene	µg/L	310	460	1 U	1 U	1 U
Xylene (total)	µg/L	560	670	1 U	1 U	1 U
Alkylated Benzenes						
Styrene	µg/L	5 U	50 U	1 U	1 U	1 U
Semivolatile Organic Compounds						
Benzo(a)anthracene	µg/L			9 U	9 U	9 U
Benzo(a)pyrene	µg/L			9 U	9 U	9 U
Benzo(g,h,i)perylene	µg/L			9 U	9 U	9 U
Benzo(b)fluoranthene	µg/L			9 U	9 U	9 U
Benzo(k)fluoranthene	µg/L			9 U	9 U	9 U
Chrysene	µg/L			9 U	9 U	9 U
Dibenzo(a,h)anthracene	µg/L			9 U	9 U	9 U

	Event	Hart Crowser's RI Event 3				
	Location	B-20	B-21	B-24	B-24	B-25
	SampleID	**B-20**	**B-21**	**B-24**	**B-24 DUP**	**B-25**
	Depth (bgs)	6 - 16 ft	38 - 43 ft	6 - 16 ft	6 - 16 ft	27 - 37 ft
	Sample Date	08/11/1993	08/11/1993	08/11/1993	08/11/1993	08/11/1993
Semivolatile Organic Compounds						
Fluoranthene	µg/L			9 U	9 U	9 U
Indeno(1,2,3-cd)pyrene	µg/L			9 U	9 U	9 U
Pyrene	µg/L			9 U	9 U	9 U
1-Methylnaphthalene	µg/L			9 U	9 U	9 U
Acenaphthene	µg/L			9 U	9 U	9 U
Acenaphthylene	µg/L			9 U	9 U	9 U
Anthracene	µg/L			9 U	9 U	9 U
Fluorene	µg/L			9 U	9 U	9 U
Naphthalene	µg/L			9 U	9 U	9 U
Phenanthrene	µg/L			9 U	9 U	9 U
bis(2-ethylhexyl)phthalate	µg/L			9 U	9 U	7 J
Di-n-butyl phthalate	µg/L			9 U	9 U	9 U
Butyl benzyl phthalate	µg/L			9 U	9 U	9 U
Diethylphthalate	µg/L			9 U	9 U	9 U
Dimethyl phthalate	µg/L			9 U	9 U	9 U
Di-n-octyl phthalate	µg/L			9 U	9 U	9 U
Pentachlorophenol	µg/L	160 J	0.18	0.04 U	9 U	0.34
Tetrachlorophenols (total)	µg/L	9.6 J	0.2 U	0.19 U	0.19 U	0.19 U
2,4-Dichlorophenol	µg/L	270 U	0.98 U	9 U	0.96 U	0.96 U
2,4,5-Trichlorophenol	µg/L	110 U	0.39 U	0.38 U	0.38 U	47 U
2,4,6-Trichlorophenol	µg/L	54 U	0.2 U	0.19 U	0.19 U	9 U
2-Chlorophenol	µg/L			9 U	9 U	9 U
2,4-Dimethylphenol	µg/L			9 U	9 U	9 U
2,4-Dinitrophenol	µg/L			47 U	47 U	47 U
2,4-Dinitrotoluene	µg/L			9 U	9 U	9 U
2,6-Dinitrotoluene	µg/L			9 U	9 U	9 U
2-Chloronaphthalene	µg/L			9 U	9 U	9 U
2-Methylphenol	µg/L			9 U	9 U	9 U
2-Nitroaniline	µg/L			47 U	47 U	47 U
2-Nitrophenol	µg/L			9 U	9 U	9 U
3,3'-Dichlorobenzidine	µg/L			19 U	19 U	19 U
2-Methylnaphthalene	µg/L			9 U	9 U	14
3-Nitroaniline	µg/L			47 U	47 U	47 U
4,6-Dinitro-o-cresol	µg/L			47 U	47 U	47 U
4-Bromophenyl phenyl ether	µg/L			9 U	9 U	9 U
4-Chloro-3-methylphenol	µg/L			9 U	9 U	9 U
4-Chloroaniline	µg/L			9 U	9 U	9 U
4-Chlorophenyl phenyl ether	µg/L			9 U	9 U	9 U
4-Methylphenol	µg/L			9 U	9 U	9 U
4-Nitroaniline	µg/L			47 U	47 U	47 U
4-Nitrophenol	µg/L			47 U	47 U	47 U
Aniline	µg/L			9 U	9 U	9 U
Benzidine	µg/L			94 U	94 U	94 U
Benzoic acid	µg/L			47 U	47 U	47 U
Benzyl alcohol	µg/L			9 U	9 U	9 U
bis(2-chloroethoxy)methane	µg/L			9 U	9 U	9 U
bis(2-chloroethyl)ether	µg/L			9 U	9 U	9 U
bis(2-chloroisopropyl)ether	µg/L			9 U	9 U	9 U

	Event	Hart Crowser's RI Event 3				
	Location	B-20	B-21	B-24	B-24	B-25
	SampleID	**B-20**	**B-21**	**B-24**	**B-24 DUP**	**B-25**
	Depth (bgs)	6 - 16 ft	38 - 43 ft	6 - 16 ft	6 - 16 ft	27 - 37 ft
	Sample Date	08/11/1993	08/11/1993	08/11/1993	08/11/1993	08/11/1993
Semivolatile Organic Compounds						
Dibenzofuran	µg/L			9 U	9 U	9 U
Hexachlorobenzene	µg/L			9 U	9 U	9 U
Hexachlorobutadiene	µg/L			9 U	9 U	9 U
Hexachlorocyclopentadiene	µg/L			9 U	9 U	9 U
Hexachloroethane	µg/L			9 U	9 U	9 U
Isophorone	µg/L			9 U	9 U	9 U
Nitrobenzene	µg/L			9 U	9 U	9 U
N-Nitrosodimethylamine	µg/L			9 U	9 U	9 U
N-Nitroso-di-n-propylamine	µg/L			9 U	9 U	9 U
N-Nitrosodiphenylamine	µg/L			9 U	9 U	9 U
Phenol	µg/L			9 U	9 U	9 U

	Event	Hart Crowser's RI Event 3				
	Location	B-26	B-27	B-30	B-31	B-33A
	SampleID	**B-26**	**B-27**	**B-30**	**B-31**	**B-33A**
	Depth (bgs)	8.5 - 13.25 ft	42.5 - 47.5 ft	8 - 15 ft	6.5 - 11.5 ft	28 - 38 ft
	Sample Date	08/11/1993	08/11/1993	08/12/1993	08/12/1993	08/12/1993
Volatile Organic Compounds						
Tetrachloroethene	µg/L	33	1 U	110000	120000	2
Trichloroethene	µg/L	46	1 U	38000	52000	1
1,2-Dichloroethene (total)	µg/L	72	1 U	73000	29000	9
1,1-Dichloroethene	µg/L	1 U	1 U	190	230	1 U
Vinyl chloride	µg/L	5	1 U	260	190	8
1,1,1-Trichloroethane	µg/L	1 U	1 U	9900	14000	1 U
1,1,2,2-Tetrachloroethane	µg/L	1 U	1 U	50 U	50 U	1 U
1,1,2-Trichloroethane	µg/L	1 U	1 U	66	63	1 U
1,1-Dichloroethane	µg/L	2	1 U	1400	1500	5
Chloroethane	µg/L	1 U	1 U	50 U	50 U	1 U
1,2,4-Trichlorobenzene	µg/L			10 U	10 U	
1,2-Dichlorobenzene	µg/L			9 J	10 U	
1,2-Dichloroethane	µg/L	1 U	1 U	50 U	50 U	1 U
1,2-Dichloropropane	µg/L	1 U	1 U	50 U	50 U	1 U
1,3-Dichlorobenzene	µg/L			10 U	10 U	
1,4-Dichlorobenzene	µg/L			10 U	10 U	
2-Hexanone	µg/L	10 U	10 U	500 U	500 U	10 U
Acetone	µg/L	10 U	10 U	1200	24000	10 U
Bromodichloromethane	µg/L	1 U	1 U	50 U	50 U	1 U
Bromoform	µg/L	5 U	5 U	250 U	250 U	5 U
Bromomethane	µg/L	10 U	10 U	500 U	500 U	10 U
Carbon disulfide	µg/L	1 U	1 U	50 U	50 U	1 U
Carbon tetrachloride	µg/L	1 U	1 U	50 U	50 U	1 U
Chlorobenzene	µg/L	1 U	1 U	50 U	50 U	1 U
Chloroform	µg/L	1 U	1 U	79	81	1 U
Chloromethane	µg/L	10 U	10 U	500 U	500 U	10 U
cis-1,3-Dichloropropene	µg/L	1 U	1 U	50 U	50 U	1 U
Dibromochloromethane	µg/L	1 U	1 U	50 U	50 U	1 U
Dichloromethane	µg/L	5 U	5 U	16000	11000	5 U
Methyl ethyl ketone	µg/L	10 U	10 U	570	73000	10 U
Methyl iso butyl ketone	µg/L	10 U	10 U	5700	7200	10 U
trans-1,3-Dichloropropene	µg/L	1 U	1 U	50 U	50 U	1 U
Vinyl acetate	µg/L	10 U	10 U	500 U	500 U	10 U
BTEX						
Benzene	µg/L	1 U	1 U	1200	430	3
Toluene	µg/L	1 U	1 U	33000	35000	1 U
Ethylbenzene	µg/L	1 U	1 U	1300	510	1 U
Xylene (total)	µg/L	1 U	1 U	4800	2400	1 U
Alkylated Benzenes						
Styrene	µg/L	1 U	1 U	510	310	1 U
Semivolatile Organic Compounds						
Benzo(a)anthracene	µg/L			10 U	10 U	
Benzo(a)pyrene	µg/L			10 U	10 U	
Benzo(g,h,i)perylene	µg/L			10 U	10 U	
Benzo(b)fluoranthene	µg/L			10 U	10 U	
Benzo(k)fluoranthene	µg/L			10 U	10 U	
Chrysene	µg/L			10 U	10 U	
Dibenzo(a,h)anthracene	µg/L			10 U	10 U	

	Event	Hart Crowser's RI Event 3				
	Location	B-26	B-27	B-30	B-31	B-33A
	SampleID	**B-26**	**B-27**	**B-30**	**B-31**	**B-33A**
	Depth (bgs)	8.5 - 13.25 ft	42.5 - 47.5 ft	8 - 15 ft	6.5 - 11.5 ft	28 - 38 ft
	Sample Date	08/11/1993	08/11/1993	08/12/1993	08/12/1993	08/12/1993
Semivolatile Organic Compounds						
Fluoranthene	µg/L			10 U	10 U	
Indeno(1,2,3-cd)pyrene	µg/L			10 U	10 U	
Pyrene	µg/L			10 U	10 U	
1-Methylnaphthalene	µg/L			10 U	10 U	
Acenaphthene	µg/L			10 U	10 U	
Acenaphthylene	µg/L			10 U	10 U	
Anthracene	µg/L			10 U	10 U	
Fluorene	µg/L			10 U	10 U	
Naphthalene	µg/L			19	38	
Phenanthrene	µg/L			10 U	10 U	
bis(2-ethylhexyl)phthalate	µg/L			38	280	
Di-n-butyl phthalate	µg/L			21	16	
Butyl benzyl phthalate	µg/L			10 U	10 U	
Diethylphthalate	µg/L			12	10 U	
Dimethyl phthalate	µg/L			10 U	10 U	
Di-n-octyl phthalate	µg/L			10 U	10 U	
Pentachlorophenol	µg/L			310	2600	
Tetrachlorophenols (total)	µg/L				410	
2,4-Dichlorophenol	µg/L			10 U	10 U	
2,4,5-Trichlorophenol	µg/L			48 U	3900 U	
2,4,6-Trichlorophenol	µg/L			10 U	10 U	
2-Chlorophenol	µg/L			10 U	10 U	
2,4-Dimethylphenol	µg/L			10 U	10 U	
2,4-Dinitrophenol	µg/L			48 U	49 U	
2,4-Dinitrotoluene	µg/L			10 U	10 U	
2,6-Dinitrotoluene	µg/L			10 U	10 U	
2-Chloronaphthalene	µg/L			10 U	10 U	
2-Methylphenol	µg/L			260	370	
2-Nitroaniline	µg/L			48 U	49 U	
2-Nitrophenol	µg/L			10 U	10 U	
3,3'-Dichlorobenzidine	µg/L			19 U	20 U	
2-Methylnaphthalene	µg/L			10 U	10 U	
3-Nitroaniline	µg/L			48 U	49 U	
4,6-Dinitro-o-cresol	µg/L			48 U	49 U	
4-Bromophenyl phenyl ether	µg/L			10 U	10 U	
4-Chloro-3-methylphenol	µg/L			10 U	10 U	
4-Chloroaniline	µg/L			10 U	10 U	
4-Chlorophenyl phenyl ether	µg/L			10 U	10 U	
4-Methylphenol	µg/L			430	110	
4-Nitroaniline	µg/L			48 U	49 U	
4-Nitrophenol	µg/L			48 U	49 U	
Aniline	µg/L			10 U	10 U	
Benzidine	µg/L			96 U	98 U	
Benzoic acid	µg/L			48 U	49 U	
Benzyl alcohol	µg/L			31	84	
bis(2-chloroethoxy)methane	µg/L			10 U	10 U	
bis(2-chloroethyl)ether	µg/L			10 U	10 U	
bis(2-chloroisopropyl)ether	µg/L			10 U	10 U	

	Event	**Hart Crowser's RI Event 3**				
	Location	B-26	B-27	B-30	B-31	B-33A
	SampleID	**B-26**	**B-27**	**B-30**	**B-31**	**B-33A**
	Depth (bgs)	8.5 - 13.25 ft	42.5 - 47.5 ft	8 - 15 ft	6.5 - 11.5 ft	28 - 38 ft
	Sample Date	08/11/1993	08/11/1993	08/12/1993	08/12/1993	08/12/1993
Semivolatile Organic Compounds						
Dibenzofuran	µg/L			10 U	10 U	
Hexachlorobenzene	µg/L			10 U	10 U	
Hexachlorobutadiene	µg/L			10 U	10 U	
Hexachlorocyclopentadiene	µg/L			10 U	10 U	
Hexachloroethane	µg/L			10 U	10 U	
Isophorone	µg/L			10 U	10 U	
Nitrobenzene	µg/L			10 U	10 U	
N-Nitrosodimethylamine	µg/L			10 U	10 U	
N-Nitroso-di-n-propylamine	µg/L			10 U	10 U	
N-Nitrosodiphenylamine	µg/L			10 U	10 U	
Phenol	µg/L			74	10 U	

	Event	Hart Crowser's RI Event 3				
	Location	B-34	B-35	B-36	B-39	
	SampleID	**B-34**	**B-35**	**B-36**	**B-39**	
	Depth (bgs)	7.5 - 12.5 ft	19.5 - 29.5 ft	6 - 11 ft	5.5 - 11.82 ft	
	Sample Date	08/12/1993	08/11/1993	08/11/1993	08/13/1993	
Volatile Organic Compounds						
Tetrachloroethene	µg/L	59	41	56		
Trichloroethene	µg/L	100	100	32		
1,2-Dichloroethene (total)	µg/L	29000	260	260		
1,1-Dichloroethene	µg/L	120	11	2		
Vinyl chloride	µg/L	320	790	590		
1,1,1-Trichloroethane	µg/L	10 U	4	2		
1,1,2,2-Tetrachloroethane	µg/L	10 U	1 U	1 U		
1,1,2-Trichloroethane	µg/L	10 U	1 U	1 U		
1,1-Dichloroethane	µg/L	62	49	13		
Chloroethane	µg/L	10 U	1 U	1 U		
1,2,4-Trichlorobenzene	µg/L				10 U	
1,2-Dichlorobenzene	µg/L				140	
1,2-Dichloroethane	µg/L	10 U	1 U	1 U		
1,2-Dichloropropane	µg/L	10 U	1 U	1 U		
1,3-Dichlorobenzene	µg/L				8 J	
1,4-Dichlorobenzene	µg/L				54	
2-Hexanone	µg/L	100 U	10 U	10 U		
Acetone	µg/L	100 U	57	10 U		
Bromodichloromethane	µg/L	10 U	1 U	1 U		
Bromoform	µg/L	50 U	5 U	5 U		
Bromomethane	µg/L	100 U	10 U	10 U		
Carbon disulfide	µg/L	10 U	1 U	1 U		
Carbon tetrachloride	µg/L	10 U	1 U	1 U		
Chlorobenzene	µg/L	10 U	1 U	1 U		
Chloroform	µg/L	10 U	1 U	1 U		
Chloromethane	µg/L	100 U	10 U	10 U		
cis-1,3-Dichloropropene	µg/L	10 U	1 U	1 U		
Dibromochloromethane	µg/L	10 U	1 U	1 U		
Dichloromethane	µg/L	50 U	5 U	5 U		
Methyl ethyl ketone	µg/L	100 U	22	10 U		
Methyl iso butyl ketone	µg/L	100 U	35	10 U		
trans-1,3-Dichloropropene	µg/L	10 U	1 U	1 U		
Vinyl acetate	µg/L	100 U	10 U	10 U		
BTEX						
Benzene	µg/L	39	8	5		
Toluene	µg/L	10 U	230	1 U		
Ethylbenzene	µg/L	10 U	18	1 U		
Xylene (total)	µg/L	10 U	61	1 U		
Alkylated Benzenes						
Styrene	µg/L	10 U	1 U	1 U		
Semivolatile Organic Compounds						
Benzo(a)anthracene	µg/L				10 U	
Benzo(a)pyrene	µg/L				10 U	
Benzo(g,h,i)perylene	µg/L				10 U	
Benzo(b)fluoranthene	µg/L				10 U	
Benzo(k)fluoranthene	µg/L				10 U	
Chrysene	µg/L				10 U	
Dibenzo(a,h)anthracene	µg/L				10 U	

	Event	Hart Crowser's RI Event 3				
	Location	B-34	B-35	B-36	B-39	
	SampleID	**B-34**	**B-35**	**B-36**	**B-39**	
	Depth (bgs)	7.5 - 12.5 ft	19.5 - 29.5 ft	6 - 11 ft	5.5 - 11.82 ft	
	Sample Date	08/12/1993	08/11/1993	08/11/1993	08/13/1993	
Semivolatile Organic Compounds						
Fluoranthene	µg/L				10 U	
Indeno(1,2,3-cd)pyrene	µg/L				10 U	
Pyrene	µg/L				10 U	
1-Methylnaphthalene	µg/L				10 U	
Acenaphthene	µg/L				10 U	
Acenaphthylene	µg/L				10 U	
Anthracene	µg/L				10 U	
Fluorene	µg/L				10 U	
Naphthalene	µg/L				26	
Phenanthrene	µg/L				10 U	
bis(2-ethylhexyl)phthalate	µg/L				10 U	
Di-n-butyl phthalate	µg/L				24	
Butyl benzyl phthalate	µg/L				10 U	
Diethylphthalate	µg/L				7 J	
Dimethyl phthalate	µg/L				10 U	
Di-n-octyl phthalate	µg/L				10 U	
Pentachlorophenol	µg/L				970	
2,4-Dichlorophenol	µg/L				10 U	
2,4,5-Trichlorophenol	µg/L				49 U	
2,4,6-Trichlorophenol	µg/L				10 U	
2-Chlorophenol	µg/L				10 U	
2,4-Dimethylphenol	µg/L				68	
2,4-Dinitrophenol	µg/L				49 U	
2,4-Dinitrotoluene	µg/L				10 U	
2,6-Dinitrotoluene	µg/L				10 U	
2-Chloronaphthalene	µg/L				10 U	
2-Methylphenol	µg/L				480	
2-Nitroaniline	µg/L				49 U	
2-Nitrophenol	µg/L				10 U	
3,3'-Dichlorobenzidine	µg/L				20 U	
2-Methylnaphthalene	µg/L				10 U	
3-Nitroaniline	µg/L				49 U	
4,6-Dinitro-o-cresol	µg/L				49 U	
4-Bromophenyl phenyl ether	µg/L				10 U	
4-Chloro-3-methylphenol	µg/L				10 U	
4-Chloroaniline	µg/L				10 U	
4-Chlorophenyl phenyl ether	µg/L				10 U	
4-Methylphenol	µg/L				590	
4-Nitroaniline	µg/L				49 U	
4-Nitrophenol	µg/L				49 U	
Aniline	µg/L				10 U	
Benzidine	µg/L				98 U	
Benzoic acid	µg/L				1700	
Benzyl alcohol	µg/L				41	
bis(2-chloroethoxy)methane	µg/L				10 U	
bis(2-chloroethyl)ether	µg/L				10 U	
bis(2-chloroisopropyl)ether	µg/L				10 U	
Dibenzofuran	µg/L				10 U	

	Event	**Hart Crowser's RI Event 3**				
	Location	B-34	B-35	B-36	B-39	
	SampleID	**B-34**	**B-35**	**B-36**	**B-39**	
	Depth (bgs)	7.5 - 12.5 ft	19.5 - 29.5 ft	6 - 11 ft	5.5 - 11.82 ft	
	Sample Date	08/12/1993	08/11/1993	08/11/1993	08/13/1993	
Semivolatile Organic Compounds						
Hexachlorobenzene	µg/L				10 U	
Hexachlorobutadiene	µg/L				10 U	
Hexachlorocyclopentadiene	µg/L				10 U	
Hexachloroethane	µg/L				10 U	
Isophorone	µg/L				10 U	
Nitrobenzene	µg/L				10 U	
N-Nitrosodimethylamine	µg/L				10 U	
N-Nitroso-di-n-propylamine	µg/L				10 U	
N-Nitrosodiphenylamine	µg/L				10 U	
Phenol	µg/L				10 U	

	Event	Hart Crowser's RI Ecology Splits				
	Location	B-27	B-43	B-44	B-45	B-46
	SampleID	**B-27**	**B-43**	**B-44**	**B-45**	**B-46**
	Depth (bgs)	42.5 - 47.5 ft	7 - 15 ft	9.5 - 15.5 ft	37 - 47 ft	7.3 - 13.3 ft
	Sample Date	07/09/1993	06/29/1993	06/29/1993	06/29/1993	06/29/1993
Volatile Organic Compounds						
1,2,4-Trichlorobenzene	µg/L	40 U	20 U	18 U	19 U	20 U
1,2-Dichlorobenzene	µg/L	150	26	18 U	19 U	16 J
1,3-Dichlorobenzene	µg/L	40 U	20 U	18 U	19 U	20 U
1,4-Dichlorobenzene	µg/L	36 J	5 J	18 U	19 U	3 J
Semivolatile Organic Compounds						
Benzo(a)anthracene	µg/L	40 U	2 J	18 U	19 U	20 U
Benzo(a)pyrene	µg/L	40 U	20 U	18 U	19 U	20 U
Benzo(g,h,i)perylene	µg/L	40 U	20 U	18 U	19 U	20 U
Benzo(b)fluoranthene	µg/L	40 U	20 U	18 U	19 U	20 U
Benzo(k)fluoranthene	µg/L	40 U	20 U	18 U	19 U	20 U
Chrysene	µg/L	40 U	2 J	18 U	19 U	20 U
Dibenzo(a,h)anthracene	µg/L	40 U	20 U	18 U	19 U	20 U
Fluoranthene	µg/L	40 U	9 J	18 U	19 U	20 U
Indeno(1,2,3-cd)pyrene	µg/L	40 U	20 U	18 U	19 U	20 U
Pyrene	µg/L	40 U	8 J	18 U	19 U	20 U
Acenaphthene	µg/L	40 U	6 J	18 U	19 U	20 U
Acenaphthylene	µg/L	40 U	20 U	18 U	19 U	20 U
Anthracene	µg/L	40 U	4 J	18 U	19 U	20 U
Fluorene	µg/L	40 U	6 J	18 U	19 U	20 U
Naphthalene	µg/L	27 J	30	18 U	10 J	20 U
Phenanthrene	µg/L	40 U	24	18 U	19 U	20 U
bis(2-ethylhexyl)phthalate	µg/L	40 U	20 U	3 J	19 U	20 U
Di-n-butyl phthalate	µg/L	73	16 J	18 U	19 U	18 J
Butyl benzyl phthalate	µg/L	40 U	20 U	18 U	19 U	20 U
Diethylphthalate	µg/L	9 J	9 J	18 U	14 J	20 U
Dimethyl phthalate	µg/L	40 U	20 U	15 J	19 U	20 U
Di-n-octyl phthalate	µg/L	40 U	20 U	18 U	19 U	20 U
Pentachlorophenol	µg/L			56		
2,4-Dichlorophenol	µg/L	40 U	20 U	18 U	19 U	20 U
2,4,5-Trichlorophenol	µg/L	100 U	49 U	46 U	48 U	49 U
2,4,6-Trichlorophenol	µg/L	40 U	20 U	18 U	19 U	20 U
2-Chlorophenol	µg/L	40 U	20 U	18 U	19 U	20 U
2,4-Dimethylphenol	µg/L	40 U	20 U	18 U	19 U	42
2,4-Dinitrophenol	µg/L	100 U	49 U	46 U	48 U	49 U
2,4-Dinitrotoluene	µg/L	40 U	20 U	18 U	19 U	20 U
2,6-Dinitrotoluene	µg/L	40 U	20 U	18 U	19 U	20 U
2-Chloronaphthalene	µg/L	40 U	20 U	18 U	19 U	20 U
2-Methylphenol	µg/L	210		18 U		66
2-Nitroaniline	µg/L	100 U	49 U	46 U	48 U	49 U
2-Nitrophenol	µg/L	40 U	20 U	18 U	19 U	20 U
3,3'-Dichlorobenzidine	µg/L	40 U	20 U	18 U	19 U	20 U
2-Methylnaphthalene	µg/L	40 U	4 J	18 U	19 U	20 U
3-Nitroaniline	µg/L	100 U	49 U	46 U	48 U	49 U
4,6-Dinitro-o-cresol	µg/L	100 U	49 U	46 U	48 U	49 U
4-Bromophenyl phenyl ether	µg/L	40 U	20 U	18 U	19 U	20 U
4-Chloro-3-methylphenol	µg/L	40 U	20 U	18 U	19 U	20 U
4-Chloroaniline	µg/L	40 U	20 U	18 U	19 U	20 U
4-Chlorophenyl phenyl ether	µg/L	40 U	20 U	18 U	19 U	20 U

	Event	Hart Crowser's RI Ecology Splits				
	Location	B-27	B-43	B-44	B-45	B-46
	SampleID	**B-27**	**B-43**	**B-44**	**B-45**	**B-46**
	Depth (bgs)	42.5 - 47.5 ft	7 - 15 ft	9.5 - 15.5 ft	37 - 47 ft	7.3 - 13.3 ft
	Sample Date	07/09/1993	06/29/1993	06/29/1993	06/29/1993	06/29/1993
Semivolatile Organic Compounds						
4-Methylphenol	µg/L			18 U		120
4-Nitroaniline	µg/L	100 U	49 U	46 U	48 U	49 U
4-Nitrophenol	µg/L	100 U	49 U	46 U	48 U	49 U
bis(2-chloroethoxy)methane	µg/L	40 U	20 U	18 U	19 U	20 U
bis(2-chloroethyl)ether	µg/L	40 U	20 U	18 U	19 U	20 U
bis-chloroisopropyl ether	µg/L	40 U	20 U	18 U	19 U	20 U
Carbazole	µg/L	40 U	13 J	18 U	19 U	20 U
Dibenzofuran	µg/L	40 U	4 J	18 U	19 U	20 U
Hexachlorobenzene	µg/L	40 U	20 U	18 U	19 U	20 U
Hexachlorobutadiene	µg/L	40 U	20 U	18 U	19 U	20 U
Hexachlorocyclopentadiene	µg/L	40 U	20 U	18 U	19 U	20 U
Hexachloroethane	µg/L	40 U	20 U	18 U	19 U	20 U
Isophorone	µg/L	40 U	20 U	18 U	19 U	20 U
Nitrobenzene	µg/L	40 U	20 U	18 U	19 U	20 U
N-Nitroso-di-n-propylamine	µg/L	40 U	20 U	18 U	19 U	20 U
N-Nitrosodiphenylamine	µg/L	40 U	20 U	18 U	19 U	20 U
Phenol	µg/L	140	93	18 U	54	20

	Event	Hart Crowser's RI Ecology Splits				
	Location	B-48	B-49	B-50	B-51	B-52
	SampleID	**B-48**	**B-49**	**B-50**	**B-51**	**B-52**
	Depth (bgs)	6.5 - 14.5 ft	9.5 - 15.5 ft	5 - 11 ft	7.5 - 13.5 ft	6.75 - 12.75 ft
	Sample Date	07/09/1993	07/09/1993	07/09/1993	08/03/1993	08/03/1993
Volatile Organic Compounds						
1,2,4-Trichlorobenzene	µg/L	10 U	41 U	44 U	10 U	10 U
1,2-Dichlorobenzene	µg/L	10 U	41 U	53	10 U	55
1,3-Dichlorobenzene	µg/L	10 U	41 U	44 U	10 U	5 J
1,4-Dichlorobenzene	µg/L	10 U	41 U	17 J	10 U	19
Semivolatile Organic Compounds						
Benzo(a)anthracene	µg/L	10 U	41 U	44 U	10 U	10 U
Benzo(a)pyrene	µg/L	10 U	41 U	44 U	10 U	10 U
Benzo(g,h,i)perylene	µg/L	10 U	41 U	44 U	10 U	10 U
Benzo(b)fluoranthene	µg/L	10 U	41 U	44 U	10 U	10 U
Benzo(k)fluoranthene	µg/L	10 U	41 U	44 U	10 U	10 U
Chrysene	µg/L	10 U	41 U	44 U	10 U	10 U
Dibenzo(a,h)anthracene	µg/L	10 U	41 U	44 U	10 U	10 U
Fluoranthene	µg/L	10 U	5 J	44 U	10 U	10 U
Indeno(1,2,3-cd)pyrene	µg/L	10 U	41 U	44 U	10 U	10 U
Pyrene	µg/L	10 U	5 J	44 U	10 U	10 U
Acenaphthene	µg/L	10 U	41 U	44 U	10 U	2 J
Acenaphthylene	µg/L	10 U	41 U	44 U	10 U	10 U
Anthracene	µg/L	10 U	9 J	44 U	10 U	10 U
Fluorene	µg/L	10 U	32 J	44 U	10 U	10 U
Naphthalene	µg/L	4 J		12 J	14	2 J
Phenanthrene	µg/L	10 U	39 J	7 J	10 U	1 J
bis(2-ethylhexyl)phthalate	µg/L	10 U	41 U	44 U	10 U	10 U
Di-n-butyl phthalate	µg/L	3 J	41 U	44 U	16	5 J
Butyl benzyl phthalate	µg/L	10 U	41 U	44 U	10 U	10 U
Diethylphthalate	µg/L	10 U	6 J	44 U	2 J	10 U
Dimethyl phthalate	µg/L	10 U	41 U	44 U	10 U	10 U
Di-n-octyl phthalate	µg/L	10 U	41 U	44 U	10 U	10 U
2,4-Dichlorophenol	µg/L	10 U	41 U	44 U	10 U	10 U
2,4,5-Trichlorophenol	µg/L	25 U	100 U	110 U	25 U	25 U
2,4,6-Trichlorophenol	µg/L	10 U	41 U	44 U	10 U	10 U
2-Chlorophenol	µg/L	10 U	41 U	44 U	10 U	10 U
2,4-Dimethylphenol	µg/L	4 J	41 U	44 U	5 J	10 U
2,4-Dinitrophenol	µg/L	25 U	100 U	110 U	25 U	25 U
2,4-Dinitrotoluene	µg/L	10 U	41 U	44 U	10 U	10 U
2,6-Dinitrotoluene	µg/L	10 U	41 U	44 U	10 U	10 U
2-Chloronaphthalene	µg/L	10 U	41 U	44 U	10 U	10 U
2-Methylphenol	µg/L	9 J	140	47	19	28
2-Nitroaniline	µg/L	25 U	100 U	110 U	25 U	25 U
2-Nitrophenol	µg/L	10 U	41 U	44 U	10 U	10 U
3,3'-Dichlorobenzidine	µg/L	10 U	41 U	44 U	10 U	10 U
2-Methylnaphthalene	µg/L	10 U	42	44 U	10 U	10 U
3-Nitroaniline	µg/L	25 U	100 U	110 U	25 U	25 U
4,6-Dinitro-o-cresol	µg/L	25 U	100 U	110 U	25 U	25 U
4-Bromophenyl phenyl ether	µg/L	10 U	41 U	44 U	10 U	10 U
4-Chloro-3-methylphenol	µg/L	3 J	41 U	44 U	10 U	10 U
4-Chloroaniline	µg/L	10 U	41 U	44 U	10 U	10 U
4-Chlorophenyl phenyl ether	µg/L	10 U	41 U	44 U	10 U	10 U
4-Methylphenol	µg/L	12	200	200	20	76

	Event	Hart Crowser's RI Ecology Splits				
	Location	B-48	B-49	B-50	B-51	B-52
	SampleID	**B-48**	**B-49**	**B-50**	**B-51**	**B-52**
	Depth (bgs)	6.5 - 14.5 ft	9.5 - 15.5 ft	5 - 11 ft	7.5 - 13.5 ft	6.75 - 12.75 ft
	Sample Date	07/09/1993	07/09/1993	07/09/1993	08/03/1993	08/03/1993
Semivolatile Organic Compounds						
4-Nitroaniline	µg/L	25 U	100 U	110 U	25 U	25 U
4-Nitrophenol	µg/L	25 U	100 U	110 U	25 U	25 U
bis(2-chloroethoxy)methane	µg/L	10 U	41 U	44 U	10 U	10 U
bis(2-chloroethyl)ether	µg/L	10 U	41 U	44 U	10 U	10 U
bis-chloroisopropyl ether	µg/L	10 U	41 U	44 U	10 U	10 U
Carbazole	µg/L	10 U	23 J	44 U	10 U	10 U
Dibenzofuran	µg/L	10 U	24 J	44 U	10 U	10 U
Hexachlorobenzene	µg/L	10 U	41 U	44 U	10 U	10 U
Hexachlorobutadiene	µg/L	10 U	41 U	44 U	10 U	10 U
Hexachlorocyclopentadiene	µg/L	10 U	41 U	44 U	10 U	10 U
Hexachloroethane	µg/L	10 U	41 U	44 U	10 U	10 U
Isophorone	µg/L	10 U	41 U	44 U	10 U	10 U
Nitrobenzene	µg/L	10 U	41 U	44 U	10 U	10 U
N-Nitroso-di-n-propylamine	µg/L	10 U	41 U	44 U	10 U	10 U
N-Nitrosodiphenylamine	µg/L	10 U	41 U	44 U	10 U	10 U
Phenol	µg/L	4 J	41 U	32 J	10 U	10 U

	Event	**Hart Crowser's RI Event 2 Supplemental**				
	Location	B-39	B-40	B-41	B-42	B-42
	SampleID	**B-39**	**B-40**	**B-41**	**B-42**	**B-42 DUP**
	Depth (bgs)	5.5 - 11.82 ft	6.5 - 12.5 ft	5 - 11 ft	5.75 - 11.75 ft	5.75 - 11.75 ft
	Sample Date	11/18/1992	11/18/1992	11/18/1992	11/18/1992	11/18/1992
Volatile Organic Compounds						
Tetrachloroethene	µg/L	82000	14000	110000	94000	88000
Trichloroethene	µg/L	23000	1500	27000	30000	29000
cis-1,2-Dichloroethene	µg/L	30000	620	22000	29000	29000
trans-1,2-Dichloroethene	µg/L	340	500 U	1000 U	1000 U	1000 U
1,1-Dichloroethene	µg/L	470	500 U	1000 U	1000 U	1000 U
Vinyl chloride	µg/L	4900	500 U	2500	1700	1600
1,1,1,2-Tetrachloroethane	µg/L	12	500 U	1000 U	1000 U	1000 U
1,1,1-Trichloroethane	µg/L	5000	100 U	8100	11000	8600
1,1,2,2-Tetrachloroethane	µg/L	5 U	500 U	1000 U	1000 U	1000 U
1,1,2-Trichloroethane	µg/L	35	100 U	200 U	200 U	200 U
1,1-Dichloroethane	µg/L	430	500 U	1000 U	1000 U	1000 U
Chloroethane	µg/L	5 U	500 U	1000 U	1000 U	1000 U
1,2,3-Trichloropropane	µg/L	5 U	500 U	1000 U	1000 U	1000 U
1,2-Dichloroethane	µg/L	140	500 U	1000 U	1000 U	1000 U
1,2-Dichloropropane	µg/L	37	500 U	1000 U	1000 U	1000 U
Bromobenzene	µg/L	5 U	500 U	1000 U	1000 U	1000 U
Bromodichloromethane	µg/L	5 U	500 U	1000 U	1000 U	1000 U
Bromoform	µg/L	5 U	500 U	1000 U	1000 U	1000 U
Bromomethane	µg/L	5 U	500 U	1000 U	1000 U	1000 U
Carbon tetrachloride	µg/L	1 U	100 U	200 U	200 U	200 U
Chloroform	µg/L	130	100 U	200 U	200 U	200 U
Chloromethane	µg/L	5 U	500 U	1000 U	1000 U	1000 U
cis-1,3-Dichloropropene	µg/L	5 U	500 U	1000 U	1000 U	1000 U
Dibromochloromethane	µg/L	5 U	500 U	1000 U	1000 U	1000 U
Dibromomethane	µg/L	5 U	500 U	1000 U	1000 U	1000 U
Dichloromethane	µg/L	4400	500 U	6600	11000	11000
trans-1,3-Dichloropropene	µg/L	5 U	500 U	1000 U	1000 U	1000 U
Trichlorofluoromethane	µg/L	1 U	100 U	200 U	200 U	200 U

	Event	**Hart Crowser's RI Event 2 Supplemental**				
	Location	B-43	B-44	B-45	B-45	B-46
	SampleID	**B-43**	**B-44**	**B-45**	**B-45 DUP**	**B-46**
	Depth (bgs)	7 - 15 ft	9.5 - 15.5 ft	37 - 47 ft	37 - 47 ft	7.3 - 13.3 ft
	Sample Date	06/29/1993	06/29/1993	06/29/1993	06/29/1993	06/29/1993
Volatile Organic Compounds						
Tetrachloroethene	µg/L	140000	120000	2300	1700	80000
Trichloroethene	µg/L	94000	50000	10000	9300	23000
cis-1,2-Dichloroethene	µg/L	38000	58000	4400	4200	61000
trans-1,2-Dichloroethene	µg/L	500 U	500 U	50 U	50 U	500 U
1,1-Dichloroethene	µg/L	810	500 U	50 U	50 U	500 U
Vinyl chloride	µg/L	500 U	500 U	50 U	50 U	500 U
1,1,1,2-Tetrachloroethane	µg/L	500 U	500 U	50 U	50 U	500 U
1,1,1-Trichloroethane	µg/L	16000	8100	10 U	10 U	2500
1,1,2,2-Tetrachloroethane	µg/L	500 U	500 U	50 U	50 U	500 U
1,1,2-Trichloroethane	µg/L	100 U	100 U	10 U	10 U	100 U
1,1-Dichloroethane	µg/L	810	770	50 U	50 U	500 U
Chloroethane	µg/L	500 U	500 U	50 U	50 U	500 U
1,2,3-Trichloropropane	µg/L	500 U	500 U	50 U	50 U	500 U
1,2-Dichloroethane	µg/L	500 U	500 U	50 U	50 U	500 U
1,2-Dichloropropane	µg/L	500 U	500 U	50 U	50 U	500 U
Bromobenzene	µg/L	500 U	500 U	50 U	50 U	500 U
Bromodichloromethane	µg/L	500 U	500 U	50 U	50 U	500 U
Bromoform	µg/L	500 U	500 U	50 U	50 U	500 U
Bromomethane	µg/L	500 U	500 U	50 U	50 U	500 U
Carbon tetrachloride	µg/L	100 U	100 U	10 U	10 U	100 U
Chloroform	µg/L	100 U	100 U	10 U	10 U	100 U
Chloromethane	µg/L	500 U	500 U	50 U	50 U	500 U
cis-1,3-Dichloropropene	µg/L	500 U	500 U	50 U	50 U	500 U
Dibromochloromethane	µg/L	500 U	500 U	50 U	50 U	500 U
Dibromomethane	µg/L	500 U	500 U	50 U	50 U	500 U
Dichloromethane	µg/L	12000	9700	50 U	50 U	1300
trans-1,3-Dichloropropene	µg/L	500 U	500 U	50 U	50 U	500 U
Trichlorofluoromethane	µg/L	100 U	100 U	10 U	10 U	100 U

	Event	**Hart Crowser's RI Event 2 Supplemental**				
	Location	B-47	B-47	B-48	B-49	B-50
	SampleID	**B-47**	**B-47 DUP**	**B-48**	**B-49**	**B-50**
	Depth (bgs)	6.8 - 12.8 ft	6.8 - 12.8 ft	6.5 - 14.5 ft	9.5 - 15.5 ft	5 - 11 ft
	Sample Date	07/09/1993	07/09/1993	07/09/1993	07/09/1993	07/09/1993
Volatile Organic Compounds						
Tetrachloroethene	µg/L	100000	110000	25000	103000	140000
Trichloroethene	µg/L	47000	50000	30000	54000	12000
cis-1,2-Dichloroethene	µg/L	72000	75000	13000	34000	74000
trans-1,2-Dichloroethene	µg/L	1000 U	1250 U	250 U	1000 U	1000 U
1,1-Dichloroethene	µg/L	1000 U	1250 U	250 U	1000 U	1000 U
Vinyl chloride	µg/L	1300	1200	1100	1000 U	2100
1,1,1,2-Tetrachloroethane	µg/L	1000 U	1250 U	250 U	1000 U	1000 U
1,1,1-Trichloroethane	µg/L	8700	8900	5600	11000	200 U
1,1,2,2-Tetrachloroethane	µg/L	1000 U	1250 U	250 U	1000 U	1000 U
1,1,2-Trichloroethane	µg/L	200 U	250 U	50 U	200 U	200 U
1,1-Dichloroethane	µg/L	1000 U	1250 U	250 U	1000 U	1000 U
Chloroethane	µg/L	1000 U	1250 U	250 U	1000 U	1000 U
1,2,3-Trichloropropane	µg/L	1000 U	1250 U	250 U	1000 U	1000 U
1,2-Dichloroethane	µg/L	1000 U	1250 U	250 U	1000 U	1000 U
1,2-Dichloropropane	µg/L	1000 U	1250 U	250 U	1000 U	1000 U
Bromobenzene	µg/L	1000 U	1250 U	250 U	1000 U	1000 U
Bromodichloromethane	µg/L	1000 U	1250 U	250 U	1000 U	1000 U
Bromoform	µg/L	1000 U	1250 U	250 U	1000 U	1000 U
Bromomethane	µg/L	1000 U	1250 U	250 U	1000 U	1000 U
Carbon tetrachloride	µg/L	200 U	250 U	50 U	200 U	200 U
Chloroform	µg/L	200 U	250 U	50 U	200 U	200 U
Chloromethane	µg/L	1000 U	1250 U	250 U	1000 U	1000 U
cis-1,3-Dichloropropene	µg/L	1000 U	1250 U	250 U	1000 U	1000 U
Dibromochloromethane	µg/L	1000 U	1250 U	250 U	1000 U	1000 U
Dibromomethane	µg/L	1000 U	1250 U	250 U	1000 U	1000 U
Dichloromethane	µg/L	12000	13000	880	8400	1000 U
trans-1,3-Dichloropropene	µg/L	1000 U	1250 U	250 U	1000 U	1000 U
Trichlorofluoromethane	µg/L	200 U	250 U	50 U	200 U	200 U

	Event	**Hart Crowser's RI Event 2 Supplemental**				
	Location	B-51	B-52	B-52		
	SampleID	**B-51**	**B-52**	**B-52 DUP**		
	Depth (bgs)	7.5 - 13.5 ft	6.75 - 12.75 ft	6.75 - 12.75 ft		
	Sample Date	08/03/1993	08/03/1993	08/03/1993		
Volatile Organic Compounds						
Tetrachloroethene	µg/L	58000	49000	52000		
Trichloroethene	µg/L	40000	8800	9300		
cis-1,2-Dichloroethene	µg/L	23000	25000	27000		
trans-1,2-Dichloroethene	µg/L	500 U	500 U	500 U		
1,1-Dichloroethene	µg/L	500 U	500 U	500 U		
Vinyl chloride	µg/L	780	960	1000		
1,1,1,2-Tetrachloroethane	µg/L	500 U	500 U	500 U		
1,1,1-Trichloroethane	µg/L	9600	460	570		
1,1,2,2-Tetrachloroethane	µg/L	500 U	500 U	500 U		
1,1,2-Trichloroethane	µg/L	100 U	100 U	100 U		
1,1-Dichloroethane	µg/L	500	500 U	500 U		
Chloroethane	µg/L	500 U	500 U	500 U		
1,2,3-Trichloropropane	µg/L	500 U	500 U	500 U		
1,2-Dichloroethane	µg/L	500 U	500 U	500 U		
1,2-Dichloropropane	µg/L	500 U	500 U	500 U		
Bromobenzene	µg/L	500 U	500 U	500 U		
Bromodichloromethane	µg/L	500 U	500 U	500 U		
Bromoform	µg/L	500 U	500 U	500 U		
Bromomethane	µg/L	500 U	500 U	500 U		
Carbon tetrachloride	µg/L	100 U	100 U	100 U		
Chloroform	µg/L	100 U	100 U	100 U		
Chloromethane	µg/L	500 U	500 U	500 U		
cis-1,3-Dichloropropene	µg/L	500 U	500 U	500 U		
Dibromochloromethane	µg/L	500 U	500 U	500 U		
Dibromomethane	µg/L	500 U	500 U	500 U		
Dichloromethane	µg/L	3800	500 U	500 U		
trans-1,3-Dichloropropene	µg/L	500 U	500 U	500 U		
Trichlorofluoromethane	µg/L	100 U	100 U	100 U		

	Event	Hart Crowser's RI Event 2				
	Location	B-01	B-05	B-06	B-08	B-09
	SampleID	**B-1**	**B-5**	**B-6**	**B-8**	**B-9**
	Depth (bgs)	6.5 - 16.5 ft	40 - 45 ft	40.5 - 45.5 ft	39.5 - 44.5 ft	38.5 - 43.5 ft
	Sample Date	09/09/1992	09/09/1992	09/03/1992	09/16/1992	09/16/1992
Volatile Organic Compounds						
Tetrachloroethene	µg/L	1	33	1	7600	78
Trichloroethene	µg/L	17	10	1 U	11000	36
1,2-Dichloroethene (total)	µg/L	2400	6	4	1100	54
1,1-Dichloroethene	µg/L	5	1 U	1 U	2	1 U
Vinyl chloride	µg/L	880	1 U	1 U	130	6.5
1,1,1-Trichloroethane	µg/L	3	1 U	1 U	1	1 U
1,1,2,2-Tetrachloroethane	µg/L	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichloroethane	µg/L	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	µg/L	79	1 U	1 U	5	1
Chloroethane	µg/L	1 U	1 U	1 U	1 U	1 U
1,2,4-Trichlorobenzene	µg/L		10 U	10 U	10 U	10 U
1,2-Dichlorobenzene	µg/L		10 U	10 U	10 U	10 U
1,2-Dichloroethane	µg/L	1 U	1 U	1 U	1 U	42
1,2-Dichloropropane	µg/L	6	1 U	1 U	1 U	1 U
1,3-Dichlorobenzene	µg/L		10 U	10 U	10 U	10 U
1,4-Dichlorobenzene	µg/L		10 U	10 U	10 U	10 U
2-Hexanone	µg/L	10 U	10 U	10 U	10 U	10 U
Acetone	µg/L	24 U	10 U	10 U	10 U	10 U
Bromodichloromethane	µg/L	1 U	1 U	1 U	1 U	1 U
Bromoform	µg/L	5 U	5 U	5 U	5 U	5 U
Bromomethane	µg/L	10 U	10 U	10 U	10 U	10 U
Carbon disulfide	µg/L	1 U	1 U	1 U	1 U	1 U
Carbon tetrachloride	µg/L	1 U	1 U	1 U	1 U	1 U
Chlorobenzene	µg/L	1 U	1 U	1 U	1 U	1 U
Chloroform	µg/L	1 U	1 U	1 U	1 U	1 U
Chloromethane	µg/L	10 U	10 U	10 U	10 U	10 U
cis-1,3-Dichloropropene	µg/L	1 U	1 U	1 U	1 U	1 U
Dibromochloromethane	µg/L	1 U	1 U	1 U	1 U	1 U
Dichloromethane	µg/L	7 U	5 U	5 U	5 U	5 U
Methyl ethyl ketone	µg/L	10 U	10 U	10 U	10 U	10 U
Methyl iso butyl ketone	µg/L	10 U	10 U	10 U	10 U	10 U
trans-1,3-Dichloropropene	µg/L	1 U	1 U	1 U	1 U	1 U
Vinyl acetate	µg/L	10 U	10 U	10 U	10 U	10 U
Total Petroleum Hydrocarbons						
Diesel #2	µg/L	1000 U	1000 U	1000 U	1000 U	1000 U
Gasoline	µg/L	1000 U				
Gasoline Range Hydrocarbons	µg/L		1000 U	1000 U	10000 J	1000 U
Motor Oil	µg/L	20000 U	20000 U	20000 U	20000 U	20000 U
Thinner	µg/L	5000 U	5000 U	5000 U	5000 U	5000 U
BTEX						
Benzene	µg/L	7	1 U	1 U	6	1 U
Toluene	µg/L	2	1 U	1 U	35	3
Ethylbenzene	µg/L	1	1 U	1 U	63	1 U
Xylene (total)	µg/L	7	1 U	1 U	20	1 U
Alkylated Benzenes						
Styrene	µg/L	1 U	1 U	1 U	1 U	1 U
Semivolatile Organic Compounds						
Benzo(a)anthracene	µg/L		10 U	10 U	10 U	10 U

	Event	Hart Crowser's RI Event 2				
	Location	B-01	B-05	B-06	B-08	B-09
	SampleID	**B-1**	**B-5**	**B-6**	**B-8**	**B-9**
	Depth (bgs)	6.5 - 16.5 ft	40 - 45 ft	40.5 - 45.5 ft	39.5 - 44.5 ft	38.5 - 43.5 ft
	Sample Date	09/09/1992	09/09/1992	09/03/1992	09/16/1992	09/16/1992
Semivolatile Organic Compounds						
Benzo(a)pyrene	µg/L		10 U	10 U	10 U	10 U
Benzo(g,h,i)perylene	µg/L		10 U	10 U	10 U	10 U
Benzo(b)fluoranthene	µg/L		10 U	10 U	10 U	10 U
Benzo(k)fluoranthene	µg/L		10 U	10 U	10 U	10 U
Chrysene	µg/L		10 U	10 U	10 U	10 U
Dibenzo(a,h)anthracene	µg/L		10 U	10 U	10 U	10 U
Fluoranthene	µg/L		10 U	10 U	10 U	10 U
Indeno(1,2,3-cd)pyrene	µg/L		10 U	10 U	10 U	10 U
Pyrene	µg/L		10 U	10 U	10 U	10 U
1-Methylnaphthalene	µg/L	10 U	10 U	10 U	10 U	10 U
Acenaphthene	µg/L		10 U	10 U	10 U	10 U
Acenaphthylene	µg/L		10 U	10 U	10 U	10 U
Anthracene	µg/L		10 U	10 U	10 U	10 U
Fluorene	µg/L		10 U	10 U	10 U	10 U
Naphthalene	µg/L		10 U	10 U	10 U	10 U
Phenanthrene	µg/L		10 U	10 U	10 U	10 U
bis(2-ethylhexyl)phthalate	µg/L		10 U	10 U	17	16
Di-n-butyl phthalate	µg/L		10 U	10 U	10 U	10 U
Butyl benzyl phthalate	µg/L		10 U	10 U	10 U	10 U
Diethylphthalate	µg/L		10 U	10 U	10 U	10 U
Dimethyl phthalate	µg/L		10 U	10 U	10 U	10 U
Di-n-octyl phthalate	µg/L		10 U	10 U	10 U	10 U
Pentachlorophenol	µg/L	0.12	50 U	0.05 U	9.4	50 U
Tetrachlorophenols (total)	µg/L	0.4 U	0.4 U	0.2 U	20 U	1 U
2,4-Dichlorophenol	µg/L	2 U	10 U	10 U	100 U	10 U
2,4,5-Trichlorophenol	µg/L	4.1	0.8 U	0.4 U	50 U	50 U
2,4,6-Trichlorophenol	µg/L	10 U	0.4 U	0.2 U	20 U	10 U
2-Chlorophenol	µg/L	10 U	10 U	10 U	10 U	10 U
2,4-Dimethylphenol	µg/L	10 U	10 U	10 U	10 U	10 U
2,4-Dinitrophenol	µg/L	50 U	50 U	50 U	50 U	50 U
2,4-Dinitrotoluene	µg/L		10 U	10 U	10 U	10 U
2,6-Dinitrotoluene	µg/L		10 U	10 U	10 U	10 U
2-Chloronaphthalene	µg/L		10 U	10 U	10 U	10 U
2-Methylphenol	µg/L	10 U	10 U	10 U	10 U	10 U
2-Nitroaniline	µg/L		50 U	50 U	50 U	50 U
2-Nitrophenol	µg/L	10 U	10 U	10 U	10 U	10 U
3,3'-Dichlorobenzidine	µg/L		20 U	20 U	20 U	20 U
2-Methylnaphthalene	µg/L		10 U	10 U	10 U	10 U
3-Nitroaniline	µg/L		50 U	50 U	50 U	50 U
4,6-Dinitro-o-cresol	µg/L	50 U	50 U	50 U	50 U	50 U
4-Bromophenyl phenyl ether	µg/L		10 U	10 U	10 U	10 U
4-Chloro-3-methylphenol	µg/L		10 U	10 U	10 U	10 U
4-Chloroaniline	µg/L		10 U	10 U	10 U	10 U
4-Chlorophenyl phenyl ether	µg/L		10 U	10 U	10 U	10 U
4-Methylphenol	µg/L	10 U	10 U	10 U	10 U	10 U
4-Nitroaniline	µg/L		50 U	50 U	50 U	50 U
4-Nitrophenol	µg/L	50 U	50 U	50 U	50 U	50 U
Aniline	µg/L		10 U	10 U	10 U	10 U

	Event	**Hart Crowser's RI Event 2**				
	Location	B-01	B-05	B-06	B-08	B-09
	SampleID	**B-1**	**B-5**	**B-6**	**B-8**	**B-9**
	Depth (bgs)	6.5 - 16.5 ft	40 - 45 ft	40.5 - 45.5 ft	39.5 - 44.5 ft	38.5 - 43.5 ft
	Sample Date	09/09/1992	09/09/1992	09/03/1992	09/16/1992	09/16/1992
Semivolatile Organic Compounds						
Benzidine	µg/L		100 U	100 U	100 U	100 U
Benzoic acid	µg/L	50 U	50 U	50 U	50 U	50 U
Benzyl alcohol	µg/L		10 U	10 U	10 U	10 U
bis(2-chloroethoxy)methane	µg/L		10 U	10 U	10 U	10 U
bis(2-chloroethyl)ether	µg/L		10 U	10 U	10 U	10 U
bis(2-chloroisopropyl)ether	µg/L		10 U	10 U	10 U	10 U
Dibenzofuran	µg/L		10 U	10 U	10 U	10 U
Hexachlorobenzene	µg/L		10 U	10 U	10 U	10 U
Hexachlorobutadiene	µg/L		10 U	10 U	10 U	10 U
Hexachlorocyclopentadiene	µg/L		10 U	10 U	10 U	10 U
Hexachloroethane	µg/L		10 U	10 U	10 U	10 U
Isophorone	µg/L		10 U	10 U	10 U	10 U
Nitrobenzene	µg/L		10 U	10 U	10 U	10 U
N-Nitrosodimethylamine	µg/L		10 U	10 U	10 U	10 U
N-Nitroso-di-n-propylamine	µg/L		10 U	10 U	10 U	10 U
N-Nitrosodiphenylamine	µg/L		10 U	10 U	10 U	10 U
Phenol	µg/L	10 U	10 U	10 U	10 U	10 U
Glycols & Alcohols						
Diethylene glycol	µg/L	5000 U	5000 U	5000 U	5000 U	5000 U
Ethylene glycol	µg/L	5000 U	5000 U	5000 U	5000 U	5000 U
Propylene glycol	µg/L	5000 U	5000 U	5000 U	5000 U	5000 U
Ethanol	µg/L	2000 U	2000 U	2000 U	2000 U	2000 U
Methanol	µg/L	2000 U	2000 U	2000 U	2000 U	2000 U
1-Propanol	µg/L	2000 U	2000 U	2000 U	2000 U	2000 U
iso-Propanol	µg/L	2000 U	2000 U	2000 U	2000 U	2000 U
Dissolved Metals						
Aluminum	mg/L	0.06				0.05 U
Arsenic	mg/L	0.005 U				0.005 U
Barium	mg/L	0.01 U				0.01 U
Cadmium	mg/L	0.0002 U				0.0002 U
Chromium	mg/L	0.005 U				0.005 U
Copper	mg/L	0.005 U				0.005 U
Lead	mg/L	0.003 U				0.003 U
Mercury	mg/L	0.0002 U				0.0002 U
Nickel	mg/L	0.01 U				0.01 U
Zinc	mg/L	0.01 U				0.01

	Event	Hart Crowser's RI Event 2				
	Location	B-09	B-10A	B-11	B-11	B-12
	SampleID	**B-69 (B-9 DUP)**	**B-10A**	**B-11**	**B-68 (B-11 DUP)**	**B-12**
	Depth (bgs)	38.5 - 43.5 ft	9.5 - 14.5 ft	11 - 13 ft	11 - 13 ft	10.5 - 13 ft
	Sample Date	09/16/1992	09/16/1992	09/15/1992	09/15/1992	09/17/1992
Volatile Organic Compounds						
Tetrachloroethene	µg/L	72	860	93000	90000	110000
Trichloroethene	µg/L	35	370	55000	52000	19000
1,2-Dichloroethene (total)	µg/L	52	5600	17000	18000	60000
1,1-Dichloroethene	µg/L	1 U	12	100 U	100 U	100 U
Vinyl chloride	µg/L	7.4	1300	100 U	23	990
1,1,1-Trichloroethane	µg/L	1 U	1 U	4200	4100	4600
1,1,2,2-Tetrachloroethane	µg/L	1 U	1 U	100 U	100 U	100 U
1,1,2-Trichloroethane	µg/L	1 U	1 U	100 U	100 U	100 U
1,1-Dichloroethane	µg/L	1	110	910	930	390
Chloroethane	µg/L	1 U	1 U	100 U	100 U	100 U
1,2,4-Trichlorobenzene	µg/L	10 U		200 U	200 U	100 U
1,2-Dichlorobenzene	µg/L	10 U		200 U	200 U	170
1,2-Dichloroethane	µg/L	44	71	100 U	100 U	100 U
1,2-Dichloropropane	µg/L	1 U	70	100 U	100 U	100 U
1,3-Dichlorobenzene	µg/L	10 U		200 U	200 U	100 U
1,4-Dichlorobenzene	µg/L	10 U		200 U	200 U	100 U
2-Hexanone	µg/L	10 U	10 U	1000 U	1000 U	1000 U
Acetone	µg/L	10 U	10 U	22000	20000	4700 U
Bromodichloromethane	µg/L	1 U	1 U	100 U	100 U	100 U
Bromoform	µg/L	5 U	5 U	500 U	500 U	500 U
Bromomethane	µg/L	10 U	10 U	1000 U	1000 U	1000 U
Carbon disulfide	µg/L	1 U	1 U	100 U	100 U	100 U
Carbon tetrachloride	µg/L	1 U	1 U	100 U	100 U	100 U
Chlorobenzene	µg/L	1 U	1 U	100 U	100 U	100 U
Chloroform	µg/L	1 U	1 U	100	100 U	100 U
Chloromethane	µg/L	10 U	10 U	1000 U	1000 U	1000 U
cis-1,3-Dichloropropene	µg/L	1 U	1 U	100 U	100 U	100 U
Dibromochloromethane	µg/L	1 U	1 U	100 U	100 U	100 U
Dichloromethane	µg/L	5 U	5 U	6100	6200	3200
Methyl ethyl ketone	µg/L	10 U	10 U	46000	42000	1700 U
Methyl iso butyl ketone	µg/L	10 U	10 U	7600	7200	1500
trans-1,3-Dichloropropene	µg/L	1 U	1 U	100 U	100 U	100 U
Vinyl acetate	µg/L	10 U	10 U	1000 U	1000 U	1000 U
Total Petroleum Hydrocarbons						
Diesel #2	µg/L	1000 U	4000 JN	1000 U	5000 U	5000 U
Gasoline Range Hydrocarbons	µg/L	1000 U	4000	100000	100000	70000 J
Motor Oil	µg/L	20000 U	20000 U	20000 U	100000 U	100000 U
Thinner	µg/L	5000 U	5000 U	5000 U	25000 U	25000 U
BTEX						
Benzene	µg/L	1 U	81	110	100	230
Toluene	µg/L	2	440	29000	29000	20000
Ethylbenzene	µg/L	1 U	460	100 U	100 U	1100
Xylene (total)	µg/L	1 U	1400	430	440	4100
Alkylated Benzenes						
Styrene	µg/L	1 U	1 U	100 U	100 U	390
Semivolatile Organic Compounds						
Benzo(a)anthracene	µg/L	10 U		200 U	200 U	100 U
Benzo(a)pyrene	µg/L	10 U		200 U	200 U	100 U

	Event	Hart Crowser's RI Event 2				
	Location	B-09	B-10A	B-11	B-11	B-12
	SampleID	**B-69 (B-9 DUP)**	**B-10A**	**B-11**	**B-68 (B-11 DUP)**	**B-12**
	Depth (bgs)	38.5 - 43.5 ft	9.5 - 14.5 ft	11 - 13 ft	11 - 13 ft	10.5 - 13 ft
	Sample Date	09/16/1992	09/16/1992	09/15/1992	09/15/1992	09/17/1992
Semivolatile Organic Compounds						
Benzo(g,h,i)perylene	µg/L	10 U		200 U	200 U	100 U
Benzo(b)fluoranthene	µg/L	10 U		200 U	200 U	100 U
Benzo(k)fluoranthene	µg/L	10 U		200 U	200 U	100 U
Chrysene	µg/L	10 U		200 U	200 U	100 U
Dibenzo(a,h)anthracene	µg/L	10 U		200 U	200 U	100 U
Fluoranthene	µg/L	10 U		200 U	200 U	100 U
Indeno(1,2,3-cd)pyrene	µg/L	10 U		200 U	200 U	100 U
Pyrene	µg/L	10 U		200 U	200 U	100 U
1-Methylnaphthalene	µg/L	10 U	10 U	200 U	200 U	100 U
Acenaphthene	µg/L	10 U		200 U	200 U	100 U
Acenaphthylene	µg/L	10 U		200 U	200 U	100 U
Anthracene	µg/L	10 U		200 U	200 U	100 U
Fluorene	µg/L	10 U		200 U	200 U	100 U
Naphthalene	µg/L	10 U	140 J	200 U	200 U	100 U
Phenanthrene	µg/L	10 U		200 U	200 U	100 U
bis(2-ethylhexyl)phthalate	µg/L	16		200 U	200 U	100 U
Di-n-butyl phthalate	µg/L	10 U		200 U	200 U	100 U
Butyl benzyl phthalate	µg/L	10 U		200 U	200 U	100 U
Diethylphthalate	µg/L	10 U		200 U	200 U	100 U
Dimethyl phthalate	µg/L	10 U		200 U	200 U	100 U
Di-n-octyl phthalate	µg/L	10 U		200 U	200 U	100 U
Pentachlorophenol	µg/L	50 U	1.8	6100	5900	1400
Tetrachlorophenols (total)	µg/L	1 U	4 U	20000 U	20000 U	4000 U
2,4-Dichlorophenol	µg/L	10 U	10 U	200 U	100000 U	100 U
2,4,5-Trichlorophenol	µg/L	2 U	8 U	40000 U	1000 U	500 U
2,4,6-Trichlorophenol	µg/L	1 U	4 U	20000 U	200 U	4000 U
2-Chlorophenol	µg/L	10 U	10 U	200 U	200 U	100 U
2,4-Dimethylphenol	µg/L	10 U	10 U	200 U	200 U	140
2,4-Dinitrophenol	µg/L	50 U	50 U	1000 U	1000 U	500 U
2,4-Dinitrotoluene	µg/L	10 U		200 U	200 U	100 U
2,6-Dinitrotoluene	µg/L	10 U		200 U	200 U	100 U
2-Chloronaphthalene	µg/L	10 U		200 U	200 U	100 U
2-Methylphenol	µg/L	10 U	10 U	250	330	330
2-Nitroaniline	µg/L	50 U		1000 U	1000 U	500 U
2-Nitrophenol	µg/L	10 U	10 U	200 U	200 U	100 U
3,3'-Dichlorobenzidine	µg/L	20 U		400 U	400 U	200 U
2-Methylnaphthalene	µg/L	10 U	76 J	200 U	200 U	100 U
3-Nitroaniline	µg/L	50 U		1000 U	1000 U	500 U
4,6-Dinitro-o-cresol	µg/L	50 U	50 U	1000 U	1000 U	500 U
4-Bromophenyl phenyl ether	µg/L	10 U		200 U	200 U	100 U
4-Chloro-3-methylphenol	µg/L	10 U	10 U	200 U	200 U	100 U
4-Chloroaniline	µg/L	10 U		200 U	200 U	100 U
4-Chlorophenyl phenyl ether	µg/L	10 U		200 U	200 U	100 U
4-Methylphenol	µg/L	10 U	10 U	200	200	270
4-Nitroaniline	µg/L	50 U		1000 U	1000 U	500 U
4-Nitrophenol	µg/L	50 U	50 U	1000 U	1000 U	500 U
Aniline	µg/L	10 U		200 U	200 U	100 U
Benzidine	µg/L	100 U		2000 U	2000 U	1000 U

	Event	Hart Crowser's RI Event 2				
	Location	B-09	B-10A	B-11	B-11	B-12
	SampleID	**B-69 (B-9 DUP)**	**B-10A**	**B-11**	**B-68 (B-11 DUP)**	**B-12**
	Depth (bgs)	38.5 - 43.5 ft	9.5 - 14.5 ft	11 - 13 ft	11 - 13 ft	10.5 - 13 ft
	Sample Date	09/16/1992	09/16/1992	09/15/1992	09/15/1992	09/17/1992
Semivolatile Organic Compounds						
Benzoic acid	µg/L	50 U	50 U	1200	1200	950
Benzyl alcohol	µg/L	10 U		200 U	200 U	260
bis(2-chloroethoxy)methane	µg/L	10 U		200 U	200 U	100 U
bis(2-chloroethyl)ether	µg/L	10 U		200 U	200 U	100 U
bis(2-chloroisopropyl)ether	µg/L	10 U		200 U	200 U	100 U
Dibenzofuran	µg/L	10 U		200 U	200 U	100 U
Hexachlorobenzene	µg/L	10 U		200 U	200 U	100 U
Hexachlorobutadiene	µg/L	10 U		200 U	200 U	100 U
Hexachlorocyclopentadiene	µg/L	10 U		200 U	200 U	100 U
Hexachloroethane	µg/L	10 U		200 U	200 U	100 U
Isophorone	µg/L	10 U		200 U	200 U	100 U
Nitrobenzene	µg/L	10 U		200 U	200 U	100 U
N-Nitrosodimethylamine	µg/L	10 U		200 U	200 U	100 U
N-Nitroso-di-n-propylamine	µg/L	10 U		200 U	200 U	100 U
N-Nitrosodiphenylamine	µg/L	10 U		200 U	200 U	100 U
Phenol	µg/L	10 U	10 U	200 U	200 U	100 U
Glycols & Alcohols						
Diethylene glycol	µg/L	5000 U	5000 U	5000 U	5000 U	5000 U
Ethylene glycol	µg/L	5000 U	5000 U	5000 U	5000 U	5000 U
Propylene glycol	µg/L	5000 U	5000 U	5000 U	5000 U	5000 U
Ethanol	µg/L	2000 U	2000 U	30000	28000	2000 U
Methanol	µg/L	2000 U	2000 U	52000	50000	12000
1-Propanol	µg/L	2000 U	2000 U	6700	6300	2000
iso-Propanol	µg/L	2000 U	2000 U	7900	7500	3100
Dissolved Metals						
Aluminum	mg/L	0.05 U				
Arsenic	mg/L	0.005 U				
Barium	mg/L	0.01 U				
Cadmium	mg/L	0.0002				
Chromium	mg/L	0.005 U				
Copper	mg/L	0.005 U				
Lead	mg/L	0.003 U				
Mercury	mg/L	0.0002 U				
Nickel	mg/L	0.01 U				
Zinc	mg/L	0.01				

	Event	Hart Crowser's RI Event 2				
	Location	B-13	B-14	B-15	B-16	B-17
	SampleID	**B-13**	**B-14**	**B-15**	**B-16**	**B-17**
	Depth (bgs)	7 - 12 ft	8.5 - 13.5 ft	12 - 17 ft	11 - 16 ft	40 - 50 ft
	Sample Date	09/16/1992	09/09/1992	09/14/1992	09/09/1992	09/09/1992
Volatile Organic Compounds						
Tetrachloroethene	µg/L	8500	1200	110000	140	2
Trichloroethene	µg/L	440	190	21000	91	1 U
1,2-Dichloroethene (total)	µg/L	300	590	30000	37000	4
1,1-Dichloroethene	µg/L	1 U	1 U	100 U	28	1 U
Vinyl chloride	µg/L	0.2 U	1 U	270	3400	1 U
1,1,1-Trichloroethane	µg/L	8	36	1600	290	1 U
1,1,2,2-Tetrachloroethane	µg/L	1 U	1 U	100 U	5 U	1 U
1,1,2-Trichloroethane	µg/L	1 U	1 U	100 U	5 U	1 U
1,1-Dichloroethane	µg/L	3	17	720	390	1 U
Chloroethane	µg/L	1 U	1 U	100 U	5 U	1 U
1,2,4-Trichlorobenzene	µg/L	10 U	10 U	10 U	10 U	10 U
1,2-Dichlorobenzene	µg/L	10 U	10 U	10 U	11	10 U
1,2-Dichloroethane	µg/L	1 U	1 U	100 U	7	1 U
1,2-Dichloropropane	µg/L	1 U	1 U	100 U	5 U	1 U
1,3-Dichlorobenzene	µg/L	10 U	10 U	10 U	10 U	10 U
1,4-Dichlorobenzene	µg/L	10 U	10 U	10 U	10 U	10 U
2-Hexanone	µg/L	10 U	10 U	1000 U	50 U	10 U
Acetone	µg/L	10 U	10 U	2600	70 U	10 U
Bromodichloromethane	µg/L	1 U	1 U	100 U	5 U	1 U
Bromoform	µg/L	5 U	5 U	500 U	25 U	5 U
Bromomethane	µg/L	10 U	10 U	1000 U	50 U	10 U
Carbon disulfide	µg/L	1 U	1 U	100 U	5 U	1 U
Carbon tetrachloride	µg/L	1 U	1 U	100 U	5 U	1 U
Chlorobenzene	µg/L	1 U	1 U	100 U	5 U	1 U
Chloroform	µg/L	5	1	100 U	5 U	1 U
Chloromethane	µg/L	10 U	10 U	1000 U	50 U	10 U
cis-1,3-Dichloropropene	µg/L	1 U	1 U	100 U	5 U	1 U
Dibromochloromethane	µg/L	1 U	1 U	100 U	5 U	1 U
Dichloromethane	µg/L	5 U	7 U	6700	32 U	6 U
Methyl ethyl ketone	µg/L	10 U	10 U	5100 U	120 U	10 U
Methyl iso butyl ketone	µg/L	10 U	10 U	1800	430	10 U
trans-1,3-Dichloropropene	µg/L	1 U	1 U	100 U	5 U	1 U
Vinyl acetate	µg/L	10 U	10 U	1000 U	50 U	10 U
Total Petroleum Hydrocarbons						
Diesel #2	µg/L	1000 U	1000 U	1000 U	1000 U	1000 U
Gasoline Range Hydrocarbons	µg/L	2000	1000	45000	7000	1000 U
Motor Oil	µg/L	20000 U	20000 U	20000 U	20000 U	20000 U
Thinner	µg/L	5000 U	5000 U	5000 U	5000 U	5000 U
BTEX						
Benzene	µg/L	1 U	1 U	100 U	56	1 U
Toluene	µg/L	1 U	1 U	1700	1300	1 U
Ethylbenzene	µg/L	1 U	1 U	270	1100	1 U
Xylene (total)	µg/L	1 U	1 U	3500	1600	1 U
Alkylated Benzenes						
Styrene	µg/L	1 U	1 U	100 U	5 U	1 U
Semivolatile Organic Compounds						
Benzo(a)anthracene	µg/L	10 U	10 U	10 U	10 U	10 U
Benzo(a)pyrene	µg/L	10 U	10 U	10 U	10 U	10 U

	Event	Hart Crowser's RI Event 2				
	Location	B-13	B-14	B-15	B-16	B-17
	SampleID	**B-13**	**B-14**	**B-15**	**B-16**	**B-17**
	Depth (bgs)	7 - 12 ft	8.5 - 13.5 ft	12 - 17 ft	11 - 16 ft	40 - 50 ft
	Sample Date	09/16/1992	09/09/1992	09/14/1992	09/09/1992	09/09/1992
Semivolatile Organic Compounds						
Benzo(g,h,i)perylene	µg/L	10 U	10 U	10 U	10 U	10 U
Benzo(b)fluoranthene	µg/L	10 U	10 U	10 U	10 U	10 U
Benzo(k)fluoranthene	µg/L	10 U	10 U	10 U	10 U	10 U
Chrysene	µg/L	10 U	10 U	10 U	10 U	10 U
Dibenzo(a,h)anthracene	µg/L	10 U	10 U	10 U	10 U	10 U
Fluoranthene	µg/L	10 U	10 U	10 U	10 U	10 U
Indeno(1,2,3-cd)pyrene	µg/L	10 U	10 U	10 U	10 U	10 U
Pyrene	µg/L	10 U	10 U	10 U	10 U	10 U
1-Methylnaphthalene	µg/L	10 U	10 U	10 U	10 U	10 U
Acenaphthene	µg/L	10 U	10 U	10 U	10 U	10 U
Acenaphthylene	µg/L	10 U	10 U	10 U	10 U	10 U
Anthracene	µg/L	10 U	10 U	10 U	10 U	10 U
Fluorene	µg/L	10 U	10 U	10 U	10 U	10 U
Naphthalene	µg/L	10 U	10 U	12 J	10 U	10 U
Phenanthrene	µg/L	10 U	10 U	10 U	10 U	10 U
bis(2-ethylhexyl)phthalate	µg/L	10 U	10 U	10 U	10 U	10 U
Di-n-butyl phthalate	µg/L	10 U	10 U	10 U	10 U	10 U
Butyl benzyl phthalate	µg/L	10 U	10 U	10 U	10 U	10 U
Diethylphthalate	µg/L	10 U	10 U	10 U	10 U	10 U
Dimethyl phthalate	µg/L	10 U	10 U	10 U	10 U	10 U
Di-n-octyl phthalate	µg/L	10 U	10 U	10 U	10 U	10 U
Pentachlorophenol	µg/L	0.26	0.08	120	50 U	0.1
Tetrachlorophenols (total)	µg/L	1 U	0.2 U	400 U	20 U	0.2 U
2,4-Dichlorophenol	µg/L	5 U	1 U	2000 U	10 U	1 U
2,4,5-Trichlorophenol	µg/L	2 U	50 U	800 U	40 U	0.4 U
2,4,6-Trichlorophenol	µg/L	10 U	0.2 U	400 U	20 U	0.2 U
2-Chlorophenol	µg/L	10 U	10 U	10 U	10 U	10 U
2,4-Dimethylphenol	µg/L	10 U	10 U	210	22	10 U
2,4-Dinitrophenol	µg/L	50 U	50 U	50 U	50 U	50 U
2,4-Dinitrotoluene	µg/L	10 U	10 U	10 U	10 U	10 U
2,6-Dinitrotoluene	µg/L	10 U	10 U	10 U	10 U	10 U
2-Chloronaphthalene	µg/L	10 U	10 U	10 U	10 U	10 U
2-Methylphenol	µg/L	10 U	10 U	110	28	10 U
2-Nitroaniline	µg/L	50 U	50 U	50 U	50 U	50 U
2-Nitrophenol	µg/L	10 U	10 U	10 U	10 U	10 U
3,3'-Dichlorobenzidine	µg/L	20 U	20 U	20 U	20 U	20 U
2-Methylnaphthalene	µg/L	10 U	10 U	10 U	10 U	10 U
3-Nitroaniline	µg/L	50 U	50 U	50 U	50 U	50 U
4,6-Dinitro-o-cresol	µg/L	50 U	50 U	50 U	50 U	50 U
4-Bromophenyl phenyl ether	µg/L	10 U	10 U	10 U	10 U	10 U
4-Chloro-3-methylphenol	µg/L	10 U	10 U	10 U	10 U	10 U
4-Chloroaniline	µg/L	10 U	10 U	10 U	10 U	10 U
4-Chlorophenyl phenyl ether	µg/L	10 U	10 U	10 U	10 U	10 U
4-Methylphenol	µg/L	10 U	10 U	28	73	10 U
4-Nitroaniline	µg/L	50 U	50 U	50 U	50 U	50 U
4-Nitrophenol	µg/L	50 U	50 U	50 U	50 U	50 U
Aniline	µg/L	10 U	10 U	10 U	10 U	10 U
Benzidine	µg/L	100 U	100 U	100 U	100 U	100 U

	Event	**Hart Crowser's RI Event 2**				
	Location	B-13	B-14	B-15	B-16	B-17
	SampleID	**B-13**	**B-14**	**B-15**	**B-16**	**B-17**
	Depth (bgs)	7 - 12 ft	8.5 - 13.5 ft	12 - 17 ft	11 - 16 ft	40 - 50 ft
	Sample Date	09/16/1992	09/09/1992	09/14/1992	09/09/1992	09/09/1992
Semivolatile Organic Compounds						
Benzoic acid	µg/L	50 U	50 U	280	330	50 U
Benzyl alcohol	µg/L	10 U	10 U	10 U	10 U	10 U
bis(2-chloroethoxy)methane	µg/L	10 U	10 U	10 U	10 U	10 U
bis(2-chloroethyl)ether	µg/L	10 U	10 U	10 U	10 U	10 U
bis(2-chloroisopropyl)ether	µg/L	10 U	10 U	10 U	10 U	10 U
Dibenzofuran	µg/L	10 U	10 U	10 U	10 U	10 U
Hexachlorobenzene	µg/L	10 U	10 U	10 U	10 U	10 U
Hexachlorobutadiene	µg/L	10 U	10 U	10 U	10 U	10 U
Hexachlorocyclopentadiene	µg/L	10 U	10 U	10 U	10 U	10 U
Hexachloroethane	µg/L	10 U	10 U	10 U	10 U	10 U
Isophorone	µg/L	10 U	10 U	10 U	10 U	10 U
Nitrobenzene	µg/L	10 U	10 U	10 U	10 U	10 U
N-Nitrosodimethylamine	µg/L	10 U	10 U	10 U	10 U	10 U
N-Nitroso-di-n-propylamine	µg/L	10 U	10 U	10 U	10 U	10 U
N-Nitrosodiphenylamine	µg/L	10 U	10 U	10 U	10 U	10 U
Phenol	µg/L	10 U	10 U	10 U	10 U	10 U
Glycols & Alcohols						
Diethylene glycol	µg/L	5000 U	5000 U	5000 U	5000 U	5000 U
Ethylene glycol	µg/L	5000 U	5000 U	5000 U	5000 U	5000 U
Propylene glycol	µg/L	5000 U	5000 U	5000 U	5000 U	5000 U
Ethanol	µg/L	2000 U	2000 U	2000 U	2000 U	2000 U
Methanol	µg/L	2000 U	2000 U	11000	2400	2000 U
1-Propanol	µg/L	2000 U	2000 U	2000 U	2000 U	2000 U
iso-Propanol	µg/L	2000 U	2000 U	2000 U	2000 U	2000 U
Dissolved Metals						
Aluminum	mg/L			0.19		
Arsenic	mg/L			0.0088		
Barium	mg/L			0.01 U		
Cadmium	mg/L			0.0004		
Chromium	mg/L			0.04		
Copper	mg/L			0.005 U		
Lead	mg/L			0.003 U		
Mercury	mg/L			0.0002 U		
Nickel	mg/L			0.09		
Zinc	mg/L			0.11		

	Event	Hart Crowser's RI Event 2				
	Location	B-18	B-19	B-19	B-20	B-21
	SampleID	**B-18**	**B-19**	**B-66 (B-19 DUP)**	**B-20**	**B-21**
	Depth (bgs)	6 - 16 ft	37.5 - 47.5 ft	37.5 - 47.5 ft	6 - 16 ft	38 - 43 ft
	Sample Date	09/10/1992	09/10/1992	09/10/1992	09/10/1992	09/10/1992
Volatile Organic Compounds						
Tetrachloroethene	µg/L	27	46	53	31	20 U
Trichloroethene	µg/L	23	60	65	230	20 U
1,2-Dichloroethene (total)	µg/L	340	20	18	14000	37000
1,1-Dichloroethene	µg/L	2	1 U	1 U	84	65
Vinyl chloride	µg/L	680	1.3 J	1 U	14000	12000
1,1,1-Trichloroethane	µg/L	4	1 U	1 U	250	20 U
1,1,2,2-Tetrachloroethane	µg/L	1 U	1 U	1 U	3	20 U
1,1,2-Trichloroethane	µg/L	1 U	1 U	1 U	1 U	20 U
1,1-Dichloroethane	µg/L	32	1 U	1 U	310	40
Chloroethane	µg/L	1 U	1 U	1 U	1 U	20 U
1,2,4-Trichlorobenzene	µg/L	10 U	10 U	10 U	10 U	10 U
1,2-Dichlorobenzene	µg/L	10 U	10 U	10 U	14	18
1,2-Dichloroethane	µg/L	3	1 U	1 U	16	20 U
1,2-Dichloropropane	µg/L	1 U	1 U	1 U	8	20 U
1,3-Dichlorobenzene	µg/L	10 U	10 U	10 U	10 U	10 U
1,4-Dichlorobenzene	µg/L	10 U	10 U	10 U	10 U	10 U
2-Hexanone	µg/L	10 U	10 U	10 U	10 U	200 U
Acetone	µg/L	10 U	10 U	10 U	2200	900
Bromodichloromethane	µg/L	1 U	1 U	1 U	1 U	20 U
Bromoform	µg/L	5 U	5 U	5 U	5 U	100 U
Bromomethane	µg/L	10 U	10 U	10 U	10 U	200 U
Carbon disulfide	µg/L	1 U	1 U	1 U	1 U	20 U
Carbon tetrachloride	µg/L	1 U	1 U	1 U	1 U	20 U
Chlorobenzene	µg/L	1 U	1 U	1 U	44	20 U
Chloroform	µg/L	1 U	1 U	1 U	1	20 U
Chloromethane	µg/L	10 U	10 U	10 U	10 U	200 U
cis-1,3-Dichloropropene	µg/L	1 U	1 U	1 U	1 U	20 U
Dibromochloromethane	µg/L	1 U	1 U	1 U	1 U	20 U
Dichloromethane	µg/L	7 U	7 U	5 U	6 U	100 U
Methyl ethyl ketone	µg/L	10 U	10 U	10 U	1100 U	540 U
Methyl iso butyl ketone	µg/L	5 J	10 U	10 U	790	120 J
trans-1,3-Dichloropropene	µg/L	1 U	1 U	1 U	1 U	20 U
Vinyl acetate	µg/L	10 U	10 U	10 U	10 U	200 U
Total Petroleum Hydrocarbons						
Diesel #2	µg/L	1000 U	1000 U	1000 U	1000 U	1000 U
Gasoline Range Hydrocarbons	µg/L	1000	1000 U	1000 U	8000	8000
Motor Oil	µg/L	20000 U	20000 U	20000 U	20000 U	20000 U
Thinner	µg/L	5000 U	5000 U	5000 U	5000 U	5000 U
BTEX						
Benzene	µg/L	4	1 U	1 U	140	20 U
Toluene	µg/L	6	1 U	1 U	3600	610
Ethylbenzene	µg/L	1 U	1 U	1 U	610	610
Xylene (total)	µg/L	4	1 U	1 U	1600	390
Alkylated Benzenes						
Styrene	µg/L	1 U	1 U	1 U	1 U	20 U
Semivolatile Organic Compounds						
Benzo(a)anthracene	µg/L	10 U	10 U	10 U	10 U	10 U
Benzo(a)pyrene	µg/L	10 U	10 U	10 U	10 U	10 U

	Event	Hart Crowser's RI Event 2				
	Location	B-18	B-19	B-19	B-20	B-21
	SampleID	**B-18**	**B-19**	**B-66 (B-19 DUP)**	**B-20**	**B-21**
	Depth (bgs)	6 - 16 ft	37.5 - 47.5 ft	37.5 - 47.5 ft	6 - 16 ft	38 - 43 ft
	Sample Date	09/10/1992	09/10/1992	09/10/1992	09/10/1992	09/10/1992
Semivolatile Organic Compounds						
Benzo(g,h,i)perylene	µg/L	10 U	10 U	10 U	10 U	10 U
Benzo(b)fluoranthene	µg/L	10 U	10 U	10 U	10 U	10 U
Benzo(k)fluoranthene	µg/L	10 U	10 U	10 U	10 U	10 U
Chrysene	µg/L	10 U	10 U	10 U	10 U	10 U
Dibenzo(a,h)anthracene	µg/L	10 U	10 U	10 U	10 U	10 U
Fluoranthene	µg/L	10 U	10 U	10 U	10 U	10 U
Indeno(1,2,3-cd)pyrene	µg/L	10 U	10 U	10 U	10 U	10 U
Pyrene	µg/L	10 U	10 U	10 U	10 U	10 U
1-Methylnaphthalene	µg/L	10 U	10 U	10 U	10 U	10 U
Acenaphthene	µg/L	10 U	10 U	10 U	10 U	10 U
Acenaphthylene	µg/L	10 U	10 U	10 U	10 U	10 U
Anthracene	µg/L	10 U	10 U	10 U	10 U	10 U
Fluorene	µg/L	10 U	10 U	10 U	10 U	10 U
Naphthalene	µg/L	10 U	10 U	10 U	16	11
Phenanthrene	µg/L	10 U	10 U	10 U	10 U	10 U
bis(2-ethylhexyl)phthalate	µg/L	10 U	18	33	10 U	12
Di-n-butyl phthalate	µg/L	10 U	10 U	10 U	10 U	10 U
Butyl benzyl phthalate	µg/L	10 U	10 U	10 U	10 U	10 U
Diethylphthalate	µg/L	10 U	10 U	10 U	10 U	10 U
Dimethyl phthalate	µg/L	10 U	10 U	10 U	10 U	10 U
Di-n-octyl phthalate	µg/L	10 U	10 U	10 U	10 U	10 U
Pentachlorophenol	µg/L	0.09	50 U	0.22	37	50 U
Tetrachlorophenols (total)	µg/L	0.2 U	0.2 U	0.4 U	100 U	0.2 U
2,4-Dichlorophenol	µg/L	1 U	10 U	10 U	10 U	10 U
2,4,5-Trichlorophenol	µg/L	0.4 U	50 U	0.8 U	50 U	0.82
2,4,6-Trichlorophenol	µg/L	0.2 U	0.2 U	10 U	10 U	0.2 U
2-Chlorophenol	µg/L	10 U	10 U	10 U	10 U	10 U
2,4-Dimethylphenol	µg/L	10 U	10 U	10 U	10 U	10 U
2,4-Dinitrophenol	µg/L	50 U	50 U	50 U	50 U	50 U
2,4-Dinitrotoluene	µg/L	10 U	10 U	10 U	10 U	10 U
2,6-Dinitrotoluene	µg/L	10 U	10 U	10 U	10 U	10 U
2-Chloronaphthalene	µg/L	10 U	10 U	10 U	11	10 U
2-Methylphenol	µg/L	10 U	10 U	10 U	16	10 U
2-Nitroaniline	µg/L	50 U	50 U	50 U	50 U	50 U
2-Nitrophenol	µg/L	10 U	10 U	10 U	10 U	10 U
3,3'-Dichlorobenzidine	µg/L	20 U	20 U	20 U	20 U	20 U
2-Methylnaphthalene	µg/L	10 U	10 U	10 U	10 U	10 U
3-Nitroaniline	µg/L	50 U	50 U	50 U	50 U	50 U
4,6-Dinitro-o-cresol	µg/L	50 U	50 U	50 U	50 U	50 U
4-Bromophenyl phenyl ether	µg/L	10 U	10 U	10 U	10 U	10 U
4-Chloro-3-methylphenol	µg/L	10 U	10 U	10 U	10 U	10 U
4-Chloroaniline	µg/L	10 U	10 U	10 U	10 U	10 U
4-Chlorophenyl phenyl ether	µg/L	10 U	10 U	10 U	10 U	10 U
4-Methylphenol	µg/L	10 U	10 U	10 U	66	10 U
4-Nitroaniline	µg/L	50 U	50 U	50 U	50 U	50 U
4-Nitrophenol	µg/L	50 U	50 U	50 U	50 U	50 U
Aniline	µg/L	10 U	10 U	10 U	10 U	10 U
Benzidine	µg/L	100 U	100 U	100 U	100 U	100 U

	Event	**Hart Crowser's RI Event 2**				
	Location	B-18	B-19	B-19	B-20	B-21
	SampleID	**B-18**	**B-19**	**B-66 (B-19 DUP)**	**B-20**	**B-21**
	Depth (bgs)	6 - 16 ft	37.5 - 47.5 ft	37.5 - 47.5 ft	6 - 16 ft	38 - 43 ft
	Sample Date	09/10/1992	09/10/1992	09/10/1992	09/10/1992	09/10/1992
Semivolatile Organic Compounds						
Benzoic acid	µg/L	50 U	50 U	50 U	58	50 U
Benzyl alcohol	µg/L	10 U	10 U	10 U	10 U	10 U
bis(2-chloroethoxy)methane	µg/L	10 U	10 U	10 U	10 U	10 U
bis(2-chloroethyl)ether	µg/L	10 U	10 U	10 U	10 U	10 U
bis(2-chloroisopropyl)ether	µg/L	10 U	10 U	10 U	10 U	10 U
Dibenzofuran	µg/L	10 U	10 U	10 U	10 U	10 U
Hexachlorobenzene	µg/L	10 U	10 U	10 U	10 U	10 U
Hexachlorobutadiene	µg/L	10 U	10 U	10 U	10 U	10 U
Hexachlorocyclopentadiene	µg/L	10 U	10 U	10 U	10 U	10 U
Hexachloroethane	µg/L	10 U	10 U	10 U	10 U	10 U
Isophorone	µg/L	10 U	10 U	10 U	10 U	10 U
Nitrobenzene	µg/L	10 U	10 U	10 U	10 U	10 U
N-Nitrosodimethylamine	µg/L	10 U	10 U	10 U	10 U	10 U
N-Nitroso-di-n-propylamine	µg/L	10 U	10 U	10 U	10 U	10 U
N-Nitrosodiphenylamine	µg/L	10 U	10 U	10 U	10 U	10 U
Phenol	µg/L	10 U	10 U	10 U	10 U	10 U
Glycols & Alcohols						
Diethylene glycol	µg/L	5000 U	5000 U	5000 U	5000 U	5000 U
Ethylene glycol	µg/L	5000 U	5000 U	5000 U	5000 U	5000 U
Propylene glycol	µg/L	5000 U	5000 U	5000 U	7100	5000 U
Ethanol	µg/L	2000 U	2000 U	2000 U	2000 U	2000 U
Methanol	µg/L	2000 U	2000 U	2000 U	11000	8200
1-Propanol	µg/L	2000 U	2000 U	2000 U	2000 U	2000 U
iso-Propanol	µg/L	2000 U	2000 U	2000 U	2000 U	2000 U
Dissolved Metals						
Aluminum	mg/L			0.05 U		0.05
Arsenic	mg/L			0.005 U		0.005 U
Barium	mg/L			0.01 U		0.02
Cadmium	mg/L			0.0003		0.0002 U
Chromium	mg/L			0.005 U		0.005 U
Copper	mg/L			0.005 U		0.005 U
Lead	mg/L			0.003 U		0.003 U
Mercury	mg/L			0.0002 U		0.0002 U
Nickel	mg/L			0.01 U		0.01 U
Zinc	mg/L			0.01		0.01 U

	Event	Hart Crowser's RI Event 2				
	Location	B-22	B-23	B-23	B-24	B-25
	SampleID	**B-22**	**B-23**	**B-67 (B-23 DUP)**	**B-24**	**B-25**
	Depth (bgs)	7 - 13 ft	20.5 - 30.5 ft	20.5 - 30.5 ft	6 - 16 ft	27 - 37 ft
	Sample Date	09/11/1992	09/11/1992	09/11/1992	09/03/1992	09/03/1992
Volatile Organic Compounds						
Tetrachloroethene	µg/L	1700	10		1	7
Trichloroethene	µg/L	220	4		5	1 U
1,2-Dichloroethene (total)	µg/L	110	15		1 U	1 U
1,1-Dichloroethene	µg/L	1 U	1 U		1 U	1 U
Vinyl chloride	µg/L	17	8.8		1 U	0.2 U
1,1,1-Trichloroethane	µg/L	2	1 U		1 U	1 U
1,1,2,2-Tetrachloroethane	µg/L	1 U	1 U		1 U	1 U
1,1,2-Trichloroethane	µg/L	1 U	1 U		1 U	1 U
1,1-Dichloroethane	µg/L	1 U	1 U		1 U	1 U
Chloroethane	µg/L	1 U	1 U		1 U	1 U
1,2,4-Trichlorobenzene	µg/L	10 U	10 U		10 U	10 U
1,2-Dichlorobenzene	µg/L	10 U	10 U		10 U	10 U
1,2-Dichloroethane	µg/L	1	1 U		1 U	1 U
1,2-Dichloropropane	µg/L	1 U	1 U		1 U	1 U
1,3-Dichlorobenzene	µg/L	10 U	10 U		10 U	10 U
1,4-Dichlorobenzene	µg/L	10 U	10 U		10 U	10 U
2-Hexanone	µg/L	10 U	10 U		10 U	10 U
Acetone	µg/L	10 U	10 U		10 U	10 U
Bromodichloromethane	µg/L	1 U	1 U		1 U	1 U
Bromoform	µg/L	5 U	5 U		5 U	5 U
Bromomethane	µg/L	10 U	10 U		10 U	10 U
Carbon disulfide	µg/L	1 U	1 U		1 U	1 U
Carbon tetrachloride	µg/L	1 U	1 U		1 U	1 U
Chlorobenzene	µg/L	1 U	1 U		1 U	1 U
Chloroform	µg/L	2	1 U		1 U	1 U
Chloromethane	µg/L	10 U	10 U		10 U	10 U
cis-1,3-Dichloropropene	µg/L	1 U	1 U		1 U	1 U
Dibromochloromethane	µg/L	1 U	1 U		1 U	1 U
Dichloromethane	µg/L	5 U	5 U		5 U	5 U
Methyl ethyl ketone	µg/L	10 U	10 U		12 U	10 U
Methyl iso butyl ketone	µg/L	10 U	10 U		10 U	10 U
trans-1,3-Dichloropropene	µg/L	1 U	1 U		1 U	1 U
Vinyl acetate	µg/L	10 U	10 U		10 U	10 U
Total Petroleum Hydrocarbons						
Diesel #2	µg/L	1000 U	1000 U	1000 U	1000 U	1000 U
Gasoline Range Hydrocarbons	µg/L	1000	1000 U	1000 U	1000 U	1000 U
Motor Oil	µg/L	20000 U	20000 U	20000 U	20000 U	20000 U
Thinner	µg/L	5000 U	5000 U	5000 U	5000 U	5000 U
BTEX						
Benzene	µg/L	1 U	1 U		1 U	1 U
Toluene	µg/L	1 U	1 U		1 U	1 U
Ethylbenzene	µg/L	1 U	1 U		1 U	1 U
Xylene (total)	µg/L	1 U	1 U		1 U	1 U
Alkylated Benzenes						
Styrene	µg/L	1 U	1 U		1 U	1 U
Semivolatile Organic Compounds						
Benzo(a)anthracene	µg/L	10 U	10 U		10 U	10 U
Benzo(a)pyrene	µg/L	10 U	10 U		10 U	10 U

	Event	Hart Crowser's RI Event 2				
	Location	B-22	B-23	B-23	B-24	B-25
	SampleID	**B-22**	**B-23**	**B-67 (B-23 DUP)**	**B-24**	**B-25**
	Depth (bgs)	7 - 13 ft	20.5 - 30.5 ft	20.5 - 30.5 ft	6 - 16 ft	27 - 37 ft
	Sample Date	09/11/1992	09/11/1992	09/11/1992	09/03/1992	09/03/1992
Semivolatile Organic Compounds						
Benzo(g,h,i)perylene	µg/L	10 U	10 U		10 U	10 U
Benzo(b)fluoranthene	µg/L	10 U	10 U		10 U	10 U
Benzo(k)fluoranthene	µg/L	10 U	10 U		10 U	10 U
Chrysene	µg/L	10 U	10 U		10 U	10 U
Dibenzo(a,h)anthracene	µg/L	10 U	10 U		10 U	10 U
Fluoranthene	µg/L	10 U	10 U		10 U	10 U
Indeno(1,2,3-cd)pyrene	µg/L	10 U	10 U		10 U	10 U
Pyrene	µg/L	10 U	10 U		10 U	10 U
1-Methylnaphthalene	µg/L	10 U	10 U		10 U	10 U
Acenaphthene	µg/L	10 U	10 U		10 U	10 U
Acenaphthylene	µg/L	10 U	10 U		10 U	10 U
Anthracene	µg/L	10 U	10 U		10 U	10 U
Fluorene	µg/L	10 U	10 U		10 U	10 U
Naphthalene	µg/L	10 U	10 U		10 U	10 U
Phenanthrene	µg/L	10 U	10 U		10 U	10 U
bis(2-ethylhexyl)phthalate	µg/L	10 U	10 U		10 U	10 U
Di-n-butyl phthalate	µg/L	10 U	10 U		10 U	10 U
Butyl benzyl phthalate	µg/L	10 U	10 U		10 U	10 U
Diethylphthalate	µg/L	10 U	10 U		10 U	10 U
Dimethyl phthalate	µg/L	10 U	10 U		10 U	10 U
Di-n-octyl phthalate	µg/L	10 U	10 U		10 U	10 U
Pentachlorophenol	µg/L	0.06	50 U		50 U	50 U
Tetrachlorophenols (total)	µg/L	0.2 U	0.2 U		0.2 U	0.2 U
2,4-Dichlorophenol	µg/L	10 U	1 U		1 U	10 U
2,4,5-Trichlorophenol	µg/L	50 U	0.4 U		50 U	4 U
2,4,6-Trichlorophenol	µg/L	10 U	0.2 U		0.2 U	2 U
2-Chlorophenol	µg/L	10 U			10 U	
2,4-Dimethylphenol	µg/L	10 U			10 U	
2,4-Dinitrophenol	µg/L	50 U			50 U	
2,4-Dinitrotoluene	µg/L	10 U	10 U		10 U	10 U
2,6-Dinitrotoluene	µg/L	10 U	10 U		10 U	10 U
2-Chloronaphthalene	µg/L	10 U	10 U		10 U	10 U
2-Methylphenol	µg/L	10 U			10 U	
2-Nitroaniline	µg/L	50 U	50 U		50 U	50 U
2-Nitrophenol	µg/L	10 U			10 U	
3,3'-Dichlorobenzidine	µg/L	20 U	20 U		20 U	20 U
2-Methylnaphthalene	µg/L	10 U	10 U		10 U	10 U
3-Nitroaniline	µg/L	50 U	50 U		50 U	50 U
4,6-Dinitro-o-cresol	µg/L	50 U			50 U	
4-Bromophenyl phenyl ether	µg/L	10 U	10 U		10 U	10 U
4-Chloro-3-methylphenol	µg/L	10 U			10 U	
4-Chloroaniline	µg/L	10 U	10 U		10 U	10 U
4-Chlorophenyl phenyl ether	µg/L	10 U	10 U		10 U	10 U
4-Methylphenol	µg/L	10 U			10 U	
4-Nitroaniline	µg/L	50 U	50 U		50 U	50 U
4-Nitrophenol	µg/L	50 U			50 U	
Aniline	µg/L	10 U	10 U		10 U	10 U
Benzidine	µg/L	100 U	100 U		100 U	100 U

	Event	**Hart Crowser's RI Event 2**				
	Location	B-22	B-23	B-23	B-24	B-25
	SampleID	**B-22**	**B-23**	**B-67 (B-23 DUP)**	**B-24**	**B-25**
	Depth (bgs)	7 - 13 ft	20.5 - 30.5 ft	20.5 - 30.5 ft	6 - 16 ft	27 - 37 ft
	Sample Date	09/11/1992	09/11/1992	09/11/1992	09/03/1992	09/03/1992
Semivolatile Organic Compounds						
Benzoic acid	µg/L	50 U			50 U	
Benzyl alcohol	µg/L	10 U	10 U		10 U	10 U
bis(2-chloroethoxy)methane	µg/L	10 U	10 U		10 U	10 U
bis(2-chloroethyl)ether	µg/L	10 U	10 U		10 U	10 U
bis(2-chloroisopropyl)ether	µg/L	10 U	10 U		10 U	10 U
Dibenzofuran	µg/L	10 U	10 U		10 U	10 U
Hexachlorobenzene	µg/L	10 U	10 U		10 U	10 U
Hexachlorobutadiene	µg/L	10 U	10 U		10 U	10 U
Hexachlorocyclopentadiene	µg/L	10 U	10 U		10 U	10 U
Hexachloroethane	µg/L	10 U	10 U		10 U	10 U
Isophorone	µg/L	10 U	10 U		10 U	10 U
Nitrobenzene	µg/L	10 U	10 U		10 U	10 U
N-Nitrosodimethylamine	µg/L	10 U	10 U		10 U	10 U
N-Nitroso-di-n-propylamine	µg/L	10 U	10 U		10 U	10 U
N-Nitrosodiphenylamine	µg/L	10 U	10 U		10 U	10 U
Phenol	µg/L	10 U			10 U	
Glycols & Alcohols						
Diethylene glycol	µg/L	5000 U	5000 U	5000 U	5000 U	5000 U
Ethylene glycol	µg/L	5000 U	5000 U	5000 U	5000 U	5000 U
Propylene glycol	µg/L	5000 U	5000 U	5000 U	5000 U	5000 U
Ethanol	µg/L	2000 U	2000 U	2000 U	2000 U	2000 U
Methanol	µg/L	2000 U	2000 U	2000 U	2000 U	2000 U
1-Propanol	µg/L	2000 U	2000 U	2000 U	2000 U	2000 U
iso-Propanol	µg/L	2000 U	2000 U	2000 U	2000 U	2000 U
Dissolved Metals						
Aluminum	mg/L	0.05 U	0.05 U			
Arsenic	mg/L	0.005 U	0.005 U			
Barium	mg/L	0.01 U	0.01 U			
Cadmium	mg/L	0.0002 U	0.0003			
Chromium	mg/L	0.005 U	0.005 U			
Copper	mg/L	0.0072	0.005 U			
Lead	mg/L	0.003 U	0.003 U			
Mercury	mg/L	0.0002 U	0.0002 U			
Nickel	mg/L	0.01 U	0.01 U			
Zinc	mg/L	0.01 U	0.01			

	Event	Hart Crowser's RI Event 2				
	Location	B-26	B-27	B-27	B-28	B-30
	SampleID	**B-26**	**B-27**	**B-65 (B-27 DUP)**	**B-28**	**B-30**
	Depth (bgs)	8.5 - 13.25 ft	42.5 - 47.5 ft	42.5 - 47.5 ft	9 - 14 ft	8 - 15 ft
	Sample Date	09/03/1992	09/03/1992	09/03/1992	09/03/1992	09/17/1992
Volatile Organic Compounds						
Tetrachloroethene	µg/L	44	1	1	35	110000
Trichloroethene	µg/L	32	1 U	1 U	3	47000
1,2-Dichloroethene (total)	µg/L	28	1	1	4	110000
1,1-Dichloroethene	µg/L	1 U	1 U	1 U	1 U	210
Vinyl chloride	µg/L	1 U	4.5 J	4.6 J	1 U	260
1,1,1-Trichloroethane	µg/L	1 U	1 U	1 U	4	11000
1,1,2,2-Tetrachloroethane	µg/L	1 U	1 U	1 U	1 U	100 U
1,1,2-Trichloroethane	µg/L	1 U	1 U	1 U	1 U	100 U
1,1-Dichloroethane	µg/L	1	1 U	1 U	1 U	1900
Chloroethane	µg/L	1 U	1 U	1 U	1 U	100 U
1,2,4-Trichlorobenzene	µg/L	10 U	25 U	10 U	10 U	250 U
1,2-Dichlorobenzene	µg/L	10 U	25 U	10 U	10 U	250 U
1,2-Dichloroethane	µg/L	1 U	1 U	1 U	1 U	100 U
1,2-Dichloropropane	µg/L	1 U	1 U	1 U	1 U	100 U
1,3-Dichlorobenzene	µg/L	10 U	25 U	10 U	10 U	250 U
1,4-Dichlorobenzene	µg/L	10 U	25 U	10 U	10 U	250 U
2-Hexanone	µg/L	10 U	10 U	10 U	10 U	1000 U
Acetone	µg/L	10 U	10 U	10 U	10 U	30000
Bromodichloromethane	µg/L	1 U	1 U	1 U	1 U	100 U
Bromoform	µg/L	5 U	5 U	5 U	5 U	500 U
Bromomethane	µg/L	10 U	10 U	10 U	10 U	1000 U
Carbon disulfide	µg/L	1 U	1 U	1 U	1 U	100 U
Carbon tetrachloride	µg/L	1 U	1 U	1 U	1 U	100 U
Chlorobenzene	µg/L	1 U	1 U	1 U	1 U	100 U
Chloroform	µg/L	1 U	1 U	1 U	1 U	100 U
Chloromethane	µg/L	10 U	10 U	10 U	10 U	1000 U
cis-1,3-Dichloropropene	µg/L	1 U	1 U	1 U	1 U	100 U
Dibromochloromethane	µg/L	1 U	1 U	1 U	1 U	100 U
Dichloromethane	µg/L	5 U	5 U	5 U	5 U	23000
Methyl ethyl ketone	µg/L	10 U	10 U	10 U	10 U	8000 U
Methyl iso butyl ketone	µg/L	10 U	10 U	10 U	10 U	12000
trans-1,3-Dichloropropene	µg/L	1 U	1 U	1 U	1 U	100 U
Vinyl acetate	µg/L	10 U	10 U	10 U	10 U	1000 U
Total Petroleum Hydrocarbons						
Diesel #2	µg/L	1000 U	1000 U	1000 U	1000 U	5000 J
Gasoline Range Hydrocarbons	µg/L	1000 U	1000 U	1000 U	1000 U	69000
Motor Oil	µg/L	20000 U	20000 U	20000 U	20000 U	20000 U
Thinner	µg/L	5000 U	5000 U	5000 U	5000 U	5000 U
BTEX						
Benzene	µg/L	1 U	1 U	1 U	1 U	1500
Toluene	µg/L	1 U	1 U	1 U	1 U	42000
Ethylbenzene	µg/L	1 U	1 U	1 U	1 U	1100
Xylene (total)	µg/L	1 U	1 U	1 U	1 U	4300
Alkylated Benzenes						
Styrene	µg/L	1 U	1 U	1 U	1 U	460
Semivolatile Organic Compounds						
Benzo(a)anthracene	µg/L	10 U	25 U	10 U	10 U	250 U
Benzo(a)pyrene	µg/L	10 U	25 U	10 U	10 U	250 U

	Event	Hart Crowser's RI Event 2				
	Location	B-26	B-27	B-27	B-28	B-30
	SampleID	**B-26**	**B-27**	**B-65 (B-27 DUP)**	**B-28**	**B-30**
	Depth (bgs)	8.5 - 13.25 ft	42.5 - 47.5 ft	42.5 - 47.5 ft	9 - 14 ft	8 - 15 ft
	Sample Date	09/03/1992	09/03/1992	09/03/1992	09/03/1992	09/17/1992
Semivolatile Organic Compounds						
Benzo(g,h,i)perylene	µg/L	10 U	25 U	10 U	10 U	250 U
Benzo(b)fluoranthene	µg/L	10 U	25 U	10 U	10 U	250 U
Benzo(k)fluoranthene	µg/L	10 U	25 U	10 U	10 U	250 U
Chrysene	µg/L	10 U	25 U	10 U	10 U	250 U
Dibenzo(a,h)anthracene	µg/L	10 U	25 U	10 U	10 U	250 U
Fluoranthene	µg/L	10 U	25 U	10 U	10 U	250 U
Indeno(1,2,3-cd)pyrene	µg/L	10 U	25 U	10 U	10 U	250 U
Pyrene	µg/L	10 U	25 U	10 U	10 U	250 U
1-Methylnaphthalene	µg/L	10 U	25 U	10 U	10 U	250 U
Acenaphthene	µg/L	10 U	25 U	10 U	10 U	250 U
Acenaphthylene	µg/L	10 U	25 U	10 U	10 U	250 U
Anthracene	µg/L	10 U	25 U	10 U	10 U	250 U
Fluorene	µg/L	10 U	25 U	10 U	10 U	250 U
Naphthalene	µg/L	10 U	25 U	10 U	10 U	250 U
Phenanthrene	µg/L	10 U	25 U	10 U	10 U	250 U
bis(2-ethylhexyl)phthalate	µg/L	10 U	25 U	10 U	10 U	250 U
Di-n-butyl phthalate	µg/L	10 U	25 U	10 U	10 U	880
Butyl benzyl phthalate	µg/L	10 U	400	220	10 U	250 U
Diethylphthalate	µg/L	10 U	25 U	10 U	10 U	250 U
Dimethyl phthalate	µg/L	10 U	25 U	10 U	10 U	250 U
Di-n-octyl phthalate	µg/L	10 U	25 U	10 U	10 U	250 U
Pentachlorophenol	µg/L	0.05 U	130 U	0.38	0.05 U	810
Tetrachlorophenols (total)	µg/L	0.2 U	0.2 U	1 U	0.2 U	2000 U
2,4-Dichlorophenol	µg/L	1 U	1 U	5 U	10 U	250 U
2,4,5-Trichlorophenol	µg/L	50 U	130 U	50 U	50 U	4000 U
2,4,6-Trichlorophenol	µg/L	0.2 U	0.2 U	1 U	10 U	250 U
2-Chlorophenol	µg/L	10 U	25 U	10 U	10 U	250 U
2,4-Dimethylphenol	µg/L	10 U	25 U	10 U	10 U	250 U
2,4-Dinitrophenol	µg/L	50 U	130 U	50 U	50 U	1300 U
2,4-Dinitrotoluene	µg/L	10 U	25 U	10 U	10 U	250 U
2,6-Dinitrotoluene	µg/L	10 U	25 U	10 U	10 U	250 U
2-Chloronaphthalene	µg/L	10 U	25 U	10 U	10 U	250 U
2-Methylphenol	µg/L	10 U	25 U	10 U	10 U	250 U
2-Nitroaniline	µg/L	50 U	130 U	50 U	50 U	1300 U
2-Nitrophenol	µg/L	10 U	25 U	10 U	10 U	250 U
3,3'-Dichlorobenzidine	µg/L	20 U	50 U	20 U	20 U	500 U
2-Methylnaphthalene	µg/L	10 U	25 U	10 U	10 U	250 U
3-Nitroaniline	µg/L	50 U	130 U	50 U	50 U	1300 U
4,6-Dinitro-o-cresol	µg/L	50 U	130 U	50 U	50 U	1300 U
4-Bromophenyl phenyl ether	µg/L	10 U	25 U	10 U	10 U	250 U
4-Chloro-3-methylphenol	µg/L	10 U	25 U	10 U	10 U	250 U
4-Chloroaniline	µg/L	10 U	25 U	10 U	10 U	250 U
4-Chlorophenyl phenyl ether	µg/L	10 U	25 U	10 U	10 U	250 U
4-Methylphenol	µg/L	10 U	25 U	10 U	10 U	250 U
4-Nitroaniline	µg/L	50 U	130 U	50 U	50 U	1300 U
4-Nitrophenol	µg/L	50 U	130 U	50 U	50 U	1300 U
Aniline	µg/L	10 U	25 U	10 U	10 U	250 U
Benzidine	µg/L	100 U	250 U	100 U	100 U	2500 U

	Event	**Hart Crowser's RI Event 2**				
	Location	B-26	B-27	B-27	B-28	B-30
	SampleID	**B-26**	**B-27**	**B-65 (B-27 DUP)**	**B-28**	**B-30**
	Depth (bgs)	8.5 - 13.25 ft	42.5 - 47.5 ft	42.5 - 47.5 ft	9 - 14 ft	8 - 15 ft
	Sample Date	09/03/1992	09/03/1992	09/03/1992	09/03/1992	09/17/1992
Semivolatile Organic Compounds						
Benzoic acid	µg/L	50 U	130 U	50 U	50 U	1300 U
Benzyl alcohol	µg/L	10 U	25 U	10 U	10 U	250 U
bis(2-chloroethoxy)methane	µg/L	10 U	25 U	10 U	10 U	250 U
bis(2-chloroethyl)ether	µg/L	10 U	25 U	10 U	10 U	250 U
bis(2-chloroisopropyl)ether	µg/L	10 U	25 U	10 U	10 U	250 U
Dibenzofuran	µg/L	10 U	25 U	10 U	10 U	250 U
Hexachlorobenzene	µg/L	10 U	25 U	10 U	10 U	250 U
Hexachlorobutadiene	µg/L	10 U	25 U	10 U	10 U	250 U
Hexachlorocyclopentadiene	µg/L	10 U	25 U	10 U	10 U	250 U
Hexachloroethane	µg/L	10 U	25 U	10 U	10 U	250 U
Isophorone	µg/L	10 U	25 U	10 U	10 U	250 U
Nitrobenzene	µg/L	10 U	25 U	10 U	10 U	250 U
N-Nitrosodimethylamine	µg/L	10 U	25 U	10 U	10 U	250 U
N-Nitroso-di-n-propylamine	µg/L	10 U	25 U	10 U	10 U	250 U
N-Nitrosodiphenylamine	µg/L	10 U	25 U	10 U	10 U	250 U
Phenol	µg/L	10 U	25 U	10 U	10 U	250 U
Glycols & Alcohols						
Diethylene glycol	µg/L	5000 U	5000 U	5000 U	5000 U	5000 U
Ethylene glycol	µg/L	5000 U	5000 U	5000 U	5000 U	5000 U
Propylene glycol	µg/L	5000 U	5000 U	5000 U	5000 U	5000 U
Ethanol	µg/L	2000 U	2000 U	2000 U	2000 U	4300
Methanol	µg/L	2000 U	2000 U	2000 U	2000 U	72000
1-Propanol	µg/L	2000 U	2000 U	2000 U	2000 U	6200
iso-Propanol	µg/L	2000 U	2000 U	2000 U	2000 U	23000

	Event	Hart Crowser's RI Event 2				
	Location	B-31	B-33A	B-33A	B-34	B-35
	SampleID	**B-31**	**B-33A**	**B-70 (B-33A DUP)**	**B-34**	**B-35**
	Depth (bgs)	6.5 - 11.5 ft	28 - 38 ft	28 - 38 ft	7.5 - 12.5 ft	19.5 - 29.5 ft
	Sample Date	09/15/1992	09/21/1992	09/21/1992	09/21/1992	09/14/1992
Volatile Organic Compounds						
Tetrachloroethene	µg/L	130000	32	20 U	2	20 U
Trichloroethene	µg/L	60000	180	170	1 U	72
1,2-Dichloroethene (total)	µg/L	28000	21000	22000	210	3500
1,1-Dichloroethene	µg/L	290	90	83	1 U	20 U
Vinyl chloride	µg/L	300	2000 J	2200	270	23000
1,1,1-Trichloroethane	µg/L	18000	20 U	20 U	1 U	23
1,1,2,2-Tetrachloroethane	µg/L	50 U	20 U	20 U	1 U	20 U
1,1,2-Trichloroethane	µg/L	50 U	20 U	20 U	1 U	20 U
1,1-Dichloroethane	µg/L	1500	73	67	8	450
Chloroethane	µg/L	50 U	20 U	20 U	4	20 U
1,2,4-Trichlorobenzene	µg/L	200 U	10 U	10 U	10 U	
1,2-Dichlorobenzene	µg/L	200 U	10 U	10 U	10 U	
1,2-Dichloroethane	µg/L	76	20 U	20 U	1 U	20 U
1,2-Dichloropropane	µg/L	50 U	20 U	20 U	1 U	20 U
1,3-Dichlorobenzene	µg/L	200 U	10 U	10 U	10 U	
1,4-Dichlorobenzene	µg/L	200 U	10 U	10 U	10 U	
2-Hexanone	µg/L	500 U	200 U	200 U	10 U	200 U
Acetone	µg/L	6400	200 U	200 U	10 U	660
Bromodichloromethane	µg/L	50 U	20 U	20 U	1 U	20 U
Bromoform	µg/L	250 U	100 U	100 U	5 U	100 U
Bromomethane	µg/L	500 U	200 U	200 U	10 U	200 U
Carbon disulfide	µg/L	50 U	20 U	20 U	1 U	20 U
Carbon tetrachloride	µg/L	50 U	20 U	20 U	1 U	20 U
Chlorobenzene	µg/L	50 U	20 U	20 U	1 U	20 U
Chloroform	µg/L	76	20 U	20 U	1 U	20 U
Chloromethane	µg/L	500 U	200 U	200 U	10 U	200 U
cis-1,3-Dichloropropene	µg/L	50 U	20 U	20 U	1 U	20 U
Dibromochloromethane	µg/L	50 U	20 U	20 U	1 U	20 U
Dichloromethane	µg/L	15000	100 U	100 U	5 U	100 U
Methyl ethyl ketone	µg/L	3100 U	200 U	200 U	10 U	270 U
Methyl iso butyl ketone	µg/L	6300	200 U	200 U	10 U	220
trans-1,3-Dichloropropene	µg/L	50 U	20 U	20 U	1 U	20 U
Vinyl acetate	µg/L	500 U	200 U	200 U	10 U	200 U
Total Petroleum Hydrocarbons						
Diesel #2	µg/L	1000 U	1000 U	1000 U	1000 U	2000 JN
Gasoline Range Hydrocarbons	µg/L	1000 U	1000 U	1000 U	1000 U	1000 U
Motor Oil	µg/L	20000 U	20000 U	20000 U	20000 U	20000 U
Thinner	µg/L	5000 U	5000 U	5000 U	5000 U	5000 U
BTEX						
Benzene	µg/L	680	46	42	8	48
Toluene	µg/L	46000	20 U	20 U	1 U	4300
Ethylbenzene	µg/L	530	20 U	20 U	1 U	78
Xylene (total)	µg/L	2400	20 U	20 U	1 U	100
Alkylated Benzenes						
Styrene	µg/L	610	20 U	20 U	1 U	20 U
Semivolatile Organic Compounds						
Benzo(a)anthracene	µg/L	200 U	10 U	10 U	10 U	
Benzo(a)pyrene	µg/L	200 U	10 U	10 U	10 U	

	Event	Hart Crowser's RI Event 2				
	Location	B-31	B-33A	B-33A	B-34	B-35
	SampleID	**B-31**	**B-33A**	**B-70 (B-33A DUP)**	**B-34**	**B-35**
	Depth (bgs)	6.5 - 11.5 ft	28 - 38 ft	28 - 38 ft	7.5 - 12.5 ft	19.5 - 29.5 ft
	Sample Date	09/15/1992	09/21/1992	09/21/1992	09/21/1992	09/14/1992
Semivolatile Organic Compounds						
Benzo(g,h,i)perylene	µg/L	200 U	10 U	10 U	10 U	
Benzo(b)fluoranthene	µg/L	200 U	10 U	10 U	10 U	
Benzo(k)fluoranthene	µg/L	200 U	10 U	10 U	10 U	
Chrysene	µg/L	200 U	10 U	10 U	10 U	
Dibenzo(a,h)anthracene	µg/L	200 U	10 U	10 U	10 U	
Fluoranthene	µg/L	200 U	10 U	10 U	10 U	
Indeno(1,2,3-cd)pyrene	µg/L	200 U	10 U	10 U	10 U	
Pyrene	µg/L	200 U	10 U	10 U	10 U	
1-Methylnaphthalene	µg/L	200 U	10 U	10 U	10 U	10 U
Acenaphthene	µg/L	200 U	10 U	10 U	10 U	
Acenaphthylene	µg/L	200 U	10 U	10 U	10 U	
Anthracene	µg/L	200 U	10 U	10 U	10 U	
Fluorene	µg/L	200 U	10 U	10 U	10 U	
Naphthalene	µg/L	200 U	10 U	10 U	10 U	
Phenanthrene	µg/L	200 U	10 U	10 U	10 U	
bis(2-ethylhexyl)phthalate	µg/L	200 U	130	130	10 U	16 J
Di-n-butyl phthalate	µg/L	200 U	10 U	10 U	10 U	
Butyl benzyl phthalate	µg/L	200 U	10 U	10 U	10 U	
Diethylphthalate	µg/L	200 U	10 U	10 U	10 U	
Dimethyl phthalate	µg/L	200 U	10 U	10 U	10 U	
Di-n-octyl phthalate	µg/L	200 U	10 U	10 U	10 U	
Pentachlorophenol	µg/L	3400	0.06	0.05 U	50 U	0.32
Tetrachlorophenols (total)	µg/L	10000 U	0.2 U	0.2 U	0.2 U	1 U
2,4-Dichlorophenol	µg/L	200 U	1 U	1 U	1 U	10 U
2,4,5-Trichlorophenol	µg/L	1000 U	0.4 U	0.4 U	0.4 U	50 U
2,4,6-Trichlorophenol	µg/L	10000 U	0.2 U	0.2 U	0.2 U	1 U
2-Chlorophenol	µg/L	200 U			10 U	10 U
2,4-Dimethylphenol	µg/L	200 U			10 U	10 U
2,4-Dinitrophenol	µg/L	1000 U			50 U	50 U
2,4-Dinitrotoluene	µg/L	200 U	10 U	10 U	10 U	
2,6-Dinitrotoluene	µg/L	200 U	10 U	10 U	10 U	
2-Chloronaphthalene	µg/L	200 U	10 U	10 U	10 U	
2-Methylphenol	µg/L	200 U			10 U	10 U
2-Nitroaniline	µg/L	1000 U	50 U	50 U	50 U	
2-Nitrophenol	µg/L	200 U			10 U	10 U
3,3'-Dichlorobenzidine	µg/L	400 U	20 U	20 U	20 U	
2-Methylnaphthalene	µg/L	200 U	10 U	10 U	10 U	
3-Nitroaniline	µg/L	1000 U	50 U	50 U	50 U	
4,6-Dinitro-o-cresol	µg/L	1000 U			50 U	50 U
4-Bromophenyl phenyl ether	µg/L	200 U	10 U	10 U	10 U	
4-Chloro-3-methylphenol	µg/L	200 U			10 U	10 U
4-Chloroaniline	µg/L	200 U	10 U	10 U	10 U	
4-Chlorophenyl phenyl ether	µg/L	200 U	10 U	10 U	10 U	
4-Methylphenol	µg/L	200 U			10 U	13
4-Nitroaniline	µg/L	1000 U	50 U	50 U	50 U	
4-Nitrophenol	µg/L	1000 U			50 U	50 U
Aniline	µg/L	200 U	10 U	10 U	10 U	
Benzidine	µg/L	2000 U	100 U	100 U	100 U	

	Event	**Hart Crowser's RI Event 2**				
	Location	B-31	B-33A	B-33A	B-34	B-35
	SampleID	**B-31**	**B-33A**	**B-70 (B-33A DUP)**	**B-34**	**B-35**
	Depth (bgs)	6.5 - 11.5 ft	28 - 38 ft	28 - 38 ft	7.5 - 12.5 ft	19.5 - 29.5 ft
	Sample Date	09/15/1992	09/21/1992	09/21/1992	09/21/1992	09/14/1992
Semivolatile Organic Compounds						
Benzoic acid	µg/L	1000 U			50 U	15
Benzyl alcohol	µg/L	200 U	10 U	10 U	10 U	
bis(2-chloroethoxy)methane	µg/L	200 U	10 U	10 U	10 U	
bis(2-chloroethyl)ether	µg/L	200 U	10 U	10 U	10 U	
bis(2-chloroisopropyl)ether	µg/L	200 U	10 U	10 U	10 U	
Dibenzofuran	µg/L	200 U	10 U	10 U	10 U	
Hexachlorobenzene	µg/L	200 U	10 U	10 U	10 U	
Hexachlorobutadiene	µg/L	200 U	10 U	10 U	10 U	
Hexachlorocyclopentadiene	µg/L	200 U	10 U	10 U	10 U	
Hexachloroethane	µg/L	200 U	10 U	10 U	10 U	
Isophorone	µg/L	200 U	10 U	10 U	10 U	
Nitrobenzene	µg/L	200 U	10 U	10 U	10 U	
N-Nitrosodimethylamine	µg/L	200 U	10 U	10 U	10 U	
N-Nitroso-di-n-propylamine	µg/L	200 U	10 U	10 U	10 U	
N-Nitrosodiphenylamine	µg/L	200 U	10 U	10 U	10 U	
Phenol	µg/L	200 U			10 U	27
Glycols & Alcohols						
Diethylene glycol	µg/L	5000 U	6200	8100	5500 J	5000 U
Ethylene glycol	µg/L	5000 U	5000 U	5000 U		5000 U
Propylene glycol	µg/L	5000 U	5000 U	5000 U		5000 U
Ethanol	µg/L	2100	2000 U	2000 U	2000 U	2000 U
Methanol	µg/L	14000	2000 U	2000 U	2000 U	14000
1-Propanol	µg/L	2600	2000 U	2000 U	2000 U	2000 U
iso-Propanol	µg/L	3200	2000 U	2000 U	2000 U	2000 U
Dissolved Metals						
Aluminum	mg/L		0.05 U	0.05 U		
Arsenic	mg/L		0.005 U	0.005 U		
Barium	mg/L		0.05	0.05		
Cadmium	mg/L		0.0002 U	0.0002 U		
Chromium	mg/L		0.005 U	0.005 U		
Copper	mg/L		0.005 U	0.005 U		
Lead	mg/L		0.003 U	0.003 U		
Mercury	mg/L		0.0002 U	0.0002 U		
Nickel	mg/L		0.01 U	0.01 U		
Zinc	mg/L		0.02	0.02		

	Event	Hart Crowser's RI Event 2				
	Location	B-36	B-37	B-38		
	SampleID	**B-36**	**B-37**	**B-38**		
	Depth (bgs)	6 - 11 ft	23 - 28 ft	6 - 16 ft		
	Sample Date	09/14/1992	09/14/1992	09/14/1992		
Volatile Organic Compounds						
Tetrachloroethene	µg/L	330	1 U	1 U		
Trichloroethene	µg/L	250	1 U	3		
1,2-Dichloroethene (total)	µg/L	5800	11	32		
1,1-Dichloroethene	µg/L	32	1 U	1 U		
Vinyl chloride	µg/L	7800	9	0.2 U		
1,1,1-Trichloroethane	µg/L	350	1 U	1 U		
1,1,2,2-Tetrachloroethane	µg/L	10 U	1 U	1 U		
1,1,2-Trichloroethane	µg/L	10 U	1 U	1 U		
1,1-Dichloroethane	µg/L	170	1 U	1 U		
Chloroethane	µg/L	10 U	1 U	1 U		
1,2,4-Trichlorobenzene	µg/L	10 U	10 U	200 U		
1,2-Dichlorobenzene	µg/L	10 U	10 U	200 U		
1,2-Dichloroethane	µg/L	10 U	1 U	1 U		
1,2-Dichloropropane	µg/L	10 U	1 U	1 U		
1,3-Dichlorobenzene	µg/L	10 U	10 U	200 U		
1,4-Dichlorobenzene	µg/L	10 U	10 U	200 U		
2-Hexanone	µg/L	100 U	10 U	10 U		
Acetone	µg/L	100 U	10 U	11		
Bromodichloromethane	µg/L	10 U	1 U	1 U		
Bromoform	µg/L	50 U	5 U	5 U		
Bromomethane	µg/L	100 U	10 U	10 U		
Carbon disulfide	µg/L	10 U	1 U	1 U		
Carbon tetrachloride	µg/L	10 U	1 U	1 U		
Chlorobenzene	µg/L	10 U	1 U	1 U		
Chloroform	µg/L	10 U	1 U	1 U		
Chloromethane	µg/L	100 U	10 U	10 U		
cis-1,3-Dichloropropene	µg/L	10 U	1 U	1 U		
Dibromochloromethane	µg/L	10 U	1 U	1 U		
Dichloromethane	µg/L	50 U	5 U	5 U		
Methyl ethyl ketone	µg/L	100 U	10 U	10 U		
Methyl iso butyl ketone	µg/L	100 U	10 U	10 U		
trans-1,3-Dichloropropene	µg/L	10 U	1 U	1 U		
Vinyl acetate	µg/L	100 U	10 U	10 U		
Total Petroleum Hydrocarbons						
Diesel #2	µg/L	4000 JN	1000 U	11000		
Gasoline Range Hydrocarbons	µg/L	1000 U	1000 U	16000 JN		
Motor Oil	µg/L	20000 U	20000 U	20000 U		
Thinner	µg/L	5000 U	5000 U	54000		
BTEX						
Benzene	µg/L	49	1 U	1 U		
Toluene	µg/L	84	1	6		
Ethylbenzene	µg/L	10 U	1 U	16		
Xylene (total)	µg/L	110	1 U	130		
Alkylated Benzenes						
Styrene	µg/L	10 U	1 U	1 U		
Semivolatile Organic Compounds						
Benzo(a)anthracene	µg/L	10 U	10 U	200 U		
Benzo(a)pyrene	µg/L	10 U	10 U	200 U		

	Event	Hart Crowser's RI Event 2				
	Location	B-36	B-37	B-38		
	SampleID	**B-36**	**B-37**	**B-38**		
	Depth (bgs)	6 - 11 ft	23 - 28 ft	6 - 16 ft		
	Sample Date	09/14/1992	09/14/1992	09/14/1992		
Semivolatile Organic Compounds						
Benzo(g,h,i)perylene	µg/L	10 U	10 U	200 U		
Benzo(b)fluoranthene	µg/L	10 U	10 U	200 U		
Benzo(k)fluoranthene	µg/L	10 U	10 U	200 U		
Chrysene	µg/L	10 U	10 U	200 U		
Dibenzo(a,h)anthracene	µg/L	10 U	10 U	200 U		
Fluoranthene	µg/L	10 U	10 U	200 U		
Indeno(1,2,3-cd)pyrene	µg/L	10 U	10 U	200 U		
Pyrene	µg/L	10 U	10 U	200 U		
1-Methylnaphthalene	µg/L	10 U	10 U	200 U		
Acenaphthene	µg/L	10 U	10 U	200 U		
Acenaphthylene	µg/L	10 U	10 U	200 U		
Anthracene	µg/L	10 U	10 U	200 U		
Fluorene	µg/L	10 U	10 U	200 U		
Naphthalene	µg/L	10 U	10 U	200 U		
Phenanthrene	µg/L	10 U	10 U	200 U		
bis(2-ethylhexyl)phthalate	µg/L	10 U	10 U	200 U		
Di-n-butyl phthalate	µg/L	10 U	10 U	200 U		
Butyl benzyl phthalate	µg/L	10 U	10 U	200 U		
Diethylphthalate	µg/L	10 U	10 U	200 U		
Dimethyl phthalate	µg/L	10 U	10 U	200 U		
Di-n-octyl phthalate	µg/L	10 U	10 U	200 U		
Pentachlorophenol	µg/L	50 U	50 U	31000		
Tetrachlorophenols (total)	µg/L	10 U	2 U	40000 U		
2,4-Dichlorophenol	µg/L	10 U	10 U	200 U		
2,4,5-Trichlorophenol	µg/L	20 U	4 U	80000 U		
2,4,6-Trichlorophenol	µg/L	10 U	10 U	200 U		
2-Chlorophenol	µg/L	10 U	10 U	200 U		
2,4-Dimethylphenol	µg/L	10 U	10 U	200 U		
2,4-Dinitrophenol	µg/L	50 U	50 U	1000 U		
2,4-Dinitrotoluene	µg/L	10 U	10 U	200 U		
2,6-Dinitrotoluene	µg/L	10 U	10 U	200 U		
2-Chloronaphthalene	µg/L	10 U	10 U	200 U		
2-Methylphenol	µg/L	10 U	10 U	200 U		
2-Nitroaniline	µg/L	50 U	50 U	1000 U		
2-Nitrophenol	µg/L	10 U	10 U	200 U		
3,3'-Dichlorobenzidine	µg/L	20 U	20 U	400 U		
2-Methylnaphthalene	µg/L	10 U	10 U	200 U		
3-Nitroaniline	µg/L	50 U	50 U	1000 U		
4,6-Dinitro-o-cresol	µg/L	50 U	50 U	1000 U		
4-Bromophenyl phenyl ether	µg/L	10 U	10 U	200 U		
4-Chloro-3-methylphenol	µg/L	10 U	10 U	200 U		
4-Chloroaniline	µg/L	10 U	10 U	200 U		
4-Chlorophenyl phenyl ether	µg/L	10 U	10 U	200 U		
4-Methylphenol	µg/L	10 U	10 U	200 U		
4-Nitroaniline	µg/L	50 U	50 U	1000 U		
4-Nitrophenol	µg/L	50 U	50 U	1000 U		
Aniline	µg/L	10 U	10 U	200 U		
Benzidine	µg/L	100 U	100 U	2000 U		

	Event	**Hart Crowser's RI Event 2**				
	Location	B-36	B-37	B-38		
	SampleID	**B-36**	**B-37**	**B-38**		
	Depth (bgs)	6 - 11 ft	23 - 28 ft	6 - 16 ft		
	Sample Date	09/14/1992	09/14/1992	09/14/1992		
Semivolatile Organic Compounds						
Benzoic acid	µg/L	50 U	50 U	1000 U		
Benzyl alcohol	µg/L	10 U	10 U	200 U		
bis(2-chloroethoxy)methane	µg/L	10 U	10 U	200 U		
bis(2-chloroethyl)ether	µg/L	10 U	10 U	200 U		
bis(2-chloroisopropyl)ether	µg/L	10 U	10 U	200 U		
Dibenzofuran	µg/L	10 U	10 U	200 U		
Hexachlorobenzene	µg/L	10 U	10 U	200 U		
Hexachlorobutadiene	µg/L	10 U	10 U	200 U		
Hexachlorocyclopentadiene	µg/L	10 U	10 U	200 U		
Hexachloroethane	µg/L	10 U	10 U	200 U		
Isophorone	µg/L	10 U	10 U	200 U		
Nitrobenzene	µg/L	10 U	10 U	200 U		
N-Nitrosodimethylamine	µg/L	10 U	10 U	200 U		
N-Nitroso-di-n-propylamine	µg/L	10 U	10 U	200 U		
N-Nitrosodiphenylamine	µg/L	10 U	10 U	200 U		
Phenol	µg/L	10 U	10 U	200 U		
Glycols & Alcohols						
Diethylene glycol	µg/L	5000 U	5000 U	5000 U		
Ethylene glycol	µg/L	5000 U	5000 U	5000 U		
Propylene glycol	µg/L	5000 U	5000 U	5000 U		
Ethanol	µg/L	2000 U	2000 U	2000 U		
Methanol	µg/L	2000 U	2000 U	2000 U		
1-Propanol	µg/L	2000 U	2000 U	2000 U		
iso-Propanol	µg/L	2000 U	2000 U	2000 U		
Dissolved Metals						
Aluminum	mg/L		0.04			
Arsenic	mg/L		0.005 U			
Barium	mg/L		0.01 U			
Cadmium	mg/L		0.0002 U			
Chromium	mg/L		0.005 U			
Copper	mg/L		0.005 U			
Lead	mg/L		0.003 U			
Mercury	mg/L		0.0002 U			
Nickel	mg/L		0.01 U			
Zinc	mg/L		0.01 U			

	Event	Hart Crowser's RI Event 1				
	Location	B-01	B-05	B-05	B-06	B-08
	SampleID	**B-1**	**B-5**	**B-5 DUP**	**B-6**	**B-8**
	Depth (bgs)	6.5 - 16.5 ft	40 - 45 ft	40 - 45 ft	40.5 - 45.5 ft	39.5 - 44.5 ft
	Sample Date	05/06/1992	04/30/1992	04/30/1992	04/29/1992	05/04/1992
Volatile Organic Compounds						
Tetrachloroethene	µg/L	10 U	1 U	1 U	1	4800
Trichloroethene	µg/L	64	11	11	1 U	5000
1,2-Dichloroethene (total)	µg/L	1200	16	16	5	1300
1,1-Dichloroethene	µg/L	10 U	1 U	1 U	1 U	50 U
Vinyl chloride	µg/L	220 J	0.2 U	0.2 U	2.8 J	50 U
1,1,1-Trichloroethane	µg/L	10 U	1 U	1 U	1 U	110
1,1,2,2-Tetrachloroethane	µg/L	10 U	1 U	1 U	1 U	50 U
1,1,2-Trichloroethane	µg/L	10 U	1 U	1 U	1 U	50 U
1,1-Dichloroethane	µg/L	58	1 U	1 U	1 U	50 U
Chloroethane	µg/L	10 U	1 U	1 U	1 U	50 U
1,2,4-Trichlorobenzene	µg/L	10 U	10 U	10 U	10 U	10 U
1,2-Dichlorobenzene	µg/L	10 U	10 U	10 U	10 U	10 U
1,2-Dichloroethane	µg/L	10 U	1 U	1 U	1 U	50 U
1,2-Dichloropropane	µg/L	10 U	1 U	1 U	1 U	50 U
1,3-Dichlorobenzene	µg/L	10 U	10 U	10 U	10 U	10 U
1,4-Dichlorobenzene	µg/L	10 U	10 U	10 U	10 U	10 U
2-Hexanone	µg/L	100 U	10 U	10 U	10 U	500 U
Acetone	µg/L	100 U	10 U	10 U	10 U	1200 U
Bromodichloromethane	µg/L	10 U	1 U	1 U	1 U	50 U
Bromoform	µg/L	50 U	5 U	5 U	5 U	250 U
Bromomethane	µg/L	100 U	10 U	10 U	10 U	500 U
Carbon disulfide	µg/L	10 U	1 U	1 U	1 U	50 U
Carbon tetrachloride	µg/L	10 U	1 U	1 U	1 U	50 U
Chlorobenzene	µg/L	10 U	1 U	1 U	1 U	50 U
Chloroform	µg/L	10 U	1 U	1 U	1 U	50 U
Chloromethane	µg/L	100 U	10 U	10 U	10 U	500 U
cis-1,3-Dichloropropene	µg/L	10 U	1 U	1 U	1 U	50 U
Dibromochloromethane	µg/L	10 U	1 U	1 U	1 U	50 U
Dichloromethane	µg/L	50 U	5 U	5 U	5 U	250 U
Methyl ethyl ketone	µg/L	100 U	10 U	10 U	10 U	500 U
Methyl iso butyl ketone	µg/L	100 U	10 U	10 U	10 U	500 U
trans-1,3-Dichloropropene	µg/L	10 U	1 U	1 U	1 U	50 U
Vinyl acetate	µg/L	100 U	10 U	10 U	10 U	500 U
Total Petroleum Hydrocarbons						
Diesel #2	µg/L	1000 U	1000 U	1000 U	1000 U	1000 U
Gasoline	µg/L	1000 U				
Gasoline Range Hydrocarbons	µg/L		1000 U	1000 U	1000 U	3000
BTEX						
Benzene	µg/L	10 U	21	21	3	50 U
Toluene	µg/L	10 U	1	1	24	74
Ethylbenzene	µg/L	10 U	1 U	1 U	18	50 U
Xylene (total)	µg/L	10 U	4	4	100	50 U
Alkylated Benzenes						
Styrene	µg/L	10 U	1 U	1 U	1 U	50 U
Semivolatile Organic Compounds						
Benzo(a)anthracene	µg/L	10 U	10 U	10 U	10 U	10 U
Benzo(a)pyrene	µg/L	10 U	10 U	10 U	10 U	10 U
Benzo(g,h,i)perylene	µg/L	10 U	10 U	10 U	10 U	10 U

	Event	Hart Crowser's RI Event 1				
	Location	B-01	B-05	B-05	B-06	B-08
	SampleID	**B-1**	**B-5**	**B-5 DUP**	**B-6**	**B-8**
	Depth (bgs)	6.5 - 16.5 ft	40 - 45 ft	40 - 45 ft	40.5 - 45.5 ft	39.5 - 44.5 ft
	Sample Date	05/06/1992	04/30/1992	04/30/1992	04/29/1992	05/04/1992
Semivolatile Organic Compounds						
Benzo(b)fluoranthene	µg/L	10 U	10 U	10 U	10 U	10 U
Benzo(k)fluoranthene	µg/L	10 U	10 U	10 U	10 U	10 U
Chrysene	µg/L	10 U	10 U	10 U	10 U	10 U
Dibenzo(a,h)anthracene	µg/L	10 U	10 U	10 U	10 U	10 U
Fluoranthene	µg/L	10 U	10 U	10 U	10 U	10 U
Indeno(1,2,3-cd)pyrene	µg/L	10 U	10 U	10 U	10 U	10 U
Pyrene	µg/L	10 U	10 U	10 U	10 U	10 U
1-Methylnaphthalene	µg/L	10 U	10 U	10 U	10 U	10 U
Acenaphthene	µg/L	10 U	10 U	10 U	10 U	10 U
Acenaphthylene	µg/L	10 U	10 U	10 U	10 U	10 U
Anthracene	µg/L	10 U	10 U	10 U	10 U	10 U
Fluorene	µg/L	10 U	10 U	10 U	10 U	10 U
Naphthalene	µg/L	10 U	10 U	10 U	10 U	10 U
Phenanthrene	µg/L	10 U	10 U	10 U	10 U	10 U
bis(2-ethylhexyl)phthalate	µg/L	10 U	20	20	10 U	25
Di-n-butyl phthalate	µg/L	10 U	10 U	10 U	10 U	10 U
Butyl benzyl phthalate	µg/L	10 U	10 U	10 U	10 U	10 U
Diethylphthalate	µg/L	10 U	10 U	10 U	10 U	10 U
Dimethyl phthalate	µg/L	10 U	10 U	10 U	10 U	10 U
Di-n-octyl phthalate	µg/L	10 U	10 U	10 U	10 U	10 U
Pentachlorophenol	µg/L	0.18	0.05 U	50 U	30	27 J
Tetrachlorophenols (total)	µg/L	0.2 U	0.2 U	0.2 U	20 U	2 U
2,4-Dichlorophenol	µg/L	10 U	1 U	10 U	10 U	10 U
2,4,5-Trichlorophenol	µg/L	0.4 U	50 U	0.4 U	40 U	4 U
2,4,6-Trichlorophenol	µg/L	10 U	0.2 U	0.2 U	10 U	2 U
2-Chlorophenol	µg/L	10 U	10 U	10 U	10 U	10 U
2,4-Dimethylphenol	µg/L	10 U	10 U	10 U	10 U	10 U
2,4-Dinitrophenol	µg/L	50 U	50 U	50 U	50 U	50 U
2,4-Dinitrotoluene	µg/L	10 U	10 U	10 U	10 U	10 U
2,6-Dinitrotoluene	µg/L	10 U	10 U	10 U	10 U	10 U
2-Chloronaphthalene	µg/L	10 U	10 U	10 U	10 U	10 U
2-Methylphenol	µg/L	10 U	10 U	10 U	10 U	10 U
2-Nitroaniline	µg/L	50 U	50 U	50 U	50 U	50 U
2-Nitrophenol	µg/L	10 U	10 U	10 U	10 U	10 U
3,3'-Dichlorobenzidine	µg/L	20 U	20 U	20 U	20 U	20 U
2-Methylnaphthalene	µg/L	10 U	10 U	10 U	10 U	10 U
3-Nitroaniline	µg/L	50 U	50 U	50 U	50 U	50 U
4,6-Dinitro-o-cresol	µg/L	50 U	50 U	50 U	50 U	50 U
4-Bromophenyl phenyl ether	µg/L	10 U	10 U	10 U	10 U	10 U
4-Chloro-3-methylphenol	µg/L	10 U	10 U	10 U	10 U	10 U
4-Chloroaniline	µg/L	10 U	10 U	10 U	10 U	10 U
4-Chlorophenyl phenyl ether	µg/L	10 U	10 U	10 U	10 U	10 U
4-Methylphenol	µg/L	10 U	10 U	10 U	10 U	10 U
4-Nitroaniline	µg/L	50 U	50 U	50 U	50 U	50 U
4-Nitrophenol	µg/L	50 U	50 U	50 U	50 U	50 U
Aniline	µg/L	10 U	10 U	10 U	10 U	10 U
Benzidine	µg/L	100 U	100 U	100 U	100 U	100 U
Benzoic acid	µg/L	50 U	50 U	50 U	50 U	50 U

	Event	**Hart Crowser's RI Event 1**				
	Location	B-01	B-05	B-05	B-06	B-08
	SampleID	**B-1**	**B-5**	**B-5 DUP**	**B-6**	**B-8**
	Depth (bgs)	6.5 - 16.5 ft	40 - 45 ft	40 - 45 ft	40.5 - 45.5 ft	39.5 - 44.5 ft
	Sample Date	05/06/1992	04/30/1992	04/30/1992	04/29/1992	05/04/1992
Semivolatile Organic Compounds						
Benzyl alcohol	µg/L	10 U	10 U	10 U	10 U	10 U
bis(2-chloroethoxy)methane	µg/L	10 U	10 U	10 U	10 U	10 U
bis(2-chloroethyl)ether	µg/L	10 U	10 U	10 U	10 U	10 U
bis(2-chloroisopropyl)ether	µg/L	10 U	10 U	10 U	10 U	10 U
Dibenzofuran	µg/L	10 U	10 U	10 U	10 U	10 U
Hexachlorobenzene	µg/L	10 U	50 U	10 U	10 U	10 U
Hexachlorobutadiene	µg/L	10 U	10 U	10 U	10 U	10 U
Hexachlorocyclopentadiene	µg/L	10 U	10 U	10 U	10 U	10 U
Hexachloroethane	µg/L	10 U	10 U	10 U	10 U	10 U
Isophorone	µg/L	10 U	10 U	10 U	10 U	10 U
Nitrobenzene	µg/L	10 U	10 U	10 U	10 U	10 U
N-Nitrosodimethylamine	µg/L	10 U	10 U	10 U	10 U	10 U
N-Nitroso-di-n-propylamine	µg/L	10 U	10 U	10 U	10 U	10 U
N-Nitrosodiphenylamine	µg/L	10 U	10 U	10 U	10 U	10 U
Phenol	µg/L	10 U	10 U	10 U	10 U	10 U
Glycols & Alcohols						
Diethylene glycol	µg/L	5000 U	5000 U	5000 U	5000 U	5000 U
Ethylene glycol	µg/L	5000 U	5000 U	5000 U	1000 J	5000 U
Propylene glycol	µg/L	5000 U	5000 U	5000 U	5000 U	5000 U
Ethanol	µg/L	2000 U	2000 U	2000 U	2000 U	2000 U
Methanol	µg/L	2000 U	2000 U	2000 U	2000 U	2000 U
1-Propanol	µg/L	2000 U	2000 U	2000 U	2000 U	2000 U
iso-Propanol	µg/L	2000 U	2000 U	2000 U	2000 U	2000 U
Dissolved Metals						
Aluminum	mg/L	0.05 U				
Arsenic	mg/L	0.0062				
Barium	mg/L	0.01 U				
Cadmium	mg/L	0.0002 U				
Chromium	mg/L	0.005 U				
Copper	mg/L	0.005 U				
Iron	mg/L	50				
Lead	mg/L	0.003 U				
Manganese	mg/L	0.81				
Mercury	mg/L	0.0002 U				
Nickel	mg/L	0.01 U				
Zinc	mg/L	0.01 U				

	Event	Hart Crowser's RI Event 1				
	Location	B-09	B-10A	B-11	B-13	B-14
	SampleID	**B-9**	**B-10A**	**B-11**	**B-13**	**B-14**
	Depth (bgs)	38.5 - 43.5 ft	9.5 - 14.5 ft	11 - 13 ft	7 - 12 ft	8.5 - 13.5 ft
	Sample Date	05/04/1992	05/04/1992	05/06/1992	05/01/1992	04/30/1992
Volatile Organic Compounds						
Tetrachloroethene	µg/L	710	3900	80000	6500	1300
Trichloroethene	µg/L	54	590	40000	450	220
1,2-Dichloroethene (total)	µg/L	93	6300	16000	260	600
1,1-Dichloroethene	µg/L	5 U	50 U	500 U	1 U	1 U
Vinyl chloride	µg/L	5.8 J	540	500 U	1 U	0.2 U
1,1,1-Trichloroethane	µg/L	5 U	50 U	3400	8	37
1,1,2,2-Tetrachloroethane	µg/L	5 U	50 U	500 U	1 U	1 U
1,1,2-Trichloroethane	µg/L	5 U	50 U	500 U	1 U	1 U
1,1-Dichloroethane	µg/L	5 U	84	570	2	15
Chloroethane	µg/L	5 U	50 U	500 U	1 U	1 U
1,2,4-Trichlorobenzene	µg/L	10 U		100 U	10 U	20 U
1,2-Dichlorobenzene	µg/L	10 U		100 U	10 U	20 U
1,2-Dichloroethane	µg/L	18	50 U	500 U	1 U	1 U
1,2-Dichloropropane	µg/L	5 U	50 U	500 U	1 U	1 U
1,3-Dichlorobenzene	µg/L	10 U		100 U	10 U	20 U
1,4-Dichlorobenzene	µg/L	10 U		100 U	10 U	20 U
2-Hexanone	µg/L	50 U	500 U	5000 U	10 U	10 U
Acetone	µg/L	51 U	610 U	11000 U	10 U	10 U
Bromodichloromethane	µg/L	5 U	50 U	500 U	1 U	1 U
Bromoform	µg/L	25 U	250 U	2500 U	5 U	5 U
Bromomethane	µg/L	50 U	500 U	5000 U	10 U	10 U
Carbon disulfide	µg/L	5 U	50 U	500 U	1 U	1 U
Carbon tetrachloride	µg/L	5 U	50 U	500 U	1 U	1 U
Chlorobenzene	µg/L	5 U	50 U	500 U	1 U	1 U
Chloroform	µg/L	5 U	50 U	500 U	3	1 U
Chloromethane	µg/L	50 U	500 U	5000 U	10 U	10 U
cis-1,3-Dichloropropene	µg/L	5 U	50 U	500 U	1 U	1 U
Dibromochloromethane	µg/L	5 U	50 U	500 U	1 U	1 U
Dichloromethane	µg/L	25 U	250 U	5900 U	5 U	5 U
Methyl ethyl ketone	µg/L	50 U	500 U	6700	10 U	10 U
Methyl iso butyl ketone	µg/L	50 U	500 U	5000 U	10 U	10 U
trans-1,3-Dichloropropene	µg/L	5 U	50 U	500 U	1 U	1 U
Vinyl acetate	µg/L	50 U	500 U	5000 U	10 U	10 U
Total Petroleum Hydrocarbons						
Diesel	µg/L				1000 U	
Diesel #2	µg/L	1000 U	4000 J	3000 J		1000 U
Gasoline	µg/L				8000	
Gasoline Range Hydrocarbons	µg/L	1000 U	15000	48000		1000 U
BTEX						
Benzene	µg/L	5 U	50 U	500 U	1 U	1 U
Toluene	µg/L	14	1700	5800	1 U	1 U
Ethylbenzene	µg/L	8	940	500 U	1 U	1 U
Xylene (total)	µg/L	45	5100	500 U	1 U	1 U
Alkylated Benzenes						
Styrene	µg/L	5 U	50 U	500 U	1 U	1 U
Semivolatile Organic Compounds						
Benzo(a)anthracene	µg/L	10 U		100 U	10 U	20 U
Benzo(a)pyrene	µg/L	10 U		100 U	10 U	20 U

	Event	Hart Crowser's RI Event 1				
	Location	B-09	B-10A	B-11	B-13	B-14
	SampleID	**B-9**	**B-10A**	**B-11**	**B-13**	**B-14**
	Depth (bgs)	38.5 - 43.5 ft	9.5 - 14.5 ft	11 - 13 ft	7 - 12 ft	8.5 - 13.5 ft
	Sample Date	05/04/1992	05/04/1992	05/06/1992	05/01/1992	04/30/1992
Semivolatile Organic Compounds						
Benzo(g,h,i)perylene	µg/L	10 U		100 U	10 U	20 U
Benzo(b)fluoranthene	µg/L	10 U		100 U	10 U	20 U
Benzo(k)fluoranthene	µg/L	10 U		100 U	10 U	20 U
Chrysene	µg/L	10 U		100 U	10 U	20 U
Dibenzo(a,h)anthracene	µg/L	10 U		100 U	10 U	20 U
Fluoranthene	µg/L	10 U		100 U	10 U	20 U
Indeno(1,2,3-cd)pyrene	µg/L	10 U		100 U	10 U	20 U
Pyrene	µg/L	10 U		100 U	10 U	20 U
1-Methylnaphthalene	µg/L	10 U	10 U	100 U	10 U	20 U
Acenaphthene	µg/L	10 U		100 U	10 U	20 U
Acenaphthylene	µg/L	10 U		100 U	10 U	20 U
Anthracene	µg/L	10 U		100 U	10 U	20 U
Fluorene	µg/L	10 U		100 U	10 U	20 U
Naphthalene	µg/L	10 U	160 J	100 U	10 U	20 U
Phenanthrene	µg/L	10 U		100 U	10 U	20 U
bis(2-ethylhexyl)phthalate	µg/L	10 U		100 U	10 U	20 U
Di-n-butyl phthalate	µg/L	10 U		100 U	10 U	20 U
Butyl benzyl phthalate	µg/L	10 U		100 U	10 U	20 U
Diethylphthalate	µg/L	10 U		100 U	10 U	20 U
Dimethyl phthalate	µg/L	10 U		100 U	10 U	20 U
Di-n-octyl phthalate	µg/L	10 U		100 U	10 U	20 U
Pentachlorophenol	µg/L	0.17 J	50 U	1500	10 U	100 U
Tetrachlorophenols (total)	µg/L	0.2 U	0.74	200 U	0.2 U	0.2 U
2,4-Dichlorophenol	µg/L	1 U	1 U	1000 U	1 U	1 U
2,4,5-Trichlorophenol	µg/L	0.4 U	1.9	400 U	50 U	100 U
2,4,6-Trichlorophenol	µg/L	10 U	10 U	200 U	10 U	0.2 U
2-Chlorophenol	µg/L	10 U	10 U	100 U	10 U	20 U
2,4-Dimethylphenol	µg/L	10 U	16	100 U	10 U	20 U
2,4-Dinitrophenol	µg/L	50 U	50 U	500 U	50 U	100 U
2,4-Dinitrotoluene	µg/L	10 U		100 U	10 U	20 U
2,6-Dinitrotoluene	µg/L	10 U		100 U	10 U	20 U
2-Chloronaphthalene	µg/L	10 U		100 U	10 U	20 U
2-Methylphenol	µg/L	10 U	10 U	630	10 U	20 U
2-Nitroaniline	µg/L	50 U		500 U	50 U	100 U
2-Nitrophenol	µg/L	10 U	10 U	100 U	10 U	20 U
3,3'-Dichlorobenzidine	µg/L	20 U		200 U	20 U	40 U
2-Methylnaphthalene	µg/L	10 U	91 J	100 U	10 U	20 U
3-Nitroaniline	µg/L	50 U		500 U	50 U	100 U
4,6-Dinitro-o-cresol	µg/L	50 U	50 U	500 U	50 U	100 U
4-Bromophenyl phenyl ether	µg/L	10 U		100 U	10 U	20 U
4-Chloro-3-methylphenol	µg/L	10 U	10 U	100 U	10 U	20 U
4-Chloroaniline	µg/L	10 U		100 U	10 U	20 U
4-Chlorophenyl phenyl ether	µg/L	10 U		100 U	10 U	20 U
4-Methylphenol	µg/L	10 U	10 U	100	10 U	20 U
4-Nitroaniline	µg/L	50 U		500 U	50 U	100 U
4-Nitrophenol	µg/L	50 U	50 U	500 U	50 U	100 U
Aniline	µg/L	10 U		100 U	10 U	20 U
Benzidine	µg/L	100 U		1000 U	100 U	200 U

	Event	**Hart Crowser's RI Event 1**				
	Location	B-09	B-10A	B-11	B-13	B-14
	SampleID	**B-9**	**B-10A**	**B-11**	**B-13**	**B-14**
	Depth (bgs)	38.5 - 43.5 ft	9.5 - 14.5 ft	11 - 13 ft	7 - 12 ft	8.5 - 13.5 ft
	Sample Date	05/04/1992	05/04/1992	05/06/1992	05/01/1992	04/30/1992
Semivolatile Organic Compounds						
Benzoic acid	µg/L	50 U	50 U	1000 U	50 U	100 U
Benzyl alcohol	µg/L	10 U		100 U	10 U	20 U
bis(2-chloroethoxy)methane	µg/L	10 U		100 U	10 U	20 U
bis(2-chloroethyl)ether	µg/L	10 U		100 U	10 U	20 U
bis(2-chloroisopropyl)ether	µg/L	10 U		100 U	10 U	20 U
Dibenzofuran	µg/L	10 U		100 U	10 U	20 U
Hexachlorobenzene	µg/L	10 U		100 U	10 U	20 U
Hexachlorobutadiene	µg/L	10 U		100 U	10 U	20 U
Hexachlorocyclopentadiene	µg/L	10 U		100 U	10 U	20 U
Hexachloroethane	µg/L	10 U		100 U	10 U	20 U
Isophorone	µg/L	10 U		100 U	10 U	20 U
Nitrobenzene	µg/L	10 U		100 U	10 U	20 U
N-Nitrosodimethylamine	µg/L	10 U		100 U	10 U	20 U
N-Nitroso-di-n-propylamine	µg/L	10 U		100 U	10 U	20 U
N-Nitrosodiphenylamine	µg/L	10 U		100 U	10 U	20 U
Phenol	µg/L	10 U	10 U	100 U	10 U	20 U
Glycols & Alcohols						
Diethylene glycol	µg/L	5000 U	3700 J	5000 U	5000 U	5000 U
Ethylene glycol	µg/L	5000 U	3500 J	900 J	5000 U	5000 U
Propylene glycol	µg/L	5000 U	5000 U	5000 U	5000 U	5000 U
Ethanol	µg/L	2000 U	2000 U	2000 U	2000 U	2000 U
Methanol	µg/L	2000 U	2000 U	7900	2000 U	2000 U
1-Propanol	µg/L	2000 U	2000 U	2000 U	2000 U	2000 U
iso-Propanol	µg/L	2000 U	2000 U	5700	2000 U	2000 U

	Event	Hart Crowser's RI Event 1				
	Location	B-15	B-16	B-17	B-18	B-19
	SampleID	**B-15**	**B-16**	**B-17**	**B-18**	**B-19**
	Depth (bgs)	12 - 17 ft	11 - 16 ft	40 - 50 ft	6 - 16 ft	37.5 - 47.5 ft
	Sample Date	04/29/1992	05/01/1992	05/06/1992	05/05/1992	05/05/1992
Volatile Organic Compounds						
Tetrachloroethene	µg/L	85000	360	5	160	62
Trichloroethene	µg/L	22000	210	1 U	120	51
1,2-Dichloroethene (total)	µg/L	26000	30000	5	1400	28
1,1-Dichloroethene	µg/L	100 U	100 U	1 U	10 U	1 U
Vinyl chloride	µg/L	280 J	690	1 U	1200	5.3 J
1,1,1-Trichloroethane	µg/L	2500	360	1 U	21	1 U
1,1,2,2-Tetrachloroethane	µg/L	100 U	100 U	1 U	10 U	1 U
1,1,2-Trichloroethane	µg/L	100 U	100 U	1 U	10 U	1 U
1,1-Dichloroethane	µg/L	1100	290	1 U	100	1 U
Chloroethane	µg/L	100 U	100 U	1 U	10 U	1 U
1,2,4-Trichlorobenzene	µg/L	20 U	10 U	10 U	10 U	10 U
1,2-Dichlorobenzene	µg/L	20 U	17	10 U	10 U	10 U
1,2-Dichloroethane	µg/L	100 U	100 U	1 U	10 U	1 U
1,2-Dichloropropane	µg/L	100 U	100 U	1 U	10 U	1 U
1,3-Dichlorobenzene	µg/L	20 U	10 U	10 U	10 U	10 U
1,4-Dichlorobenzene	µg/L	20 U	10 U	10 U	10 U	10 U
2-Hexanone	µg/L	1000 U	1000 U	10 U	100 U	10 U
Acetone	µg/L	18000 U	7200 U	10 U	120 U	10 U
Bromodichloromethane	µg/L	100 U	100 U	1 U	10 U	1 U
Bromoform	µg/L	500 U	500 U	5 U	50 U	5 U
Bromomethane	µg/L	1000 U	1000 U	10 U	100 U	10 U
Carbon disulfide	µg/L	100 U	100 U	1 U	10 U	1 U
Carbon tetrachloride	µg/L	100 U	100 U	1 U	10 U	1 U
Chlorobenzene	µg/L	100 U	100 U	1 U	10 U	1 U
Chloroform	µg/L	100 U	100 U	1 U	10 U	12
Chloromethane	µg/L	1000 U	1000 U	10 U	100 U	10 U
cis-1,3-Dichloropropene	µg/L	100 U	100 U	1 U	10 U	1 U
Dibromochloromethane	µg/L	100 U	100 U	1 U	10 U	1 U
Dichloromethane	µg/L	7500	500 U	5 U	50 U	5 U
Methyl ethyl ketone	µg/L	170000	1500	10 U	100 U	10 U
Methyl iso butyl ketone	µg/L	4500	870 J	10 U	100 U	10 U
trans-1,3-Dichloropropene	µg/L	100 U	100 U	1 U	10 U	1 U
Vinyl acetate	µg/L	1000 U	1000 U	10 U	100 U	10 U
Total Petroleum Hydrocarbons						
Diesel #2	µg/L	1000 U	1000 U	1000 U	1000 U	1000 U
Gasoline Range Hydrocarbons	µg/L	64000	7000	1000 U	1000 U	1000 U
BTEX						
Benzene	µg/L	120	100 U	3	10 U	2
Toluene	µg/L	6700	960	12	150	9
Ethylbenzene	µg/L	380	1100	7	10 U	6
Xylene (total)	µg/L	5300	1800	41	10 U	27
Alkylated Benzenes						
Styrene	µg/L	100 U	100 U	1 U	10 U	1 U
Semivolatile Organic Compounds						
Benzo(a)anthracene	µg/L	20 U	10 U	10 U	10 U	10 U
Benzo(a)pyrene	µg/L	20 U	10 U	10 U	10 U	10 U
Benzo(g,h,i)perylene	µg/L	20 U	10 U	10 U	10 U	10 U
Benzo(b)fluoranthene	µg/L	20 U	10 U	10 U	10 U	10 U

	Event	Hart Crowser's RI Event 1				
	Location	B-15	B-16	B-17	B-18	B-19
	SampleID	**B-15**	**B-16**	**B-17**	**B-18**	**B-19**
	Depth (bgs)	12 - 17 ft	11 - 16 ft	40 - 50 ft	6 - 16 ft	37.5 - 47.5 ft
	Sample Date	04/29/1992	05/01/1992	05/06/1992	05/05/1992	05/05/1992
Semivolatile Organic Compounds						
Benzo(k)fluoranthene	µg/L	20 U	10 U	10 U	10 U	10 U
Chrysene	µg/L	20 U	10 U	10 U	10 U	10 U
Dibenzo(a,h)anthracene	µg/L	20 U	10 U	10 U	10 U	10 U
Fluoranthene	µg/L	20 U	10 U	10 U	10 U	10 U
Indeno(1,2,3-cd)pyrene	µg/L	20 U	10 U	10 U	10 U	10 U
Pyrene	µg/L	20 U	10 U	10 U	10 U	10 U
1-Methylnaphthalene	µg/L	20 U	10 U	10 U	10 U	10 U
Acenaphthene	µg/L	20 U	10 U	10 U	10 U	10 U
Acenaphthylene	µg/L	20 U	10 U	10 U	10 U	10 U
Anthracene	µg/L	20 U	10 U	10 U	10 U	10 U
Fluorene	µg/L	20 U	10 U	10 U	10 U	10 U
Naphthalene	µg/L	24	10 U	10 U	10 U	10 U
Phenanthrene	µg/L	20 U	10 U	10 U	10 U	10 U
bis(2-ethylhexyl)phthalate	µg/L	20 U	10 U	18	10 U	10
Di-n-butyl phthalate	µg/L	20 U	10 U	10 U	10 U	10 U
Butyl benzyl phthalate	µg/L	20 U	10 U	10 U	10 U	10 U
Diethylphthalate	µg/L	20 U	10 U	10 U	10 U	10 U
Dimethyl phthalate	µg/L	20 U	10 U	10 U	10 U	10 U
Di-n-octyl phthalate	µg/L	20 U	10 U	10 U	10 U	10 U
Pentachlorophenol	µg/L	72	26	0.4	50 U	0.42
Tetrachlorophenols (total)	µg/L	20 U	20 U	0.2 U	0.2 U	0.2 U
2,4-Dichlorophenol	µg/L	100 U	10 U	1 U	1 U	1 U
2,4,5-Trichlorophenol	µg/L	40 U	50 U	0.4 U	50 U	0.4 U
2,4,6-Trichlorophenol	µg/L	20 U	20 U	0.2 U	10 U	10 U
2-Chlorophenol	µg/L	20 U	10 U	10 U	10 U	10 U
2,4-Dimethylphenol	µg/L	480	24	10 U	10 U	10 U
2,4-Dinitrophenol	µg/L	100 U	50 U	50 U	50 U	50 U
2,4-Dinitrotoluene	µg/L	20 U	10 U	10 U	10 U	10 U
2,6-Dinitrotoluene	µg/L	20 U	10 U	10 U	10 U	10 U
2-Chloronaphthalene	µg/L	20 U	10 U	10 U	10 U	10 U
2-Methylphenol	µg/L	440	34	10 U	10 U	10 U
2-Nitroaniline	µg/L	100 U	50 U	50 U	50 U	50 U
2-Nitrophenol	µg/L	20 U	10 U	10 U	10 U	10 U
3,3'-Dichlorobenzidine	µg/L	40 U	20 U	20 U	20 U	20 U
2-Methylnaphthalene	µg/L	20 U	10 U	10 U	10 U	10 U
3-Nitroaniline	µg/L	100 U	50 U	50 U	50 U	50 U
4,6-Dinitro-o-cresol	µg/L	100 U	50 U	50 U	50 U	50 U
4-Bromophenyl phenyl ether	µg/L	20 U	10 U	10 U	10 U	10 U
4-Chloro-3-methylphenol	µg/L	20 U	10 U	10 U	10 U	10 U
4-Chloroaniline	µg/L	20 U	10 U	10 U	10 U	10 U
4-Chlorophenyl phenyl ether	µg/L	20 U	10 U	10 U	10 U	10 U
4-Methylphenol	µg/L	20 U	68	10 U	10 U	10 U
4-Nitroaniline	µg/L	100 U	50 U	50 U	50 U	50 U
4-Nitrophenol	µg/L	100 U	50 U	50 U	50 U	50 U
Aniline	µg/L	20 U	10 U	10 U	10 U	10 U
Benzidine	µg/L	200 U	100 U	100 U	100 U	100 U
Benzoic acid	µg/L	100 U	110	50 U	50 U	50 U
Benzyl alcohol	µg/L	20 U	10 U	10 U	10 U	10 U

	Event	Hart Crowser's RI Event 1				
	Location	B-15	B-16	B-17	B-18	B-19
	SampleID	**B-15**	**B-16**	**B-17**	**B-18**	**B-19**
	Depth (bgs)	12 - 17 ft	11 - 16 ft	40 - 50 ft	6 - 16 ft	37.5 - 47.5 ft
	Sample Date	04/29/1992	05/01/1992	05/06/1992	05/05/1992	05/05/1992
Semivolatile Organic Compounds						
bis(2-chloroethoxy)methane	µg/L	20 U	10 U	10 U	10 U	10 U
bis(2-chloroethyl)ether	µg/L	20 U	10 U	10 U	10 U	10 U
bis(2-chloroisopropyl)ether	µg/L	20 U	10 U	10 U	10 U	10 U
Dibenzofuran	µg/L	20 U	10 U	10 U	10 U	10 U
Hexachlorobenzene	µg/L	20 U	10 U	10 U	10 U	10 U
Hexachlorobutadiene	µg/L	20 U	10 U	10 U	10 U	10 U
Hexachlorocyclopentadiene	µg/L	20 U	10 U	10 U	10 U	10 U
Hexachloroethane	µg/L	20 U	10 U	10 U	10 U	10 U
Isophorone	µg/L	20 U	10 U	10 U	10 U	10 U
Nitrobenzene	µg/L	20 U	10 U	10 U	10 U	10 U
N-Nitrosodimethylamine	µg/L	20 U	10 U	10 U	10 U	10 U
N-Nitroso-di-n-propylamine	µg/L	20 U	10 U	10 U	10 U	10 U
N-Nitrosodiphenylamine	µg/L	20 U	10 U	10 U	10 U	10 U
Phenol	µg/L	20 U	10 U	10 U	10 U	10 U
Glycols & Alcohols						
Diethylene glycol	µg/L	5000 U	5000 U	5000 U	5000 U	5000 U
Ethylene glycol	µg/L	22000 J	5000 U	5000 U	5000 U	500 J
Propylene glycol	µg/L	2600 J	3100 J	5000 U	5000 U	5000 U
Ethanol	µg/L	2000 U	4600	2000 U	2000 U	2000 U
Methanol	µg/L	2000 U	2300	2000 U	2000 U	2000 U
1-Propanol	µg/L	2000 U	2000 U	2000 U	2000 U	2000 U
iso-Propanol	µg/L	3800	2000 U	2000 U	2000 U	2000 U
Dissolved Metals						
Aluminum	mg/L				0.05 U	
Arsenic	mg/L				0.0071	
Barium	mg/L				0.01	
Cadmium	mg/L				0.0002 U	
Chromium	mg/L				0.005 U	
Copper	mg/L				0.0054	
Lead	mg/L				0.003 U	
Mercury	mg/L				0.0002 U	
Nickel	mg/L				0.01 U	
Zinc	mg/L				0.03	

	Event	Hart Crowser's RI Event 1				
	Location	B-19	B-20	B-21	B-22	B-23
	SampleID	**B-72 (B-19 DUP)**	**B-20**	**B-21**	**B-22**	**B-23**
	Depth (bgs)	37.5 - 47.5 ft	6 - 16 ft	38 - 43 ft	7 - 13 ft	20.5 - 30.5 ft
	Sample Date	05/05/1992	05/01/1992	05/01/1992	05/01/1992	05/01/1992
Volatile Organic Compounds						
Tetrachloroethene	µg/L	63	540	1 U	2300	6
Trichloroethene	µg/L	50	260	33 J	690	5
1,2-Dichloroethene (total)	µg/L	29	1100	37000 J	440	9
1,1-Dichloroethene	µg/L	1 U	11	57 J	5	1 U
Vinyl chloride	µg/L	4	760	18000 J	68	1 U
1,1,1-Trichloroethane	µg/L	1 U	160	1 U	2	1 U
1,1,2,2-Tetrachloroethane	µg/L	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichloroethane	µg/L	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	µg/L	1 U	54	61 J	2	1 U
Chloroethane	µg/L	1 U	1 U	1 U	1 U	1 U
1,2,4-Trichlorobenzene	µg/L	10 U	10 U	10 U	10 U	10 U
1,2-Dichlorobenzene	µg/L	10 U	10 U	21	10 U	10 U
1,2-Dichloroethane	µg/L	1 U	1 U	1 U	1 U	1 U
1,2-Dichloropropane	µg/L	1 U	1 U	1 U	1 U	1 U
1,3-Dichlorobenzene	µg/L	10 U	10 U	10 U	10 U	10 U
1,4-Dichlorobenzene	µg/L	10 U	10 U	10 U	10 U	10 U
2-Hexanone	µg/L	10 U	10 U	10 U	10 U	10 U
Acetone	µg/L	10 U	820 U	24 U	10 U	10 U
Bromodichloromethane	µg/L	1 U	1 U	1 U	1 U	1 U
Bromoform	µg/L	5 U	5 U	5 U	5 U	5 U
Bromomethane	µg/L	10 U	10 U	10 U	10 U	10 U
Carbon disulfide	µg/L	1 U	1 U	1 U	1 U	1 U
Carbon tetrachloride	µg/L	1 U	1 U	1 U	1 U	1 U
Chlorobenzene	µg/L	1 U	1 U	1 U	1 U	1 U
Chloroform	µg/L	13	1 U	1 J	1	1 U
Chloromethane	µg/L	10 U	10 U	10 U	10 U	10 U
cis-1,3-Dichloropropene	µg/L	1 U	1 U	1 U	1 U	1 U
Dibromochloromethane	µg/L	1 U	1 U	1 U	1 U	1 U
Dichloromethane	µg/L	5 U	59	5 U	5 U	5 U
Methyl ethyl ketone	µg/L	10 U	230	10 U	10 U	10 U
Methyl iso butyl ketone	µg/L	10 U	120	10 U	10 U	10 U
trans-1,3-Dichloropropene	µg/L	1 U	1 U	1 U	1 U	1 U
Vinyl acetate	µg/L	10 U	10 U	10 U	10 U	10 U
Total Petroleum Hydrocarbons						
Diesel	µg/L		1000 U			
Diesel #2	µg/L	1000 U		1000 U	1000 U	1000 U
Gasoline	µg/L		1000			
Gasoline Range Hydrocarbons	µg/L	1000 U		8000	1000 U	1000 U
BTEX						
Benzene	µg/L	2	20	15 J	1 U	1 U
Toluene	µg/L	10	470	2800 J	1 U	5
Ethylbenzene	µg/L	6	68	800 J	1 U	4
Xylene (total)	µg/L	29	170	1200 J	1	21
Alkylated Benzenes						
Styrene	µg/L	1 U	1 U	1 U	1 U	1 U
Semivolatile Organic Compounds						
Benzo(a)anthracene	µg/L	10 U	10 U	10 U	10 U	10 U
Benzo(a)pyrene	µg/L	10 U	10 U	10 U	10 U	10 U

	Event	Hart Crowser's RI Event 1				
	Location	B-19	B-20	B-21	B-22	B-23
	SampleID	**B-72 (B-19 DUP)**	**B-20**	**B-21**	**B-22**	**B-23**
	Depth (bgs)	37.5 - 47.5 ft	6 - 16 ft	38 - 43 ft	7 - 13 ft	20.5 - 30.5 ft
	Sample Date	05/05/1992	05/01/1992	05/01/1992	05/01/1992	05/01/1992
Semivolatile Organic Compounds						
Benzo(g,h,i)perylene	µg/L	10 U	10 U	10 U	10 U	10 U
Benzo(b)fluoranthene	µg/L	10 U	10 U	10 U	10 U	10 U
Benzo(k)fluoranthene	µg/L	10 U	10 U	10 U	10 U	10 U
Chrysene	µg/L	10 U	10 U	10 U	10 U	10 U
Dibenzo(a,h)anthracene	µg/L	10 U	10 U	10 U	10 U	10 U
Fluoranthene	µg/L	10 U	10 U	10 U	10 U	10 U
Indeno(1,2,3-cd)pyrene	µg/L	10 U	10 U	10 U	10 U	10 U
Pyrene	µg/L	10 U	10 U	10 U	10 U	10 U
1-Methylnaphthalene	µg/L	10 U	10 U	10 U	10 U	10 U
Acenaphthene	µg/L	10 U	10 U	10 U	10 U	10 U
Acenaphthylene	µg/L	10 U	10 U	10 U	10 U	10 U
Anthracene	µg/L	10 U	10 U	10 U	10 U	10 U
Fluorene	µg/L	10 U	10 U	10 U	10 U	10 U
Naphthalene	µg/L	10 U	10 U	17	10 U	10 U
Phenanthrene	µg/L	10 U	10 U	10 U	10 U	10 U
bis(2-ethylhexyl)phthalate	µg/L	60	17	11	10 U	11
Di-n-butyl phthalate	µg/L	10 U	10 U	10 U	10 U	10 U
Butyl benzyl phthalate	µg/L	10 U	10 U	10 U	10 U	10 U
Diethylphthalate	µg/L	10 U	10 U	10 U	10 U	10 U
Dimethyl phthalate	µg/L	10 U	10 U	10 U	10 U	10 U
Di-n-octyl phthalate	µg/L	10 U	10 U	10 U	10 U	10 U
Pentachlorophenol	µg/L	0.68	73	10 U	50 U	0.08
Tetrachlorophenols (total)	µg/L	0.2 U	20 U	0.2 U	0.2 U	0.2 U
2,4-Dichlorophenol	µg/L	10 U	10 U	10 U	1 U	1 U
2,4,5-Trichlorophenol	µg/L	0.4 U	40 U	50 U	0.4 U	50 U
2,4,6-Trichlorophenol	µg/L	0.2 U	10 U	0.2 U	0.2 U	0.2 U
2-Chlorophenol	µg/L	10 U	10 U	10 U	10 U	10 U
2,4-Dimethylphenol	µg/L	10 U	10 U	10 U	10 U	10 U
2,4-Dinitrophenol	µg/L	50 U	50 U	50 U	50 U	50 U
2,4-Dinitrotoluene	µg/L	10 U	10 U	10 U	10 U	10 U
2,6-Dinitrotoluene	µg/L	10 U	10 U	10 U	10 U	10 U
2-Chloronaphthalene	µg/L	10 U	10 U	10 U	10 U	10 U
2-Methylphenol	µg/L	10 U	10 U	10 U	10 U	10 U
2-Nitroaniline	µg/L	50 U	50 U	50 U	50 U	50 U
2-Nitrophenol	µg/L	10 U	10 U	10 U	10 U	10 U
3,3'-Dichlorobenzidine	µg/L	20 U	20 U	20 U	20 U	20 U
2-Methylnaphthalene	µg/L	10 U	10 U	10 U	10 U	10 U
3-Nitroaniline	µg/L	50 U	50 U	50 U	50 U	50 U
4,6-Dinitro-o-cresol	µg/L	50 U	50 U	50 U	50 U	50 U
4-Bromophenyl phenyl ether	µg/L	10 U	10 U	10 U	10 U	10 U
4-Chloro-3-methylphenol	µg/L	10 U	10 U	10 U	10 U	10 U
4-Chloroaniline	µg/L	10 U	10 U	10 U	10 U	10 U
4-Chlorophenyl phenyl ether	µg/L	10 U	10 U	10 U	10 U	10 U
4-Methylphenol	µg/L	10 U	14	10 U	10 U	10 U
4-Nitroaniline	µg/L	50 U	50 U	50 U	50 U	50 U
4-Nitrophenol	µg/L	50 U	50 U	50 U	50 U	50 U
Aniline	µg/L	10 U	10 U	10 U	10 U	10 U
Benzidine	µg/L	100 U	100 U	100 U	100 U	100 U

	Event	Hart Crowser's RI Event 1				
	Location	B-19	B-20	B-21	B-22	B-23
	SampleID	**B-72 (B-19 DUP)**	**B-20**	**B-21**	**B-22**	**B-23**
	Depth (bgs)	37.5 - 47.5 ft	6 - 16 ft	38 - 43 ft	7 - 13 ft	20.5 - 30.5 ft
	Sample Date	05/05/1992	05/01/1992	05/01/1992	05/01/1992	05/01/1992
Semivolatile Organic Compounds						
Benzoic acid	µg/L	50 U	50 U	50 U	50 U	50 U
Benzyl alcohol	µg/L	10 U	10 U	10 U	10 U	10 U
bis(2-chloroethoxy)methane	µg/L	10 U	10 U	10 U	10 U	10 U
bis(2-chloroethyl)ether	µg/L	10 U	10 U	10 U	10 U	10 U
bis(2-chloroisopropyl)ether	µg/L	10 U	10 U	10 U	10 U	10 U
Dibenzofuran	µg/L	10 U	10 U	10 U	10 U	10 U
Hexachlorobenzene	µg/L	10 U	10 U	10 U	10 U	10 U
Hexachlorobutadiene	µg/L	10 U	10 U	10 U	10 U	10 U
Hexachlorocyclopentadiene	µg/L	10 U	10 U	10 U	10 U	10 U
Hexachloroethane	µg/L	10 U	10 U	10 U	10 U	10 U
Isophorone	µg/L	10 U	10 U	10 U	10 U	10 U
Nitrobenzene	µg/L	10 U	10 U	10 U	10 U	10 U
N-Nitrosodimethylamine	µg/L	10 U	10 U	10 U	10 U	10 U
N-Nitroso-di-n-propylamine	µg/L	10 U	10 U	10 U	10 U	10 U
N-Nitrosodiphenylamine	µg/L	10 U	10 U	10 U	10 U	10 U
Phenol	µg/L	10 U	10 U	10 U	10 U	10 U
Glycols & Alcohols						
Diethylene glycol	µg/L	5000 U	5000 U	5000 U	5000 U	5000 U
Ethylene glycol	µg/L	600 J	5000 U	2200 J	5000 U	5000 U
Propylene glycol	µg/L	5000 U	5000 U	5000 U	5000 U	5000 U
Ethanol	µg/L	2000 U	2000 U	2000 U	2000 U	2000 U
Methanol	µg/L	2000 U	2000 U	2000 U	2000 U	2000 U
1-Propanol	µg/L	2000 U	2000 U	2000 U	2000 U	2000 U
iso-Propanol	µg/L	2000 U	2000 U	2000 U	2000 U	2000 U
Dissolved Metals						
Aluminum	mg/L	0.05 U		0.05 U	0.06	
Arsenic	mg/L	0.005 U		0.005 U	0.005 U	
Barium	mg/L	0.01		0.01 U	0.01	
Cadmium	mg/L	0.0005		0.0002 U	0.0002 U	
Chromium	mg/L	0.005 U		0.005 U	0.005 U	
Copper	mg/L	0.0082		0.005 U	0.005 U	
Lead	mg/L	0.003 U		0.003 U	0.003 U	
Mercury	mg/L	0.0002 U		0.0002 U	0.0002 U	
Nickel	mg/L	0.01 U		0.01 U	0.01 U	
Zinc	mg/L	0.02		0.01	0.02	

	Event	Hart Crowser's RI Event 1				
	Location	B-23	B-24	B-25	B-26	B-27
	SampleID	**B-23 DUP**	**B-24**	**B-25**	**B-26**	**B-27**
	Depth (bgs)	20.5 - 30.5 ft	6 - 16 ft	27 - 37 ft	8.5 - 13.25 ft	42.5 - 47.5 ft
	Sample Date	05/01/1992	05/05/1992	05/05/1992	05/06/1992	05/06/1992
Volatile Organic Compounds						
Tetrachloroethene	µg/L	5	1	4	26	4
Trichloroethene	µg/L	5	1 U	2	18	3
1,2-Dichloroethene (total)	µg/L	6	4	2	16	10
1,1-Dichloroethene	µg/L	1 U	1 U	1 U	1 U	1 U
Vinyl chloride	µg/L	2 J	1 U	1 U	1 U	1 U
1,1,1-Trichloroethane	µg/L	1 U	1 U	1 U	1 U	1 U
1,1,2,2-Tetrachloroethane	µg/L	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichloroethane	µg/L	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	µg/L	1 U	1 U	1 U	1 U	1 U
Chloroethane	µg/L	1 U	1 U	1 U	1 U	1 U
1,2,4-Trichlorobenzene	µg/L	10 U	10 U	10 U	10 U	10 U
1,2-Dichlorobenzene	µg/L	10 U	10 U	10 U	10 U	10 U
1,2-Dichloroethane	µg/L	1 U	1 U	1 U	1 U	1 U
1,2-Dichloropropane	µg/L	1 U	1 U	1 U	1 U	1 U
1,3-Dichlorobenzene	µg/L	10 U	10 U	10 U	10 U	10 U
1,4-Dichlorobenzene	µg/L	10 U	10 U	10 U	10 U	10 U
2-Hexanone	µg/L	10 U	10 U	10 U	10 U	10 U
Acetone	µg/L	10 U	10 U	10 U	10 U	10 U
Bromodichloromethane	µg/L	1 U	1 U	1 U	1 U	1 U
Bromoform	µg/L	5 U	5 U	5 U	5 U	5 U
Bromomethane	µg/L	10 U	10 U	10 U	10 U	10 U
Carbon disulfide	µg/L	1 U	1 U	1 U	1 U	1 U
Carbon tetrachloride	µg/L	1 U	1 U	1 U	1 U	1 U
Chlorobenzene	µg/L	1 U	1 U	1 U	1 U	1 U
Chloroform	µg/L	1 U	1 U	1 U	1 U	20
Chloromethane	µg/L	10 U	10 U	10 U	10 U	10 U
cis-1,3-Dichloropropene	µg/L	1 U	1 U	1 U	1 U	1 U
Dibromochloromethane	µg/L	1 U	1 U	1 U	1 U	1 U
Dichloromethane	µg/L	5 U	5 U	5 U	5 U	5 U
Methyl ethyl ketone	µg/L	10 U	10 U	10 U	10 U	10 U
Methyl iso butyl ketone	µg/L	10 U	10 U	10 U	10 U	10 U
trans-1,3-Dichloropropene	µg/L	1 U	1 U	1 U	1 U	1 U
Vinyl acetate	µg/L	10 U	10 U	10 U	10 U	10 U
Total Petroleum Hydrocarbons						
Diesel #2	µg/L	1000 U	7000 JN	1000 U	1000 U	1000 U
Gasoline Range Hydrocarbons	µg/L	1000 U	1000 U	1000 U	1000 U	1000 U
Motor Oil	µg/L		52000 J			
BTEX						
Benzene	µg/L	1 U	2	2	1 U	5
Toluene	µg/L	4	8	10	1 U	19
Ethylbenzene	µg/L	3	3	7	1 U	12
Xylene (total)	µg/L	14	20	40	1 U	64
Alkylated Benzenes						
Styrene	µg/L	1 U	1 U	1 U	1 U	1 U
Semivolatile Organic Compounds						
Benzo(a)anthracene	µg/L	10 U	10 U	10 U	10 U	10 U
Benzo(a)pyrene	µg/L	10 U	10 U	10 U	10 U	10 U
Benzo(g,h,i)perylene	µg/L	10 U	10 U	10 U	10 U	10 U

	Event	Hart Crowser's RI Event 1				
	Location	B-23	B-24	B-25	B-26	B-27
	SampleID	**B-23 DUP**	**B-24**	**B-25**	**B-26**	**B-27**
	Depth (bgs)	20.5 - 30.5 ft	6 - 16 ft	27 - 37 ft	8.5 - 13.25 ft	42.5 - 47.5 ft
	Sample Date	05/01/1992	05/05/1992	05/05/1992	05/06/1992	05/06/1992
Semivolatile Organic Compounds						
Benzo(b)fluoranthene	µg/L	10 U	10 U	10 U	10 U	10 U
Benzo(k)fluoranthene	µg/L	10 U	10 U	10 U	10 U	10 U
Chrysene	µg/L	10 U	10 U	10 U	10 U	10 U
Dibenzo(a,h)anthracene	µg/L	10 U	10 U	10 U	10 U	10 U
Fluoranthene	µg/L	10 U	10 U	10 U	10 U	10 U
Indeno(1,2,3-cd)pyrene	µg/L	10 U	10 U	10 U	10 U	10 U
Pyrene	µg/L	10 U	10 U	10 U	10 U	10 U
1-Methylnaphthalene	µg/L	10 U	10 U	10 U	10 U	10 U
Acenaphthene	µg/L	10 U	10 U	10 U	10 U	10 U
Acenaphthylene	µg/L	10 U	10 U	10 U	10 U	10 U
Anthracene	µg/L	10 U	10 U	10 U	10 U	10 U
Fluorene	µg/L	10 U	10 U	10 U	10 U	10 U
Naphthalene	µg/L	10 U	10 U	10 U	10 U	10 U
Phenanthrene	µg/L	10 U	10 U	10 U	10 U	10 U
bis(2-ethylhexyl)phthalate	µg/L	12	10 U	36	10 U	17
Di-n-butyl phthalate	µg/L	10 U	10 U	10 U	10 U	10 U
Butyl benzyl phthalate	µg/L	10 U	10 U	10 U	10 U	10 U
Diethylphthalate	µg/L	10 U	10 U	10 U	10 U	10 U
Dimethyl phthalate	µg/L	10 U	10 U	10 U	10 U	10 U
Di-n-octyl phthalate	µg/L	10 U	10 U	10 U	10 U	10 U
Pentachlorophenol	µg/L	0.05 U	0.15	0.35	10 U	50 U
Tetrachlorophenols (total)	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
2,4-Dichlorophenol	µg/L	1 U	1 U	1 U	1 U	10 U
2,4,5-Trichlorophenol	µg/L	50 U	0.4 U	50 U	0.4 U	0.4 U
2,4,6-Trichlorophenol	µg/L	10 U	0.2 U	10 U	0.2 U	0.2 U
2-Chlorophenol	µg/L	10 U	10 U	10 U	10 U	10 U
2,4-Dimethylphenol	µg/L	10 U	10 U	10 U	10 U	10 U
2,4-Dinitrophenol	µg/L	50 U	50 U	50 U	50 U	50 U
2,4-Dinitrotoluene	µg/L	10 U	10 U	10 U	10 U	10 U
2,6-Dinitrotoluene	µg/L	10 U	10 U	10 U	10 U	10 U
2-Chloronaphthalene	µg/L	10 U	10 U	10 U	10 U	10 U
2-Methylphenol	µg/L	10 U	10 U	10 U	10 U	10 U
2-Nitroaniline	µg/L	50 U	50 U	50 U	50 U	50 U
2-Nitrophenol	µg/L	10 U	10 U	10 U	10 U	10 U
3,3'-Dichlorobenzidine	µg/L	20 U	20 U	20 U	20 U	20 U
2-Methylnaphthalene	µg/L	10 U	10 U	10 U	10 U	10 U
3-Nitroaniline	µg/L	50 U	50 U	50 U	50 U	50 U
4,6-Dinitro-o-cresol	µg/L	50 U	50 U	50 U	50 U	50 U
4-Bromophenyl phenyl ether	µg/L	10 U	10 U	10 U	10 U	10 U
4-Chloro-3-methylphenol	µg/L	10 U	10 U	10 U	10 U	10 U
4-Chloroaniline	µg/L	10 U	10 U	10 U	10 U	10 U
4-Chlorophenyl phenyl ether	µg/L	10 U	10 U	10 U	10 U	10 U
4-Methylphenol	µg/L	10 U	10 U	10 U	10 U	10 U
4-Nitroaniline	µg/L	50 U	50 U	50 U	50 U	50 U
4-Nitrophenol	µg/L	50 U	50 U	50 U	50 U	50 U
Aniline	µg/L	10 U	10 U	10 U	10 U	10 U
Benzidine	µg/L	100 U	100 U	100 U	100 U	100 U
Benzoic acid	µg/L	50 U	50 U	50 U	50 U	50 U

	Event	**Hart Crowser's RI Event 1**				
	Location	B-23	B-24	B-25	B-26	B-27
	SampleID	**B-23 DUP**	**B-24**	**B-25**	**B-26**	**B-27**
	Depth (bgs)	20.5 - 30.5 ft	6 - 16 ft	27 - 37 ft	8.5 - 13.25 ft	42.5 - 47.5 ft
	Sample Date	05/01/1992	05/05/1992	05/05/1992	05/06/1992	05/06/1992
Semivolatile Organic Compounds						
Benzyl alcohol	µg/L	10 U	10 U	10 U	10 U	10 U
bis(2-chloroethoxy)methane	µg/L	10 U	10 U	10 U	10 U	10 U
bis(2-chloroethyl)ether	µg/L	10 U	10 U	10 U	10 U	10 U
bis(2-chloroisopropyl)ether	µg/L	10 U	10 U	10 U	10 U	10 U
Dibenzofuran	µg/L	10 U	10 U	10 U	10 U	10 U
Hexachlorobenzene	µg/L	10 U	10 U	10 U	10 U	10 U
Hexachlorobutadiene	µg/L	10 U	10 U	10 U	10 U	10 U
Hexachlorocyclopentadiene	µg/L	10 U	10 U	10 U	10 U	10 U
Hexachloroethane	µg/L	10 U	10 U	10 U	10 U	10 U
Isophorone	µg/L	10 U	10 U	10 U	10 U	10 U
Nitrobenzene	µg/L	10 U	10 U	10 U	10 U	10 U
N-Nitrosodimethylamine	µg/L	10 U	10 U	10 U	10 U	10 U
N-Nitroso-di-n-propylamine	µg/L	10 U	10 U	10 U	10 U	10 U
N-Nitrosodiphenylamine	µg/L	10 U	10 U	10 U	10 U	10 U
Phenol	µg/L	10 U	10 U	10 U	10 U	10 U
Glycols & Alcohols						
Diethylene glycol	µg/L	5000 U	5000 U	5000 U	5000 U	5000 U
Ethylene glycol	µg/L	5000 U	5000 U	700 J	5000 U	5000 U
Propylene glycol	µg/L	5000 U	5000 U	5000 U	5000 U	5000 U
Ethanol	µg/L	2000 U	2000 U	2000 U	2000 U	2000 U
Methanol	µg/L	2000 U	2000 U	2000 U	2000 U	2000 U
1-Propanol	µg/L	2000 U	2000 U	2000 U	2000 U	2000 U
iso-Propanol	µg/L	2000 U	2000 U	2000 U	2000 U	2000 U

	Event	Hart Crowser's RI Event 1				
	Location	B-28	B-29	B-30	B-30	B-31
	SampleID	**B-28**	**B-29**	**B-30**	**B-30**	**B-31**
	Depth (bgs)	9 - 14 ft	9 - 14 ft	8 - 15 ft	8 - 15 ft	6.5 - 11.5 ft
	Sample Date	04/29/1992	05/06/1992	05/01/1992	05/04/1992	05/04/1992
Volatile Organic Compounds						
Tetrachloroethene	µg/L	47	100 U	100000 J	100000 J	76000
Trichloroethene	µg/L	3	100 U	34000 J	34000 J	51000
1,2-Dichloroethene (total)	µg/L	1 U	16000	38000 J	38000 J	20000
1,1-Dichloroethene	µg/L	1 U	100 U	150 J	150 J	500 U
Vinyl chloride	µg/L	0.2 U	5200 J	230 J	230 J	130 J
1,1,1-Trichloroethane	µg/L	1 U	150	9300 J	9300 J	14000
1,1,2,2-Tetrachloroethane	µg/L	1 U	100 U	10 U	10 U	500 U
1,1,2-Trichloroethane	µg/L	1 U	100 U	48 J	48 J	500 U
1,1-Dichloroethane	µg/L	1 U	290	1200 J	1200 J	1300
Chloroethane	µg/L	1 U	100 U	10 U	10 U	500 U
1,2,4-Trichlorobenzene	µg/L	10 U	25 U	100 U	100 U	1000 U
1,2-Dichlorobenzene	µg/L	10 U	510	100 U	100 U	1000 U
1,2-Dichloroethane	µg/L	1 U	100 U	10 U	10 U	500 U
1,2-Dichloropropane	µg/L	1 U	100 U	10 U	10 U	500 U
1,3-Dichlorobenzene	µg/L	10 U	91	100 U	100 U	1000 U
1,4-Dichlorobenzene	µg/L	10 U	70	100 U	100 U	1000 U
2-Hexanone	µg/L	10 U	1000 U	100 U	100 U	5000 U
Acetone	µg/L	10 U	1000 U	15000 U	15000 U	10000 U
Bromodichloromethane	µg/L	1 U	100 U	10 U	10 U	500 U
Bromoform	µg/L	5 U	500 U	50 U	50 U	2500 U
Bromomethane	µg/L	10 U	1000 U	100 U	100 U	5000 U
Carbon disulfide	µg/L	1 U	100 U	10 U	10 U	500 U
Carbon tetrachloride	µg/L	1 U	100 U	10 U	10 U	500 U
Chlorobenzene	µg/L	1 U	100 U	10 U	10 U	500 U
Chloroform	µg/L	1 U	100 U	61 J	61 J	500 U
Chloromethane	µg/L	10 U	1000 U	100 U	100 U	5000 U
cis-1,3-Dichloropropene	µg/L	1 U	100 U	10 U	10 U	500 U
Dibromochloromethane	µg/L	1 U	100 U	10 U	10 U	500 U
Dichloromethane	µg/L	5 U	500 U	12000	12000	11000 U
Methyl ethyl ketone	µg/L	10 U	1000 U	3700 J	3700 J	5000 U
Methyl iso butyl ketone	µg/L	10 U	1000 U	5800 J	5800 J	5000 U
trans-1,3-Dichloropropene	µg/L	1 U	100 U	10 U	10 U	500 U
Vinyl acetate	µg/L	10 U	1000 U	100 U	100 U	5000 U
Total Petroleum Hydrocarbons						
Diesel	µg/L			5000 U	5000 U	
Diesel #2	µg/L	1000 U	2000	5000 U	5000 U	5000 U
Gasoline	µg/L			120000	120000	
Gasoline Range Hydrocarbons	µg/L	1000 U	9000	120000	120000	100000
BTEX						
Benzene	µg/L	1 U	190	1300 J	1300 J	630
Toluene	µg/L	1 U	630	36000 J	36000 J	33000
Ethylbenzene	µg/L	1 U	650	1200 J	1200 J	500 U
Xylene (total)	µg/L	1 U	310	4200 J	4200 J	1100
Alkylated Benzenes						
Styrene	µg/L	1 U	100 U	650 J	650 J	500 U
Semivolatile Organic Compounds						
Benzo(a)anthracene	µg/L	10 U	25 U	100 U	100 U	1000 U
Benzo(a)pyrene	µg/L	10 U	25 U	100 U	100 U	1000 U

	Event	Hart Crowser's RI Event 1				
	Location	B-28	B-29	B-30	B-30	B-31
	SampleID	**B-28**	**B-29**	**B-30**	**B-30**	**B-31**
	Depth (bgs)	9 - 14 ft	9 - 14 ft	8 - 15 ft	8 - 15 ft	6.5 - 11.5 ft
	Sample Date	04/29/1992	05/06/1992	05/01/1992	05/04/1992	05/04/1992
Semivolatile Organic Compounds						
Benzo(g,h,i)perylene	µg/L	10 U	25 U	100 U	100 U	1000 U
Benzo(b)fluoranthene	µg/L	10 U	25 U	100 U	100 U	1000 U
Benzo(k)fluoranthene	µg/L	10 U	25 U	100 U	100 U	1000 U
Chrysene	µg/L	10 U	25 U	100 U	100 U	1000 U
Dibenzo(a,h)anthracene	µg/L	10 U	25 U	100 U	100 U	1000 U
Fluoranthene	µg/L	10 U	25 U	100 U	100 U	1000 U
Indeno(1,2,3-cd)pyrene	µg/L	10 U	25 U	100 U	100 U	1000 U
Pyrene	µg/L	10 U	25 U	100 U	100 U	1000 U
1-Methylnaphthalene	µg/L	10 U	25 U	100 U	100 U	1000 U
Acenaphthene	µg/L	10 U	25 U	100 U	100 U	1000 U
Acenaphthylene	µg/L	10 U	25 U	100 U	100 U	1000 U
Anthracene	µg/L	10 U	25 U	100 U	100 U	1000 U
Fluorene	µg/L	10 U	25 U	100 U	100 U	1000 U
Naphthalene	µg/L	10 U	25 U	100 U	100 U	1000 U
Phenanthrene	µg/L	10 U	25 U	100 U	100 U	1000 U
bis(2-ethylhexyl)phthalate	µg/L	10 U	25 U	100 U	100 U	1000 U
Di-n-butyl phthalate	µg/L	10 U	25 U	100 U	100 U	1000 U
Butyl benzyl phthalate	µg/L	10 U	25 U	100 U	100 U	1000 U
Diethylphthalate	µg/L	10 U	25 U	100 U	100 U	1000 U
Dimethyl phthalate	µg/L	10 U	25 U	100 U	100 U	1000 U
Di-n-octyl phthalate	µg/L	10 U	25 U	100 U	100 U	1000 U
Pentachlorophenol	µg/L	50 U	130 U	1600	2000	2300
Tetrachlorophenols (total)	µg/L	0.2 U	0.2 U	200 U	200 U	600
2,4-Dichlorophenol	µg/L	1 U	10 U	1000 U	1000 U	1000 U
2,4,5-Trichlorophenol	µg/L	0.4 U	25 U	400 U	400 U	5000 U
2,4,6-Trichlorophenol	µg/L	10 U	2 U	200 U	100 U	200 U
2-Chlorophenol	µg/L	10 U	25 U	100 U	100 U	1000 U
2,4-Dimethylphenol	µg/L	10 U	500	100 U	100 U	1000 U
2,4-Dinitrophenol	µg/L	50 U	130 U	500 U	500 U	5000 U
2,4-Dinitrotoluene	µg/L	10 U	25 U	100 U	100 U	1000 U
2,6-Dinitrotoluene	µg/L	10 U	25 U	100 U	100 U	1000 U
2-Chloronaphthalene	µg/L	10 U	130 U	100 U	100 U	1000 U
2-Methylphenol	µg/L	10 U	750	110	110	1000 U
2-Nitroaniline	µg/L	50 U	130 U	500 U	500 U	5000 U
2-Nitrophenol	µg/L	10 U	25 U	100 U	100 U	1000 U
3,3'-Dichlorobenzidine	µg/L	20 U	50 U	200 U	200 U	2000 U
2-Methylnaphthalene	µg/L	10 U	25 U	100 U	100 U	1000 U
3-Nitroaniline	µg/L	50 U	130 U	500 U	500 U	5000 U
4,6-Dinitro-o-cresol	µg/L	50 U	130 U	500 U	500 U	5000 U
4-Bromophenyl phenyl ether	µg/L	10 U	25 U	100 U	100 U	1000 U
4-Chloro-3-methylphenol	µg/L	10 U	25 U	100 U	100 U	1000 U
4-Chloroaniline	µg/L	10 U	25 U	100 U	100 U	1000 U
4-Chlorophenyl phenyl ether	µg/L	10 U	25 U	100 U	100 U	1000 U
4-Methylphenol	µg/L	10 U	540	190	190	1000 U
4-Nitroaniline	µg/L	50 U	130 U	500 U	500 U	5000 U
4-Nitrophenol	µg/L	50 U	130 U	500 U	500 U	5000 U
Aniline	µg/L	10 U	25 U	100 U	100 U	1000 U
Benzidine	µg/L	100 U	250 U	1000 U	1000 U	10000 U

	Event	Hart Crowser's RI Event 1				
	Location	B-28	B-29	B-30	B-30	B-31
	SampleID	**B-28**	**B-29**	**B-30**	**B-30**	**B-31**
	Depth (bgs)	9 - 14 ft	9 - 14 ft	8 - 15 ft	8 - 15 ft	6.5 - 11.5 ft
	Sample Date	04/29/1992	05/06/1992	05/01/1992	05/04/1992	05/04/1992
Semivolatile Organic Compounds						
Benzoic acid	µg/L	50 U	130 U	500 U	500 U	5000 U
Benzyl alcohol	µg/L	10 U	25 U	100 U	100 U	1000 U
bis(2-chloroethoxy)methane	µg/L	10 U	25 U	100 U	100 U	1000 U
bis(2-chloroethyl)ether	µg/L	10 U	25 U	100 U	100 U	1000 U
bis(2-chloroisopropyl)ether	µg/L	10 U	25 U	100 U	100 U	1000 U
Dibenzofuran	µg/L	10 U	25 U	100 U	100 U	1000 U
Hexachlorobenzene	µg/L	10 U	25 U	100 U	100 U	1000 U
Hexachlorobutadiene	µg/L	10 U	25 U	100 U	100 U	1000 U
Hexachlorocyclopentadiene	µg/L	10 U	25 U	100 U	100 U	1000 U
Hexachloroethane	µg/L	10 U	25 U	100 U	100 U	1000 U
Isophorone	µg/L	10 U	25 U	100 U	100 U	1000 U
Nitrobenzene	µg/L	10 U	25 U	100 U	100 U	1000 U
N-Nitrosodimethylamine	µg/L	10 U	25 U	100 U	100 U	1000 U
N-Nitroso-di-n-propylamine	µg/L	10 U	25 U	100 U	100 U	1000 U
N-Nitrosodiphenylamine	µg/L	10 U	25 U	100 U	100 U	1000 U
Phenol	µg/L	10 U	25 U	100 U	100 U	1000 U
Glycols & Alcohols						
Diethylene glycol	µg/L	5000 U		700 J	700 J	5000 U
Ethylene glycol	µg/L	5000 U		6700	6700	3900 J
Propylene glycol	µg/L	5000 U		5000 U	5000 U	5000 U
Ethanol	µg/L	2000 U	2000 U	9800	9800	2000 U
Methanol	µg/L	2000 U	2000 U	40000	40000	11000 J
1-Propanol	µg/L	2000 U	2000 U	2000 U	2000 U	2000 U
iso-Propanol	µg/L	2000 U	2000 U	8400	8400	2900 J
Dissolved Metals						
Aluminum	mg/L		0.05			
Arsenic	mg/L		0.005 U			
Barium	mg/L		0.08			
Cadmium	mg/L		0.0002 U			
Chromium	mg/L		0.005 U			
Copper	mg/L		0.005 U			
Lead	mg/L		0.0053			
Mercury	mg/L		0.0002 U			
Nickel	mg/L		0.01 U			
Zinc	mg/L		0.02			

	Event	Hart Crowser's Pre-RI UST Investigation				
	Location	B-01	B-05	B-05	B-06	B-06
	SampleID	**B-1**	**B-5**	**B-5**	**B-6**	**B-6**
	Depth (bgs)	6.5 - 16.5 ft	40 - 45 ft	40 - 45 ft	40.5 - 45.5 ft	40.5 - 45.5 ft
	Sample Date	10/15/1990	09/28/1990	10/15/1990	09/28/1990	10/15/1990
Volatile Organic Compounds						
Tetrachloroethene	µg/L	130	1 U	1 U	1 U	1 U
Trichloroethene	µg/L	120	45	3	1 U	1 U
1,2-Dichloroethene (total)	µg/L		19	19	18	18
cis-1,2-Dichloroethene	µg/L		19	19	18	18
trans-1,2-Dichloroethene	µg/L	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethene	µg/L	1 U	1 U	1 U	1 U	1 U
Vinyl chloride	µg/L		1 U	1 U	20	20
1,1,1-Trichloroethane	µg/L	36	1 U	1 U	1 U	1 U
1,1,2,2-Tetrachloroethane	µg/L	5 U	5 U	3 U	3 U	3 U
1,1,2-Trichloroethane	µg/L	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	µg/L	1 U	1 U	1 U	1 U	1 U
Chloroethane	µg/L		3 U	3 U	3 U	3 U
1,2-Dichloroethane	µg/L	5 U	1 U	1 U	1 U	1 U
1,2-Dichloropropane	µg/L	13	1 U	1 U	1 U	1 U
1,3-Dichloropropene	µg/L	5 U	5 U	5 U	5 U	5 U
2-Hexanone	µg/L		3 U	3 U	3 U	3 U
Acetone	µg/L		10	10	5 U	5 U
Bromodichloromethane	µg/L	5 U	1 U	1 U	1 U	1 U
Bromoform	µg/L	5 U	1 U	1 U	5 U	5 U
Bromomethane	µg/L		1 U	1 U	1 U	1 U
Carbon disulfide	µg/L		1 U	1 U	1 U	1 U
Carbon tetrachloride	µg/L	1 U	1 U	1 U	1 U	1 U
Chlorobenzene	µg/L	1 U	1 U	3 U	3 U	3 U
Chloroform	µg/L	1 U	1 U	1 U	1 U	3
Chloromethane	µg/L		1 U	1 U	1 U	1 U
cis-1,3-Dichloropropene	µg/L		3 U	3 U	3 U	3 U
Dibromochloromethane	µg/L	5 U	3 U	3 U	3 U	5 U
Dichloromethane	µg/L	1 U	1 U	1 U	1 U	1 U
Methyl ethyl ketone	µg/L		3 U	3 U	3 U	3 U
Methyl iso butyl ketone	µg/L		3 U	3 U	3 U	3 U
trans-1,3-Dichloropropene	µg/L		3 U	3 U	3 U	3 U
Trichlorofluoromethane	µg/L	1 U	1 U	1 U	3	3
Vinyl acetate	µg/L		1 U	1 U	1 U	1 U
Total Petroleum Hydrocarbons						
Diesel #2	µg/L	5000 U				
Fuel Oil #6	µg/L	5000 U				
Motor Oil	µg/L	5000 U				
Kerosene	µg/L	5000 U				
Light Hydrocarbons	µg/L	5000 U				
BTEX						
Benzene	µg/L	26	8	8	1 U	1 U
Toluene	µg/L	13	1 U	1 U	1 U	1 U
Ethylbenzene	µg/L	6	1 U	1 U	1 U	1 U
Xylene (total)	µg/L	15	1 U	1 U	1 U	1 U
Alkylated Benzenes						
Styrene	µg/L		1 U	1 U	1 U	1 U

	Event	Hart Crowser's Pre-RI UST Investigation				
	Location	B-07	B-08	B-08	B-09	B-09
	SampleID	**B-7**	**B-8**	**B-8**	**B-9**	**B-9**
	Depth (bgs)	15 - 19 ft	39.5 - 44.5 ft	39.5 - 44.5 ft	38.5 - 43.5 ft	38.5 - 43.5 ft
	Sample Date	10/08/1990	09/28/1990	10/15/1990	10/08/1990	10/15/1990
Volatile Organic Compounds						
Tetrachloroethene	µg/L	23000	15000	15000	200	200
Trichloroethene	µg/L	13000	5700	65000	25	1 U
1,2-Dichloroethene (total)	µg/L		490	490	48	48
cis-1,2-Dichloroethene	µg/L	1700	490	490	48	48
trans-1,2-Dichloroethene	µg/L	1 U	3	3	1 U	1 U
1,1-Dichloroethene	µg/L	1 U	1 U	4	1 U	1 U
Vinyl chloride	µg/L		10	10	51	51
1,1,1-Trichloroethane	µg/L	1 U	5	5	1 U	1 U
1,1,2,2-Tetrachloroethane	µg/L	5 U	5 U	3 U	3 U	5 U
1,1,2-Trichloroethane	µg/L	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	µg/L	1 U	2500	4	1 U	1 U
Chloroethane	µg/L		3 U	3 U	3 U	51
1,2-Dichloroethane	µg/L	5 U	1 U	1 U	22	78
1,2-Dichloropropane	µg/L	1 U	1 U	1 U	1 U	1 U
1,3-Dichloropropene	µg/L	5 U	5 U	5 U	5 U	5 U
2-Hexanone	µg/L		3 U	3 U	3 U	3 U
Acetone	µg/L		33	33	5 U	5 U
Bromodichloromethane	µg/L	5 U	5 U	5 U	1 U	1 U
Bromoform	µg/L	5 U	1 U	5 U	1 U	1 U
Bromomethane	µg/L		1 U	1 U	1 U	1 U
Carbon disulfide	µg/L		1 U	1 U	1 U	1 U
Carbon tetrachloride	µg/L	1 U	1 U	1 U	1 U	1 U
Chlorobenzene	µg/L	1 U	3 U	3 U	3 U	1 U
Chloroform	µg/L	13000	1 U	1 U	1 U	1 U
Chloromethane	µg/L		1 U	1 U	1 U	1 U
cis-1,3-Dichloropropene	µg/L		3 U	3 U	3 U	3 U
Dibromochloromethane	µg/L	5 U	3 U	5 U	5 U	5 U
Dichloromethane	µg/L	1 U	4	43000	1 U	1 U
Methyl ethyl ketone	µg/L		6	6	3 U	3 U
Methyl iso butyl ketone	µg/L		3 U	3 U	3 U	3 U
trans-1,3-Dichloropropene	µg/L		3 U	3 U	3 U	3 U
Trichlorofluoromethane	µg/L	1 U	1 U	1 U	72	72
Vinyl acetate	µg/L		1 U	1 U	1 U	1 U
Total Petroleum Hydrocarbons						
Diesel #2	µg/L	5 U			5 U	5 U
Fuel Oil #6	µg/L	5 U			5 U	5 U
Motor Oil	µg/L	5 U			5 U	5 U
Kerosene	µg/L	5 U			5 U	5 U
Light Hydrocarbons	µg/L	270			5 U	5 U
BTEX						
Benzene	µg/L	1 U	890	21	1 U	1 U
Toluene	µg/L	21000	300	300	1 U	1 U
Ethylbenzene	µg/L	4500	160	160	1 U	1 U
Xylene (total)	µg/L	14000	4300	170	1 U	1 U
Alkylated Benzenes						
Styrene	µg/L		1 U	1 U	1 U	1 U

	Event	**Hart Crowser's Pre-RI UST Investigation**				
	Location	B-10	B-10	B-10A	B-11	B-11
	SampleID	**B-10**	**B-10**	**B-10A**	**B-11**	**B-11**
	Depth (bgs)	-	-	9.5 - 14.5 ft	11 - 13 ft	11 - 13 ft
	Sample Date	10/08/1990	10/15/1990	10/15/1990	10/08/1990	10/15/1990
Volatile Organic Compounds						
Tetrachloroethene	µg/L	7800	7800	5100	37000	37000
Trichloroethene	µg/L	880	1300	880	3200	34000
1,2-Dichloroethene (total)	µg/L	6300	6300	6300		
cis-1,2-Dichloroethene	µg/L	38	38	6300	24000	24000
trans-1,2-Dichloroethene	µg/L	1 U	1 U	50 U	1 U	1 U
1,1-Dichloroethene	µg/L	1 U	50 U	50 U	1 U	1 U
Vinyl chloride	µg/L	170	170	170		
1,1,1-Trichloroethane	µg/L	1 U	50 U	50 U	1 U	1 U
1,1,2,2-Tetrachloroethane	µg/L	5 U	5 U	150 U	5 U	5 U
1,1,2-Trichloroethane	µg/L	50 U	1 U	50 U	1 U	1 U
1,1-Dichloroethane	µg/L	50 U	1 U	50 U	1 U	1 U
Chloroethane	µg/L	150 U	150 U	150 U		
1,2-Dichloroethane	µg/L	300	5 U	300	5 U	5 U
1,2-Dichloropropane	µg/L	1 U	50 U	50 U	1 U	1 U
1,3-Dichloropropene	µg/L	5 U	5 U		5 U	5 U
2-Hexanone	µg/L	150 U	150 U	150 U		
Acetone	µg/L	250 U	250 U	250 U		
Bromodichloromethane	µg/L	5 U	50 U	50 U	5 U	5 U
Bromoform	µg/L	50 U	5 U	50 U	5 U	5 U
Bromomethane	µg/L	50 U	50 U	50 U		
Carbon disulfide	µg/L	50 U	50 U	50 U		
Carbon tetrachloride	µg/L	50 U	50 U	50 U	1 U	1 U
Chlorobenzene	µg/L	150 U	1 U	150 U	1 U	1 U
Chloroform	µg/L	50 U	50 U	50 U	1 U	1 U
Chloromethane	µg/L	50 U	50 U	50 U		
cis-1,3-Dichloropropene	µg/L	150 U	150 U	150 U		
Dibromochloromethane	µg/L	5 U	5 U	150 U	5 U	5 U
Dichloromethane	µg/L	50 U	1 U	50 U	1 U	1 U
Methyl ethyl ketone	µg/L	150 U	150 U	150 U		
Methyl iso butyl ketone	µg/L	150 U	150 U	150 U		
trans-1,3-Dichloropropene	µg/L	150 U	150 U	150 U		
Trichlorofluoromethane	µg/L	1 U	1 U		1 U	1 U
Vinyl acetate	µg/L	50 U	50 U	50 U		
Total Petroleum Hydrocarbons						
Diesel #2	µg/L	5 U	5 U		5 U	5 U
Fuel Oil #6	µg/L	5 U	5 U		5 U	5000 U
Motor Oil	µg/L	5 U	5 U		5 U	5 U
Kerosene	µg/L	5 U	5 U		5000 U	5 U
Light Hydrocarbons	µg/L	5 U	5 U		17000	5 U
BTEX						
Benzene	µg/L	50 U	50 U	50 U	1 U	1 U
Toluene	µg/L	1800	1800	1800	2600	4600
Ethylbenzene	µg/L	830	830	830	65	65
Xylene (total)	µg/L	5600	5600	5600	140	280
Alkylated Benzenes						
Styrene	µg/L	50 U	50 U	50 U		

	Event	Hart Crowser's Pre-RI UST Investigation				
	Location	B-12	B-12	B-13	B-14	B-16
	SampleID	**B-12**	**B-12**	**B-13**	**B-14**	**B-16**
	Depth (bgs)	10.5 - 13 ft	10.5 - 13 ft	7 - 12 ft	8.5 - 13.5 ft	11 - 16 ft
	Sample Date	10/08/1990	10/15/1990	10/15/1990	10/15/1990	09/04/1991
Volatile Organic Compounds						
Tetrachloroethene	µg/L	95000	95000	9000	500	3400
Trichloroethene	µg/L	28000	28000	1 U	130	2400
1,2-Dichloroethene (total)	µg/L				440	42000
cis-1,2-Dichloroethene	µg/L	41000	41000		440	
trans-1,2-Dichloroethene	µg/L	1 U	1 U	1 U	10 U	
1,1-Dichloroethene	µg/L	1 U	1 U	1 U	10 U	48
Vinyl chloride	µg/L				10 U	880
1,1,1-Trichloroethane	µg/L	1 U	1 U	1 U	19	290
1,1,2,2-Tetrachloroethane	µg/L	5 U	5 U	5 U	30 U	1 U
1,1,2-Trichloroethane	µg/L	1 U	1 U	1 U	10 U	1 U
1,1-Dichloroethane	µg/L	1 U	1 U	1 U	10 U	160
Chloroethane	µg/L				30 U	1 U
1,2,4-Trichlorobenzene	µg/L					10 U
1,2-Dichlorobenzene	µg/L					22
1,2-Dichloroethane	µg/L	5 U	5 U	5 U	10 U	1 U
1,2-Dichloropropane	µg/L	1 U	1 U	1 U	10 U	1 U
1,3-Dichlorobenzene	µg/L					10 U
1,3-Dichloropropene	µg/L	5 U	5 U	5 U		
1,4-Dichlorobenzene	µg/L					10 U
2-Hexanone	µg/L				30 U	10 U
Acetone	µg/L				68	20 U
Bromodichloromethane	µg/L	5 U	5 U	5 U	10 U	1 U
Bromoform	µg/L	5 U	5 U	5 U	10 U	5 U
Bromomethane	µg/L				10 U	10 U
Carbon disulfide	µg/L				10 U	1 U
Carbon tetrachloride	µg/L	1 U	1 U	1 U	10 U	1 U
Chlorobenzene	µg/L	1 U	1 U	1 U	30 U	1 U
Chloroform	µg/L	1 U	1 U	1 U	10 U	1 U
Chloromethane	µg/L				10 U	10 U
cis-1,3-Dichloropropene	µg/L				30 U	1 U
Dibromochloromethane	µg/L	5 U	5 U	5 U	30 U	1 U
Dichloromethane	µg/L	1 U	1 U	1 U	10 U	7 U
Methyl ethyl ketone	µg/L				30 U	10 U
Methyl iso butyl ketone	µg/L				30 U	10 U
trans-1,3-Dichloropropene	µg/L				30 U	1 U
Trichlorofluoromethane	µg/L	1 U	1 U	1 U		
Vinyl acetate	µg/L				10 U	10 U
Total Petroleum Hydrocarbons						
Diesel #2	µg/L	5000 U	5 U	5000 U		
Fuel Oil #6	µg/L	5 U	5 U	5000 U		
Motor Oil	µg/L	5000 U	5 U	5000 U		
Kerosene	µg/L	5 U	5 U	5000 U		
Light Hydrocarbons	µg/L	230000	75	5000 U		
BTEX						
Benzene	µg/L	1 U	1 U	1 U	10 U	17
Toluene	µg/L	220	220	1 U	10 U	90
Ethylbenzene	µg/L	1 U	390	1 U	10 U	970
Xylene (total)	µg/L	1000	1 U	1 U	10 U	220

	Event	Hart Crowser's Pre-RI UST Investigation				
	Location	B-12	B-12	B-13	B-14	B-16
	SampleID	**B-12**	**B-12**	**B-13**	**B-14**	**B-16**
	Depth (bgs)	10.5 - 13 ft	10.5 - 13 ft	7 - 12 ft	8.5 - 13.5 ft	11 - 16 ft
	Sample Date	10/08/1990	10/15/1990	10/15/1990	10/15/1990	09/04/1991
Alkylated Benzenes						
Styrene	µg/L				10 U	1 U
Semivolatile Organic Compounds						
Benzo(a)anthracene	µg/L					10 U
Benzo(a)pyrene	µg/L					10 U
Benzo(g,h,i)perylene	µg/L					10 U
Benzo(b)fluoranthene	µg/L					10 U
Benzo(k)fluoranthene	µg/L					10 U
Chrysene	µg/L					10 U
Dibenzo(a,h)anthracene	µg/L					10 U
Fluoranthene	µg/L					10 U
Indeno(1,2,3-cd)pyrene	µg/L					10 U
Pyrene	µg/L					10 U
Acenaphthene	µg/L					10 U
Acenaphthylene	µg/L					10 U
Anthracene	µg/L					10 U
Fluorene	µg/L					10 U
Naphthalene	µg/L					10 U
Phenanthrene	µg/L					10 U
bis(2-ethylhexyl)phthalate	µg/L					10 U
Di-n-butyl phthalate	µg/L					10 U
Butyl benzyl phthalate	µg/L					10 U
Diethylphthalate	µg/L					10 U
Dimethyl phthalate	µg/L					10 U
Di-n-octyl phthalate	µg/L					10 U
Pentachlorophenol	µg/L					62
2,4-Dichlorophenol	µg/L					10 U
2,4,5-Trichlorophenol	µg/L					50 U
2,4,6-Trichlorophenol	µg/L					10 U
2-Chlorophenol	µg/L					10 U
2,4-Dimethylphenol	µg/L					45
2,4-Dinitrophenol	µg/L					50 U
2,4-Dinitrotoluene	µg/L					10 U
2,6-Dinitrotoluene	µg/L					10 U
2-Chloronaphthalene	µg/L					10 U
2-Methylphenol	µg/L					27
2-Nitroaniline	µg/L					50 U
2-Nitrophenol	µg/L					50 U
3,3'-Dichlorobenzidine	µg/L					20 U
2-Methylnaphthalene	µg/L					10 U
3-Nitroaniline	µg/L					50 U
4,6-Dinitro-o-cresol	µg/L					50 U
4-Bromophenyl phenyl ether	µg/L					10 U
4-Chloro-3-methylphenol	µg/L					10 U
4-Chloroaniline	µg/L					10 U
4-Chlorophenyl phenyl ether	µg/L					10 U
4-Methylphenol	µg/L					94
4-Nitroaniline	µg/L					50 U
4-Nitrophenol	µg/L					50 U

	Event	Hart Crowser's Pre-RI UST Investigation				
	Location	B-12	B-12	B-13	B-14	B-16
	SampleID	**B-12**	**B-12**	**B-13**	**B-14**	**B-16**
	Depth (bgs)	10.5 - 13 ft	10.5 - 13 ft	7 - 12 ft	8.5 - 13.5 ft	11 - 16 ft
	Sample Date	10/08/1990	10/15/1990	10/15/1990	10/15/1990	09/04/1991
Semivolatile Organic Compounds						
Aniline	µg/L					10 U
Benzidine	µg/L					100 U
Benzoic acid	µg/L					50 U
Benzyl alcohol	µg/L					10 U
bis(2-chloroethoxy)methane	µg/L					10 U
bis(2-chloroethyl)ether	µg/L					10 U
bis(2-chloroisopropyl)ether	µg/L					10 U
Dibenzofuran	µg/L					10 U
Hexachlorobenzene	µg/L					10 U
Hexachlorobutadiene	µg/L					10 U
Hexachlorocyclopentadiene	µg/L					10 U
Hexachloroethane	µg/L					10 U
Isophorone	µg/L					10 U
Nitrobenzene	µg/L					10 U
N-Nitrosodimethylamine	µg/L					10 U
N-Nitroso-di-n-propylamine	µg/L					10 U
N-Nitrosodiphenylamine	µg/L					10 U
Phenol	µg/L					10 U

	Event	Hart Crowser's Pre-RI UST Investigation				
	Location	B-17				
	SampleID	**B-17**				
	Depth (bgs)	40 - 50 ft				
	Sample Date	09/04/1991				
Volatile Organic Compounds						
Tetrachloroethene	µg/L	1 U				
Trichloroethene	µg/L	1 U				
1,2-Dichloroethene (total)	µg/L	26				
1,1-Dichloroethene	µg/L	1 U				
Vinyl chloride	µg/L	16				
1,1,1-Trichloroethane	µg/L	1 U				
1,1,2,2-Tetrachloroethane	µg/L	1 U				
1,1,2-Trichloroethane	µg/L	1 U				
1,1-Dichloroethane	µg/L	1 U				
Chloroethane	µg/L	1 U				
1,2,4-Trichlorobenzene	µg/L	10 U				
1,2-Dichlorobenzene	µg/L	10 U				
1,2-Dichloroethane	µg/L	1 U				
1,2-Dichloropropane	µg/L	1 U				
1,3-Dichlorobenzene	µg/L	10 U				
1,4-Dichlorobenzene	µg/L	10 U				
2-Hexanone	µg/L	10 U				
Acetone	µg/L	10 U				
Bromodichloromethane	µg/L	1 U				
Bromoform	µg/L	5 U				
Bromomethane	µg/L	10 U				
Carbon disulfide	µg/L	1 U				
Carbon tetrachloride	µg/L	1 U				
Chlorobenzene	µg/L	1 U				
Chloroform	µg/L	1 U				
Chloromethane	µg/L	10 U				
cis-1,3-Dichloropropene	µg/L	1 U				
Dibromochloromethane	µg/L	1 U				
Dichloromethane	µg/L	6 U				
Methyl ethyl ketone	µg/L	10 U				
Methyl iso butyl ketone	µg/L	10 U				
trans-1,3-Dichloropropene	µg/L	1 U				
Vinyl acetate	µg/L	10 U				
BTEX						
Benzene	µg/L	8				
Toluene	µg/L	13				
Ethylbenzene	µg/L	2				
Xylene (total)	µg/L	4				
Alkylated Benzenes						
Styrene	µg/L	1 U				
Semivolatile Organic Compounds						
Benzo(a)anthracene	µg/L	10 U				
Benzo(a)pyrene	µg/L	10 U				
Benzo(g,h,i)perylene	µg/L	10 U				
Benzo(b)fluoranthene	µg/L	10 U				
Benzo(k)fluoranthene	µg/L	10 U				
Chrysene	µg/L	10 U				
Dibenzo(a,h)anthracene	µg/L	10 U				

	Event	Hart Crowser's Pre-RI UST Investigation				
	Location	B-17				
	SampleID	**B-17**				
	Depth (bgs)	40 - 50 ft				
	Sample Date	09/04/1991				
Semivolatile Organic Compounds						
Fluoranthene	µg/L	10 U				
Indeno(1,2,3-cd)pyrene	µg/L	10 U				
Pyrene	µg/L	10 U				
Acenaphthene	µg/L	10 U				
Acenaphthylene	µg/L	10 U				
Anthracene	µg/L	10 U				
Fluorene	µg/L	10 U				
Naphthalene	µg/L	10 U				
Phenanthrene	µg/L	10 U				
bis(2-ethylhexyl)phthalate	µg/L	8.5 J				
Di-n-butyl phthalate	µg/L	10 U				
Butyl benzyl phthalate	µg/L	10 U				
Diethylphthalate	µg/L	10 U				
Dimethyl phthalate	µg/L	10 U				
Di-n-octyl phthalate	µg/L	10 U				
Pentachlorophenol	µg/L	50 U				
2,4-Dichlorophenol	µg/L	10 U				
2,4,5-Trichlorophenol	µg/L	50 U				
2,4,6-Trichlorophenol	µg/L	10 U				
2-Chlorophenol	µg/L	10 U				
2,4-Dimethylphenol	µg/L	10 U				
2,4-Dinitrophenol	µg/L	50 U				
2,4-Dinitrotoluene	µg/L	10 U				
2,6-Dinitrotoluene	µg/L	10 U				
2-Chloronaphthalene	µg/L	10 U				
2-Methylphenol	µg/L	10 U				
2-Nitroaniline	µg/L	50 U				
2-Nitrophenol	µg/L	50 U				
3,3'-Dichlorobenzidine	µg/L	20 U				
2-Methylnaphthalene	µg/L	10 U				
3-Nitroaniline	µg/L	50 U				
4,6-Dinitro-o-cresol	µg/L	50 U				
4-Bromophenyl phenyl ether	µg/L	10 U				
4-Chloro-3-methylphenol	µg/L	10 U				
4-Chloroaniline	µg/L	10 U				
4-Chlorophenyl phenyl ether	µg/L	10 U				
4-Methylphenol	µg/L	10 U				
4-Nitroaniline	µg/L	50 U				
4-Nitrophenol	µg/L	50 U				
Aniline	µg/L	10 U				
Benzidine	µg/L	100 U				
Benzoic acid	µg/L	50 U				
Benzyl alcohol	µg/L	10 U				
bis(2-chloroethoxy)methane	µg/L	10 U				
bis(2-chloroethyl)ether	µg/L	10 U				
bis(2-chloroisopropyl)ether	µg/L	10 U				
Dibenzofuran	µg/L	10 U				
Hexachlorobenzene	µg/L	10 U				

	Event	Hart Crowser's Pre-RI UST Investigation				
	Location	B-17				
	SampleID	**B-17**				
	Depth (bgs)	40 - 50 ft				
	Sample Date	09/04/1991				
Semivolatile Organic Compounds						
Hexachlorobutadiene	µg/L	10 U				
Hexachlorocyclopentadiene	µg/L	10 U				
Hexachloroethane	µg/L	10 U				
Isophorone	µg/L	10 U				
Nitrobenzene	µg/L	10 U				
N-Nitrosodimethylamine	µg/L	10 U				
N-Nitroso-di-n-propylamine	µg/L	10 U				
N-Nitrosodiphenylamine	µg/L	10 U				
Phenol	µg/L	10 U				

Table F.3
Chemistry Data for Seep Samples

	Event	**Fox-Ave ERD Performance Monitoring Q2 (June - August 2009)**				
	Location	S-1	S-2	S-13	S-16	
	SampleID	**Seep 2**	**Seep 1**	**Seep 3**	**Seep 4**	
	Depth (bgs)	0 ft	0 ft	0 ft	0 ft	
	Sample Date	06/23/2009	06/23/2009	06/23/2009	06/23/2009	
Volatile Organic Compounds						
Tetrachloroethene	µg/L	1 U	1 U	1 U	55	
Trichloroethene	µg/L	1 U	1 U	1 U	30	
cis-1,2-Dichloroethene	µg/L	1 U	14	1800	96	
trans-1,2-Dichloroethene	µg/L	1 U	1 U	7	1 U	
1,1-Dichloroethene	µg/L	1 U	1 U	4.85	1 U	
Vinyl chloride	µg/L	0.2 U	0.2 U	1400	0.2 U	
1,1,1,2-Tetrachloroethane	µg/L	1 U	1 U	1 U	1 U	
1,1,1-Trichloroethane	µg/L	1 U	1 U	1 U	1 U	
1,1,2,2-Tetrachloroethane	µg/L	1 U	1 U	1 U	1 U	
1,1,2-Trichloroethane	µg/L	1 U	1 U	1 U	1 U	
1,1-Dichloroethane	µg/L	1 U	1 U	16	1 U	
Chloroethane	µg/L	1 U	1 U	1.9	1 U	
1,1-Dichloropropene	µg/L	1 U	1 U	1 U	1 U	
1,2,3-Trichlorobenzene	µg/L	4 U	4 U	4 U	4 U	
1,2,3-Trichloropropane	µg/L	1 U	1 U	1 U	1 U	
1,2,4-Trichlorobenzene	µg/L	2 U	2 U	2 U	2 U	
1,2-Dibromo-3-chloropropane	µg/L	1 U	1 U	1 U	1 U	
1,2-Dichlorobenzene	µg/L	1 U	1 U	1 U	1 U	
1,2-Dichloroethane	µg/L	1 U	1 U	1 U	1 U	
1,2-Dichloropropane	µg/L	1 U	1 U	1 U	1 U	
1,3-Dichlorobenzene	µg/L	1 U	1 U	1 U	1 U	
1,3-Dichloropropane	µg/L	1 U	1 U	1 U	1 U	
1,4-Dichlorobenzene	µg/L	1 U	1 U	1 U	1 U	
2,2-Dichloropropane	µg/L	2 U	2 U	2 U	2 U	
2-Chlorotoluene	µg/L	1 U	1 U	1 U	1 U	
4-Chlorotoluene	µg/L	1 U	1 U	1 U	1 U	
Bromodichloromethane	µg/L	1 U	1 U	1 U	1 U	
Carbon tetrachloride	µg/L	1 U	1 U	1 U	1 U	
Chlorobenzene	µg/L	1 U	1 U	5.2	1 U	
Chloroform	µg/L	1 U	1 U	1 U	1 U	
Chloromethane	µg/L	1 U	1 U	1 U	1 U	
cis-1,3-Dichloropropene	µg/L	1 U	1 U	1 U	1 U	
Dibromochloromethane	µg/L	1 U	1 U	1 U	1 U	
Dichlorodifluoromethane	µg/L	1 U	1 U	1 U	1 U	
Dichloromethane	µg/L	1 U	1 U	1 U	1 U	
trans-1,3-Dichloropropene	µg/L	1 U	1 U	1 U	1 U	
Trichlorofluoromethane	µg/L	1 U	1 U	1 U	1 U	
BTEX						
Benzene	µg/L	1 U	1 U	8.4	1 U	
Toluene	µg/L	1 U	1 U	1 U	1 U	
Ethylbenzene	µg/L	1 U	1 U	1 U	1 U	
Xylene (total)	µg/L	1 U	1 U	1 U	1 U	
Semivolatile Organic Compounds						
Hexachlorobutadiene	µg/L	4 U	4 U	4 U	4 U	

	Event	Annual Monitoring of GWC wells (1999)				
	Location	S-1	S-1	S-2	S-3	S-6
	SampleID	**S-1**	**S-8 (S-1 DUP)**	**S-2**	**S-3**	**S-6**
	Depth (bgs)	0 ft	0 ft	0 ft	0 ft	0 ft
	Sample Date	10/29/1999	10/29/1999	10/29/1999	10/29/1999	10/29/1999
Volatile Organic Compounds						
Tetrachloroethene	µg/L	3.7	3.7	190	1 U	1 U
Trichloroethene	µg/L	1.8	2.4	270	1 U	1 U
cis-1,2-Dichloroethene	µg/L	6	5.2	100	1 U	1 U
trans-1,2-Dichloroethene	µg/L	1 U	1 U	12	1 U	1 U
1,1-Dichloroethene	µg/L	1 U	1 U	2 U	1 U	1 U
Vinyl chloride	µg/L	1 U	1 U	2 U	1 U	1 U
1,1,1,2-Tetrachloroethane	µg/L	1 U	1 U	2 U	1 U	1 U
1,1,1-Trichloroethane	µg/L	1 U	1 U	2 U	1 U	1 U
1,1,2,2-Tetrachloroethane	µg/L	1 U	1 U	2 U	1 U	1 U
1,1,2-Trichloroethane	µg/L	1 U	1 U	2 U	1 U	1 U
1,1-Dichloroethane	µg/L	1 U	1 U	2 U	1 U	1 U
Chloroethane	µg/L	1 U	1 U	2 U	1 U	1 U
1,1-Dichloropropene	µg/L	1 U	1 U	2 U	1 U	1 U
1,2,3-Trichlorobenzene	µg/L	1 U	1 U	2 U	1 U	1 U
1,2,3-Trichloropropane	µg/L	1 U	1 U	2 U	1 U	1 U
1,2,4-Trichlorobenzene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	1 U
1,2-Dibromo-3-chloropropane	µg/L	5 U	5 U	10 U	5 U	5 U
1,2-Dibromoethane	µg/L	1 U	1 U	2 U	1 U	1 U
1,2-Dichlorobenzene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	1 U
1,2-Dichloroethane	µg/L	1 U	1 U	2 U	1 U	1 U
1,2-Dichloropropane	µg/L	1 U	1 U	2 U	1 U	1 U
1,3-Dichlorobenzene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	1 U
1,3-Dichloropropane	µg/L	1 U	1 U	2 U	1 U	1 U
1,4-Dichlorobenzene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	1 U
2,2-Dichloropropane	µg/L	1 U	1 U	2 U	1 U	1 U
2-Chloroethyl vinyl ether	µg/L	5 U	5 U	10 U	5 U	5 U
2-Chlorotoluene	µg/L	1 U	1 U	2 U	1 U	1 U
4-Chlorotoluene	µg/L	1 U	1 U	2 U	1 U	1 U
Acetone	µg/L	5 UB	5 UB	10 UB	5 UB	5 UB
Bromobenzene	µg/L	1 U	1 U	2 U	1 U	1 U
Bromodichloromethane	µg/L	1 U	1 U	2 U	1 U	1 U
Bromoform	µg/L	1 U	1 U	2 U	1 U	1 U
Bromomethane	µg/L	1 U	1 U	2 U	1 U	1 U
Carbon disulfide	µg/L	1 U	1 U	2 U	1 U	1 U
Carbon tetrachloride	µg/L	1 U	1 U	2 U	1 U	1 U
Chlorobenzene	µg/L	1 U	1 U	2 U	1 U	1 U
Chloroform	µg/L	1 U	1 U	2 U	1 U	1 U
Chloromethane	µg/L	1 U	1 U	2 U	1 U	1 U
cis-1,3-Dichloropropene	µg/L	1 U	1 U	2 U	1 U	1 U
Dibromochloromethane	µg/L	1 U	1 U	2 U	1 U	1 U
Dibromomethane	µg/L	1 U	1 U	2 U	1 U	1 U
Dichlorodifluoromethane	µg/L	1 U	1 U	2 U	1 U	1 U
Dichloromethane	µg/L	5 U	5 U	10 U	5 U	5 U
Methyl ethyl ketone	µg/L	20 U	20 U	40 U	20 U	20 U
Methyl iso butyl ketone	µg/L	5 U	5 U	10 U	5 U	5 U
trans-1,3-Dichloropropene	µg/L	1 U	1 U	2 U	1 U	1 U
Trichlorofluoromethane	µg/L	1 U	1 U	2 U	1 U	1 U
Vinyl acetate	µg/L	5 U	5 U	10 U	5 U	5 U

	Event	Annual Monitoring of GWC wells (1999)				
	Location	S-1	S-1	S-2	S-3	S-6
	SampleID	**S-1**	**S-8 (S-1 DUP)**	**S-2**	**S-3**	**S-6**
	Depth (bgs)	0 ft	0 ft	0 ft	0 ft	0 ft
	Sample Date	10/29/1999	10/29/1999	10/29/1999	10/29/1999	10/29/1999
BTEX						
Benzene	µg/L	1 U	1 U	2 U	1 U	1 U
Toluene	µg/L	1 U	1 U	2 U	1 U	1 U
Ethylbenzene	µg/L	1 U	1 U	2 U	1 U	1 U
Xylene (meta & para)	µg/L	2 U	2 U	4 U	2 U	2 U
Xylene (ortho)	µg/L	1 U	1 U	2 U	1 U	1 U
Xylene (total)	µg/L	2 U	2 U	4 U	2 U	2 U
Alkylated Benzenes						
1,3,5-Trimethylbenzene	µg/L	1 U	1 U	2 U	1 U	1 U
n-Propylbenzene	µg/L	1 U	1 U	2 U	1 U	1 U
1,2,4-Trimethylbenzene	µg/L	1 U	1 U	2 U	1 U	1 U
iso-Propylbenzene	µg/L	1 U	1 U	2 U	1 U	1 U
iso-Propyltoluene	µg/L	1 U	1 U	2 U	1 U	1 U
n-Butylbenzene	µg/L	1 U	1 U	2 U	1 U	1 U
sec-Butylbenzene	µg/L	1 U	1 U	2 U	1 U	1 U
Styrene	µg/L	1 U	1 U	2 U	1 U	1 U
tert-Butylbenzene	µg/L	1 U	1 U	2 U	1 U	1 U
Semivolatile Organic Compounds						
Benzo(a)anthracene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Benzo(a)pyrene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Benzo(g,h,i)perylene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Benzo(b)fluoranthene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Benzo(k)fluoranthene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chrysene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Dibenzo(a,h)anthracene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Fluoranthene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Indeno(1,2,3-cd)pyrene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Pyrene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Acenaphthene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Acenaphthylene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Anthracene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Fluorene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Naphthalene	µg/L	0.5 UB	0.5 UB	2 U	0.5 UB	0.5 UB
Phenanthrene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
bis(2-ethylhexyl)phthalate	µg/L	0.8 UB	0.5 UB	0.5 UB	4.4 UB	0.5 UB
Di-n-butyl phthalate	µg/L	0.5 UB	0.5 UB	0.5 UB	0.5 UB	0.5 UB
Butyl benzyl phthalate	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Diethylphthalate	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Dimethyl phthalate	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Di-n-octyl phthalate	µg/L	5 U	5 U	5 U	5 U	5 U
Pentachlorophenol	µg/L	0.5 U	5 U	5 U	5 U	5 U
2,4-Dichlorophenol	µg/L	5 U	5 U	5 U	5 U	5 U
2,4,5-Trichlorophenol	µg/L	5 U	5 U	5 U	5 U	5 U
2,4,6-Trichlorophenol	µg/L	5 U	5 U	5 U	5 U	5 U
2-Chlorophenol	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
2,4-Dimethylphenol	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
2,4-Dinitrophenol	µg/L	5 U	5 U	5 U	5 U	5 U
2,4-Dinitrotoluene	µg/L	5 U	5 U	5 U	5 U	5 U
2,6-Dinitrotoluene	µg/L	5 U	5 U	5 U	5 U	5 U

	Event	Annual Monitoring of GWC wells (1999)				
	Location	S-1	S-1	S-2	S-3	S-6
	SampleID	**S-1**	**S-8 (S-1 DUP)**	**S-2**	**S-3**	**S-6**
	Depth (bgs)	0 ft	0 ft	0 ft	0 ft	0 ft
	Sample Date	10/29/1999	10/29/1999	10/29/1999	10/29/1999	10/29/1999
Semivolatile Organic Compounds						
2-Chloronaphthalene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
2-Methylphenol	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
2-Nitroaniline	µg/L	5 U	5 U	5 U	5 U	5 U
2-Nitrophenol	µg/L	5 U	5 U	5 U	5 U	5 U
3,3'-Dichlorobenzidine	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
2-Methylnaphthalene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
3-Nitroaniline	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
4,6-Dinitro-o-cresol	µg/L	5 U	5 U	5 U	5 U	5 U
4-Bromophenyl phenyl ether	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
4-Chloro-3-methylphenol	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
4-Chloroaniline	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
4-Chlorophenyl phenyl ether	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
4-Methylphenol	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
4-Nitroaniline	µg/L	5 U	5 U	5 U	5 U	5 U
4-Nitrophenol	µg/L	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ
Aniline	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Benzidine	µg/L	13 U	13 U	13 U	13 U	13 U
Benzoic acid	µg/L	13 U	13 U	13 U	13 U	13 U
Benzyl alcohol	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
bis(2-chloroethoxy)methane	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
bis(2-chloroethyl)ether	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
bis(2-chloroisopropyl)ether	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Carbazole	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Dibenzofuran	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Hexachlorobenzene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Hexachlorobutadiene	µg/L	0.5 U	0.5 U	2 U	0.5 U	0.5 U
Hexachlorocyclopentadiene	µg/L	5 U	5 U	5 U	5 U	5 U
Hexachloroethane	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Isophorone	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Nitrobenzene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
N-Nitroso-di-n-propylamine	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
N-Nitrosodiphenylamine	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Phenol	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U

	Event	Annual Monitoring of GWC wells (1999)				
	Location	S-13	S-13			
	SampleID	**S-13**	**S-13**			
	Depth (bgs)	0 ft	0 ft			
	Sample Date	10/29/1999	11/22/1999			
Volatile Organic Compounds						
Tetrachloroethene	µg/L	20 U	20 U			
Trichloroethene	µg/L	20 U	20 U			
cis-1,2-Dichloroethene	µg/L	3200	3200			
trans-1,2-Dichloroethene	µg/L	27	27			
1,1-Dichloroethene	µg/L	20 U	20 U			
Vinyl chloride	µg/L	3500	3500			
1,1,1,2-Tetrachloroethane	µg/L	20 U	20 U			
1,1,1-Trichloroethane	µg/L	20 U	20 U			
1,1,2,2-Tetrachloroethane	µg/L	20 U	20 U			
1,1,2-Trichloroethane	µg/L	20 U	20 U			
1,1-Dichloroethane	µg/L	58	58			
Chloroethane	µg/L	20 U	20 U			
1,1-Dichloropropene	µg/L	20 U	20 U			
1,2,3-Trichlorobenzene	µg/L	20 U	20 U			
1,2,3-Trichloropropane	µg/L	20 U	20 U			
1,2,4-Trichlorobenzene	µg/L	0.5 U	0.5 U			
1,2-Dibromo-3-chloropropane	µg/L	100 U	100 U			
1,2-Dibromoethane	µg/L	20 U	20 U			
1,2-Dichlorobenzene	µg/L	1	1			
1,2-Dichloroethane	µg/L	20 U	20 U			
1,2-Dichloropropane	µg/L	20 U	20 U			
1,3-Dichlorobenzene	µg/L	0.5 U	0.5 U			
1,3-Dichloropropane	µg/L	20 U	20 U			
1,4-Dichlorobenzene	µg/L	0.5 U	0.5 U			
2,2-Dichloropropane	µg/L	20 U	20 U			
2-Chloroethyl vinyl ether	µg/L	100 U	100 U			
2-Chlorotoluene	µg/L	20 U	20 U			
4-Chlorotoluene	µg/L	20 U	20 U			
Acetone	µg/L	100 UB	100 UB			
Bromobenzene	µg/L	20 U	20 U			
Bromodichloromethane	µg/L	20 U	20 U			
Bromoform	µg/L	20 U	20 U			
Bromomethane	µg/L	20 U	20 U			
Carbon disulfide	µg/L	20 U	20 U			
Carbon tetrachloride	µg/L	20 U	20 U			
Chlorobenzene	µg/L	20 U	20 U			
Chloroform	µg/L	20 U	20 U			
Chloromethane	µg/L	20 U	20 U			
cis-1,3-Dichloropropene	µg/L	20 U	20 U			
Dibromochloromethane	µg/L	20 U	20 U			
Dibromomethane	µg/L	20 U	20 U			
Dichlorodifluoromethane	µg/L	20 U	20 U			
Dichloromethane	µg/L	100 U	100 U			
Methyl ethyl ketone	µg/L	400 U	400 U			
Methyl iso butyl ketone	µg/L	100 U	100 U			
trans-1,3-Dichloropropene	µg/L	20 U	20 U			
Trichlorofluoromethane	µg/L	20 U	20 U			
Vinyl acetate	µg/L	100 U	100 U			

	Event	Annual Monitoring of GWC wells (1999)				
	Location	S-13	S-13			
	SampleID	**S-13**	**S-13**			
	Depth (bgs)	0 ft	0 ft			
	Sample Date	10/29/1999	11/22/1999			
BTEX						
Benzene	µg/L	28	28			
Toluene	µg/L	20 U	20 U			
Ethylbenzene	µg/L	20 U	20 U			
Xylene (meta & para)	µg/L	40 U	40 U			
Xylene (ortho)	µg/L	20 U	20 U			
Xylene (total)	µg/L	40 U	40 U			
Alkylated Benzenes						
1,3,5-Trimethylbenzene	µg/L	20 U	20 U			
n-Propylbenzene	µg/L	20 U	20 U			
1,2,4-Trimethylbenzene	µg/L	20 U	20 U			
iso-Propylbenzene	µg/L	20 U	20 U			
iso-Propyltoluene	µg/L	20 U	20 U			
n-Butylbenzene	µg/L	20 U	20 U			
sec-Butylbenzene	µg/L	20 U	20 U			
Styrene	µg/L	20 U	20 U			
tert-Butylbenzene	µg/L	20 U	20 U			
Semivolatile Organic Compounds						
Benzo(a)anthracene	µg/L	0.5 U	0.5 U			
Benzo(a)pyrene	µg/L	0.5 U	0.5 U			
Benzo(g,h,i)perylene	µg/L	0.5 U	0.5 U			
Benzo(b)fluoranthene	µg/L	0.5 U	0.5 U			
Benzo(k)fluoranthene	µg/L	0.5 U	0.5 U			
Chrysene	µg/L	0.5 U	0.5 U			
Dibenzo(a,h)anthracene	µg/L	0.5 U	0.5 U			
Fluoranthene	µg/L	0.5 U	0.5 U			
Indeno(1,2,3-cd)pyrene	µg/L	0.5 U	0.5 U			
Pyrene	µg/L	0.5 U	0.5 U			
Acenaphthene	µg/L	1.3	1.3			
Acenaphthylene	µg/L	0.5 U	0.5 U			
Anthracene	µg/L	0.5 U	0.5 U			
Fluorene	µg/L	0.5 U	0.5 U			
Naphthalene	µg/L	20 U	20 U			
Phenanthrene	µg/L	0.5 U	0.5 U			
bis(2-ethylhexyl)phthalate	µg/L	0.51 UB	0.51 UB			
Di-n-butyl phthalate	µg/L	0.5 UB	0.5 UB			
Butyl benzyl phthalate	µg/L	0.5 U	0.5 U			
Diethylphthalate	µg/L	0.5 U	0.5 U			
Dimethyl phthalate	µg/L	0.5 U	0.5 U			
Di-n-octyl phthalate	µg/L	0.5 U	0.5 U			
Pentachlorophenol	µg/L	0.5 U	0.5 U			
2,4-Dichlorophenol	µg/L	5 U	5 U			
2,4,5-Trichlorophenol	µg/L	5 U	5 U			
2,4,6-Trichlorophenol	µg/L	5 U	5 U			
2-Chlorophenol	µg/L	0.5 U	0.5 U			
2,4-Dimethylphenol	µg/L	0.5 U	0.5 U			
2,4-Dinitrophenol	µg/L	5 U	5 U			
2,4-Dinitrotoluene	µg/L	5 U	5 U			
2,6-Dinitrotoluene	µg/L	5 U	5 U			

	Event	**Annual Monitoring of GWC wells (1999)**				
	Location	S-13	S-13			
	SampleID	**S-13**	**S-13**			
	Depth (bgs)	0 ft	0 ft			
	Sample Date	10/29/1999	11/22/1999			
Semivolatile Organic Compounds						
2-Chloronaphthalene	µg/L	0.5 U	0.5 U			
2-Methylphenol	µg/L	0.5 U	0.5 U			
2-Nitroaniline	µg/L	0.5 U	0.5 U			
2-Nitrophenol	µg/L	5 U	5 U			
3,3'-Dichlorobenzidine	µg/L	0.5 U	0.5 U			
2-Methylnaphthalene	µg/L	0.5 U	0.5 U			
3-Nitroaniline	µg/L	0.5 U	0.5 U			
4,6-Dinitro-o-cresol	µg/L	5 U	5 U			
4-Bromophenyl phenyl ether	µg/L	0.5 U	0.5 U			
4-Chloro-3-methylphenol	µg/L	5 U	5 U			
4-Chloroaniline	µg/L	0.5 U	0.5 U			
4-Chlorophenyl phenyl ether	µg/L	0.5 U	0.5 U			
4-Methylphenol	µg/L	0.5 U	0.5 U			
4-Nitroaniline	µg/L	0.5 U	0.5 U			
4-Nitrophenol	µg/L	5 UB	5 UB			
Aniline	µg/L	0.5 U	0.5 U			
Benzidine	µg/L	13 U	13 U			
Benzoic acid	µg/L	13 U	13 U			
Benzyl alcohol	µg/L	0.5 U	0.5 U			
bis(2-chloroethoxy)methane	µg/L	0.5 U	0.5 U			
bis(2-chloroethyl)ether	µg/L	0.5 U	0.5 U			
bis(2-chloroisopropyl)ether	µg/L	0.5 U	0.5 U			
Carbazole	µg/L	0.5 U	0.5 U			
Dibenzofuran	µg/L	0.5 U	0.5 U			
Hexachlorobenzene	µg/L	0.5 U	0.5 U			
Hexachlorobutadiene	µg/L	20 U	20 U			
Hexachlorocyclopentadiene	µg/L	5 U	5 U			
Hexachloroethane	µg/L	0.5 U	0.5 U			
Isophorone	µg/L	0.5 U	0.5 U			
Nitrobenzene	µg/L	0.5 U	0.5 U			
N-Nitroso-di-n-propylamine	µg/L	0.5 U	0.5 U			
N-Nitrosodiphenylamine	µg/L	5 U	5 U			
Phenol	µg/L	0.5 U	0.5 U			
Conventionals						
Salinity	s/cm	6.8	6.8			

	Event	Terra Vac's Annual Monitoring (1998)				
	Location	S-1	S-2	S-2	S-3	S-4
	SampleID	**S-1**	**S-2**	**S-8 (S-2 DUP)**	**S-3**	**S-4**
	Depth (bgs)	0 ft	0 ft	0 ft	0 ft	0 ft
	Sample Date	11/06/1998	11/06/1998	11/06/1998	11/06/1998	11/06/1998
Volatile Organic Compounds						
Tetrachloroethene	µg/L	7.3	250	320	1 U	1 U
Trichloroethene	µg/L	4	180	160	1 U	1 U
cis-1,2-Dichloroethene	µg/L	41	65	59	1 U	1 U
trans-1,2-Dichloroethene	µg/L	1 U	3.6	3.4	1 U	1 U
1,1-Dichloroethene	µg/L	1 U	1 U	1 U	1 U	1 U
Vinyl chloride	µg/L	1	1 U	1 U	1 U	1 U
1,1,1,2-Tetrachloroethane	µg/L	1 U	1 U	1 U	1 U	1 U
1,1,1-Trichloroethane	µg/L	1 U	1 U	1 U	1 U	1 U
1,1,2,2-Tetrachloroethane	µg/L	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichloroethane	µg/L	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	µg/L	4.1	1 U	1 U	1 U	1 U
Chloroethane	µg/L	1 U	1 U	1 U	1 U	1 U
1,1-Dichloropropene	µg/L	1 U	1 U	1 U	1 U	1 U
1,2,3-Trichlorobenzene	µg/L	1 U	1 U	1 U	1 U	1 U
1,2,3-Trichloropropane	µg/L	5 U	5 U	5 U	5 U	5 U
1,2,4-Trichlorobenzene	µg/L	1 U	1 U	1 U	1 U	1 U
1,2-Dibromo-3-chloropropane	µg/L	5 U	5 U	5 U	5 U	5 U
1,2-Dibromoethane	µg/L	1 U	1 U	1 U	1 U	1 U
1,2-Dichlorobenzene	µg/L	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethane	µg/L	1 U	1 U	1 U	1 U	1 U
1,2-Dichloropropane	µg/L	1 U	1 U	1 U	1 U	1 U
1,3-Dichlorobenzene	µg/L	1 U	1 U	1 U	1 U	1 U
1,3-Dichloropropane	µg/L	1 U	1 U	1 U	1 U	1 U
1,4-Dichlorobenzene	µg/L	1 U	1 U	1 U	1 U	1 U
2,2-Dichloropropane	µg/L	1 U	1 U	1 U	1 U	1 U
2-Chlorotoluene	µg/L	1 U	1 U	1 U	1 U	1 U
4-Chlorotoluene	µg/L	1 U	1 U	1 U	1 U	1 U
Bromobenzene	µg/L	1 U	1 U	1 U	1 U	1 U
Bromodichloromethane	µg/L	1 U	1 U	1 U	1 U	1 U
Bromoform	µg/L	1 U	1 U	1 U	1 U	1 U
Bromomethane	µg/L	1 U	1 U	1 U	1 U	1 U
Carbon tetrachloride	µg/L	5 U	5 U	5 U	5 U	5 U
Chlorobenzene	µg/L	1 U	1 U	1 U	1 U	1 U
Chloroform	µg/L	1 U	1 U	1 U	1 U	1 U
Chloromethane	µg/L	1 U	1 U	1 U	1 U	1 U
cis-1,3-Dichloropropene	µg/L	1 U	1 U	1 U	1 U	1 U
Dibromochloromethane	µg/L	1 U	1 U	1 U	1 U	1 U
Dibromomethane	µg/L	1 U	1 U	1 U	1 U	1 U
Dichlorodifluoromethane	µg/L	1 U	1 U	1 U	1 U	1 U
Dichloromethane	µg/L	5 U	5 U	5 U	5 U	5 U
trans-1,3-Dichloropropene	µg/L	1 U	1 U	1 U	1 U	1 U
Trichlorofluoromethane	µg/L	1 U	1 U	1 U	1 U	1 U
BTEX						
Benzene	µg/L	1 U	1 U	1 U	1 U	1 U
Toluene	µg/L	1 U	1 U	1 U	1 U	1 U
Ethylbenzene	µg/L	1 U	1 U	1 U	1 U	1 U
Xylene (meta & para)	µg/L	2 U	2 U	2 U	2 U	2 U
Xylene (ortho)	µg/L	1 U	1 U	1 U	1 U	1 U

	Event	**Terra Vac's Annual Monitoring (1998)**				
	Location	S-1	S-2	S-2	S-3	S-4
	SampleID	**S-1**	**S-2**	**S-8 (S-2 DUP)**	**S-3**	**S-4**
	Depth (bgs)	0 ft	0 ft	0 ft	0 ft	0 ft
	Sample Date	11/06/1998	11/06/1998	11/06/1998	11/06/1998	11/06/1998
BTEX						
Xylene (total)	µg/L	2 U	2 U	2 U	2 U	2 U
Alkylated Benzenes						
1,3,5-Trimethylbenzene	µg/L	1 U	1 U	1 U	1 U	1 U
n-Propylbenzene	µg/L	1 U	1 U	1 U	1 U	1 U
1,2,4-Trimethylbenzene	µg/L	1 U	1 U	1 U	1 U	1 U
iso-Propylbenzene	µg/L	1 U	1 U	1 U	1 U	1 U
iso-Propyltoluene	µg/L	1 U	1 U	1 U	1 U	1 U
n-Butylbenzene	µg/L	1 U	1 U	1 U	1 U	1 U
sec-Butylbenzene	µg/L	1 U	1 U	1 U	1 U	1 U
Styrene	µg/L	1 U	1 U	1 U	1 U	1 U
tert-Butylbenzene	µg/L	1 U	1 U	1 U	1 U	1 U
Semivolatile Organic Compounds						
Naphthalene	µg/L	5 U	5 U	5 U	5 U	5 U
Hexachlorobutadiene	µg/L	1 U	1 U	1 U	1 U	1 U
Conventionals						
Salinity	s/cm	22	19	15	18	16

	Event	Terra Vac's Annual Monitoring (1998)				
	Location	S-5	S-6	S-11	S-12	S-13
	SampleID	**S-5**	**S-6**	**S-11**	**S-12**	**S-13**
	Depth (bgs)	0 ft	0 ft	0 ft	0 ft	0 ft
	Sample Date	11/06/1998	11/06/1998	11/06/1998	11/06/1998	11/06/1998
Volatile Organic Compounds						
Tetrachloroethene	µg/L	1 U	1.3	1 U	1 U	3.8
Trichloroethene	µg/L	1 U	1 U	1 U	1 U	6.2
cis-1,2-Dichloroethene	µg/L	1 U	1 U	1 U	1 U	3300
trans-1,2-Dichloroethene	µg/L	1 U	1 U	1 U	1 U	46
1,1-Dichloroethene	µg/L	1 U	1 U	1 U	1 U	18
Vinyl chloride	µg/L	1 U	1 U	1 U	1 U	760
1,1,1,2-Tetrachloroethane	µg/L	1 U	1 U	1 U	1 U	1 U
1,1,1-Trichloroethane	µg/L	1 U	1 U	1 U	1 U	1 U
1,1,2,2-Tetrachloroethane	µg/L	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichloroethane	µg/L	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	µg/L	1 U	1 U	1 U	1 U	53
Chloroethane	µg/L	1 U	1 U	1 U	1 U	1 U
1,1-Dichloropropene	µg/L	1 U	1 U	1 U	1 U	1 U
1,2,3-Trichlorobenzene	µg/L	1 U	1 U	1 U	1 U	1 U
1,2,3-Trichloropropane	µg/L	5 U	5 U	5 U	5 U	5 U
1,2,4-Trichlorobenzene	µg/L	1 U	1 U	1 U	1 U	1 U
1,2-Dibromo-3-chloropropane	µg/L	5 U	5 U	5 U	5 U	5 U
1,2-Dibromoethane	µg/L	1 U	1 U	1 U	1 U	1 U
1,2-Dichlorobenzene	µg/L	1 U	1 U	1 U	1 U	1.3
1,2-Dichloroethane	µg/L	1 U	1 U	1 U	1 U	8.5
1,2-Dichloropropane	µg/L	1 U	1 U	1 U	1 U	2.7
1,3-Dichlorobenzene	µg/L	1 U	1 U	1 U	1 U	1 U
1,3-Dichloropropane	µg/L	1 U	1 U	1 U	1 U	1 U
1,4-Dichlorobenzene	µg/L	1 U	1 U	1 U	1 U	1 U
2,2-Dichloropropane	µg/L	1 U	1 U	1 U	1 U	1 U
2-Chlorotoluene	µg/L	1 U	1 U	1 U	1 U	1 U
4-Chlorotoluene	µg/L	1 U	1 U	1 U	1 U	1 U
Bromobenzene	µg/L	1 U	1 U	1 U	1 U	1 U
Bromodichloromethane	µg/L	1 U	1 U	1 U	1 U	1 U
Bromoform	µg/L	1 U	1 U	1 U	1 U	1 U
Bromomethane	µg/L	1 U	1 U	1 U	1 U	1 U
Carbon tetrachloride	µg/L	5 U	5 U	5 U	5 U	5 U
Chlorobenzene	µg/L	1 U	1 U	1 U	1 U	4.1
Chloroform	µg/L	1 U	1 U	1 U	1 U	1 U
Chloromethane	µg/L	1 U	1 U	1 U	1 U	1 U
cis-1,3-Dichloropropene	µg/L	1 U	1 U	1 U	1 U	1 U
Dibromochloromethane	µg/L	1 U	1 U	1 U	1 U	1 U
Dibromomethane	µg/L	1 U	1 U	1 U	1 U	1 U
Dichlorodifluoromethane	µg/L	1 U	1 U	1 U	1 U	1 U
Dichloromethane	µg/L	5 U	5 U	5 U	5 U	5 U
trans-1,3-Dichloropropene	µg/L	1 U	1 U	1 U	1 U	1 U
Trichlorofluoromethane	µg/L	1 U	1 U	1 U	1 U	1 U
BTEX						
Benzene	µg/L	1 U	1 U	1 U	1 U	28
Toluene	µg/L	1 U	1 U	1 U	1 U	1 U
Ethylbenzene	µg/L	1 U	1 U	1 U	1 U	1 U
Xylene (meta & para)	µg/L	2 U	2 U	2 U	2 U	2 U
Xylene (ortho)	µg/L	1 U	1 U	1 U	1 U	1.4

	Event	Terra Vac's Annual Monitoring (1998)				
	Location	S-5	S-6	S-11	S-12	S-13
	SampleID	**S-5**	**S-6**	**S-11**	**S-12**	**S-13**
	Depth (bgs)	0 ft	0 ft	0 ft	0 ft	0 ft
	Sample Date	11/06/1998	11/06/1998	11/06/1998	11/06/1998	11/06/1998
BTEX						
Xylene (total)	µg/L	2 U	2 U	2 U	2 U	1.4
Alkylated Benzenes						
1,3,5-Trimethylbenzene	µg/L	1 U	1 U	1 U	1 U	1 U
n-Propylbenzene	µg/L	1 U	1 U	1 U	1 U	1 U
1,2,4-Trimethylbenzene	µg/L	1 U	1 U	1 U	1 U	1 U
iso-Propylbenzene	µg/L	1 U	1 U	1 U	1 U	1 U
iso-Propyltoluene	µg/L	1 U	1 U	1 U	1 U	1 U
n-Butylbenzene	µg/L	1 U	1 U	1 U	1 U	1 U
sec-Butylbenzene	µg/L	1 U	1 U	1 U	1 U	1 U
Styrene	µg/L	1 U	1 U	1 U	1 U	1 U
tert-Butylbenzene	µg/L	1 U	1 U	1 U	1 U	1 U
Semivolatile Organic Compounds						
Naphthalene	µg/L	5 U	5 U	5 U	5 U	5 U
Hexachlorobutadiene	µg/L	1 U	1 U	1 U	1 U	1 U
Conventionals						
Salinity	s/cm	19	19	25	19	

	Event	Terra Vac's Gore-Sorber® Embayment Study				
	Location	S-1	S-1	S-1	S-2	S-2
	SampleID	**S-1**	**S-1**	**S-1**	**S-2**	**S-8 (S-2 DUP)**
	Depth (bgs)	0 ft	0 ft	0 ft	0 ft	0 ft
	Sample Date	04/28/1998	05/28/1998	12/04/1998	04/28/1998	04/28/1998
Volatile Organic Compounds						
Tetrachloroethene	µg/L	22	22	22	1 U	1 U
Trichloroethene	µg/L	9.9	9.9	9.9	2.4	2.5
cis-1,2-Dichloroethene	µg/L	29	29	29	190	
trans-1,2-Dichloroethene	µg/L	1 U	1 U	1 U	28	28
1,1-Dichloroethene	µg/L	1 U	1 U	1 U	1.8	2
Vinyl chloride	µg/L	6	6	6	2100	1900
1,1,1,2-Tetrachloroethane	µg/L	1 U	1 U	1 U	10 U	
1,1,1-Trichloroethane	µg/L	1 U	1 U	1 U	1 U	1 U
1,1,2,2-Tetrachloroethane	µg/L	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichloroethane	µg/L	1 U	1 U	1 U	5 U	5 U
1,1-Dichloroethane	µg/L	2.3	2.3	2.3	5.3	6.2
Chloroethane	µg/L	1 U	1 U	1 U	1 U	1 U
1,1-Dichloropropene	µg/L	1 U	1 U	1 U	10 U	
1,2,3-Trichlorobenzene	µg/L	1 U	1 U	1 U	10 U	
1,2,3-Trichloropropane	µg/L	1 U	1 U	1 U	1 U	1 U
1,2,4-Trichlorobenzene	µg/L	1 U	1 U	1 U	10 U	
1,2-Dibromo-3-chloropropane	µg/L	5 U	5 U	5 U	50 U	
1,2-Dibromoethane	µg/L	1 U	1 U	1 U	10 U	
1,2-Dichlorobenzene	µg/L	1 U	1 U	1 U	10 U	
1,2-Dichloroethane	µg/L	1 U	1 U	1 U	1.5	1 U
1,2-Dichloropropane	µg/L	5 U	5 U	5 U	5 U	5 U
1,3-Dichlorobenzene	µg/L	1 U	1 U	1 U	10 U	
1,3-Dichloropropane	µg/L	1 U	1 U	1 U	10 U	
1,4-Dichlorobenzene	µg/L	1 U	1 U	1 U	10 U	
2,2-Dichloropropane	µg/L	1 U	1 U	1 U	10 U	
2-Chlorotoluene	µg/L	1 U	1 U	1 U	10 U	
2-Hexanone	µg/L	5 U	5 U	5 U	5 U	5 U
4-Chlorotoluene	µg/L	1 U	1 U	1 U	10 U	
Acetone	µg/L	1 JB	1 JB	1 JB	5 U	19 UB
Bromobenzene	µg/L	1 U	1 U	1 U	10 U	
Bromodichloromethane	µg/L	1 U	1 U	1 U	1 U	1 U
Bromoform	µg/L	1 U	1 U	1 U	1 U	1 U
Bromomethane	µg/L	1 U	1 U	1 U	1 U	1 U
Carbon disulfide	µg/L	5 U	5 U	5 U	5 U	5 U
Carbon tetrachloride	µg/L	5 U	5 U	5 U	5 U	5 U
Chlorobenzene	µg/L	1 U	1 U	1 U	1 U	8.7
Chloroform	µg/L	1 U	1 U	1 U	1 U	1 U
Chloromethane	µg/L	1 U	1 U	1 U	1 U	1 U
cis-1,3-Dichloropropene	µg/L	1 U	1 U	1 U	1 U	1 U
Dibromochloromethane	µg/L	1 U	1 U	1 U	1 U	1 U
Dibromomethane	µg/L	1 U	1 U	1 U	1 U	1 U
Dichlorodifluoromethane	µg/L	1 U	1 U	1 U	1 U	1 U
Dichloromethane	µg/L	1 U	1 U	1 U	1 U	1 U
Iodomethane	µg/L	1 U	1 U	1 U	1 U	1 U
Methyl ethyl ketone	µg/L	5 U	5 U	5 U	5 U	5 U
Methyl iso butyl ketone	µg/L	5 U	5 U	5 U	5 U	5 U
trans-1,3-Dichloropropene	µg/L	1 U	1 U	1 U	1 U	1 U
trans-1,4-Dichloro-2-butene	µg/L	5 U	5 U	5 U	5 U	5 U

	Event	**Terra Vac's Gore-Sorber® Embayment Study**				
	Location	S-1	S-1	S-1	S-2	S-2
	SampleID	**S-1**	**S-1**	**S-1**	**S-2**	**S-8 (S-2 DUP)**
	Depth (bgs)	0 ft	0 ft	0 ft	0 ft	0 ft
	Sample Date	04/28/1998	05/28/1998	12/04/1998	04/28/1998	04/28/1998
Volatile Organic Compounds						
Trichlorofluoromethane	µg/L	1 U	1 U	1 U	1 U	1 U
Vinyl acetate	µg/L	5 U	5 U	5 U	5 U	5 U
BTEX						
Benzene	µg/L	1 U	1 U	1 U	3.1	39
Toluene	µg/L	1 U	1 U	1 U	3.4	3.4
Ethylbenzene	µg/L	1 U	1 U	1 U	1 U	1 U
Xylene (meta & para)	µg/L	2 U	2 U	2 U	2 U	2 U
Xylene (ortho)	µg/L	1 U	1 U	1 U	2.8	2.8
Xylene (total)	µg/L	2 U	2 U	2 U	20 U	2.8
Alkylated Benzenes						
1,3,5-Trimethylbenzene	µg/L	1 U	1 U	1 U	10 U	
n-Propylbenzene	µg/L	1 U	1 U	1 U	10 U	
1,2,4-Trimethylbenzene	µg/L	4.1	4.1	4.1	10 U	
iso-Propylbenzene	µg/L	1 U	1 U	1 U	10 U	
iso-Propyltoluene	µg/L	1 U	1 U	1 U	10 U	
n-Butylbenzene	µg/L	1 U	1 U	1 U	10 U	
sec-Butylbenzene	µg/L	1 U	1 U	1 U	10 U	
Styrene	µg/L	1 U	1 U	1 U	1 U	1 U
tert-Butylbenzene	µg/L	1 U	1 U	1 U	10 U	
Semivolatile Organic Compounds						
Naphthalene	µg/L	5 U	5 U	5 U	50 U	
Hexachlorobutadiene	µg/L	1 U	1 U	1 U	10 U	
Conventionals						
Salinity	g/L	14	14	14	11	11
Salinity	s/cm	7.2	7.2	7.2	3.1	

	Event	Terra Vac's Gore-Sorber® Embayment Study				
	Location	S-2	S-2	S-2	S-3	S-4
	SampleID	**S-2**	**S-8 (S-2 DUP)**	**S-2**	**S-3**	**S-4**
	Depth (bgs)	0 ft	0 ft	0 ft	0 ft	0 ft
	Sample Date	05/28/1998	05/28/1998	12/04/1998	04/28/1998	04/28/1998
Volatile Organic Compounds						
Tetrachloroethene	µg/L	1 U	1 U	1 U	1 U	1 U
Trichloroethene	µg/L	2.4	2.5	2.4	1 U	1 U
cis-1,2-Dichloroethene	µg/L	190		190		
trans-1,2-Dichloroethene	µg/L	28	28	28	1 U	1 U
1,1-Dichloroethene	µg/L	1.8	2	1.8	1 U	1 U
Vinyl chloride	µg/L	2100	1900	2100	1 U	1 U
1,1,1,2-Tetrachloroethane	µg/L	10 U		10 U		
1,1,1-Trichloroethane	µg/L	1 U	1 U	1 U	1 U	1 U
1,1,2,2-Tetrachloroethane	µg/L	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichloroethane	µg/L	5 U	5 U	5 U	5 U	5 U
1,1-Dichloroethane	µg/L	5.3	6.2	5.3	1 U	1.5
Chloroethane	µg/L	1 U	1 U	1 U	1 U	1 U
1,1-Dichloropropene	µg/L	10 U		10 U		
1,2,3-Trichlorobenzene	µg/L	10 U		10 U		
1,2,3-Trichloropropane	µg/L	1 U	1 U	1 U	1 U	1 U
1,2,4-Trichlorobenzene	µg/L	10 U		10 U		
1,2-Dibromo-3-chloropropane	µg/L	50 U		50 U		
1,2-Dibromoethane	µg/L	10 U		10 U		
1,2-Dichlorobenzene	µg/L	10 U		10 U		
1,2-Dichloroethane	µg/L	1.5	1 U	1.5	1 U	1 U
1,2-Dichloropropane	µg/L	5 U	5 U	5 U	5 U	5 U
1,3-Dichlorobenzene	µg/L	10 U		10 U		
1,3-Dichloropropane	µg/L	10 U		10 U		
1,4-Dichlorobenzene	µg/L	10 U		10 U		
2,2-Dichloropropane	µg/L	10 U		10 U		
2-Chlorotoluene	µg/L	10 U		10 U		
2-Hexanone	µg/L	5 U	5 U	5 U	5 U	5 U
4-Chlorotoluene	µg/L	10 U		10 U		
Acetone	µg/L	5 U	19 UB	5 U	5 U	14 UB
Bromobenzene	µg/L	10 U		10 U		
Bromodichloromethane	µg/L	1 U	1 U	1 U	1 U	1 U
Bromoform	µg/L	1 U	1 U	1 U	1 U	1 U
Bromomethane	µg/L	1 U	1 U	1 U	1 U	1 U
Carbon disulfide	µg/L	5 U	5 U	5 U	5 U	5 U
Carbon tetrachloride	µg/L	5 U	5 U	5 U	5 U	5 U
Chlorobenzene	µg/L	1 U	8.7	1 U	1 U	1 U
Chloroform	µg/L	1 U	1 U	1 U	1 U	1 U
Chloromethane	µg/L	1 U	1 U	1 U	1 U	1 U
cis-1,3-Dichloropropene	µg/L	1 U	1 U	1 U	1 U	1 U
Dibromochloromethane	µg/L	1 U	1 U	1 U	1 U	1 U
Dibromomethane	µg/L	1 U	1 U	1 U	1 U	1 U
Dichlorodifluoromethane	µg/L	1 U	1 U	1 U	1 U	1 U
Dichloromethane	µg/L	1 U	1 U	1 U	1 U	1 U
Iodomethane	µg/L	1 U	1 U	1 U	1 U	1 U
Methyl ethyl ketone	µg/L	5 U	5 U	5 U	5 U	5 U
Methyl iso butyl ketone	µg/L	5 U	5 U	5 U	5 U	5 U
trans-1,3-Dichloropropene	µg/L	1 U	1 U	1 U	1 U	1 U
trans-1,4-Dichloro-2-butene	µg/L	5 U	5 U	5 U	5 U	5 U

	Event	**Terra Vac's Gore-Sorber® Embayment Study**				
	Location	S-2	S-2	S-2	S-3	S-4
	SampleID	**S-2**	**S-8 (S-2 DUP)**	**S-2**	**S-3**	**S-4**
	Depth (bgs)	0 ft	0 ft	0 ft	0 ft	0 ft
	Sample Date	05/28/1998	05/28/1998	12/04/1998	04/28/1998	04/28/1998
Volatile Organic Compounds						
Trichlorofluoromethane	µg/L	1 U	1 U	1 U	1 U	1 U
Vinyl acetate	µg/L	5 U	5 U	5 U	5 U	5 U
BTEX						
Benzene	µg/L	3.1	39	3.1	1 U	1 U
Toluene	µg/L	3.4	3.4	3.4	1 U	1 U
Ethylbenzene	µg/L	1 U	1 U	1 U	1 U	1 U
Xylene (meta & para)	µg/L	2 U	2 U	2 U	2 U	2 U
Xylene (ortho)	µg/L	2.8	2.8	2.8	1 U	1 U
Xylene (total)	µg/L	20 U	2.8	20 U	2 U	2 U
Alkylated Benzenes						
1,3,5-Trimethylbenzene	µg/L	10 U		10 U		
n-Propylbenzene	µg/L	10 U		10 U		
1,2,4-Trimethylbenzene	µg/L	10 U		10 U		
iso-Propylbenzene	µg/L	10 U		10 U		
iso-Propyltoluene	µg/L	10 U		10 U		
n-Butylbenzene	µg/L	10 U		10 U		
sec-Butylbenzene	µg/L	10 U		10 U		
Styrene	µg/L	1 U	1 U	1 U	1 U	1 U
tert-Butylbenzene	µg/L	10 U		10 U		
Semivolatile Organic Compounds						
Naphthalene	µg/L	50 U		50 U		
Hexachlorobutadiene	µg/L	10 U		10 U		
Conventionals						
Salinity	s/cm	3.1		3.1		
Salinity	g/L	11	11	11	8.2	10

	Event	Terra Vac's Gore-Sorber® Embayment Study				
	Location	S-4	S-5	S-6	S-6	S-11
	SampleID	**S-4**	**S-5**	**S-6**	**S-6**	**S-11**
	Depth (bgs)	0 ft	0 ft	0 ft	0 ft	0 ft
	Sample Date	05/28/1998	04/28/1998	04/28/1998	05/28/1998	04/28/1998
Volatile Organic Compounds						
Tetrachloroethene	µg/L	1 U	1 U	5.8	5.8	1 U
Trichloroethene	µg/L	1 U	1 U	1 U	1 U	1 U
trans-1,2-Dichloroethene	µg/L	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethene	µg/L	1 U	1 U	1 U	1 U	1 U
Vinyl chloride	µg/L	1 U	1 U	1 U	1 U	1 U
1,1,1-Trichloroethane	µg/L	1 U	1 U	1 U	1 U	1 U
1,1,2,2-Tetrachloroethane	µg/L	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichloroethane	µg/L	5 U	5 U	5 U	5 U	5 U
1,1-Dichloroethane	µg/L	1.5	1 U	1 U	1 U	1 U
Chloroethane	µg/L	1 U	1 U	1 U	1 U	1 U
1,2,3-Trichloropropane	µg/L	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethane	µg/L	1 U	1 U	1 U	1 U	1 U
1,2-Dichloropropane	µg/L	5 U	5 U	5 U	5 U	5 U
2-Hexanone	µg/L	5 U	5 U	5 U	5 U	5 U
Acetone	µg/L	14 UB	11 UB	30 UB	30 UB	5 U
Bromodichloromethane	µg/L	1 U	1 U	1 U	1 U	1 U
Bromoform	µg/L	1 U	1 U	1 U	1 U	1 U
Bromomethane	µg/L	1 U	1 U	1 U	1 U	1 U
Carbon disulfide	µg/L	5 U	5 U	5 U	5 U	5 U
Carbon tetrachloride	µg/L	5 U	5 U	5 U	5 U	5 U
Chlorobenzene	µg/L	1 U	1 U	1 U	1 U	1 U
Chloroform	µg/L	1 U	1 U	1 U	1 U	1 U
Chloromethane	µg/L	1 U	1 U	1 U	1 U	1 U
cis-1,3-Dichloropropene	µg/L	1 U	1 U	1 U	1 U	1 U
Dibromochloromethane	µg/L	1 U	1 U	1 U	1 U	1 U
Dibromomethane	µg/L	1 U	1 U	1 U	1 U	1 U
Dichlorodifluoromethane	µg/L	1 U	1 U	1 U	1 U	1 U
Dichloromethane	µg/L	1 U	1 U	1 U	1 U	1 U
Iodomethane	µg/L	1 U	1 U	1 U	1 U	1 U
Methyl ethyl ketone	µg/L	5 U	5 U	5 U	5 U	5 U
Methyl iso butyl ketone	µg/L	5 U	5 U	5 U	5 U	5 U
trans-1,3-Dichloropropene	µg/L	1 U	1 U	1 U	1 U	1 U
trans-1,4-Dichloro-2-butene	µg/L	5 U	5 U	5 U	5 U	5 U
Trichlorofluoromethane	µg/L	1 U	1 U	1 U	1 U	1 U
Vinyl acetate	µg/L	5 U	5 U	5 U	5 U	5 U
BTEX						
Benzene	µg/L	1 U	1 U	1 U	1 U	1 U
Toluene	µg/L	1 U	1 U	1 U	1 U	1 U
Ethylbenzene	µg/L	1 U	1 U	1 U	1 U	1 U
Xylene (meta & para)	µg/L	2 U	2 U	2 U	2 U	2 U
Xylene (ortho)	µg/L	1 U	1 U	1 U	1 U	1 U
Xylene (total)	µg/L	2 U	2 U	2 U	2 U	2 U
Alkylated Benzenes						
Styrene	µg/L	1 U	1 U	1 U	1 U	1 U
Conventionals						
Salinity	g/L	10	7.5	13	13	

	Event	Terra Vac's Gore-Sorber® Embayment Study				
	Location	S-12	S-13	S-14		
	SampleID	**S-12**	**S-13**	**S-14**		
	Depth (bgs)	0 ft	0 ft	0 ft		
	Sample Date	04/28/1998	12/04/1998	12/04/1998		
Volatile Organic Compounds						
Tetrachloroethene	µg/L	1 U	10 U	10 U		
Trichloroethene	µg/L	1 U	11	10 U		
cis-1,2-Dichloroethene	µg/L		5400	2000		
trans-1,2-Dichloroethene	µg/L	1 U	72	110		
1,1-Dichloroethene	µg/L	1 U	27	10 U		
Vinyl chloride	µg/L	1 U	1600	670		
1,1,1,2-Tetrachloroethane	µg/L		10 U	10 U		
1,1,1-Trichloroethane	µg/L	1 U	10 U	10 U		
1,1,2,2-Tetrachloroethane	µg/L	1 U	10 U	10 U		
1,1,2-Trichloroethane	µg/L	5 U	10 U	10 U		
1,1-Dichloroethane	µg/L	1 U	62	18		
Chloroethane	µg/L	1 U	10 U	10 U		
1,1-Dichloropropene	µg/L		10 U	10 U		
1,2,3-Trichlorobenzene	µg/L		10 U	10 U		
1,2,3-Trichloropropane	µg/L	1 U	50 U	50 U		
1,2,4-Trichlorobenzene	µg/L		10 U	10 U		
1,2-Dibromo-3-chloropropane	µg/L		50 U	50 U		
1,2-Dibromoethane	µg/L		10 U	10 U		
1,2-Dichlorobenzene	µg/L		10 U	10 U		
1,2-Dichloroethane	µg/L	1 U	10 U	27		
1,2-Dichloropropane	µg/L	5 U	10 U	16		
1,3-Dichlorobenzene	µg/L		10 U	10 U		
1,3-Dichloropropane	µg/L		10 U	10 U		
1,4-Dichlorobenzene	µg/L		10 U	10 U		
2,2-Dichloropropane	µg/L		10 U	10 U		
2-Chlorotoluene	µg/L		10 U	10 U		
2-Hexanone	µg/L	5 U				
4-Chlorotoluene	µg/L		10 U	10 U		
Acetone	µg/L	5.6 UB				
Bromobenzene	µg/L		10 U	10 U		
Bromodichloromethane	µg/L	1 U	10 U	10 U		
Bromoform	µg/L	1 U	10 U	10 U		
Bromomethane	µg/L	1 U	10 U	10 U		
Carbon disulfide	µg/L	5 U				
Carbon tetrachloride	µg/L	5 U	50 U	50 U		
Chlorobenzene	µg/L	1 U	10 U	10 U		
Chloroform	µg/L	1 U	10 U	10 U		
Chloromethane	µg/L	1 U	10 U	10 U		
cis-1,3-Dichloropropene	µg/L	1 U	10 U	10 U		
Dibromochloromethane	µg/L	1 U	10 U	10 U		
Dibromomethane	µg/L	1 U	10 U	10 U		
Dichlorodifluoromethane	µg/L	1 U	10 U	10 U		
Dichloromethane	µg/L	1 U	50 U	50 U		
Iodomethane	µg/L	1 U				
Methyl ethyl ketone	µg/L	5 U				
Methyl iso butyl ketone	µg/L	5 U				
trans-1,3-Dichloropropene	µg/L	1 U	10 U	10 U		
trans-1,4-Dichloro-2-butene	µg/L	5 U				

	Event	Terra Vac's Gore-Sorber® Embayment Study				
	Location	S-12	S-13	S-14		
	SampleID	**S-12**	**S-13**	**S-14**		
	Depth (bgs)	0 ft	0 ft	0 ft		
	Sample Date	04/28/1998	12/04/1998	12/04/1998		
Volatile Organic Compounds						
Trichlorofluoromethane	µg/L	1 U	10 U	10 U		
Vinyl acetate	µg/L	5 U				
BTEX						
Benzene	µg/L	1 U	36	10 U		
Toluene	µg/L	1 U	10 U	10 U		
Ethylbenzene	µg/L	1 U	10 U	10 U		
Xylene (meta & para)	µg/L	2 U	20 U	20 U		
Xylene (ortho)	µg/L	1 U	10 U	10 U		
Xylene (total)	µg/L	2 U	20 U	20 U		
Alkylated Benzenes						
1,3,5-Trimethylbenzene	µg/L		10 U	10 U		
n-Propylbenzene	µg/L		10 U	10 U		
1,2,4-Trimethylbenzene	µg/L		10 U	10 U		
iso-Propylbenzene	µg/L		10 U	10 U		
iso-Propyltoluene	µg/L		10 U	10 U		
n-Butylbenzene	µg/L		10 U	10 U		
sec-Butylbenzene	µg/L		10 U	10 U		
Styrene	µg/L	1 U	10 U	10 U		
tert-Butylbenzene	µg/L		10 U	10 U		
Semivolatile Organic Compounds						
Naphthalene	µg/L		50 U	50 U		
Hexachlorobutadiene	µg/L		10 U	10 U		
Conventionals						
Salinity	s/cm		6.1	3.7		

	Event	**Terra Vac's Annual Monitoring (1997)**				
	Location	S-1	S-2	S-2	S-11	S-12
	SampleID	**S-1**	**S-2**	**S-8 (S-2 DUP)**	**S-11**	**S-12**
	Depth (bgs)	0 ft	0 ft	0 ft	0 ft	0 ft
	Sample Date	11/04/1997	11/04/1997	11/04/1997	11/04/1997	11/04/1997
Volatile Organic Compounds						
Tetrachloroethene	µg/L	19	160	140	1 U	1 U
Trichloroethene	µg/L	7	200	190	1 U	1 U
1,2-Dichloroethene (total)	µg/L	37	470	470	1 U	1 U
1,1-Dichloroethene	µg/L	1 U	1 U	1 U	1 U	1 U
Vinyl chloride	µg/L	1 U	1 U	1 U	1 U	1 U
1,1,1-Trichloroethane	µg/L	1 U	1 U	1 U	1 U	1 U
1,1,2,2-Tetrachloroethane	µg/L	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichloroethane	µg/L	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	µg/L	1	1 U	1 U	1 U	1 U
Chloroethane	µg/L	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethane	µg/L	1 U	1 U	1 U	1 U	1 U
1,2-Dichloropropane	µg/L	1 U	1 U	1 U	1 U	1 U
2-Hexanone	µg/L	10 U	10 U	10 U	10 U	10 U
Acetone	µg/L	10 U	10 U	10 U	10 U	10 U
Bromodichloromethane	µg/L	1 U	1 U	1 U	1 U	1 U
Bromoform	µg/L	5 U	5 U	5 U	5 U	5 U
Bromomethane	µg/L	10 U	10 U	10 U	10 U	10 U
Carbon disulfide	µg/L	10 U	10 U	10 U	10 U	10 U
Carbon tetrachloride	µg/L	1 U	1 U	1 U	1 U	1 U
Chlorobenzene	µg/L	1 U	1 U	1 U	1 U	1 U
Chloroform	µg/L	1 U	1 U	1 U	1 U	1 U
Chloromethane	µg/L	10 U	10 U	10 U	10 U	10 U
cis-1,3-Dichloropropene	µg/L	1 U	1 U	1 U	1 U	1 U
Dibromochloromethane	µg/L	1 U	1 U	1 U	1 U	1 U
Dichloromethane	µg/L	5 U	5 U	5 U	5 U	5 U
Methyl ethyl ketone	µg/L	10 U	10 U	10 U	10 U	10 U
Methyl iso butyl ketone	µg/L	10 U	10 U	10 U	10 U	10 U
trans-1,3-Dichloropropene	µg/L	1 U	1 U	1 U	1 U	1 U
Vinyl acetate	µg/L	10 U	10 U	10 U	10 U	10 U
BTEX						
Benzene	µg/L	1 U	1 U	1 U	1 U	1 U
Toluene	µg/L	1 U	1 U	1 U	1 U	1 U
Ethylbenzene	µg/L	1 U	1 U	1 U	1 U	1 U
Xylene (total)	µg/L	1 U	1 U	1 U	1 U	1 U
Alkylated Benzenes						
Styrene	µg/L	1 U	1 U	1 U	1 U	1 U
Conventionals						
Salinity	g/L	12	2.6	2.6	4.6	14.5

	Event	Hart Crowser's Annual Monitoring (December 1996)				
	Location	S-1	S-2	S-3	S-4	S-5
	SampleID	**S-1**	**S-2**	**S-3**	**S-4**	**S-5**
	Depth (bgs)	0 ft	0 ft	0 ft	0 ft	0 ft
	Sample Date	12/11/1996	12/11/1996	12/11/1996	12/11/1996	12/11/1996
Volatile Organic Compounds						
Tetrachloroethene	µg/L	13	79	1 U	1 U	1 U
Trichloroethene	µg/L	7	58	1 U	1 U	1 U
1,2-Dichloroethene (total)	µg/L	27	310	1 U	8	1 U
1,1-Dichloroethene	µg/L	1 U	1 U	1 U	1 U	1 U
Vinyl chloride	µg/L	1 U	3 J	1 U	1 U	1 U
1,1,1-Trichloroethane	µg/L	1 U	1 U	1 U	1 U	1 U
1,1,2,2-Tetrachloroethane	µg/L	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichloroethane	µg/L	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	µg/L	1 U	1	1 U	1 U	1 U
Chloroethane	µg/L	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethane	µg/L	1 U	8	1 U	1 U	1 U
1,2-Dichloropropane	µg/L	1 U	1	1 U	1 U	1 U
2-Hexanone	µg/L	10 U	10 U	10 U	10 U	10 U
Acetone	µg/L	10 U	10 U	10 U	10 U	10 U
Bromodichloromethane	µg/L	1 U	1 U	1 U	1 U	1 U
Bromoform	µg/L	5 U	5 U	5 U	5 U	5 U
Bromomethane	µg/L	10 U	10 U	10 U	10 U	10 U
Carbon disulfide	µg/L	10 U	10 U	10 U	10 U	10 U
Carbon tetrachloride	µg/L	1 U	1 U	1 U	1 U	1 U
Chlorobenzene	µg/L	1 U	1 U	1 U	1 U	1 U
Chloroform	µg/L	1 U	1 U	1 U	1 U	1 U
Chloromethane	µg/L	10 U	10 U	10 U	10 U	10 U
cis-1,3-Dichloropropene	µg/L	1 U	1 U	1 U	1 U	1 U
Dibromochloromethane	µg/L	1 U	1 U	1 U	1 U	1 U
Dichloromethane	µg/L	5 U	5 U	5 U	5 U	5 U
Methyl ethyl ketone	µg/L	10 U	10 U	10 U	10 U	10 U
Methyl iso butyl ketone	µg/L	10 U	10 U	10 U	10 U	10 U
trans-1,3-Dichloropropene	µg/L	1 U	1 U	1 U	1 U	1 U
Vinyl acetate	µg/L	10 U	10 U	10 U	10 U	10 U
BTEX						
Benzene	µg/L	1 U	1 U	1 U	1 U	1 U
Toluene	µg/L	1 U	1 U	1 U	2	1 U
Ethylbenzene	µg/L	1 U	1 U	1 U	1 U	1 U
Xylene (total)	µg/L	1 U	1 U	1 U	1	1 U
Alkylated Benzenes						
Styrene	µg/L	1 U	1 U	1 U	1 U	1 U

	Event	**Hart Crowser's Annual Monitoring (December 1996)**				
	Location	S-8				
	SampleID	**S-8**				
	Depth (bgs)	0 ft				
	Sample Date	12/11/1996				
Volatile Organic Compounds						
Tetrachloroethene	µg/L	81				
Trichloroethene	µg/L	59				
1,2-Dichloroethene (total)	µg/L	300				
1,1-Dichloroethene	µg/L	1 U				
Vinyl chloride	µg/L	3 J				
1,1,1-Trichloroethane	µg/L	1 U				
1,1,2,2-Tetrachloroethane	µg/L	1 U				
1,1,2-Trichloroethane	µg/L	1 U				
1,1-Dichloroethane	µg/L	1				
Chloroethane	µg/L	1 U				
1,2-Dichloroethane	µg/L	8				
1,2-Dichloropropane	µg/L	1				
2-Hexanone	µg/L	10 U				
Acetone	µg/L	10 U				
Bromodichloromethane	µg/L	1 U				
Bromoform	µg/L	5 U				
Bromomethane	µg/L	10 U				
Carbon disulfide	µg/L	10 U				
Carbon tetrachloride	µg/L	1 U				
Chlorobenzene	µg/L	1 U				
Chloroform	µg/L	1 U				
Chloromethane	µg/L	10 U				
cis-1,3-Dichloropropene	µg/L	1 U				
Dibromochloromethane	µg/L	1 U				
Dichloromethane	µg/L	5 U				
Methyl ethyl ketone	µg/L	10 U				
Methyl iso butyl ketone	µg/L	10 U				
trans-1,3-Dichloropropene	µg/L	1 U				
Vinyl acetate	µg/L	10 U				
BTEX						
Benzene	µg/L	1 U				
Toluene	µg/L	1 U				
Ethylbenzene	µg/L	1 U				
Xylene (total)	µg/L	1 U				
Alkylated Benzenes						
Styrene	µg/L	1 U				

	Event	Hart Crowser's Annual Monitoring (1995)				
	Location	S-1	S-2	S-3	S-4	S-5
	SampleID	**S-1**	**S-2**	**S-3**	**S-4**	**S-5**
	Depth (bgs)	0 ft	0 ft	0 ft	0 ft	0 ft
	Sample Date	10/27/1995	10/27/1995	10/27/1995	10/27/1995	10/27/1995
Volatile Organic Compounds						
Tetrachloroethene	µg/L	4	610	1 U	1 U	1 U
Trichloroethene	µg/L	4	360	1 U	1 U	1 U
1,2-Dichloroethene (total)	µg/L	21	160	1 U	1	1 U
1,1-Dichloroethene	µg/L	1 U	1 U	1 U	1 U	1 U
Vinyl chloride	µg/L	1 U	1	1 U	1 U	1 U
1,1,1-Trichloroethane	µg/L	1 U	1 U	1 U	1 U	1 U
1,1,2,2-Tetrachloroethane	µg/L	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichloroethane	µg/L	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	µg/L	1	1	1 U	1 U	1 U
Chloroethane	µg/L	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethane	µg/L	1 U	1	1 U	1 U	1 U
1,2-Dichloropropane	µg/L	1 U	1 U	1 U	1 U	1 U
2-Hexanone	µg/L	10 U	10 U	10 U	10 U	10 U
Acetone	µg/L	10 U	10 U	10 U	10 U	10 U
Bromodichloromethane	µg/L	1 U	1 U	1 U	1 U	1 U
Bromoform	µg/L	5 U	5 U	5 U	5 U	5 U
Bromomethane	µg/L	10 U	10 U	10 U	10 U	10 U
Carbon disulfide	µg/L	1 U	1 U	1 U	1 U	1 U
Carbon tetrachloride	µg/L	1 U	1 U	1 U	1 U	1 U
Chlorobenzene	µg/L	1 U	1 U	1 U	1 U	1 U
Chloroform	µg/L	1 U	1 U	1 U	1 U	1 U
Chloromethane	µg/L	10 U	10 U	10 U	10 U	10 U
cis-1,3-Dichloropropene	µg/L	1 U	1 U	1 U	1 U	1 U
Dibromochloromethane	µg/L	1 U	1 U	1 U	1 U	1 U
Dichloromethane	µg/L	5 U	5 U	5 U	5 U	5 U
Methyl ethyl ketone	µg/L	10 U	10 U	10 U	10 U	10 U
Methyl iso butyl ketone	µg/L	10 U	10 U	10 U	10 U	10 U
trans-1,3-Dichloropropene	µg/L	1 U	1 U	1 U	1 U	1 U
Vinyl acetate	µg/L	10 U	10 U	10 U	10 U	10 U
BTEX						
Benzene	µg/L	1 U	1 U	1 U	1 U	1 U
Toluene	µg/L	1 U	1 U	1 U	1 U	1 U
Ethylbenzene	µg/L	1 U	1 U	1 U	1 U	1 U
Xylene (total)	µg/L	1 U	1 U	1 U	1 U	1 U
Alkylated Benzenes						
Styrene	µg/L	1 U	1 U	1 U	1 U	1 U

	Event	**Hart Crowser's Annual Monitoring (1995)**				
	Location	S-8	S-11	S-12		
	SampleID	**S-8**	**S-11**	**S-12**		
	Depth (bgs)	0 ft	0 ft	0 ft		
	Sample Date	10/27/1995	10/27/1995	10/27/1995		
Volatile Organic Compounds						
Tetrachloroethene	µg/L	600	1 U	1 U		
Trichloroethene	µg/L	360	1 U	1 U		
1,2-Dichloroethene (total)	µg/L	160	8	1 U		
1,1-Dichloroethene	µg/L	1 U	1 U	1 U		
Vinyl chloride	µg/L	1 U	1	1 U		
1,1,1-Trichloroethane	µg/L	1 U	1 U	1 U		
1,1,2,2-Tetrachloroethane	µg/L	1 U	1 U	1 U		
1,1,2-Trichloroethane	µg/L	1 U	1 U	1 U		
1,1-Dichloroethane	µg/L	1	1 U	1 U		
Chloroethane	µg/L	1 U	1 U	1 U		
1,2-Dichloroethane	µg/L	1 U	1 U	1 U		
1,2-Dichloropropane	µg/L	1 U	1 U	1 U		
2-Hexanone	µg/L	10 U	10 U	10 U		
Acetone	µg/L	10 U	10 U	10 U		
Bromodichloromethane	µg/L	1 U	1 U	1 U		
Bromoform	µg/L	5 U	5 U	5 U		
Bromomethane	µg/L	10 U	10 U	10 U		
Carbon disulfide	µg/L	1 U	1 U	1 U		
Carbon tetrachloride	µg/L	1 U	1 U	1 U		
Chlorobenzene	µg/L	1 U	1 U	1 U		
Chloroform	µg/L	1 U	1 U	1 U		
Chloromethane	µg/L	10 U	10 U	10 U		
cis-1,3-Dichloropropene	µg/L	1 U	1 U	1 U		
Dibromochloromethane	µg/L	1 U	1 U	1 U		
Dichloromethane	µg/L	5 U	5 U	5 U		
Methyl ethyl ketone	µg/L	10 U	10 U	10 U		
Methyl iso butyl ketone	µg/L	10 U	10 U	10 U		
trans-1,3-Dichloropropene	µg/L	1 U	1 U	1 U		
Vinyl acetate	µg/L	10 U	10 U	10 U		
BTEX						
Benzene	µg/L	1 U	1 U	1 U		
Toluene	µg/L	1 U	1 U	1 U		
Ethylbenzene	µg/L	1 U	1 U	1 U		
Xylene (total)	µg/L	1 U	1 U	1 U		
Alkylated Benzenes						
Styrene	µg/L	1 U	1 U	1 U		

	Event	**Hart Crowser's Post-RI Sampling (May 1995)**				
	Location	S-1	S-2	S-3	S-4	S-5
	SampleID	**S-1**	**S-2**	**S-3**	**S-4**	**S-5**
	Depth (bgs)	0 ft	0 ft	0 ft	0 ft	0 ft
	Sample Date	05/15/1995	05/15/1995	05/15/1995	05/15/1995	05/15/1995
Volatile Organic Compounds						
Tetrachloroethene	µg/L	6	710	1 U	1 U	1 U
Trichloroethene	µg/L	8	480	1 U	1 U	1 U
1,2-Dichloroethene (total)	µg/L	30	150	1 U	3	1 U
1,1-Dichloroethene	µg/L	1 U	1 U	1 U	1 U	1 U
Vinyl chloride	µg/L	1 U	2	1 U	2	1 U
1,1,1-Trichloroethane	µg/L	1	1 U	1 U	1 U	1 U
1,1,2,2-Tetrachloroethane	µg/L	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichloroethane	µg/L	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	µg/L	2	1	1 U	1 U	1 U
Chloroethane	µg/L	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethane	µg/L	1 U	1	1 U	1 U	1 U
1,2-Dichloropropane	µg/L	1 U	1 U	1 U	1 U	1 U
2-Hexanone	µg/L	10 U	10 U	10 U	10 U	10 U
Acetone	µg/L	10 U	10 U	10 U	10 U	10 U
Bromodichloromethane	µg/L	1 U	1 U	1 U	1 U	1 U
Bromoform	µg/L	5 U	5 U	5 U	5 U	5 U
Bromomethane	µg/L	10 U	10 U	10 U	10 U	10 U
Carbon disulfide	µg/L	1 U	1 U	1 U	1 U	1 U
Carbon tetrachloride	µg/L	1 U	1 U	1 U	1 U	1 U
Chlorobenzene	µg/L	1 U	1 U	1 U	1 U	1 U
Chloroform	µg/L	1 U	1 U	1 U	1 U	1 U
Chloromethane	µg/L	10 U	10 U	10 U	10 U	10 U
cis-1,3-Dichloropropene	µg/L	1 U	1 U	1 U	1 U	1 U
Dibromochloromethane	µg/L	1 U	1 U	1 U	1 U	1 U
Dichloromethane	µg/L	5 U	5 U	5 U	5 U	5 U
Methyl ethyl ketone	µg/L	10 U	10 U	10 U	10 U	10 U
Methyl iso butyl ketone	µg/L	10 U	10 U	10 U	10 U	10 U
trans-1,3-Dichloropropene	µg/L	1 U	1 U	1 U	1 U	1 U
Vinyl acetate	µg/L	10 U	10 U	10 U	10 U	10 U
BTEX						
Benzene	µg/L	1 U	1 U	1 U	1 U	1 U
Toluene	µg/L	1 U	1 U	1 U	1 U	1 U
Ethylbenzene	µg/L	1 U	1 U	1 U	1 U	1 U
Xylene (total)	µg/L	1 U	1 U	1 U	1 U	1 U
Alkylated Benzenes						
Styrene	µg/L	1 U	1 U	1 U	1 U	1 U

	Event	Hart Crowser's Post-RI Sampling (May 1995)				
	Location	S-8	S-11	S-12		
	SampleID	**S-8**	**S-11**	**S-12**		
	Depth (bgs)	0 ft	0 ft	0 ft		
	Sample Date	05/15/1995	05/15/1995	05/15/1995		
Volatile Organic Compounds						
Tetrachloroethene	µg/L	670	1 U	1 U		
Trichloroethene	µg/L	450	1 U	1 U		
1,2-Dichloroethene (total)	µg/L	150	1 U	1 U		
1,1-Dichloroethene	µg/L	1 U	1 U	1 U		
Vinyl chloride	µg/L	1	1 U	1 U		
1,1,1-Trichloroethane	µg/L	1 U	1 U	1 U		
1,1,2,2-Tetrachloroethane	µg/L	1 U	1 U	1 U		
1,1,2-Trichloroethane	µg/L	1 U	1 U	1 U		
1,1-Dichloroethane	µg/L	1	1 U	1 U		
Chloroethane	µg/L	1 U	1 U	1 U		
1,2-Dichloroethane	µg/L	1 U	1 U	1 U		
1,2-Dichloropropane	µg/L	1 U	1 U	1 U		
2-Hexanone	µg/L	10 U	10 U	10 U		
Acetone	µg/L	10 U	10 U	10 U		
Bromodichloromethane	µg/L	1 U	1 U	1 U		
Bromoform	µg/L	5 U	5 U	5 U		
Bromomethane	µg/L	10 U	10 U	10 U		
Carbon disulfide	µg/L	1 U	1 U	1 U		
Carbon tetrachloride	µg/L	1 U	1 U	1 U		
Chlorobenzene	µg/L	1 U	1 U	1 U		
Chloroform	µg/L	1 U	1 U	1 U		
Chloromethane	µg/L	10 U	10 U	10 U		
cis-1,3-Dichloropropene	µg/L	1 U	1 U	1 U		
Dibromochloromethane	µg/L	1 U	1 U	1 U		
Dichloromethane	µg/L	6 U	10 U	9 U		
Methyl ethyl ketone	µg/L	10 U	10 U	10 U		
Methyl iso butyl ketone	µg/L	10 U	10 U	10 U		
trans-1,3-Dichloropropene	µg/L	1 U	1 U	1 U		
Vinyl acetate	µg/L	10 U	10 U	10 U		
BTEX						
Benzene	µg/L	1 U	1 U	1 U		
Toluene	µg/L	1 U	1 U	1 U		
Ethylbenzene	µg/L	1 U	1 U	1 U		
Xylene (total)	µg/L	1	1 U	1 U		
Alkylated Benzenes						
Styrene	µg/L	1 U	1 U	1 U		

	Event	**Hart Crowser's Post-RI Sampling (November 1994)**				
	Location	S-1	S-2	S-3	S-4	S-5
	SampleID	**S-1**	**S-2**	**S-3**	**S-4**	**S-5**
	Depth (bgs)	0 ft	0 ft	0 ft	0 ft	0 ft
	Sample Date	11/04/1994	11/04/1994	11/04/1994	11/04/1994	11/04/1994
Volatile Organic Compounds						
Tetrachloroethene	µg/L	1	440	1 U	1 U	1 U
Trichloroethene	µg/L	1 U	130	1 U	1 U	1 U
1,2-Dichloroethene (total)	µg/L	1	50	1 U	1 U	1 U
1,1-Dichloroethene	µg/L	1 U	1 U	1 U	1 U	1 U
Vinyl chloride	µg/L	1 U	1 U	1 U	1 U	1 U
1,1,1-Trichloroethane	µg/L	1 U	1 U	1 U	1 U	1 U
1,1,2,2-Tetrachloroethane	µg/L	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichloroethane	µg/L	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	µg/L	1 U	1 U	1 U	1 U	1 U
Chloroethane	µg/L	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethane	µg/L	1 U	1 U	1 U	1 U	1 U
1,2-Dichloropropane	µg/L	1 U	1 U	1 U	1 U	1 U
2-Hexanone	µg/L	10 U	10 U	10 U	10 U	10 U
Acetone	µg/L	10 U	10 U	10 U	10 U	10 U
Bromodichloromethane	µg/L	1 U	1 U	1 U	1 U	1 U
Bromoform	µg/L	5 U	5 U	5 U	5 U	5 U
Bromomethane	µg/L	10 U	10 U	10 U	10 U	10 U
Carbon disulfide	µg/L	1 U	1 U	1 U	1 U	1 U
Carbon tetrachloride	µg/L	1 U	1 U	1 U	1 U	1 U
Chlorobenzene	µg/L	1 U	1 U	1 U	1 U	1 U
Chloroform	µg/L	1 U	1 U	1 U	1 U	1 U
Chloromethane	µg/L	10 U	10 U	10 U	10 U	10 U
cis-1,3-Dichloropropene	µg/L	1 U	1 U	1 U	1 U	1 U
Dibromochloromethane	µg/L	1 U	1 U	1 U	1 U	1 U
Dichloromethane	µg/L	5 U	5 U	5 U	5 U	5 U
Methyl ethyl ketone	µg/L	10 U	10 U	10 U	10 U	10 U
Methyl iso butyl ketone	µg/L	10 U	10 U	10 U	10 U	10 U
trans-1,3-Dichloropropene	µg/L	1 U	1 U	1 U	1 U	1 U
Vinyl acetate	µg/L	10 U	10 U	10 U	10 U	10 U
BTEX						
Benzene	µg/L	1 U	1 U	1 U	1 U	1 U
Toluene	µg/L	1 U	1 U	1 U	1 U	1 U
Ethylbenzene	µg/L	1 U	1 U	1 U	1 U	1 U
Xylene (total)	µg/L	1 U	1 U	1 U	1 U	1 U
Alkylated Benzenes						
Styrene	µg/L	1 U	1 U	1 U	1 U	1 U

	Event	Hart Crowser's Post-RI Sampling (November 1994)				
	Location	S-6	S-11	S-12		
	SampleID	**S-8**	**S-11**	**S-12**		
	Depth (bgs)	0 ft	0 ft	0 ft		
	Sample Date	11/04/1994	11/04/1994	11/04/1994		
Volatile Organic Compounds						
Tetrachloroethene	µg/L	440	1 U	1 U		
Trichloroethene	µg/L	140	1 U	1 U		
1,2-Dichloroethene (total)	µg/L	52	1 U	1 U		
1,1-Dichloroethene	µg/L	1 U	1 U	1 U		
Vinyl chloride	µg/L	1 U	1 U	1 U		
1,1,1-Trichloroethane	µg/L	1 U	1 U	1 U		
1,1,2,2-Tetrachloroethane	µg/L	1 U	1 U	1 U		
1,1,2-Trichloroethane	µg/L	1 U	1 U	1 U		
1,1-Dichloroethane	µg/L	1 U	1 U	1 U		
Chloroethane	µg/L	1 U	1 U	1 U		
1,2-Dichloroethane	µg/L	1 U	1 U	1 U		
1,2-Dichloropropane	µg/L	1 U	1 U	1 U		
2-Hexanone	µg/L	10 U	10 U	10 U		
Acetone	µg/L	72 U	100 U	77 U		
Bromodichloromethane	µg/L	1 U	1 U	1 U		
Bromoform	µg/L	5 U	5 U	5 U		
Bromomethane	µg/L	10 U	10 U	10 U		
Carbon disulfide	µg/L	1 U	1 U	1 U		
Carbon tetrachloride	µg/L	1 U	1 U	1 U		
Chlorobenzene	µg/L	1 U	1 U	1 U		
Chloroform	µg/L	1 U	1 U	1 U		
Chloromethane	µg/L	10 U	10 U	10 U		
cis-1,3-Dichloropropene	µg/L	1 U	1 U	1 U		
Dibromochloromethane	µg/L	1 U	1 U	1 U		
Dichloromethane	µg/L	5 U	10 U	5 U		
Methyl ethyl ketone	µg/L	10 U	10 U	10 U		
Methyl iso butyl ketone	µg/L	10 U	10 U	10 U		
trans-1,3-Dichloropropene	µg/L	1 U	1 U	1 U		
Vinyl acetate	µg/L	10 U	10 U	10 U		
BTEX						
Benzene	µg/L	1 U	1 U	1 U		
Toluene	µg/L	1 U	1 U	1 U		
Ethylbenzene	µg/L	1 U	1 U	1 U		
Xylene (total)	µg/L	1 U	1 U	1 U		
Alkylated Benzenes						
Styrene	µg/L	1 U	1 U	1 U		

	Event	Hart Crowser's Post-RI Sampling (July 1994)				
	Location	S-1	S-2	S-2	S-2	S-2
	SampleID	**S-1**	**S-2-1**	**S-2-2**	**S-2-3**	**S-2-4**
	Depth (bgs)	0 ft	0 ft	0 ft	0 ft	0 ft
	Sample Date	07/22/1994	07/22/1994	07/22/1994	07/22/1994	07/22/1994
Volatile Organic Compounds						
Tetrachloroethene	µg/L	2	300	450	600	150
Trichloroethene	µg/L	1 U	130	210	230	68
1,2-Dichloroethene (total)	µg/L	3	46	70	73	39
1,1-Dichloroethene	µg/L	1 U	1 U	1 U	1 U	1 U
Vinyl chloride	µg/L	1 U	1 U	1 U	1 U	3
1,1,1-Trichloroethane	µg/L	1 U	1 U	1 U	1 U	1 U
1,1,2,2-Tetrachloroethane	µg/L	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichloroethane	µg/L	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	µg/L	1	1 U	1 U	1 U	1 U
Chloroethane	µg/L	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethane	µg/L	1 U	1 U	1 U	1 U	1 U
1,2-Dichloropropane	µg/L	1 U	1 U	1 U	1 U	1 U
2-Hexanone	µg/L	10 U	10 U	10 U	10 U	10 U
Acetone	µg/L	10 U	10 U	10 U	10 U	10 U
Bromodichloromethane	µg/L	1 U	1 U	1 U	1 U	1 U
Bromoform	µg/L	5 U	5 U	5 U	5 U	5 U
Bromomethane	µg/L	10 U	10 U	10 U	10 U	10 U
Carbon disulfide	µg/L	1 U	1 U	1 U	1 U	1 U
Carbon tetrachloride	µg/L	1 U	1 U	1 U	1 U	1 U
Chlorobenzene	µg/L	1 U	1 U	1 U	1 U	1 U
Chloroform	µg/L	1 U	1 U	1 U	1 U	1 U
Chloromethane	µg/L	10 U	10 U	10 U	10 U	10 U
cis-1,3-Dichloropropene	µg/L	1 U	1 U	1 U	1 U	1 U
Dibromochloromethane	µg/L	1 U	1 U	1 U	1 U	1 U
Dichloromethane	µg/L	5 U	5 U	5 U	5 U	5 U
Methyl ethyl ketone	µg/L	10 U	10 U	10 U	10 U	10 U
Methyl iso butyl ketone	µg/L	10 U	10 U	10 U	10 U	10 U
trans-1,3-Dichloropropene	µg/L	1 U	1 U	1 U	1 U	1 U
Vinyl acetate	µg/L	10 U	10 U	10 U	10 U	10 U
BTEX						
Benzene	µg/L	1 U	1 U	1 U	1 U	1 U
Toluene	µg/L	1 U	1 U	1 U	1 U	1 U
Ethylbenzene	µg/L	1 U	1 U	1 U	1 U	1 U
Xylene (total)	µg/L	1 U	1 U	1 U	1 U	1 U
Alkylated Benzenes						
Styrene	µg/L	1 U	1 U	1 U	1 U	1 U
Conventionals						
Salinity	ppt	20.55	19.11	13.75	7.68	12.08

	Event	Hart Crowser's Post-RI Sampling (July 1994)				
	Location	S-2	S-2	S-2	S-2	S-8
	SampleID	**S-2-5**	**S-2-6**	**S-2-7**	**S-2-8**	**S-8**
	Depth (bgs)	0 ft	0 ft	0 ft	0 ft	0 ft
	Sample Date	07/22/1994	07/22/1994	07/22/1994	07/22/1994	07/22/1994
Volatile Organic Compounds						
Tetrachloroethene	µg/L	40	11	5	1 U	640
Trichloroethene	µg/L	17	2	2	1 U	330
1,2-Dichloroethene (total)	µg/L	10	2	1 U	1 U	110
1,1-Dichloroethene	µg/L	1 U	1 U	1 U	1 U	1 U
Vinyl chloride	µg/L	1 U	1 U	1 U	1 U	1 U
1,1,1-Trichloroethane	µg/L	1 U	1 U	1 U	1 U	1 U
1,1,2,2-Tetrachloroethane	µg/L	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichloroethane	µg/L	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	µg/L	1 U	1 U	1 U	1 U	1
Chloroethane	µg/L	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethane	µg/L	1 U	1 U	1 U	1 U	1 U
1,2-Dichloropropane	µg/L	1 U	1 U	1 U	1 U	1 U
2-Hexanone	µg/L	10 U	10 U	10 U	10 U	10 U
Acetone	µg/L	10 U	10 U	10 U	10 U	10 U
Bromodichloromethane	µg/L	1 U	1 U	1 U	1 U	1 U
Bromoform	µg/L	5 U	5 U	5 U	5 U	5 U
Bromomethane	µg/L	10 U	10 U	10 U	10 U	10 U
Carbon disulfide	µg/L	1 U	1 U	1 U	1 U	1 U
Carbon tetrachloride	µg/L	1 U	1 U	1 U	1 U	1 U
Chlorobenzene	µg/L	1 U	1 U	1 U	1 U	1 U
Chloroform	µg/L	1 U	1 U	1 U	1 U	1 U
Chloromethane	µg/L	10 U	10 U	10 U	10 U	10 U
cis-1,3-Dichloropropene	µg/L	1 U	1 U	1 U	1 U	1 U
Dibromochloromethane	µg/L	1 U	1 U	1 U	1 U	1 U
Dichloromethane	µg/L	5 U	5 U	5 U	5 U	5 U
Methyl ethyl ketone	µg/L	10 U	10 U	10 U	10 U	10 U
Methyl iso butyl ketone	µg/L	10 U	10 U	10 U	10 U	10 U
trans-1,3-Dichloropropene	µg/L	1 U	1 U	1 U	1 U	1 U
Vinyl acetate	µg/L	10 U	10 U	10 U	10 U	10 U
BTEX						
Benzene	µg/L	1 U	1 U	1 U	1 U	1 U
Toluene	µg/L	1 U	1 U	1 U	1 U	1 U
Ethylbenzene	µg/L	1 U	1 U	1 U	1 U	1 U
Xylene (total)	µg/L	1 U	1 U	1 U	1 U	1 U
Alkylated Benzenes						
Styrene	µg/L	1 U	1 U	1 U	1 U	1 U
Conventionals						
Salinity	ppt	17.69	21.75	24.58	25.43	7.56

	Event	**Hart Crowser's Post-RI Sampling (April 1994)**				
	Location	S-1	S-2	S-3	S-4	S-5
	SampleID	**S-1**	**S-2**	**S-3**	**S-4**	**S-5**
	Depth (bgs)	0 ft	0 ft	0 ft	0 ft	0 ft
	Sample Date	04/28/1994	04/28/1994	04/28/1994	04/28/1994	04/28/1994
Volatile Organic Compounds						
Tetrachloroethene	µg/L	3	760	1 U	1 U	1 U
Trichloroethene	µg/L	2	370	1 U	1	1 U
1,2-Dichloroethene (total)	µg/L	7	110	1 U	19	1 U
1,1-Dichloroethene	µg/L	1 U	1 U	1 U	1	1 U
Vinyl chloride	µg/L	1 U	1 U	1 U	1	1 U
1,1,1-Trichloroethane	µg/L	1 U	1 U	1 U	1 U	1 U
1,1,2,2-Tetrachloroethane	µg/L	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichloroethane	µg/L	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	µg/L	2	1	1 U	2	1 U
Chloroethane	µg/L	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethane	µg/L	1 U	1 U	1 U	1 U	1 U
1,2-Dichloropropane	µg/L	1 U	1 U	1 U	1 U	1 U
2-Hexanone	µg/L	10 U	10 U	10 U	10 U	10 U
Acetone	µg/L	10 U	10 U	10 U	10 U	10 U
Bromodichloromethane	µg/L	1 U	1 U	1 U	1 U	1 U
Bromoform	µg/L	5 U	5 U	5 U	5 U	5 U
Bromomethane	µg/L	10 U	10 U	10 U	10 U	10 U
Carbon disulfide	µg/L	1 U	1 U	1 U	1 U	1 U
Carbon tetrachloride	µg/L	1 U	1 U	1 U	1 U	1 U
Chlorobenzene	µg/L	1 U	1 U	1 U	1 U	1 U
Chloroform	µg/L	1 U	1 U	1 U	1 U	1 U
Chloromethane	µg/L	10 U	10 U	10 U	10 U	10 U
cis-1,3-Dichloropropene	µg/L	1 U	1 U	1 U	1 U	1 U
Dibromochloromethane	µg/L	1 U	1 U	1 U	1 U	1 U
Dichloromethane	µg/L	5 U	5 U	5 U	5 U	5 U
Methyl ethyl ketone	µg/L	10 U	10 U	10 U	10 U	10 U
Methyl iso butyl ketone	µg/L	10 U	10 U	10 U	10 U	10 U
trans-1,3-Dichloropropene	µg/L	1 U	1 U	1 U	1 U	1 U
Vinyl acetate	µg/L	10 U	10 U	10 U	10 U	10 U
BTEX						
Benzene	µg/L	1 U	1 U	1 U	1 U	1 U
Toluene	µg/L	1 U	1 U	1 U	1 U	1 U
Ethylbenzene	µg/L	1 U	1 U	1 U	1 U	1 U
Xylene (total)	µg/L	1 U	1 U	1 U	1 U	1 U
Alkylated Benzenes						
Styrene	µg/L	1 U	1 U	1 U	1 U	1 U
Conventionals						
Salinity	ppt	12.03	2.57	8.08	3.6	5.91

	Event	Hart Crowser's Post-RI Sampling (April 1994)				
	Location	S-6	S-8			
	SampleID	**S-6**	**S-8**			
	Depth (bgs)	0 ft	0 ft			
	Sample Date	04/28/1994	04/28/1994			
Volatile Organic Compounds						
Tetrachloroethene	µg/L	1 U	810			
Trichloroethene	µg/L	1 U	400			
1,2-Dichloroethene (total)	µg/L	1 U	110			
1,1-Dichloroethene	µg/L	1 U	1 U			
Vinyl chloride	µg/L	1 U	1 U			
1,1,1-Trichloroethane	µg/L	1 U	1 U			
1,1,2,2-Tetrachloroethane	µg/L	1 U	1 U			
1,1,2-Trichloroethane	µg/L	1 U	1 U			
1,1-Dichloroethane	µg/L	1 U	2			
Chloroethane	µg/L	1 U	1 U			
1,2-Dichloroethane	µg/L	1 U	1 U			
1,2-Dichloropropane	µg/L	1 U	1 U			
2-Hexanone	µg/L	10 U	10 U			
Acetone	µg/L	10 U	10 U			
Bromodichloromethane	µg/L	1 U	1 U			
Bromoform	µg/L	5 U	5 U			
Bromomethane	µg/L	10 U	10 U			
Carbon disulfide	µg/L	1 U	1 U			
Carbon tetrachloride	µg/L	1 U	1 U			
Chlorobenzene	µg/L	1 U	1 U			
Chloroform	µg/L	1 U	1 U			
Chloromethane	µg/L	10 U	10 U			
cis-1,3-Dichloropropene	µg/L	1 U	1 U			
Dibromochloromethane	µg/L	1 U	1 U			
Dichloromethane	µg/L	5 U	5 U			
Methyl ethyl ketone	µg/L	10 U	10 U			
Methyl iso butyl ketone	µg/L	10 U	10 U			
trans-1,3-Dichloropropene	µg/L	1 U	1 U			
Vinyl acetate	µg/L	10 U	10 U			
BTEX						
Benzene	µg/L	1 U	1 U			
Toluene	µg/L	1 U	1 U			
Ethylbenzene	µg/L	1 U	1 U			
Xylene (total)	µg/L	1 U	1 U			
Alkylated Benzenes						
Styrene	µg/L	1 U	1 U			
Conventionals						
Salinity	ppt	12.03				

Table F.4
Chemistry Data for Surface Water Samples

	Event	**Annual Monitoring of GWC wells (1999)**				
	Location	S-7 (HC)	S-7 (HC)	S-9	S-10	
	SampleID	**S-7**	**S-7**	**S-9**	**S-10**	
	Depth (bgs)	0 ft	0 ft	0 ft	0 ft	
	Sample Date	10/29/1999	11/22/1999	10/29/1999	10/29/1999	
Volatile Organic Compounds						
Tetrachloroethene	µg/L	1 U	1 U	1 U	1 U	
Trichloroethene	µg/L	1 U	1 U	1 U	1 U	
cis-1,2-Dichloroethene	µg/L	1.3	1.3	1 U	1 U	
trans-1,2-Dichloroethene	µg/L	1 U	1 U	1 U	1 U	
1,1-Dichloroethene	µg/L	1 U	1 U	1 U	1 U	
Vinyl chloride	µg/L	1 U	1 U	1 U	1 U	
1,1,1,2-Tetrachloroethane	µg/L	1 U	1 U	1 U	1 U	
1,1,1-Trichloroethane	µg/L	1 U	1 U	1 U	1 U	
1,1,2,2-Tetrachloroethane	µg/L	1 U	1 U	1 U	1 U	
1,1,2-Trichloroethane	µg/L	1 U	1 U	1 U	1 U	
1,1-Dichloroethane	µg/L	1 U	1 U	1 U	1 U	
Chloroethane	µg/L	1 U	1 U	1 U	1 U	
1,1-Dichloropropene	µg/L	1 U	1 U	1 U	1 U	
1,2,3-Trichlorobenzene	µg/L	1 U	1 U	1 U	1 U	
1,2,3-Trichloropropane	µg/L	1 U	1 U	1 U	1 U	
1,2,4-Trichlorobenzene	µg/L	1 U	1 U	0.5 U	0.5 U	
1,2-Dibromo-3-chloropropane	µg/L	5 U	5 U	5 U	5 U	
1,2-Dibromoethane	µg/L	1 U	1 U	1 U	1 U	
1,2-Dichlorobenzene	µg/L	1 U	1 U	0.5 U	0.5 U	
1,2-Dichloroethane	µg/L	1 U	1 U	1 U	1 U	
1,2-Dichloropropane	µg/L	1 U	1 U	1 U	1 U	
1,3-Dichlorobenzene	µg/L	1 U	1 U	0.5 U	0.5 U	
1,3-Dichloropropane	µg/L	1 U	1 U	1 U	1 U	
1,4-Dichlorobenzene	µg/L	1 U	1 U	0.5 U	0.5 U	
2,2-Dichloropropane	µg/L	1 U	1 U	1 U	1 U	
2-Chloroethyl vinyl ether	µg/L	5 UJ	5 UJ	5 U	5 U	
2-Chlorotoluene	µg/L	1 U	1 U	1 U	1 U	
4-Chlorotoluene	µg/L	1 U	1 U	1 U	1 U	
Acetone	µg/L	5 UB	5 UB	5 UB	5 UB	
Bromobenzene	µg/L	1 U	1 U	1 U	1 U	
Bromodichloromethane	µg/L	1 U	1 U	1 U	1 U	
Bromoform	µg/L	1 U	1 U	1 U	1 U	
Bromomethane	µg/L	1 U	1 U	1 U	1 U	
Carbon disulfide	µg/L	1 U	1 U	1 U	1 U	
Carbon tetrachloride	µg/L	1 U	1 U	1 U	1 U	
Chlorobenzene	µg/L	1 U	1 U	1 U	1 U	
Chloroform	µg/L	1 U	1 U	1 U	1 U	
Chloromethane	µg/L	1 U	1 U	1 U	1 U	
cis-1,3-Dichloropropene	µg/L	1 U	1 U	1 U	1 U	
Dibromochloromethane	µg/L	1 U	1 U	1 U	1 U	
Dibromomethane	µg/L	1 U	1 U	1 U	1 U	
Dichlorodifluoromethane	µg/L	1 UJ	1 UJ	1 U	1 U	
Dichloromethane	µg/L	5 UJ	5 UJ	5 U	5 U	
Methyl ethyl ketone	µg/L	20 U	20 U	20 U	20 U	

	Event	Annual Monitoring of GWC wells (1999)				
	Location	S-7 (HC)	S-7 (HC)	S-9	S-10	
	SampleID	**S-7**	**S-7**	**S-9**	**S-10**	
	Depth (bgs)	0 ft	0 ft	0 ft	0 ft	
	Sample Date	10/29/1999	11/22/1999	10/29/1999	10/29/1999	
Volatile Organic Compounds						
Methyl iso butyl ketone	µg/L	5 U	5 U	5 U	5 U	
trans-1,3-Dichloropropene	µg/L	1 U	1 U	1 U	1 U	
Trichlorofluoromethane	µg/L	1 U	1 U	1 U	1 U	
Vinyl acetate	µg/L	5 UJ	5 UJ	5 U	5 U	
BTEX						
Benzene	µg/L	1 U	1 U	1 U	1 U	
Toluene	µg/L	1 U	1 U	1 U	1 U	
Ethylbenzene	µg/L	1 U	1 U	1 U	1 U	
Xylene (meta & para)	µg/L	2 U	2 U	2 U	2 U	
Xylene (ortho)	µg/L	1 U	1 U	1 U	1 U	
Xylene (total)	µg/L	2 U	2 U	2 U	2 U	
Alkylated Benzenes						
1,3,5-Trimethylbenzene	µg/L	1 U	1 U	1 U	1 U	
n-Propylbenzene	µg/L	1 U	1 U	1 U	1 U	
1,2,4-Trimethylbenzene	µg/L	1 U	1 U	1 U	1 U	
iso-Propylbenzene	µg/L	1 U	1 U	1 U	1 U	
iso-Propyltoluene	µg/L	1 U	1 U	1 U	1 U	
n-Butylbenzene	µg/L	1 U	1 U	1 U	1 U	
sec-Butylbenzene	µg/L	1 U	1 U	1 U	1 U	
Styrene	µg/L	1 U	1 U	1 U	1 U	
tert-Butylbenzene	µg/L	1 U	1 U	1 U	1 U	
Semivolatile Organic Compounds						
Benzo(a)anthracene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	
Benzo(a)pyrene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	
Benzo(g,h,i)perylene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	
Benzo(b)fluoranthene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	
Benzo(k)fluoranthene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	
Chrysene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	
Dibenzo(a,h)anthracene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	
Fluoranthene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	
Indeno(1,2,3-cd)pyrene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	
Pyrene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	
Acenaphthene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	
Acenaphthylene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	
Anthracene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	
Fluorene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	
Naphthalene	µg/L	1 U	1 U	1 U	0.5 UB	
Phenanthrene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	
bis(2-ethylhexyl)phthalate	µg/L	0.5 UB	0.5 UB	0.5 UB	0.5 UB	
Di-n-butyl phthalate	µg/L	0.5 UB	0.5 UB	0.5 UB	0.5 UB	
Butyl benzyl phthalate	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	
Diethylphthalate	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	
Dimethyl phthalate	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	
Di-n-octyl phthalate	µg/L	0.5 U	0.5 U	5 U	5 U	
Pentachlorophenol	µg/L	0.5 U	0.5 U	0.5 U	5 U	
2,4-Dichlorophenol	µg/L	0.5 U	0.5 U	5 U	5 U	
2,4,5-Trichlorophenol	µg/L	0.5 U	0.5 U	5 U	5 U	
2,4,6-Trichlorophenol	µg/L	0.5 U	0.5 U	5 U	5 U	

	Event	Annual Monitoring of GWC wells (1999)				
	Location	S-7 (HC)	S-7 (HC)	S-9	S-10	
	SampleID	**S-7**	**S-7**	**S-9**	**S-10**	
	Depth (bgs)	0 ft	0 ft	0 ft	0 ft	
	Sample Date	10/29/1999	11/22/1999	10/29/1999	10/29/1999	
Semivolatile Organic Compounds						
2-Chlorophenol	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	
2,4-Dimethylphenol	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	
2,4-Dinitrophenol	µg/L	0.5 U	0.5 U	5 U	5 U	
2,4-Dinitrotoluene	µg/L	0.5 U	0.5 U	5 U	5 U	
2,6-Dinitrotoluene	µg/L	0.5 U	0.5 U	5 U	5 U	
2-Chloronaphthalene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	
2-Methylphenol	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	
2-Nitroaniline	µg/L	0.5 U	0.5 U	5 U	5 U	
2-Nitrophenol	µg/L	0.5 U	0.5 U	5 U	5 U	
3,3'-Dichlorobenzidine	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	
2-Methylnaphthalene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	
3-Nitroaniline	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	
4,6-Dinitro-o-cresol	µg/L	0.5 U	0.5 U	5 U	5 U	
4-Bromophenyl phenyl ether	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	
4-Chloro-3-methylphenol	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	
4-Chloroaniline	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	
4-Chlorophenyl phenyl ether	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	
4-Methylphenol	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	
4-Nitroaniline	µg/L	0.5 U	0.5 U	5 U	5 U	
4-Nitrophenol	µg/L	0.5 UB	0.5 UB	5 UJ	5 UJ	
Aniline	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	
Benzidine	µg/L	0.5 U	0.5 U	13 U	13 U	
Benzoic acid	µg/L	0.5 U	0.5 U	13 U	13 U	
Benzyl alcohol	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	
bis(2-chloroethoxy)methane	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	
bis(2-chloroethyl)ether	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	
bis(2-chloroisopropyl)ether	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	
Carbazole	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	
Dibenzofuran	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	
Hexachlorobenzene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	
Hexachlorobutadiene	µg/L	1 U	1 U	1 U	0.5 U	
Hexachlorocyclopentadiene	µg/L	0.5 U	0.5 U	5 U	5 U	
Hexachloroethane	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	
Isophorone	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	
Nitrobenzene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	
N-Nitroso-di-n-propylamine	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	
N-Nitrosodiphenylamine	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	
Phenol	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	
Conventionals						
Salinity	s/cm	3.2	3.2			

	Event	Terra Vac's Annual Monitoring (1998)				
	Location	S-7 (HC)	S-10			
	SampleID	**S-7**	**S-10**			
	Depth (bgs)	0 ft	0 ft			
	Sample Date	11/06/1998	11/06/1998			
Volatile Organic Compounds						
Tetrachloroethene	µg/L	1 U	1 U			
Trichloroethene	µg/L	1 U	1 U			
cis-1,2-Dichloroethene	µg/L	1 U	1 U			
trans-1,2-Dichloroethene	µg/L	1 U	1 U			
1,1-Dichloroethene	µg/L	1 U	1 U			
Vinyl chloride	µg/L	1 U	1 U			
1,1,1,2-Tetrachloroethane	µg/L	1 U	1 U			
1,1,1-Trichloroethane	µg/L	1 U	1 U			
1,1,2,2-Tetrachloroethane	µg/L	1 U	1 U			
1,1,2-Trichloroethane	µg/L	1 U	1 U			
1,1-Dichloroethane	µg/L	1 U	1 U			
Chloroethane	µg/L	1 U	1 U			
1,1-Dichloropropene	µg/L	1 U	1 U			
1,2,3-Trichlorobenzene	µg/L	1 U	1 U			
1,2,3-Trichloropropane	µg/L	5 U	5 U			
1,2,4-Trichlorobenzene	µg/L	1 U	1 U			
1,2-Dibromo-3-chloropropane	µg/L	5 U	5 U			
1,2-Dibromoethane	µg/L	1 U	1 U			
1,2-Dichlorobenzene	µg/L	1 U	1 U			
1,2-Dichloroethane	µg/L	1 U	1 U			
1,2-Dichloropropane	µg/L	1 U	1 U			
1,3-Dichlorobenzene	µg/L	1 U	1 U			
1,3-Dichloropropane	µg/L	1 U	1 U			
1,4-Dichlorobenzene	µg/L	1 U	1 U			
2,2-Dichloropropane	µg/L	1 U	1 U			
2-Chlorotoluene	µg/L	1 U	1 U			
4-Chlorotoluene	µg/L	1 U	1 U			
Bromobenzene	µg/L	1 U	1 U			
Bromodichloromethane	µg/L	1 U	1 U			
Bromoform	µg/L	1 U	1 U			
Bromomethane	µg/L	1 U	1 U			
Carbon tetrachloride	µg/L	5 U	5 U			
Chlorobenzene	µg/L	1 U	1 U			
Chloroform	µg/L	1 U	1 U			
Chloromethane	µg/L	1 U	1 U			
cis-1,3-Dichloropropene	µg/L	1 U	1 U			
Dibromochloromethane	µg/L	1 U	1 U			
Dibromomethane	µg/L	1 U	1 U			
Dichlorodifluoromethane	µg/L	1 U	1 U			
Dichloromethane	µg/L	5 U	5 U			
trans-1,3-Dichloropropene	µg/L	1 U	1 U			
Trichlorofluoromethane	µg/L	1 U	1 U			
BTEX						
Benzene	µg/L	1 U	1 U			
Toluene	µg/L	1 U	1 U			
Ethylbenzene	µg/L	1 U	1 U			
Xylene (meta & para)	µg/L	2 U	2 U			
Xylene (ortho)	µg/L	1 U	1 U			

	Event	Terra Vac's Annual Monitoring (1998)				
	Location	S-7 (HC)	S-10			
	SampleID	**S-7**	**S-10**			
	Depth (bgs)	0 ft	0 ft			
	Sample Date	11/06/1998	11/06/1998			
BTEX						
Xylene (total)	µg/L	2 U	2 U			
Alkylated Benzenes						
1,3,5-Trimethylbenzene	µg/L	1 U	1 U			
n-Propylbenzene	µg/L	1 U	1 U			
1,2,4-Trimethylbenzene	µg/L	1 U	1 U			
iso-Propylbenzene	µg/L	1 U	1 U			
iso-Propyltoluene	µg/L	1 U	1 U			
n-Butylbenzene	µg/L	1 U	1 U			
sec-Butylbenzene	µg/L	1 U	1 U			
Styrene	µg/L	1 U	1 U			
tert-Butylbenzene	µg/L	1 U	1 U			
Semivolatile Organic Compounds						
Naphthalene	µg/L	5 U	5 U			
Hexachlorobutadiene	µg/L	1 U	1 U			
Conventionals						
Salinity	s/cm	5	4.8			

	Event	Terra Vac's Gore-Sorber® Embayment Study				
	Location	S-10	S-15	River		
	SampleID	**S-10**	**S-15**	**River**		
	Depth (bgs)	0 ft	0 ft	0 ft		
	Sample Date	04/28/1998	12/04/1998	04/28/1998		
Volatile Organic Compounds						
Tetrachloroethene	µg/L	1 U	25	1 U		
Trichloroethene	µg/L	1 U	11	1 U		
cis-1,2-Dichloroethene	µg/L		66			
trans-1,2-Dichloroethene	µg/L	1 U	6.6	1 U		
1,1-Dichloroethene	µg/L	1 U	1 U	1 U		
Vinyl chloride	µg/L	1 U	1 U	1 U		
1,1,1,2-Tetrachloroethane	µg/L		1 U			
1,1,1-Trichloroethane	µg/L	1 U	1 U	1 U		
1,1,2,2-Tetrachloroethane	µg/L	1 U	1 U	1 U		
1,1,2-Trichloroethane	µg/L	5 U	1 U	5 U		
1,1-Dichloroethane	µg/L	1 U	1 U	1 U		
Chloroethane	µg/L	1 U	1 U	1 U		
1,1-Dichloropropene	µg/L		1 U			
1,2,3-Trichlorobenzene	µg/L		1 U			
1,2,3-Trichloropropane	µg/L	1 U	5 U	1 U		
1,2,4-Trichlorobenzene	µg/L		1 U			
1,2-Dibromo-3-chloropropane	µg/L		5 U			
1,2-Dibromoethane	µg/L		1 U			
1,2-Dichlorobenzene	µg/L		1 U			
1,2-Dichloroethane	µg/L	1 U	1.3	1 U		
1,2-Dichloropropane	µg/L	5 U	1 U	5 U		
1,3-Dichlorobenzene	µg/L		1 U			
1,3-Dichloropropane	µg/L		1 U			
1,4-Dichlorobenzene	µg/L		1 U			
2,2-Dichloropropane	µg/L		1 U			
2-Chlorotoluene	µg/L		1 U			
2-Hexanone	µg/L	5 U		5 U		
4-Chlorotoluene	µg/L		1 U			
Acetone	µg/L	5 U		13 UB		
Bromobenzene	µg/L		1 U			
Bromodichloromethane	µg/L	1 U	1 U	1 U		
Bromoform	µg/L	1 U	1 U	1 U		
Bromomethane	µg/L	1 U	1 U	1 U		
Carbon disulfide	µg/L	5 U		5 U		
Carbon tetrachloride	µg/L	5 U	5 U	5 U		
Chlorobenzene	µg/L	1 U	1 U	1 U		
Chloroform	µg/L	1 U	1 U	1 U		
Chloromethane	µg/L	1 U	1 U	1 U		
cis-1,3-Dichloropropene	µg/L	1 U	1 U	1 U		
Dibromochloromethane	µg/L	1 U	1 U	1 U		
Dibromomethane	µg/L	1 U	1 U	1 U		
Dichlorodifluoromethane	µg/L	1 U	1 U	1 U		
Dichloromethane	µg/L	1 U	5 U	1 U		
Iodomethane	µg/L	1 U		1 U		
Methyl ethyl ketone	µg/L	5 U		5 U		
Methyl iso butyl ketone	µg/L	5 U		5 U		
trans-1,3-Dichloropropene	µg/L	1 U	1 U	1 U		
trans-1,4-Dichloro-2-butene	µg/L	5 U		5 U		

	Event	**Terra Vac's Gore-Sorber® Embayment Study**				
	Location	S-10	S-15	River		
	SampleID	**S-10**	**S-15**	**River**		
	Depth (bgs)	0 ft	0 ft	0 ft		
	Sample Date	04/28/1998	12/04/1998	04/28/1998		
Volatile Organic Compounds						
Trichlorofluoromethane	µg/L	1 U	1 U	1 U		
Vinyl acetate	µg/L	5 U		5 U		
BTEX						
Benzene	µg/L	1 U	1 U	1 U		
Toluene	µg/L	1 U	1 U	1 U		
Ethylbenzene	µg/L	1 U	1 U	1 U		
Xylene (meta & para)	µg/L	2 U	2 U	2 U		
Xylene (ortho)	µg/L	1 U	1 U	1 U		
Xylene (total)	µg/L	2 U	2 U	2 U		
Alkylated Benzenes						
1,3,5-Trimethylbenzene	µg/L		1 U			
n-Propylbenzene	µg/L		1 U			
1,2,4-Trimethylbenzene	µg/L		1 U			
iso-Propylbenzene	µg/L		1 U			
iso-Propyltoluene	µg/L		1 U			
n-Butylbenzene	µg/L		1 U			
sec-Butylbenzene	µg/L		1 U			
Styrene	µg/L	1 U	1 U	1 U		
tert-Butylbenzene	µg/L		1 U			
Semivolatile Organic Compounds						
Naphthalene	µg/L		5 U			
Hexachlorobutadiene	µg/L		1 U			
Conventionals						
Salinity	g/L			6.2		
Salinity	s/cm		6.5			

	Event	Terra Vac's Annual Monitoring (1997)				
	Location	S-10				
	SampleID	**S-10**				
	Depth (bgs)	0 ft				
	Sample Date	11/04/1997				
Volatile Organic Compounds						
Tetrachloroethene	µg/L	1 U				
Trichloroethene	µg/L	1 U				
1,2-Dichloroethene (total)	µg/L	1 U				
1,1-Dichloroethene	µg/L	1 U				
Vinyl chloride	µg/L	1 U				
1,1,1-Trichloroethane	µg/L	1 U				
1,1,2,2-Tetrachloroethane	µg/L	1 U				
1,1,2-Trichloroethane	µg/L	1 U				
1,1-Dichloroethane	µg/L	1 U				
Chloroethane	µg/L	1 U				
1,2-Dichloroethane	µg/L	1 U				
1,2-Dichloropropane	µg/L	1 U				
2-Hexanone	µg/L	10 U				
Acetone	µg/L	10 U				
Bromodichloromethane	µg/L	1 U				
Bromoform	µg/L	5 U				
Bromomethane	µg/L	10 U				
Carbon disulfide	µg/L	10 U				
Carbon tetrachloride	µg/L	1 U				
Chlorobenzene	µg/L	1 U				
Chloroform	µg/L	1 U				
Chloromethane	µg/L	10 U				
cis-1,3-Dichloropropene	µg/L	1 U				
Dibromochloromethane	µg/L	1 U				
Dichloromethane	µg/L	5 U				
Methyl ethyl ketone	µg/L	10 U				
Methyl iso butyl ketone	µg/L	10 U				
trans-1,3-Dichloropropene	µg/L	1 U				
Vinyl acetate	µg/L	10 U				
BTEX						
Benzene	µg/L	1 U				
Toluene	µg/L	1 U				
Ethylbenzene	µg/L	1 U				
Xylene (total)	µg/L	1 U				
Alkylated Benzenes						
Styrene	µg/L	1 U				
Conventionals						
Salinity	g/L	1.1				

	Event	Hart Crowser's Annual Monitoring (December 1996)				
	Location	S-10				
	SampleID	**S-10**				
	Depth (bgs)	0 ft				
	Sample Date	12/11/1996				
Volatile Organic Compounds						
Tetrachloroethene	µg/L	1 U				
Trichloroethene	µg/L	1 U				
1,2-Dichloroethene (total)	µg/L	1 U				
1,1-Dichloroethene	µg/L	1 U				
Vinyl chloride	µg/L	1 U				
1,1,1-Trichloroethane	µg/L	1 U				
1,1,2,2-Tetrachloroethane	µg/L	1 U				
1,1,2-Trichloroethane	µg/L	1 U				
1,1-Dichloroethane	µg/L	1 U				
Chloroethane	µg/L	1 U				
1,2-Dichloroethane	µg/L	1 U				
1,2-Dichloropropane	µg/L	1 U				
2-Hexanone	µg/L	10 U				
Acetone	µg/L	10 U				
Bromodichloromethane	µg/L	1 U				
Bromoform	µg/L	5 U				
Bromomethane	µg/L	10 U				
Carbon disulfide	µg/L	10 U				
Carbon tetrachloride	µg/L	1 U				
Chlorobenzene	µg/L	1 U				
Chloroform	µg/L	1 U				
Chloromethane	µg/L	10 U				
cis-1,3-Dichloropropene	µg/L	1 U				
Dibromochloromethane	µg/L	1 U				
Dichloromethane	µg/L	5 U				
Methyl ethyl ketone	µg/L	10 U				
Methyl iso butyl ketone	µg/L	10 U				
trans-1,3-Dichloropropene	µg/L	1 U				
Vinyl acetate	µg/L	10 U				
BTEX						
Benzene	µg/L	1 U				
Toluene	µg/L	1 U				
Ethylbenzene	µg/L	1 U				
Xylene (total)	µg/L	1 U				
Alkylated Benzenes						
Styrene	µg/L	1 U				

	Event	Hart Crowser's Annual Monitoring (1995)				
	Location	S-10				
	SampleID	**S-10**				
	Depth (bgs)	0 ft				
	Sample Date	10/27/1995				
Volatile Organic Compounds						
Tetrachloroethene	µg/L	1 U				
Trichloroethene	µg/L	1 U				
1,2-Dichloroethene (total)	µg/L	1 U				
1,1-Dichloroethene	µg/L	1 U				
Vinyl chloride	µg/L	1 U				
1,1,1-Trichloroethane	µg/L	1 U				
1,1,2,2-Tetrachloroethane	µg/L	1 U				
1,1,2-Trichloroethane	µg/L	1 U				
1,1-Dichloroethane	µg/L	1 U				
Chloroethane	µg/L	1 U				
1,2-Dichloroethane	µg/L	1 U				
1,2-Dichloropropane	µg/L	1 U				
2-Hexanone	µg/L	10 U				
Acetone	µg/L	10 U				
Bromodichloromethane	µg/L	1 U				
Bromoform	µg/L	5 U				
Bromomethane	µg/L	10 U				
Carbon disulfide	µg/L	1 U				
Carbon tetrachloride	µg/L	1 U				
Chlorobenzene	µg/L	1 U				
Chloroform	µg/L	1 U				
Chloromethane	µg/L	10 U				
cis-1,3-Dichloropropene	µg/L	1 U				
Dibromochloromethane	µg/L	1 U				
Dichloromethane	µg/L	5 U				
Methyl ethyl ketone	µg/L	10 U				
Methyl iso butyl ketone	µg/L	10 U				
trans-1,3-Dichloropropene	µg/L	1 U				
Vinyl acetate	µg/L	10 U				
BTEX						
Benzene	µg/L	1 U				
Toluene	µg/L	1 U				
Ethylbenzene	µg/L	1 U				
Xylene (total)	µg/L	1 U				
Alkylated Benzenes						
Styrene	µg/L	1 U				

	Event	Hart Crowser's Post-RI Sampling (May 1995)				
	Location	S-10				
	SampleID	**S-10**				
	Depth (bgs)	0 ft				
	Sample Date	05/15/1995				
Volatile Organic Compounds						
Tetrachloroethene	µg/L	1 U				
Trichloroethene	µg/L	1 U				
1,2-Dichloroethene (total)	µg/L	1 U				
1,1-Dichloroethene	µg/L	1 U				
Vinyl chloride	µg/L	1 U				
1,1,1-Trichloroethane	µg/L	1 U				
1,1,2,2-Tetrachloroethane	µg/L	1 U				
1,1,2-Trichloroethane	µg/L	1 U				
1,1-Dichloroethane	µg/L	1 U				
Chloroethane	µg/L	1 U				
1,2-Dichloroethane	µg/L	1 U				
1,2-Dichloropropane	µg/L	1 U				
2-Hexanone	µg/L	10 U				
Acetone	µg/L	10 U				
Bromodichloromethane	µg/L	1 U				
Bromoform	µg/L	5 U				
Bromomethane	µg/L	10 U				
Carbon disulfide	µg/L	1 U				
Carbon tetrachloride	µg/L	1 U				
Chlorobenzene	µg/L	1 U				
Chloroform	µg/L	1 U				
Chloromethane	µg/L	10 U				
cis-1,3-Dichloropropene	µg/L	1 U				
Dibromochloromethane	µg/L	1 U				
Dichloromethane	µg/L	8 U				
Methyl ethyl ketone	µg/L	10 U				
Methyl iso butyl ketone	µg/L	10 U				
trans-1,3-Dichloropropene	µg/L	1 U				
Vinyl acetate	µg/L	10 U				
BTEX						
Benzene	µg/L	1 U				
Toluene	µg/L	1 U				
Ethylbenzene	µg/L	1 U				
Xylene (total)	µg/L	1 U				
Alkylated Benzenes						
Styrene	µg/L	1 U				

	Event	Hart Crowser's Post-RI Sampling (November 1994)				
	Location	S-10				
	SampleID	**S-10**				
	Depth (bgs)	0 ft				
	Sample Date	11/04/1994				
Volatile Organic Compounds						
Tetrachloroethene	µg/L	1 U				
Trichloroethene	µg/L	1 U				
1,2-Dichloroethene (total)	µg/L	1 U				
1,1-Dichloroethene	µg/L	1 U				
Vinyl chloride	µg/L	1 U				
1,1,1-Trichloroethane	µg/L	1 U				
1,1,2,2-Tetrachloroethane	µg/L	1 U				
1,1,2-Trichloroethane	µg/L	1 U				
1,1-Dichloroethane	µg/L	1 U				
Chloroethane	µg/L	1 U				
1,2-Dichloroethane	µg/L	1 U				
1,2-Dichloropropane	µg/L	1 U				
2-Hexanone	µg/L	10 U				
Acetone	µg/L	12 U				
Bromodichloromethane	µg/L	1 U				
Bromoform	µg/L	5 U				
Bromomethane	µg/L	10 U				
Carbon disulfide	µg/L	1 U				
Carbon tetrachloride	µg/L	1 U				
Chlorobenzene	µg/L	1 U				
Chloroform	µg/L	1 U				
Chloromethane	µg/L	10 U				
cis-1,3-Dichloropropene	µg/L	1 U				
Dibromochloromethane	µg/L	1 U				
Dichloromethane	µg/L	5 U				
Methyl ethyl ketone	µg/L	10 U				
Methyl iso butyl ketone	µg/L	10 U				
trans-1,3-Dichloropropene	µg/L	1 U				
Vinyl acetate	µg/L	10 U				
BTEX						
Benzene	µg/L	1 U				
Toluene	µg/L	1 U				
Ethylbenzene	µg/L	1 U				
Xylene (total)	µg/L	1 U				
Alkylated Benzenes						
Styrene	µg/L	1 U				

	Event	**Hart Crowser's Post-RI Sampling (July 1994)**				
	Location	S-9	S-10			
	SampleID	**S-9**	**S-10**			
	Depth (bgs)	0 ft	0 ft			
	Sample Date	07/22/1994	07/22/1994			
Volatile Organic Compounds						
Tetrachloroethene	µg/L	1 U	1 U			
Trichloroethene	µg/L	1 U	1 U			
1,2-Dichloroethene (total)	µg/L	1 U	1 U			
1,1-Dichloroethene	µg/L	1 U	1 U			
Vinyl chloride	µg/L	1 U	1 U			
1,1,1-Trichloroethane	µg/L	1 U	1 U			
1,1,2,2-Tetrachloroethane	µg/L	1 U	1 U			
1,1,2-Trichloroethane	µg/L	1 U	1 U			
1,1-Dichloroethane	µg/L	1 U	1 U			
Chloroethane	µg/L	1 U	1 U			
1,2-Dichloroethane	µg/L	2	1 U			
1,2-Dichloropropane	µg/L	1 U	1 U			
2-Hexanone	µg/L	10 U	10 U			
Acetone	µg/L	10 U	10 U			
Bromodichloromethane	µg/L	1 U	1 U			
Bromoform	µg/L	5 U	5 U			
Bromomethane	µg/L	10 U	10 U			
Carbon disulfide	µg/L	1 U	1 U			
Carbon tetrachloride	µg/L	1 U	1 U			
Chlorobenzene	µg/L	1 U	1 U			
Chloroform	µg/L	1 U	1 U			
Chloromethane	µg/L	10 U	10 U			
cis-1,3-Dichloropropene	µg/L	1 U	1 U			
Dibromochloromethane	µg/L	1 U	1 U			
Dichloromethane	µg/L	5 U	5 U			
Methyl ethyl ketone	µg/L	10 U	10 U			
Methyl iso butyl ketone	µg/L	10 U	10 U			
trans-1,3-Dichloropropene	µg/L	1 U	1 U			
Vinyl acetate	µg/L	10 U	10 U			
BTEX						
Benzene	µg/L	1 U	1 U			
Toluene	µg/L	1 U	1 U			
Ethylbenzene	µg/L	1 U	1 U			
Xylene (total)	µg/L	1 U	1 U			
Alkylated Benzenes						
Styrene	µg/L	1 U	1 U			
Conventionals						
Salinity	ppt	13.47	7.11			

	Event	Hart Crowser's Post-RI Sampling (April 1994)				
	Location	S-7 (HC)				
	SampleID	**S-7**				
	Depth (bgs)	0 ft				
	Sample Date	04/28/1994				
Volatile Organic Compounds						
Tetrachloroethene	µg/L	1 U				
Trichloroethene	µg/L	1 U				
1,2-Dichloroethene (total)	µg/L	1 U				
1,1-Dichloroethene	µg/L	1 U				
Vinyl chloride	µg/L	1 U				
1,1,1-Trichloroethane	µg/L	1 U				
1,1,2,2-Tetrachloroethane	µg/L	1 U				
1,1,2-Trichloroethane	µg/L	1 U				
1,1-Dichloroethane	µg/L	1 U				
Chloroethane	µg/L	1 U				
1,2-Dichloroethane	µg/L	1 U				
1,2-Dichloropropane	µg/L	1 U				
2-Hexanone	µg/L	10 U				
Acetone	µg/L	10 U				
Bromodichloromethane	µg/L	1 U				
Bromoform	µg/L	5 U				
Bromomethane	µg/L	10 U				
Carbon disulfide	µg/L	1 U				
Carbon tetrachloride	µg/L	1 U				
Chlorobenzene	µg/L	1 U				
Chloroform	µg/L	1 U				
Chloromethane	µg/L	10 U				
cis-1,3-Dichloropropene	µg/L	1 U				
Dibromochloromethane	µg/L	1 U				
Dichloromethane	µg/L	5 U				
Methyl ethyl ketone	µg/L	10 U				
Methyl iso butyl ketone	µg/L	10 U				
trans-1,3-Dichloropropene	µg/L	1 U				
Vinyl acetate	µg/L	10 U				
BTEX						
Benzene	µg/L	1 U				
Toluene	µg/L	1 U				
Ethylbenzene	µg/L	1 U				
Xylene (total)	µg/L	1 U				
Alkylated Benzenes						
Styrene	µg/L	1 U				
Conventionals						
Salinity	ppt	4.89				

Table F.5
Chemistry Data for Sediment Samples

	Event	**Lower Duwamish Waterway Subsurface Sediment Sampling**				
	Location	LDW-SC41	LDW-SC41	LDW-SC41	LDW-SC41	LDW-SC41
	SampleID	**LDW-SC41-0-1**	**LDW-SC41-1-2**	**LDW-SC41-2-4**	**LDW-SC41-4-6**	**LDW-SC41-6-7.9**
	Depth (bgs)	0-30 cm	30-61 cm	61-122 cm	122-183 cm	183-241 cm
	Sample Date	02/20/2006	02/20/2006	02/20/2006	02/20/2006	02/20/2006
Volatile Organic Compounds						
1,2,4-Trichlorobenzene	µg/kg	5.9 U	5.9 U	5.9 U	6.5 U	
1,2-Dichlorobenzene	µg/kg	5.9 U	5.9 U	5.9 U	6.5 U	
1,3-Dichlorobenzene	µg/kg	59 U	20 UJ	59 U	6.5 U	
1,4-Dichlorobenzene	µg/kg	5.9 U	5.9 U	5.9 U	3.9 J	
Semivolatile Organic Compounds						
Benzo(a)anthracene	µg/kg	200	40 J	130	260	
Benzo(a)pyrene	µg/kg	180	51 J	180	310	
Benzo(g,h,i)perylene	µg/kg	70	20 J	62	140	
Benzo(b)fluoranthene	µg/kg	360	92 J	320	430	
Benzo(k)fluoranthene	µg/kg	240	74 J	280	340	
Chrysene	µg/kg	320	75 J	230	390	
Dibenz(a,h)anthracene	µg/kg	42 J	20 UJ	30 J	96	
Fluoranthene	µg/kg	250	42 J	130	610	
Indeno(1,2,3-cd)pyrene	µg/kg	77	21 J	73	120	
Pyrene	µg/kg	480 J	150 J	510 J	1800	
1-Methylnaphthalene	µg/kg	59 U	20 UJ	59 U	65 U	
Acenaphthene	µg/kg	59 U	20 UJ	59 U	65 U	
Acenaphthylene	µg/kg	59 U	20 UJ	59 U	65 U	
Anthracene	µg/kg	54 J	14 J	45 J	79	
Fluorene	µg/kg	59 U	20 UJ	59 U	65 U	
Naphthalene	µg/kg	59 U	20 UJ	55 J	65 U	
Phenanthrene	µg/kg	120	28 J	90	200	
2-Methylnaphthalene	µg/kg	59 U	20 UJ	59 U	65 U	
bis(2-Ethylhexyl)phthalate	µg/kg	480	69 J	240	430	
Di-n-butylphthalate	µg/kg	59 U	20 UJ	59 U	65 U	
Butylbenzylphthalate	µg/kg	55	15	18	32	
Diethylphthalate	µg/kg	59 U	20 UJ	59 U	65 U	
Dimethylphthalate	µg/kg	59 U	16 J	49 J	20	
Di-n-octylphthalate	µg/kg	59 U	20 UJ	59 U	65 U	
Pentachlorophenol	µg/kg	23 J	17 J	18 J	40	
2,4-Dichlorophenol	µg/kg	300 U	99 UJ	300 U	320 U	
2,4,5-Trichlorophenol	µg/kg	300 U	99 UJ	300 U	320 U	
2,4,6-Trichlorophenol	µg/kg	300 U	99 UJ	300 U	320 U	
2-Chlorophenol	µg/kg	59 U	20 UJ	59 U	65 U	
2,4-Dimethylphenol	µg/kg	5.9 U	5.9 U	5.9 U	6.5 UJ	
2,4-Dinitrophenol	µg/kg	590 UJ	200 UJ	590 UJ	650 U	
2,4-Dinitrotoluene	µg/kg	300 U	99 UJ	300 U	320 U	
2,6-Dinitrotoluene	µg/kg	300 U	99 UJ	300 U	320 U	
2-Chloronaphthalene	µg/kg	59 U	20 UJ	59 U	65 U	
2-Methylphenol	µg/kg	3.5 J	5.9 U	5.9 U	6.5 U	
2-Nitroaniline	µg/kg	300 U	99 UJ	300 U	320 U	
2-Nitrophenol	µg/kg	300 U	99 UJ	300 U	320 U	
3,3'-Dichlorobenzidine	µg/kg	300 UJ	99 UJ	300 UJ	320 U	
3-Nitroaniline	µg/kg	300 UJ	99 UJ	300 UJ	320 U	

	Event	Lower Duwamish Waterway Subsurface Sediment Sampling				
	Location	LDW-SC41	LDW-SC41	LDW-SC41	LDW-SC41	LDW-SC41
	SampleID	**LDW-SC41-0-1**	**LDW-SC41-1-2**	**LDW-SC41-2-4**	**LDW-SC41-4-6**	**LDW-SC41-6-7.9**
	Depth (bgs)	0-30 cm	30-61 cm	61-122 cm	122-183 cm	183-241 cm
	Sample Date	02/20/2006	02/20/2006	02/20/2006	02/20/2006	02/20/2006
Semivolatile Organic Compounds						
4,6-Dinitro-2-methylphenol	µg/kg	590 UJ	200 UJ	590 UJ	650 U	
4-Bromophenyl-phenylether	µg/kg	59 U	20 UJ	59 U	65 U	
4-Chloro-3-methylphenol	µg/kg	300 U	99 UJ	300 U	320 U	
4-Chloroaniline	µg/kg	300 UJ	99 UJ	300 UJ	320 U	
4-Chlorophenyl-phenylether	µg/kg	59 U	20 UJ	59 U	65 U	
4-Methylphenol	µg/kg	59 U	20 UJ	59 U	65 U	
4-Nitroaniline	µg/kg	300 UJ	99 UJ	300 UJ	320 U	
4-Nitrophenol	µg/kg	300 U	99 UJ	300 U	320 U	
Aniline	µg/kg	59 UJ	20 UJ	59 UJ	65 U	
Benzoic acid	µg/kg	290 J	140 J	130 J	580 U	
Benzyl alcohol	µg/kg	25 J	36	21 J	32 U	
bis(2-Chloroethoxy)methane	µg/kg	59 U	20 UJ	59 U	65 U	
bis(2-Chloroethyl)ether	µg/kg	59 U	20 UJ	59 U	65 U	
bis(2-chloroisopropyl)ether	µg/kg	59 U	20 UJ	59 U	65 U	
Dibenzofuran	µg/kg	59 U	20 UJ	59 U	65 U	
Hexachlorobenzene	µg/kg	5.9 U	5.9 U	5.9 U	6.5 U	
Hexachlorobutadiene	µg/kg	5.9 U	5.9 U	5.9 U	6.5 U	
Hexachlorocyclopentadiene	µg/kg	300 U	99 UJ	300 U	320 U	
Hexachloroethane	µg/kg	59 U	20 UJ	59 U	65 U	
Isophorone	µg/kg	59 U	20 UJ	59 U	65 U	
Nitrobenzene	µg/kg	59 U	20 UJ	59 U	65 U	
N-Nitrosodimethylamine	µg/kg	30 U	30 U	30 U	32 U	
N-Nitroso-di-n-propylamine	µg/kg	30 U	30 U	30 U	32 U	
N-Nitrosodiphenylamine	µg/kg	28 UJ	21 UJ	23 UJ	37 U	
Phenol	µg/kg	180	28 J	59 U	65 U	
Dioxin-Furans						
1,2,3,4,6,7,8-HpCDD	ng/kg	430	447	454		
1,2,3,4,7,8-HxCDD	ng/kg	3.03	2.74	2.98		
1,2,3,6,7,8-HxCDD	ng/kg	17.3	14.8	16		
1,2,3,7,8,9-HxCDD	ng/kg	9.39	8.56	10.8		
1,2,3,7,8-PeCDD	ng/kg	1.78	1.65	1.99		
2,3,7,8-TCDD	ng/kg	0.535	0.454 U	0.586		
OCDD	ng/kg	3300	3390	3540		
1,2,3,4,6,7,8-HpCDF	ng/kg	77.1	61.7	66.7		
1,2,3,4,7,8,9-HpCDF	ng/kg	6.58	5.01	5.17		
1,2,3,4,7,8-HxCDF	ng/kg	8.05	5.91	6.82		
1,2,3,6,7,8-HxCDF	ng/kg	3.21	2.31	2.89		
1,2,3,7,8,9-HxCDF	ng/kg	0.251 U	0.239 J	0.217 J		
1,2,3,7,8-PeCDF	ng/kg	1.2	1.03	1.25		
2,3,4,6,7,8-HxCDF	ng/kg	2.31	2.12	2.15		
2,3,4,7,8-PeCDF	ng/kg	2.54	2.02	2.29		
2,3,7,8-TCDF	ng/kg	1.21	0.958	1.17		
OCDF	ng/kg	225	228	191		
Metals						
Antimony	mg/kg	10 UJ	9 UJ	9 UJ		
Arsenic	mg/kg	20	16	16		
Cadmium	mg/kg	0.4 U	0.4	1.3		
Chromium	mg/kg	34	33	32.2		

	Event	Lower Duwamish Waterway Subsurface Sediment Sampling				
	Location	LDW-SC41	LDW-SC41	LDW-SC41	LDW-SC41	LDW-SC41
	SampleID	**LDW-SC41-0-1**	**LDW-SC41-1-2**	**LDW-SC41-2-4**	**LDW-SC41-4-6**	**LDW-SC41-6-7.9**
	Depth (bgs)	0-30 cm	30-61 cm	61-122 cm	122-183 cm	183-241 cm
	Sample Date	02/20/2006	02/20/2006	02/20/2006	02/20/2006	02/20/2006
Metals						
Cobalt	mg/kg	9.2	10	10		
Copper	mg/kg	74.4	68.8	61.9		
Lead	mg/kg	42	31	35		
Mercury	mg/kg	0.21	0.16	0.17		
Molybdenum	mg/kg	1	0.9 U	0.9 U		
Nickel	mg/kg	24	26	25		
Selenium	mg/kg	10 U	9 U	9 U		
Silver	mg/kg	0.6 U	0.6 U	0.5 U		
Thallium	mg/kg	10 U	9 U	9 U		
Vanadium	mg/kg	70.7	73.1	73.1		
Zinc	mg/kg	166	141	131		
Polychlorinated Biphenyls						
Aroclor 1016	µg/kg	86 U	20 U	20 U	40 U	8 U
Aroclor 1221	µg/kg	86 U	20 U	20 U	16 U	8 U
Aroclor 1232	µg/kg	86 U	20 U	20 U	40 U	8 U
Aroclor 1242	µg/kg	86 U	20 U	20 U	98	8 U
Aroclor 1248	µg/kg	100 J	65	58	79 U	39
Aroclor 1254	µg/kg	150 J	97	99	190	73
Aroclor 1260	µg/kg	120 J	94	110	220	78
Total PCB	µg/kg	370 J	256	267	508	190
Conventionals						
Total Organic Carbon	%	2.55	2.26	2.65	1.89	1.38
Total Solids	%	47.3	50.1	49.1	51.2	59.7
Liquid Limit	%		61.6	62.9		
Plastic Limit	%		33.7	33.7		
Plasticity Index	%		27.9	29.2		
Wet Density	lb/ft3		85.7	95.6		
Grain Size						
GS <0.98 µm	%	7.5	9.2	9.1		
GS 0.98 - 1.95 µm	%	3.2	3.9	4.3		
GS 1.95 - 3.90 µm	%	5	5.9	5.3		
GS 3.90 - 7.80 µm	%	9.1	11.7	10.2		
GS 7.80 - 15.60 µm	%	16.2	22.8	26.6		
GS 15.60 - 31.00 µm	%	20.6	30.8	17.9		
GS 31.00 - 62.50 µm	%	17	3.8	18.6		
GS 62.5 - 125 µm	%	3.4	7.5	3		
GS 125 - 250 µm	%	8.4	1.4	1.9		
GS 250 - 500 µm	%	3.9	1.5	1.4		
GS 500 - 1000 µm	%	3.5	1.4	1.3		
GS 1000 - 2000 µm	%	1.9	0.1	0.2		
GS >2000 µm	%	0.2				
Dry Density	lb/ft3		44.2	51.2		
Moisture	%		93.72	86.67		
Porosity	por		0.72	0.69		
Specific Gravity	g/cc		2.53	2.69		

	Event	Lower Duwamish Waterway Subsurface Sediment Sampling				
	Location	LDW-SC42	LDW-SC42	LDW-SC42		
	SampleID	**LDW-SC42-0-1**	**LDW-SC42-1-2**	**LDW-SC42-2-4**		
	Depth (bgs)	0-30 cm	30-61 cm	61-122 cm		
	Sample Date	02/08/2006	02/08/2006	02/08/2006		
Volatile Organic Compounds						
1,2,4-Trichlorobenzene	µg/kg	12 U	12 U	12 U		
1,2-Dichlorobenzene	µg/kg	12 U	12 U	12 U		
1,3-Dichlorobenzene	µg/kg	40 U	40 U	40 U		
1,4-Dichlorobenzene	µg/kg	12 U	12 U	12 U		
Semivolatile Organic Compounds						
Benzo(a)anthracene	µg/kg	87	240	360		
Benzo(a)pyrene	µg/kg	100	390	300		
Benzo(g,h,i)perylene	µg/kg	42	80	54		
Benzo(b)fluoranthene	µg/kg	140	660	430		
Benzo(k)fluoranthene	µg/kg	150	480	420		
Chrysene	µg/kg	130	420	470		
Dibenz(a,h)anthracene	µg/kg	40 U	40 U	40 U		
Fluoranthene	µg/kg	250	530	1400		
Indeno(1,2,3-cd)pyrene	µg/kg	40 U	87	64		
Pyrene	µg/kg	240	950	830 J		
1-Methylnaphthalene	µg/kg	40 U	40 U	40 U		
Acenaphthene	µg/kg	40 U	40 U	190		
Acenaphthylene	µg/kg	40 U	40 U	40 U		
Anthracene	µg/kg	40 U	96	320		
Fluorene	µg/kg	40 U	40 U	120		
Naphthalene	µg/kg	40 U	40 U	40 U		
Phenanthrene	µg/kg	79	170	340		
2-Methylnaphthalene	µg/kg	40 U	40 U	40 U		
bis(2-Ethylhexyl)phthalate	µg/kg	180 U	400 U	210 U		
Di-n-butylphthalate	µg/kg	40 U	40 U	40 U		
Butylbenzylphthalate	µg/kg	20 U	36 U	22 U		
Diethylphthalate	µg/kg	40 U	40 U	40 U		
Dimethylphthalate	µg/kg	40 U	40 U	40 U		
Di-n-octylphthalate	µg/kg	40 U	40 U	40 U		
Pentachlorophenol	µg/kg	60 U	60 U	59 UJ		
2,4-Dichlorophenol	µg/kg	200 U	200 U	200 U		
2,4,5-Trichlorophenol	µg/kg	200 U	200 U	200 U		
2,4,6-Trichlorophenol	µg/kg	200 U	200 U	200 U		
2-Chlorophenol	µg/kg	40 U	40 U	40 U		
2,4-Dimethylphenol	µg/kg	12 U	12 U	12 U		
2,4-Dinitrophenol	µg/kg	400 UJ	400 UJ	400 UJ		
2,4-Dinitrotoluene	µg/kg	200 U	200 U	200 U		
2,6-Dinitrotoluene	µg/kg	200 U	200 U	200 U		
2-Chloronaphthalene	µg/kg	40 U	40 U	40 U		
2-Methylphenol	µg/kg	12 U	12 U	12 U		
2-Nitroaniline	µg/kg	200 U	200 U	200 U		
2-Nitrophenol	µg/kg	200 U	200 U	200 U		
3,3'-Dichlorobenzidine	µg/kg	200 UJ	200 UJ	200 UJ		
3-Nitroaniline	µg/kg	200 U	200 U	200 U		
4,6-Dinitro-2-methylphenol	µg/kg	400 U	400 U	400 U		
4-Bromophenyl-phenylether	µg/kg	40 U	40 U	40 U		
4-Chloro-3-methylphenol	µg/kg	200 U	200 U	200 U		
4-Chloroaniline	µg/kg	200 UJ	200 UJ	200 UJ		

	Event	Lower Duwamish Waterway Subsurface Sediment Sampling				
	Location	LDW-SC42	LDW-SC42	LDW-SC42		
	SampleID	**LDW-SC42-0-1**	**LDW-SC42-1-2**	**LDW-SC42-2-4**		
	Depth (bgs)	0-30 cm	30-61 cm	61-122 cm		
	Sample Date	02/08/2006	02/08/2006	02/08/2006		
Semivolatile Organic Compounds						
4-Chlorophenyl-phenylether	µg/kg	40 U	40 U	40 U		
4-Methylphenol	µg/kg	40 U	40 U	40 U		
4-Nitroaniline	µg/kg	200 U	200 U	200 U		
4-Nitrophenol	µg/kg	200 UJ	200 UJ	200 UJ		
Aniline	µg/kg	40 UJ	40 UJ	40 UJ		
Benzoic acid	µg/kg	140	150	120 J		
Benzyl alcohol	µg/kg	60 U	60 U	59 U		
bis(2-Chloroethoxy)methane	µg/kg	40 U	40 U	40 U		
bis(2-Chloroethyl)ether	µg/kg	40 U	40 U	40 U		
bis(2-chloroisopropyl)ether	µg/kg	40 U	40 U	40 U		
Dibenzofuran	µg/kg	40 U	40 U	56		
Hexachlorobenzene	µg/kg	12 U	12 U	12 U		
Hexachlorobutadiene	µg/kg	12 U	12 U	12 U		
Hexachlorocyclopentadiene	µg/kg	200 U	200 U	200 U		
Hexachloroethane	µg/kg	40 U	40 U	40 U		
Isophorone	µg/kg	40 U	40 U	40 U		
Nitrobenzene	µg/kg	40 U	40 U	40 U		
N-Nitrosodimethylamine	µg/kg	60 U	60 U	59 U		
N-Nitroso-di-n-propylamine	µg/kg	60 U	60 U	59 U		
N-Nitrosodiphenylamine	µg/kg	16 U	20 U	26 U		
Phenol	µg/kg	150	40 U	40 U		
Metals						
Antimony	mg/kg	9 UJ	9 UJ	9 UJ		
Arsenic	mg/kg	10	13	13		
Cadmium	mg/kg	0.4 U	0.3 U	0.4		
Chromium	mg/kg	26.4	24.7	36.1		
Cobalt	mg/kg	9.3	7.7	10.9		
Copper	mg/kg	41.2	52.9	50.6		
Lead	mg/kg	20 J	38 J	41 J		
Mercury	mg/kg	0.17	0.19	0.15		
Molybdenum	mg/kg	0.9 U	0.9	0.9 U		
Nickel	mg/kg	23	19	27		
Selenium	mg/kg	9 U	9 U	9 U		
Silver	mg/kg	0.6 U	0.5 U	0.6 U		
Thallium	mg/kg	9 U	9 U	9 U		
Vanadium	mg/kg	62.2	58.6	75.7		
Zinc	mg/kg	77	105	96		
Polychlorinated Biphenyls						
Aroclor 1016	µg/kg	7.9 U	20 U	4 UJ		
Aroclor 1221	µg/kg	7.9 U	20 U	4 UJ		
Aroclor 1232	µg/kg	7.9 U	20 U	4 UJ		
Aroclor 1242	µg/kg	12	21 J	13 J		
Aroclor 1248	µg/kg	7.9 U	20 U	4 UJ		
Aroclor 1254	µg/kg	41	70	44		
Aroclor 1260	µg/kg	54	72 J	31		
Total PCB	µg/kg	107	163 J	86		
Conventionals						
Total Organic Carbon	%	1.77	2.14	2.42		

	Event	Lower Duwamish Waterway Subsurface Sediment Sampling				
	Location	LDW-SC42	LDW-SC42	LDW-SC42		
	SampleID	**LDW-SC42-0-1**	**LDW-SC42-1-2**	**LDW-SC42-2-4**		
	Depth (bgs)	0-30 cm	30-61 cm	61-122 cm		
	Sample Date	02/08/2006	02/08/2006	02/08/2006		
Conventionals						
Total Solids	%	48.7	53.3	51.4		
Liquid Limit	%	69.1		51.1		
Plastic Limit	%	52.6		39		
Plasticity Index	%	16.5		12.1		
Wet Density	lb/ft3	90.3		98.9		
Grain Size						
GS <0.98 µm	%	6.5	7.3	7.1		
GS 0.98 - 1.95 µm	%	2.7	2.8	2.7		
GS 1.95 - 3.90 µm	%	3.5	2.9	3.7		
GS 3.90 - 7.80 µm	%	7.1	6.9	6.6		
GS 7.80 - 15.60 µm	%	18.4	21.2	23		
GS 15.60 - 31.00 µm	%	21.1	18.9	23.8		
GS 31.00 - 62.50 µm	%	15.3	14.9	15.9		
GS 62.5 - 125 µm	%	15.6	14.5	13.4		
GS 125 - 250 µm	%	4.6	5.3	3.7		
GS 250 - 500 µm	%	3.4	3.7	1.5		
GS 500 - 1000 µm	%	0.9	1.2	1.1		
GS 1000 - 2000 µm	%	0.5	0.2	0.9		
GS >2000 µm	%	0.4	0.1			
Dry Density	lb/ft3	40.7		52.8		
Moisture	%	121.6		87.24		
Porosity	por	0.75		0.68		
Specific Gravity	g/cc	2.59		2.63		

	Event	Lower Duwamish Waterway Surface Sediment Sampling (Round 1)				
	Location	LDW-SS83				
	SampleID	**LDW-SS83-010**				
	Depth (bgs)	0-10 cm				
	Sample Date	01/24/2005				
Volatile Organic Compounds						
1,2,4-Trichlorobenzene	µg/kg	6.5 U				
1,2-Dichlorobenzene	µg/kg	6.5 U				
1,3-Dichlorobenzene	µg/kg	97 U				
1,4-Dichlorobenzene	µg/kg	6.5 U				
Semivolatile Organic Compounds						
Benzo(a)anthracene	µg/kg	650				
Benzo(a)pyrene	µg/kg	490				
Benzo(g,h,i)perylene	µg/kg	170				
Benzo(b)fluoranthene	µg/kg	840				
Benzo(k)fluoranthene	µg/kg	740				
Chrysene	µg/kg	1400				
Dibenz(a,h)anthracene	µg/kg	95 J				
Fluoranthene	µg/kg	1500				
Indeno(1,2,3-cd)pyrene	µg/kg	200				
Pyrene	µg/kg	1400				
Acenaphthene	µg/kg	97 U				
Acenaphthylene	µg/kg	97 U				
Anthracene	µg/kg	240				
Fluorene	µg/kg	57 J				
Naphthalene	µg/kg	97 U				
Phenanthrene	µg/kg	400				
2-Methylnaphthalene	µg/kg	97 U				
bis(2-Ethylhexyl)phthalate	µg/kg	460				
Di-n-butylphthalate	µg/kg	97 U				
Butylbenzylphthalate	µg/kg	7.2				
Diethylphthalate	µg/kg	6.5 U				
Dimethylphthalate	µg/kg	6.5 U				
Di-n-octylphthalate	µg/kg	97 U				
Pentachlorophenol	µg/kg	33 U				
2,4-Dichlorophenol	µg/kg	480 U				
2,4,5-Trichlorophenol	µg/kg	480 U				
2,4,6-Trichlorophenol	µg/kg	480 U				
2-Chlorophenol	µg/kg	97 U				
2,4-Dimethylphenol	µg/kg	6.5 U				
2,4-Dinitrophenol	µg/kg	970 U				
2,4-Dinitrotoluene	µg/kg	480 U				
2,6-Dinitrotoluene	µg/kg	480 U				
2-Chloronaphthalene	µg/kg	97 U				
2-Methylphenol	µg/kg	6.5 U				
2-Nitroaniline	µg/kg	480 U				
2-Nitrophenol	µg/kg	480 U				
3,3'-Dichlorobenzidine	µg/kg	480 U				
3-Nitroaniline	µg/kg	480 U				
4,6-Dinitro-2-methylphenol	µg/kg	970 U				
4-Bromophenyl-phenylether	µg/kg	97 U				
4-Chloro-3-methylphenol	µg/kg	480 U				
4-Chloroaniline	µg/kg	480 U				
4-Chlorophenyl-phenylether	µg/kg	97 U				

	Event	Lower Duwamish Waterway Surface Sediment Sampling (Round 1)				
	Location	LDW-SS83				
	SampleID	**LDW-SS83-010**				
	Depth (bgs)	0-10 cm				
	Sample Date	01/24/2005				
Semivolatile Organic Compounds						
4-Methylphenol	µg/kg	97 U				
4-Nitroaniline	µg/kg	480 U				
4-Nitrophenol	µg/kg	480 U				
Aniline	µg/kg	97 U				
Benzoic acid	µg/kg	65 U				
Benzyl alcohol	µg/kg	33 U				
bis(2-Chloroethoxy)methane	µg/kg	97 U				
bis(2-Chloroethyl)ether	µg/kg	97 U				
bis(2-chloroisopropyl)ether	µg/kg	97 U				
Carbazole	µg/kg	99				
Dibenzofuran	µg/kg	97 U				
Hexachlorobenzene	µg/kg	6.5 U				
Hexachlorobutadiene	µg/kg	6.5 U				
Hexachlorocyclopentadiene	µg/kg	480 U				
Hexachloroethane	µg/kg	97 U				
Isophorone	µg/kg	97 U				
Nitrobenzene	µg/kg	97 U				
N-Nitrosodimethylamine	µg/kg	33 U				
N-Nitroso-di-n-propylamine	µg/kg	33 U				
N-Nitrosodiphenylamine	µg/kg	6.5 U				
Phenol	µg/kg	97 U				
Dioxin-Furans						
1,2,3,4,6,7,8-HpCDD	ng/kg	1150				
1,2,3,4,7,8-HxCDD	ng/kg	10.2 J				
1,2,3,6,7,8-HxCDD	ng/kg	33.7				
1,2,3,7,8,9-HxCDD	ng/kg	30.7				
1,2,3,7,8-PeCDD	ng/kg	5.27 J				
2,3,7,8-TCDD	ng/kg	1.02 J				
OCDD	ng/kg	9950				
1,2,3,4,6,7,8-HpCDF	ng/kg	138				
1,2,3,4,7,8,9-HpCDF	ng/kg	10.3 J				
1,2,3,4,7,8-HxCDF	ng/kg	10.4 J				
1,2,3,6,7,8-HxCDF	ng/kg	5.39 J				
1,2,3,7,8,9-HxCDF	ng/kg	0.443 J				
1,2,3,7,8-PeCDF	ng/kg	2.18 J				
2,3,4,6,7,8-HxCDF	ng/kg	4.83 J				
2,3,4,7,8-PeCDF	ng/kg	3.52 J				
2,3,7,8-TCDF	ng/kg	2.31				
OCDF	ng/kg	451				
Metals						
Antimony	mg/kg	0.4 UJ				
Arsenic	mg/kg	17.9				
Cadmium	mg/kg	0.6				
Chromium	mg/kg	37				
Cobalt	mg/kg	8.4				
Copper	mg/kg	109				
Lead	mg/kg	55				
Mercury	mg/kg	0.2				

	Event	Lower Duwamish Waterway Surface Sediment Sampling (Round 1)				
	Location	LDW-SS83				
	SampleID	**LDW-SS83-010**				
	Depth (bgs)	0-10 cm				
	Sample Date	01/24/2005				
Metals						
Molybdenum	mg/kg	2				
Nickel	mg/kg	23				
Selenium	mg/kg	10 U				
Silver	mg/kg	0.6 U				
Thallium	mg/kg	0.4 U				
Vanadium	mg/kg	74.6				
Zinc	mg/kg	382				
Polychlorinated Biphenyls						
Aroclor 1016	µg/kg	19 U				
Aroclor 1221	µg/kg	19 U				
Aroclor 1232	µg/kg	19 U				
Aroclor 1242	µg/kg	19 U				
Aroclor 1248	µg/kg	20 J				
Aroclor 1254	µg/kg	38				
Aroclor 1260	µg/kg	39				
Total PCB	µg/kg	97 J				
PCB-66	ng/kg	3850				
PCB-77	ng/kg	450				
PCB-81	ng/kg	13.8 J				
PCB-90/101/113	ng/kg	12300				
PCB-105	ng/kg	4120				
PCB-110/115	ng/kg	15500				
PCB-114	ng/kg	204				
PCB-118	ng/kg	10800				
PCB-123	ng/kg	186				
PCB-126	ng/kg	34.6				
PCB-129/138/160/163	ng/kg	23600				
PCB-153/168	ng/kg	18800				
PCB-156/157	ng/kg	2050				
PCB-167	ng/kg	793				
PCB-169	ng/kg	19.5 U				
PCB-180/193	ng/kg	12300				
PCB-189	ng/kg	193				
Total PCB, Congeners	ng/kg	105194.4 J				
Conventionals						
Total Organic Carbon	%	2.07				
Total Solids	%	47.8				
Total Preserved Solids	%	37.8				
Sulfides (total)	mg/kg	480				
Ammonia (as Nitrogen)	mg-N/kg	17.7				
Grain Size						
GS <0.98 µm	%	6.1				
GS 0.98 - 1.95 µm	%	2.6				
GS 1.95 - 3.90 µm	%	3.5				
GS 3.90 - 7.80 µm	%	5.8				
GS 7.80 - 15.60 µm	%	8.9				
GS 15.60 - 31.00 µm	%	13.3				
GS 31.00 - 62.50 µm	%	11.7				

	Event	**Lower Duwamish Waterway Surface Sediment Sampling (Round 1)**				
	Location	LDW-SS83				
	SampleID	**LDW-SS83-010**				
	Depth (bgs)	0-10 cm				
	Sample Date	01/24/2005				
Grain Size						
GS 62.5 - 125 µm	%	15				
GS 125 - 250 µm	%	10.6				
GS 250 - 500 µm	%	14.7				
GS 500 - 1000 µm	%	5.1				
GS 1000 - 2000 µm	%	1.8				
GS >2000 µm	%	0.9				

	Event	EPA Duwamish River Site Inspection				
	Location	DR115	DR116	DR117	DR118	
	SampleID	**SD-DR115-0000**	**SD-DR116-0000**	**SD-DR117-0000**	**SD-DR118-0000**	
	Depth (bgs)	0-10 cm	0-10 cm	0-10 cm	0-10 cm	
	Sample Date	09/14/1998	08/18/1998	08/18/1998	08/18/1998	
Volatile Organic Compounds						
Tetrachloroethene	µg/kg		2.8 U			
Trichloroethene	µg/kg		2.8 U			
cis-1,2-Dichloroethene	µg/kg		2.8 U			
trans-1,2-Dichloroethene	µg/kg		2.8 U			
1,1-Dichloroethene	µg/kg		5.6 U			
Vinyl chloride	µg/kg		13.9 U			
1,1,1,2-Tetrachloroethane	µg/kg		2.8 U			
1,1,1-Trichloroethane	µg/kg		2.8 U			
1,1,2,2-Tetrachloroethane	µg/kg		2.8 U			
1,1,2-Trichloroethane	µg/kg		5.6 U			
1,1-Dichloroethane	µg/kg		2.8 U			
Chloroethane	µg/kg		55.8 U			
Acetone	µg/kg		112 UJ			
1,1,2-Trichlorotrifluoroethane	µg/kg		5.6 U			
1,1-Dichloroacetone	µg/kg		13.9 U			
1,1-Dichloropropene	µg/kg		2.8 U			
1,2,3-Trichlorobenzene	µg/kg		5.6 U			
1,2,3-Trichloropropane	µg/kg		5.6 U			
1,2,4-Trichlorobenzene	µg/kg	20 U	20 U	20 U	20 U	
1,2-Dibromo-3-chloropropane	µg/kg		5.6 U			
1,2-Dichlorobenzene	µg/kg	20 U	2.6 J	20 U	20 U	
1,2-Dichloroethane	µg/kg		2.8 U			
1,2-Dichloropropane	µg/kg		2.8 U			
1,3-Dichlorobenzene	µg/kg	20 U	20 U	20 U	20 U	
1,3-Dichloropropane	µg/kg		2.8 U			
1,4-Dichlorobenzene	µg/kg	20 U	20 U	20 U	20 U	
1-Chlorobutane	µg/kg		2.8 U			
2,2-Dichloropropane	µg/kg		2.8 U			
2-Butanone	µg/kg		5.6 U			
2-Chlorotoluene	µg/kg		2.8 U			
2-Hexanone	µg/kg		11.2 U			
2-Nitropropane	µg/kg		13.9 U			
4-Chlorotoluene	µg/kg		2.8 U			
Allyl chloride	µg/kg		5.6 U			
Bromobenzene	µg/kg		2.8 U			
Bromochloromethane	µg/kg		5.6 U			
Bromodichloromethane	µg/kg		2.8 U			
Bromoform	µg/kg		13.9 U			
Bromomethane	µg/kg		27.9 U			
Carbon disulfide	µg/kg		5.6 U			
Carbon tetrachloride	µg/kg		2.8 U			
Chlorobenzene	µg/kg		2.8 U			
Chloroform	µg/kg		2.8 U			
Chloromethane	µg/kg		5.6 U			
cis-1,3-Dichloropropene	µg/kg		3 U			
Dibromochloromethane	µg/kg		13.9 U			
Dibromomethane	µg/kg		5.6 U			
Ethyl Methacrylate	µg/kg		5.6 U			

	Event	EPA Duwamish River Site Inspection				
	Location	DR115	DR116	DR117	DR118	
	SampleID	**SD-DR115-0000**	**SD-DR116-0000**	**SD-DR117-0000**	**SD-DR118-0000**	
	Depth (bgs)	0-10 cm	0-10 cm	0-10 cm	0-10 cm	
	Sample Date	09/14/1998	08/18/1998	08/18/1998	08/18/1998	
Volatile Organic Compounds						
Ethylene Dibromide	µg/kg		5.6 U			
Methacrylonitrile	µg/kg		5.6 U			
Methyl acrylate	µg/kg		2.8 U			
Methyl Iodide	µg/kg		5.6 U			
Methyl isobutyl ketone	µg/kg		5.6 U			
Methyl methacrylate	µg/kg		2.8 U			
Methylene Chloride	µg/kg		5.6 U			
Pentachloroethane	µg/kg		5.6 U			
Tert-butyl methyl ether	µg/kg		2.8 U			
trans-1,3-Dichloropropene	µg/kg		2.6 U			
trans-1,4-Dichloro-2-butene	µg/kg		13.9 U			
Trichlorofluoromethane	µg/kg		27.9 U			
BTEX						
Benzene	µg/kg		2.8 U			
Toluene	µg/kg		2.8 U			
Ethylbenzene	µg/kg		2.8 U			
m,p-Xylene	µg/kg		5.6 U			
o-Xylene	µg/kg		2.8 U			
Alkylated Benzenes						
1,3,5-Trimethylbenzene	µg/kg		2.8 U			
n-Propylbenzene	µg/kg		2.8 U			
1,2,4-Trimethylbenzene	µg/kg		2.8 U			
4-Isopropyltoluene	µg/kg		2.8 U			
Isopropylbenzene	µg/kg		2.8 U			
n-Butylbenzene	µg/kg		2.8 U			
sec-Butylbenzene	µg/kg		2.8 U			
Styrene	µg/kg		5.6 U			
tert-Butylbenzene	µg/kg		2.8 U			
Semivolatile Organic Compounds						
Benzo(a)anthracene	µg/kg	380	330	400	350	
Benzo(a)pyrene	µg/kg	360	270	250	260	
Benzo(g,h,i)perylene	µg/kg	170	140	120	130	
Benzo(b)fluoranthene	µg/kg	410	350	290	320	
Benzo(k)fluoranthene	µg/kg	380	300	270	280	
Chrysene	µg/kg	610	470	460	470	
Dibenz(a,h)anthracene	µg/kg	50	40	30	40	
Fluoranthene	µg/kg	1000	740	1400	960	
Indeno(1,2,3-cd)pyrene	µg/kg	210	170	140	160	
Pyrene	µg/kg	760	700	1100	810	
Acenaphthene	µg/kg	30	20	100	60	
Acenaphthylene	µg/kg	20 U	20 U	20 U	20 U	
Anthracene	µg/kg	100	100	290	110	
Fluorene	µg/kg	30	40	110	70	
Naphthalene	µg/kg	20 U	20 U	20 U	20 U	
Phenanthrene	µg/kg	240	240	640	370	
2-Methylnaphthalene	µg/kg	20 U	20 U	20 U	20 U	
bis(2-Ethylhexyl)phthalate	µg/kg	240 UJ	390	310	350	
Di-n-butylphthalate	µg/kg	20 U	20 U	20 U	20 U	

	Event	EPA Duwamish River Site Inspection				
	Location	DR115	DR116	DR117	DR118	
	SampleID	**SD-DR115-0000**	**SD-DR116-0000**	**SD-DR117-0000**	**SD-DR118-0000**	
	Depth (bgs)	0-10 cm	0-10 cm	0-10 cm	0-10 cm	
	Sample Date	09/14/1998	08/18/1998	08/18/1998	08/18/1998	
Semivolatile Organic Compounds						
Butylbenzylphthalate	µg/kg	30	30	20 U	30	
Diethylphthalate	µg/kg	20 U	20 U	20 U	20 U	
Dimethylphthalate	µg/kg	20 U	50	20 U	20 U	
Di-n-octylphthalate	µg/kg	20 U	20 U	20 U	20 U	
Pentachlorophenol	µg/kg	100 UJ	100 U	100 U	100 U	
2,4-Dichlorophenol	µg/kg	60 U	60 U	60 U	60 U	
2,4,5-Trichlorophenol	µg/kg	200 U	200 U	200 U	200 U	
2,4,6-Trichlorophenol	µg/kg	200 U	200 U	200 U	200 U	
2-Chlorophenol	µg/kg	20 U	20 U	20 U	20 U	
2,4-Dimethylphenol	µg/kg	20 U	20 U	20 U	20 U	
2,4-Dinitrophenol	µg/kg	200 U	200 U	200 U	200 U	
2,4-Dinitrotoluene	µg/kg	200 U	200 U	200 U	200 U	
2,6-Dinitrotoluene	µg/kg	200 U	200 U	200 U	200 U	
2-Chloronaphthalene	µg/kg	20 U	20 U	20 U	20 U	
2-Methylphenol	µg/kg	20 U	20 U	20 U	20 U	
2-Nitroaniline	µg/kg	100 U	100 U	100 U	100 U	
2-Nitrophenol	µg/kg	100 U	100 U	100 U	100 U	
3,3'-Dichlorobenzidine	µg/kg	200 U	200 U	200 U	200 U	
3-Nitroaniline	µg/kg	200 U	200 U	200 U	200 U	
3-Methylphenol and 4-Methylph	µg/kg	20 U	20 U	20 U	20 U	
4,6-Dinitro-2-methylphenol	µg/kg	200 U	200 U	200 U	200 U	
4-Bromophenyl-phenylether	µg/kg	40 U	40 U	40 U	40 U	
4-Chloro-3-methylphenol	µg/kg	40 U	40 U	40 U	40 U	
4-Chloroaniline	µg/kg	60 U	60 U	60 U	60 U	
4-Chlorophenyl-phenylether	µg/kg	20 U	20 U	20 U	20 U	
4-Nitroaniline	µg/kg	100 U	100 U	100 U	100 U	
4-Nitrophenol	µg/kg	100 U	100 U	100 U	100 U	
Benzoic acid	µg/kg	200 U	200 U	200 U	200 U	
Benzyl alcohol	µg/kg	50 U	50 U	50 U	50 U	
bis(2-Chloroethoxy)methane	µg/kg	40 U	40 U	40 U	40 U	
bis(2-Chloroethyl)ether	µg/kg	40 U	40 U	40 U	40 U	
bis(2-chloroisopropyl)ether	µg/kg	40 U	40 U	40 U	40 U	
Carbazole	µg/kg	30	30	80	30	
Dibenzofuran	µg/kg	20	30	70	50	
Hexachlorobenzene	µg/kg	20 U	20 U	20 U	20 U	
Hexachlorobutadiene	µg/kg	20 U	20 U	20 U	20 U	
Hexachlorocyclopentadiene	µg/kg	100 U	100 U	100 U	100 U	
Hexachloroethane	µg/kg	20 U	20 U	20 U	20 U	
Isophorone	µg/kg	20 U	20 U	20 U	20 U	
Nitrobenzene	µg/kg	20 U	20 U	20 U	20 U	
N-Nitroso-di-n-propylamine	µg/kg	40 U	40 U	40 U	40 U	
N-Nitrosodiphenylamine	µg/kg	40 U	40 U	40 U	40 U	
Phenol	µg/kg	20 U	20 U	20 U	20 U	
Dioxin-Furans						
1,2,3,4,6,7,8-HpCDD	ng/kg	260				
1,2,3,4,7,8-HxCDD	ng/kg	2.2 U				
1,2,3,6,7,8-HxCDD	ng/kg	8.6				
1,2,3,7,8,9-HxCDD	ng/kg	6.9 J				

	Event	EPA Duwamish River Site Inspection				
	Location	DR115	DR116	DR117	DR118	
	SampleID	**SD-DR115-0000**	**SD-DR116-0000**	**SD-DR117-0000**	**SD-DR118-0000**	
	Depth (bgs)	0-10 cm	0-10 cm	0-10 cm	0-10 cm	
	Sample Date	09/14/1998	08/18/1998	08/18/1998	08/18/1998	
Dioxin-Furans						
1,2,3,7,8-PeCDD	ng/kg	0.89 U				
2,3,7,8-TCDD	ng/kg	0.69 U				
Total HpCDD	ng/kg	900				
Total HxCDD	ng/kg	97				
Total PeCDD	ng/kg	4.6 U				
Total TCDD	ng/kg	1.6				
OCDD	ng/kg	2600				
1,2,3,4,6,7,8-HpCDF	ng/kg	25				
1,2,3,4,7,8,9-HpCDF	ng/kg	2.8 U				
1,2,3,4,7,8-HxCDF	ng/kg	3.6 U				
1,2,3,6,7,8-HxCDF	ng/kg	0.93 U				
1,2,3,7,8,9-HxCDF	ng/kg	0.39 U				
1,2,3,7,8-PeCDF	ng/kg	2.3 U				
2,3,4,6,7,8-HxCDF	ng/kg	0.71 U				
2,3,4,7,8-PeCDF	ng/kg	2.4 U				
2,3,7,8-TCDF	ng/kg	0.99 J				
Total HpCDF	ng/kg	110				
Total HxCDF	ng/kg	28				
Total PeCDF	ng/kg	23				
Total TCDF	ng/kg	13				
OCDF	ng/kg	95				
Metals						
Aluminum	mg/kg	18100	19300	20600	20700	
Antimony	mg/kg	10 U	10 UJ	10 UJ	5 J	
Arsenic	mg/kg	8.2	12	11.5	12.5	
Barium	mg/kg	77	72	76	79	
Beryllium	mg/kg	0.33 J	0.48	0.5	0.5	
Cadmium	mg/kg	0.2	0.37	0.33	0.41	
Calcium	mg/kg	5700	5550	5850	5950	
Chromium	mg/kg	29	27	28	29	
Cobalt	mg/kg	8	10	10	10	
Copper	mg/kg	83	59	55	59	
Iron	mg/kg	28500	28800 J	29100 J	30600 J	
Lead	mg/kg	29.8 J	25.1	25.1	28	
Magnesium	mg/kg	6510	7830	8010	8100	
Manganese	mg/kg	294	276	291	331	
Mercury	mg/kg	0.1	0.19	0.23	0.31	
Nickel	mg/kg	20.9	19.4	20.4	20.1	
Potassium	mg/kg	1800	2600	2700	2700	
Selenium	mg/kg	1 U	6	6	6	
Silver	mg/kg	0.19	0.3	0.28	0.34	
Sodium	mg/kg	7110	13300	13300	14000	
Thallium	mg/kg	0.09 J	0.08	0.09	0.09	
Tin	mg/kg	5 UJ	3 J	3 J	3 J	
Vanadium	mg/kg	61	56	59	61	
Zinc	mg/kg	111	126	107	116	
Polychlorinated Biphenyls						
Aroclor 1016	µg/kg	20 UJ	20 UJ	20 UJ	20 UJ	

	Event	EPA Duwamish River Site Inspection				
	Location	DR115	DR116	DR117	DR118	
	SampleID	**SD-DR115-0000**	**SD-DR116-0000**	**SD-DR117-0000**	**SD-DR118-0000**	
	Depth (bgs)	0-10 cm	0-10 cm	0-10 cm	0-10 cm	
	Sample Date	09/14/1998	08/18/1998	08/18/1998	08/18/1998	
Polychlorinated Biphenyls						
Aroclor 1221	µg/kg	40 U	40 UJ	40 UJ	40 UJ	
Aroclor 1232	µg/kg	20 U	20 UJ	20 UJ	20 UJ	
Aroclor 1242	µg/kg	20 U	20 UJ	20 UJ	20 UJ	
Aroclor 1248	µg/kg	20 U	20 UJ	20 UJ	20 UJ	
Aroclor 1254	µg/kg	85	82 J	108 J	21 J	
Aroclor 1260	µg/kg	57	75 J	96 J	32 J	
Total PCB	µg/kg	142	157 J	204 J	53 J	
PCB-18	µg/kg	1 UJ	1 UJ	1 J	1 UJ	
PCB-28	µg/kg	3 J	2 J	2 J	1 UJ	
PCB-44	µg/kg	2 J	2 J	3 J	1 UJ	
PCB-55	µg/kg	4 J	3 J	6 J	2 UJ	
PCB-66	µg/kg	7	5 J	9 J	2 UJ	
PCB-77	µg/kg	1 UJ	1 UJ	1 UJ	1 UJ	
PCB-81	µg/kg	1 U	1 UJ	1 UJ	1 UJ	
PCB-101	µg/kg	5 J	5 J	6 J	2 J	
PCB-105	µg/kg	2	2 J	3 J	1 UJ	
PCB-114	µg/kg	1	1 UJ	1 UJ	1 UJ	
PCB-118	µg/kg	5	4 J	6 J	2 J	
PCB-123	µg/kg	1 U	1 UJ	1 UJ	1 UJ	
PCB-126	µg/kg	1 U	1 UJ	1 UJ	1 UJ	
PCB-128	µg/kg	1 J	1 J	2 J	1 UJ	
PCB-138	µg/kg	9	9 J	13 J	3 J	
PCB-153	µg/kg	6	7 J	10 J	5 J	
PCB-156	µg/kg	1 U	1 J	2 J	1 UJ	
PCB-157	µg/kg	1 U	1 UJ	1 UJ	1 UJ	
PCB-167	µg/kg	1 U	1 UJ	1 UJ	1 UJ	
PCB-169	µg/kg	1 U	1 UJ	1 UJ	1 UJ	
PCB-170	µg/kg	2	3 J	4 J	1 J	
PCB-180	µg/kg	4	5 J	6 J	3 J	
PCB-187	µg/kg	3	3 J	4 J	2 J	
PCB-189	µg/kg	1 U	1 UJ	1 UJ	1 UJ	
PCB-195	µg/kg	1 U	1 UJ	1 UJ	1 UJ	
PCB-206	µg/kg	1 U	1 UJ	1 UJ	1 UJ	
PCB-209	µg/kg	1 U	1 UJ	1 UJ	1 UJ	
Pesticides						
4,4'-DDD	µg/kg		2 U			
4,4'-DDE	µg/kg		2 U			
4,4'-DDT	µg/kg		2 U			
Aldrin	µg/kg		1 UJ			
Alpha-BHC	µg/kg		1 U			
Alpha-Chlordane	µg/kg		2 U			
Beta-BHC	µg/kg		1 U			
Dieldrin	µg/kg		2 UJ			
Diethyl ether	µg/kg		5.6 U			
Endosulfan I	µg/kg		1 U			
Endosulfan II	µg/kg		6 U			
Endosulfan Sulfate	µg/kg		2 U			
Endrin	µg/kg		4 UJ			

	Event	**EPA Duwamish River Site Inspection**				
	Location	DR115	DR116	DR117	DR118	
	SampleID	**SD-DR115-0000**	**SD-DR116-0000**	**SD-DR117-0000**	**SD-DR118-0000**	
	Depth (bgs)	0-10 cm	0-10 cm	0-10 cm	0-10 cm	
	Sample Date	09/14/1998	08/18/1998	08/18/1998	08/18/1998	
Pesticides						
Endrin aldehyde	µg/kg		2 U			
Endrin Ketone	µg/kg		2 U			
Gamma-BHC (Lindane)	µg/kg		1 UJ			
Gamma-Chlordane	µg/kg		1 U			
Heptachlor	µg/kg		1 UJ			
Heptachlor Epoxide	µg/kg		1 U			
Methoxychlor	µg/kg		1 U			
Toxaphene	µg/kg		10 U			
Conventionals						
Total Organic Carbon	%	1.3	2.53	2.6	2.8	
Grain Size						
GS <0.98 µm	%	3.38	6.27	6.29	7.58	
GS 0.98 - 1.95 µm	%	2.46	5.9	3.15	3.55	
GS 1.95 - 3.90 µm	%	3.4	1.97	4.73	5.73	
GS 3.90 - 7.80 µm	%	4.92	9.45	8.97	10.58	
GS 7.80 - 15.60 µm	%	6.81	21.77	20.09	17.66	
GS 15.60 - 31.00 µm	%	9.82	24.37	23.46	23.45	
GS 31.00 - 62.50 µm	%	15.56	14.18	17.05	14.03	
GS 62.5 - 125 µm	%	25.54	7.92 J	8.79 J	8.76 J	
GS 125 - 250 µm	%	11.96	2.8 J	2.83 J	3.38 J	
GS 250 - 500 µm	%	10.83	2.81 J	2.46 J	2.81 J	
GS 500 - 1000 µm	%	4.22	2.55 J	1.64 J	2.23 J	
GS 1000 - 2000 µm	%	0.93	0.01 U	0.26 J	0.13 J	
GS 2000 - 4000 µm	%	0.16	0.01 U	0.06 J	0.09 J	
GS 4750 - 9525 µm	%	0.01 U	0.01 U	0.21 J	0.01 U	
GS >9525 µm	%	0.01 U	0.01 U	0.01 U	0.01 U	

Table F.6
Chemistry Data for Mussel Tissue Samples

	Event	**Annual Monitoring of GWC wells (1999)**				
	Location	M-1	M-3			
	SampleID	**M-1**	**M-3**			
	Depth (bgs)					
	Sample Date	10/29/1999	10/29/1999			
Volatile Organic Compounds						
Tetrachloroethene	µg/kg	390 U	380 U			
Trichloroethene	µg/kg	390 U	380 U			
cis-1,2-Dichloroethene	µg/kg	390 U	380 U			
trans-1,2-Dichloroethene	µg/kg	390 U	380 U			
1,1-Dichloroethene	µg/kg	390 U	380 U			
Vinyl chloride	µg/kg	390 U	380 U			
1,1,1,2-Tetrachloroethane	µg/kg	390 U	380 U			
1,1,1-Trichloroethane	µg/kg	390 U	380 U			
1,1,2,2-Tetrachloroethane	µg/kg	390 U	380 U			
1,1,2-Trichloroethane	µg/kg	390 U	380 U			
1,1-Dichloroethane	µg/kg	390 U	380 U			
Bromochloromethane	µg/kg	390 U	380 U			
Chloroethane	µg/kg	390 U	380 U			
Dichloromethane	µg/kg	390 U	380 U			
1,1-Dichloropropene	µg/kg	390 U	380 U			
1,2,3-Trichlorobenzene	µg/kg	390 U	380 U			
1,2,3-Trichloropropane	µg/kg	390 U	380 U			
1,2,4-Trichlorobenzene	µg/kg	26 U	25 U			
1,2-Dibromo-3-chloropropane	µg/kg	390 U	380 U			
1,2-Dibromoethane	µg/kg	390 U	380 U			
1,2-Dichlorobenzene	µg/kg	26 U	25 U			
1,2-Dichloroethane	µg/kg	390 U	380 U			
1,2-Dichloropropane	µg/kg	390 U	380 U			
1,3-Dichlorobenzene	µg/kg	26 U	25 U			
1,3-Dichloropropane	µg/kg	390 U	380 U			
1,4-Dichlorobenzene	µg/kg	26 U	25 U			
2,2-Dichloropropane	µg/kg	390 U	380 U			
2-Chlorotoluene	µg/kg	390 U	380 U			
4-Chlorotoluene	µg/kg	390 U	380 U			
Bromobenzene	µg/kg	390 U	380 U			
Bromodichloromethane	µg/kg	390 U	380 U			
Bromoform	µg/kg	390 U	380 U			
Bromomethane	µg/kg	390 U	380 U			
Carbon tetrachloride	µg/kg	390 U	380 U			
Chlorobenzene	µg/kg	390 U	380 U			
Chloroform	µg/kg	390 U	380 U			
Chloromethane	µg/kg	390 U	380 U			
cis-1,3-Dichloropropene	µg/kg	390 U	380 U			
Dibromochloromethane	µg/kg	390 U	380 U			
Dibromomethane	µg/kg	390 U	380 U			
Dichlorodifluoromethane	µg/kg	390 U	380 U			
trans-1,3-Dichloropropene	µg/kg	390 U	380 U			
Trichlorofluoromethane	µg/kg	390 U	380 U			

	Event	Annual Monitoring of GWC wells (1999)				
	Location	M-1	M-3			
	SampleID	**M-1**	**M-3**			
	Depth (bgs)					
	Sample Date	10/29/1999	10/29/1999			
BTEX						
Benzene	µg/kg	390 U	380 U			
Toluene	µg/kg	390 U	380 U			
Ethylbenzene	µg/kg	390 U	380 U			
Xylene (meta & para)	µg/kg	790 U	760 U			
Xylene (ortho)	µg/kg	390 U	380 U			
Xylene (total)	µg/kg	790 U	760 U			
Alkylated Benzenes						
1,3,5-Trimethylbenzene	µg/kg	390 U	380 U			
n-Propylbenzene	µg/kg	390 U	380 U			
1,2,4-Trimethylbenzene	µg/kg	390 U	380 U			
iso-Propylbenzene	µg/kg	390 U	380 U			
iso-Propyltoluene	µg/kg	390 U	380 U			
n-Butylbenzene	µg/kg	390 U	380 U			
sec-Butylbenzene	µg/kg	390 U	380 U			
Styrene	µg/kg	390 U	380 U			
tert-Butylbenzene	µg/kg	390 U	380 U			
Semivolatile Organic Compounds						
Benzo(a)anthracene	µg/kg	54	33			
Benzo(a)pyrene	µg/kg	5.3 U	5 U			
Benzo(g,h,i)perylene	µg/kg	5.3 U	5 U			
Benzo(b)fluoranthene	µg/kg	32	5 U			
Benzo(k)fluoranthene	µg/kg	8.4	5 U			
Chrysene	µg/kg	59	39			
Dibenzo(a,h)anthracene	µg/kg	5.3 U	5 U			
Fluoranthene	µg/kg	200	110			
Indeno(1,2,3-cd)pyrene	µg/kg	5.3 U	5 U			
Pyrene	µg/kg	160	100			
Acenaphthene	µg/kg	17	10			
Acenaphthylene	µg/kg	5.3 U	5 U			
Anthracene	µg/kg	16	9			
Fluorene	µg/kg	14	7.5			
Naphthalene	µg/kg	390 U	6.5 UB			
Phenanthrene	µg/kg	63	40			
2-Methylnaphthalene	µg/kg	6.8	5 U			
bis(2-ethylhexyl)phthalate	µg/kg	180 UB	180 UB			
Di-n-butyl phthalate	µg/kg	200 UB	170 UB			
Butyl benzyl phthalate	µg/kg	26 U	25 U			
Diethylphthalate	µg/kg	17	10			
Dimethyl phthalate	µg/kg	26 U	25 U			
Di-n-octyl phthalate	µg/kg	26 U	25 U			
Pentachlorophenol	µg/kg	76	25 U			
2,4-Dichlorophenol	µg/kg	26 U	25 U			
2,4,5-Trichlorophenol	µg/kg	26 U	25 U			
2,4,6-Trichlorophenol	µg/kg	26 U	25 U			
2-Chlorophenol	µg/kg	26 U	25 U			
2,4-Dimethylphenol	µg/kg	26 U	25 U			
2,4-Dinitrophenol	µg/kg	26 U	25 U			

	Event	**Annual Monitoring of GWC wells (1999)**				
	Location	M-1	M-3			
	SampleID	**M-1**	**M-3**			
	Depth (bgs)					
	Sample Date	10/29/1999	10/29/1999			
Semivolatile Organic Compounds						
2,4-Dinitrotoluene	µg/kg	26 U	25 U			
2,6-Dinitrotoluene	µg/kg	26 U	25 U			
2-Chloronaphthalene	µg/kg	5.3 U	5 U			
2-Methylphenol	µg/kg	26 U	25 U			
3-Methylphenol	µg/kg	130	25 U			
2-Nitroaniline	µg/kg	26 U	25 U			
2-Nitrophenol	µg/kg	26 U	25 U			
3,3'-Dichlorobenzidine	µg/kg	26 U	25 U			
3-Nitroaniline	µg/kg	26 U	25 U			
4,6-Dinitro-o-cresol	µg/kg	26 U	25 U			
4-Bromophenyl phenyl ether	µg/kg	26 U	25 U			
4-Chloro-3-methylphenol	µg/kg	26 U	25 U			
4-Chloroaniline	µg/kg	26 U	25 U			
4-Chlorophenyl phenyl ether	µg/kg	26 U	25 U			
4-Nitroaniline	µg/kg	26 U	25 U			
4-Nitrophenol	µg/kg	26 U	25 U			
Benzoic acid	µg/kg	26 U	25 U			
Benzyl alcohol	µg/kg	26 U	25 U			
bis(2-chloroethoxy)methane	µg/kg	26 U	25 U			
bis(2-chloroethyl)ether	µg/kg	26 U	25 U			
bis(2-chloroisopropyl)ether	µg/kg	26 U	25 U			
Dibenzofuran	µg/kg	8.9	25 U			
Hexachlorobenzene	µg/kg	26 U	25 U			
Hexachlorobutadiene	µg/kg	390 U	25 U			
Hexachlorocyclopentadiene	µg/kg	26 U	25 U			
Hexachloroethane	µg/kg	26 U	25 U			
Isophorone	µg/kg	310	210			
Nitrobenzene	µg/kg	26 U	25 U			
N-Nitroso-di-n-propylamine	µg/kg	26 U	25 U			
N-Nitrosodiphenylamine	µg/kg	26 U	25 U			
Phenol	µg/kg	83	25 U			

	Event	Terra Vac's Annual Monitoring (1998)				
	Location	M-1	M-3			
	SampleID	**M-1**	**M-3**			
	Depth (bgs)					
	Sample Date	11/4/1998	11/5/1998			
Volatile Organic Compounds						
Tetrachloroethene	µg/kg	2.3 U	2.9 U			
Trichloroethene	µg/kg	2.3 U	2.9 U			
cis-1,2-Dichloroethene	µg/kg	2.3 U	2.9 U			
trans-1,2-Dichloroethene	µg/kg	2.3 U	2.9 U			
1,1-Dichloroethene	µg/kg	2.3 U	2.9 U			
Vinyl chloride	µg/kg	4.6 U	5.9 U			
1,1,1,2-Tetrachloroethane	µg/kg	2.3 U	2.9 U			
1,1,1-Trichloroethane	µg/kg	2.3 U	2.9 U			
1,1,2,2-Tetrachloroethane	µg/kg	2.3 U	2.9 U			
1,1,2-Trichloroethane	µg/kg	2.3 U	2.9 U			
1,1-Dichloroethane	µg/kg	2.3 U	2.9 U			
1,1,2-Trichlorotrifluoroethane	µg/kg	4.6 U	5.9 U			
Bromochloromethane	µg/kg	2.3 U	2.9 U			
Bromoethane	µg/kg	4.6 U	5.9 U			
Chloroethane	µg/kg	4.6 U	5.9 U			
Iodomethane	µg/kg	2.3 U	2.9 U			
Acetone	µg/kg	12 UB	22 UB			
Dichloromethane	µg/kg	4.6 U	6.2 UB			
1,1-Dichloropropene	µg/kg	2.3 U	2.9 U			
1,2,3-Trichlorobenzene	µg/kg	11 UJ	15 UJ			
1,2,3-Trichloropropane	µg/kg	4.6 U	5.9 U			
1,2,4-Trichlorobenzene	µg/kg	50 U	15 UJ			
1,2-Dibromo-3-chloropropane	µg/kg	11 U	15 U			
1,2-Dibromoethane	µg/kg	2.3 U	2.9 U			
1,2-Dichlorobenzene	µg/kg	50 U	2.9 UJ			
1,2-Dichloroethane	µg/kg	2.3 U	2.9 U			
1,2-Dichloropropane	µg/kg	2.3 U	2.9 U			
1,3-Dichlorobenzene	µg/kg	50 U	2.9 UJ			
1,3-Dichloropropane	µg/kg	2.3 U	2.9 U			
1,4-Dichlorobenzene	µg/kg	50 U	2.9 UJ			
2,2-Dichloropropane	µg/kg	2.3 U	2.9 U			
2-Chloroethyl vinyl ether	µg/kg	11 UJ	15 UJ			
2-Chlorotoluene	µg/kg	2.3 UJ	2.9 UJ			
2-Hexanone	µg/kg	11 U	15 U			
4-Chlorotoluene	µg/kg	2.3 UJ	2.9 UJ			
Bromobenzene	µg/kg	2.3 U	2.9 U			
Bromodichloromethane	µg/kg	2.3 U	2.9 U			
Bromoform	µg/kg	2.3 UJ	2.9 UJ			
Bromomethane	µg/kg	4.6 U	5.9 U			
Carbon disulfide	µg/kg	2.3 U	2.9 U			
Carbon tetrachloride	µg/kg	2.3 U	2.9 U			
Chlorobenzene	µg/kg	2.3 U	2.9 U			
Chloroform	µg/kg	2.3 U	2.9 U			
Chloromethane	µg/kg	4.6 U	5.9 U			
cis-1,3-Dichloropropene	µg/kg	2.3 U	2.9 U			
Dibromochloromethane	µg/kg	2.3 U	2.9 U			
Dibromomethane	µg/kg	2.3 U	2.9 U			

	Event	Terra Vac's Annual Monitoring (1998)				
	Location	M-1	M-3			
	SampleID	**M-1**	**M-3**			
	Depth (bgs)					
	Sample Date	11/4/1998	11/5/1998			
Volatile Organic Compounds						
Methyl ethyl ketone	µg/kg	11 U	15 U			
Methyl iso butyl ketone	µg/kg	11 U	15 U			
trans-1,3-Dichloropropene	µg/kg	2.3 U	2.9 U			
Trichlorofluoromethane	µg/kg	4.6 U	5.9 U			
BTEX						
Benzene	µg/kg	2.3 U	2.9 U			
Toluene	µg/kg	2.3 U	2.9 U			
Ethylbenzene	µg/kg	2.3 U	2.9 U			
Xylene (meta & para)	µg/kg	4.6 U	5.9 U			
Xylene (ortho)	µg/kg	2.3 U	2.9 U			
Xylene (total)	µg/kg	4.6 U	5.9 U			
Alkylated Benzenes						
1,3,5-Trimethylbenzene	µg/kg	2.3 UJ	2.9 UJ			
n-Propylbenzene	µg/kg	2.3 UJ	2.9 UJ			
1,2,4-Trimethylbenzene	µg/kg	2.3 UJ	2.9 UJ			
iso-Propylbenzene	µg/kg	2.3 U	2.9 U			
iso-Propyltoluene	µg/kg	2.3 UJ	2.9 UJ			
n-Butylbenzene	µg/kg	4.6 UJ	5.9 UJ			
sec-Butylbenzene	µg/kg	2.3 UJ	2.9 UJ			
Styrene	µg/kg	2.3 UJ	2.9 UJ			
tert-Butylbenzene	µg/kg	2.3 UJ	2.9 UJ			
Semivolatile Organic Compounds						
Benzo(a)anthracene	µg/kg	50 U	51			
Benzo(a)pyrene	µg/kg	50 U	50 U			
Benzo(g,h,i)perylene	µg/kg	50 U	50 U			
Benzo(b)fluoranthene	µg/kg	50 U	50 U			
Benzo(k)fluoranthene	µg/kg	50 U	50 U			
Chrysene	µg/kg	56	61			
Dibenzo(a,h)anthracene	µg/kg	50 U	50 U			
Fluoranthene	µg/kg	74	100			
Indeno(1,2,3-cd)pyrene	µg/kg	50 U	50 U			
Pyrene	µg/kg	59	100			
Acenaphthene	µg/kg	50 U	50 U			
Acenaphthylene	µg/kg	50 U	50 U			
Anthracene	µg/kg	50 U	50 U			
Fluorene	µg/kg	50 U	50 U			
Naphthalene	µg/kg	50 U	50 U			
Phenanthrene	µg/kg	50 U	50 U			
2-Methylnaphthalene	µg/kg	50 U	50 U			
bis(2-ethylhexyl)phthalate	µg/kg	50 U	50 U			
Di-n-butyl phthalate	µg/kg	50 U	50 U			
Butyl benzyl phthalate	µg/kg	50 U	50 U			
Diethylphthalate	µg/kg	50 U	50 U			
Dimethyl phthalate	µg/kg	50 U	50 U			
Di-n-octyl phthalate	µg/kg	50 U	50 U			
Pentachlorophenol	µg/kg	250 U	250 U			
2,4-Dichlorophenol	µg/kg	150 U	150 U			

	Event	Terra Vac's Annual Monitoring (1998)				
	Location	M-1	M-3			
	SampleID	**M-1**	**M-3**			
	Depth (bgs)					
	Sample Date	11/4/1998	11/5/1998			
Semivolatile Organic Compounds						
2,4,5-Trichlorophenol	µg/kg	250 U	250 U			
2,4,6-Trichlorophenol	µg/kg	250 U	250 U			
2-Chlorophenol	µg/kg	50 U	50 U			
2,4-Dimethylphenol	µg/kg	150 U	150 U			
2,4-Dinitrophenol	µg/kg	500 U	500 U			
2,4-Dinitrotoluene	µg/kg	250 U	250 U			
2,6-Dinitrotoluene	µg/kg	250 U	250 U			
2-Chloronaphthalene	µg/kg	50 U	50 U			
2-Methylphenol	µg/kg	100 U	99 U			
2-Nitroaniline	µg/kg	250 U	250 U			
2-Nitrophenol	µg/kg	250 U	250 U			
3,3'-Dichlorobenzidine	µg/kg	250 U	250 U			
3-Nitroaniline	µg/kg	300 U	300 U			
4,6-Dinitro-o-cresol	µg/kg	500 U	500 U			
4-Bromophenyl phenyl ether	µg/kg	50 U	50 U			
4-Chloro-3-methylphenol	µg/kg	100 U	99 U			
4-Chloroaniline	µg/kg	150 U	150 U			
4-Chlorophenyl phenyl ether	µg/kg	50 U	50 U			
4-Methylphenol	µg/kg	50 U	50 U			
4-Nitroaniline	µg/kg	250 U	250 U			
4-Nitrophenol	µg/kg	250 U	250 U			
Acrylonitrile	µg/kg	11 U	15 U			
Benzoic acid	µg/kg	500 U	500 U			
Benzyl alcohol	µg/kg	250 U	250 U			
bis(2-chloroethoxy)methane	µg/kg	50 U	50 U			
bis(2-chloroethyl)ether	µg/kg	100 U	99 U			
bis-chloroisopropyl ether	µg/kg	50 U	50 U			
Carbazole	µg/kg	50 U	50 U			
Dibenzofuran	µg/kg	50 U	50 U			
Hexachlorobenzene	µg/kg	50 U	50 U			
Hexachlorobutadiene	µg/kg	100 U	99 U			
Hexachlorocyclopentadiene	µg/kg	250 U	250 U			
Hexachloroethane	µg/kg	100 U	99 U			
Isophorone	µg/kg	86	120			
Nitrobenzene	µg/kg	50 U	50 U			
N-Nitroso-di-n-propylamine	µg/kg	100 U	99 U			
N-Nitrosodiphenylamine	µg/kg	50 U	50 U			
Phenol	µg/kg	100 U	99 U			
trans-1,4-Dichloro-2-butene	µg/kg	11 UJ	15 UJ			

	Event	Terra Vac's Annual Monitoring (1997)				
	Location	M-1	M-3			
	SampleID	**M-1**	**M-3**			
	Depth (bgs)					
	Sample Date	11/4/1997	11/4/1997			
Volatile Organic Compounds						
Tetrachloroethene	µg/kg	24 U	25 U			
Trichloroethene	µg/kg	24 U	25 U			
cis-1,2-Dichloroethene	µg/kg	24 U	25 U			
trans-1,2-Dichloroethene	µg/kg	24 U	25 U			
1,1-Dichloroethene	µg/kg	24 U	25 U			
Vinyl chloride	µg/kg	24 U	25 U			
1,1,1,2-Tetrachloroethane	µg/kg	24 U	25 U			
1,1,1-Trichloroethane	µg/kg	24 U	25 U			
1,1,2,2-Tetrachloroethane	µg/kg	24 U	25 U			
1,1,2-Trichloroethane	µg/kg	24 U	25 U			
1,1-Dichloroethane	µg/kg	24 U	25 U			
Bromochloromethane	µg/kg	24 U	25 U			
Chloroethane	µg/kg	24 U	25 U			
Dichloromethane	µg/kg	9.4 U	10 U			
1,1-Dichloropropene	µg/kg	24 U	25 U			
1,2,3-Trichlorobenzene	µg/kg	24 U	25 U			
1,2,3-Trichloropropane	µg/kg	24 U	25 U			
1,2,4-Trichlorobenzene	µg/kg	24 U	25 U			
1,2-Dibromo-3-chloropropane	µg/kg	24 U	25 U			
1,2-Dibromoethane	µg/kg	24 U	25 U			
1,2-Dichlorobenzene	µg/kg	24 U	25 U			
1,2-Dichloroethane	µg/kg	24 U	25 U			
1,2-Dichloropropane	µg/kg	24 U	25 U			
1,3-Dichlorobenzene	µg/kg	24 U	25 U			
1,3-Dichloropropane	µg/kg	24 U	25 U			
1,4-Dichlorobenzene	µg/kg	24 U	25 U			
2,2-Dichloropropane	µg/kg	24 U	25 U			
2-Chlorotoluene	µg/kg	24 U	25 U			
4-Chlorotoluene	µg/kg	24 U	25 U			
Bromobenzene	µg/kg	24 U	25 U			
Bromodichloromethane	µg/kg	24 U	25 U			
Bromoform	µg/kg	24 U	25 U			
Bromomethane	µg/kg	24 U	25 U			
Carbon tetrachloride	µg/kg	24 U	25 U			
Chlorobenzene	µg/kg	24 U	25 U			
Chloroform	µg/kg	24 U	25 U			
Chloromethane	µg/kg	24 U	3.9 J			
Dibromochloromethane	µg/kg	24 U	25 U			
Dibromomethane	µg/kg	24 U	25 U			
Dichlorodifluoromethane	µg/kg	24 U	3 J			
Trichlorofluoromethane	µg/kg	24 U	25 U			
BTEX						
Benzene	µg/kg	24 U	25 U			
Toluene	µg/kg	24 U	25 U			
Ethylbenzene	µg/kg	24 U	25 U			
Xylene (meta & para)	µg/kg	48 U	50 U			
Xylene (ortho)	µg/kg	24 U	25 U			

	Event	**Terra Vac's Annual Monitoring (1997)**				
	Location	M-1	M-3			
	SampleID	**M-1**	**M-3**			
	Depth (bgs)					
	Sample Date	11/4/1997	11/4/1997			
Alkylated Benzenes						
1,3,5-Trimethylbenzene	µg/kg	24 U	25 U			
n-Propylbenzene	µg/kg	24 U	25 U			
1,2,4-Trimethylbenzene	µg/kg	24 U	25 U			
iso-Propylbenzene	µg/kg	24 U	25 U			
iso-Propyltoluene	µg/kg	24 U	25 U			
n-Butylbenzene	µg/kg	24 U	25 U			
sec-Butylbenzene	µg/kg	24 U	25 U			
Styrene	µg/kg	24 U	25 U			
tert-Butylbenzene	µg/kg	24 U	25 U			
Semivolatile Organic Compounds						
Naphthalene	µg/kg	24 U	25 U			
Hexachlorobutadiene	µg/kg	24 U	25 U			

	Event	**Hart Crowser's Annual Monitoring (December 1996)**				
	Location	M-1	M-2	M-3		
	SampleID	**M-1**	**M-2**	**M-3**		
	Depth (bgs)					
	Sample Date	12/11/1996	12/11/1996	12/11/1996		
Volatile Organic Compounds						
Tetrachloroethene	µg/kg	2 U	2 U	2 U		
Trichloroethene	µg/kg	2 U	2 U	2 U		
cis-1,2-Dichloroethene	µg/kg	2 U	2 U	2 U		
trans-1,2-Dichloroethene	µg/kg	2 U	2 U	2 U		
1,1-Dichloroethene	µg/kg	2 U	2 U	2 U		
Vinyl chloride	µg/kg	2 U	2 U	2 U		
1,1,1-Trichloroethane	µg/kg	2 U	2 U	2 U		
1,1,2,2-Tetrachloroethane	µg/kg	2 U	2 U	2 U		
1,1,2-Trichloroethane	µg/kg	2 U	2 U	2 U		
1,1-Dichloroethane	µg/kg	2 U	2 U	2 U		
Chloroethane	µg/kg	2 U	2 U	2 U		
Acetone	µg/kg	10 U	10 U	10 U		
Dichloromethane	µg/kg	2 U	2 U	2 U		
1,2-Dichloroethane	µg/kg	2 U	2 U	2 U		
1,2-Dichloropropane	µg/kg	2 U	2 U	2 U		
2-Hexanone	µg/kg	10 U	10 U	10 U		
Bromodichloromethane	µg/kg	2 U	2 U	2 U		
Bromoform	µg/kg	2 U	2 U	2 U		
Bromomethane	µg/kg	2 U	2 U	2 U		
Carbon disulfide	µg/kg	2 U	2 U	2 U		
Carbon tetrachloride	µg/kg	2 U	2 U	2 U		
Chlorobenzene	µg/kg	2 U	2 U	2 U		
Chloroform	µg/kg	2 U	2 U	2 U		
Chloromethane	µg/kg	2 U	2 U	2 U		
cis-1,3-Dichloropropene	µg/kg	2 U	2 U	2 U		
Dibromochloromethane	µg/kg	2 U	2 U	2 U		
Dichlorodifluoromethane	µg/kg	2 U	2 U	2 U		
Methyl ethyl ketone	µg/kg	10 U	10 U	10 U		
Methyl iso butyl ketone	µg/kg	10 U	10 U	10 U		
trans-1,3-Dichloropropene	µg/kg	2 U	2 U	2 U		
Trichlorofluoromethane	µg/kg	2 U	2 U	2 U		
BTEX						
Benzene	µg/kg	2 U	2 U	2 U		
Toluene	µg/kg	2 U	2 U	2 U		
Ethylbenzene	µg/kg	2 U	2 U	2 U		
Xylene (meta & para)	µg/kg	2 U	2 U	2 U		
Xylene (ortho)	µg/kg	2 U	2 U	2 U		
Alkylated Benzenes						
Styrene	µg/kg	2 U	2 U	2 U		

	Event	Hart Crowser's Annual Monitoring (1995)				
	Location	M-1	M-3			
	SampleID	**M-1**	**M-3**			
	Depth (bgs)					
	Sample Date	10/27/1995	10/27/1995			
Volatile Organic Compounds						
Tetrachloroethene	µg/kg	6 U	6 U			
Trichloroethene	µg/kg	6 U	6 U			
cis-1,2-Dichloroethene	µg/kg	6 U	6 U			
trans-1,2-Dichloroethene	µg/kg	6 U	6 U			
1,1-Dichloroethene	µg/kg	6 U	6 U			
Vinyl chloride	µg/kg	6 U	6 U			
1,1,1-Trichloroethane	µg/kg	6 U	6 U			
1,1,2,2-Tetrachloroethane	µg/kg	6 U	6 U			
1,1,2-Trichloroethane	µg/kg	6 U	6 U			
1,1-Dichloroethane	µg/kg	6 U	6 U			
Chloroethane	µg/kg	6 U	6 U			
Acetone	µg/kg	10 U	10 U			
Dichloromethane	µg/kg	5 J	5 J			
1,2-Dichloroethane	µg/kg	6 U	6 U			
1,2-Dichloropropane	µg/kg	6 U	6 U			
2-Hexanone	µg/kg	10 U	10 U			
Bromodichloromethane	µg/kg	6 U	6 U			
Bromoform	µg/kg	6 U	6 U			
Bromomethane	µg/kg	6 U	6 U			
Carbon disulfide	µg/kg	6 U	6 U			
Carbon tetrachloride	µg/kg	6 U	6 U			
Chlorobenzene	µg/kg	6 U	6 U			
Chloroform	µg/kg	2 J	1 J			
Chloromethane	µg/kg	6 U	6 U			
cis-1,3-Dichloropropene	µg/kg	6 U	6 U			
Dibromochloromethane	µg/kg	6 U	6 U			
Dichlorodifluoromethane	µg/kg	6 U	6 U			
Methyl ethyl ketone	µg/kg	10 U	150			
Methyl iso butyl ketone	µg/kg	10 U	10 U			
trans-1,3-Dichloropropene	µg/kg	6 U	6 U			
Trichlorofluoromethane	µg/kg	6 U	6 U			
Vinyl acetate	µg/kg	6 U	6 U			
BTEX						
Benzene	µg/kg	6 U	6 U			
Toluene	µg/kg	6 U	6 U			
Ethylbenzene	µg/kg	6 U	6 U			
Xylene (meta & para)	µg/kg	6 U	6 U			
Xylene (ortho)	µg/kg	6 U	6 U			
Alkylated Benzenes						
Styrene	µg/kg	6 U	6 U			
Semivolatile Organic Compounds						
Acrolein	µg/kg	6 U	6 U			
Acrylonitrile	µg/kg	6 U	6 U			

	Event	Hart Crowser's Post-RI Sampling (May 1995)				
	Location	M-1	M-3			
	SampleID	**M-1**	**M-3**			
	Depth (bgs)					
	Sample Date	5/15/1995	5/15/1995			
Volatile Organic Compounds						
Tetrachloroethene	µg/kg	2 U	1 U			
Trichloroethene	µg/kg	2 U	1 U			
cis-1,2-Dichloroethene	µg/kg	2 U	1 U			
trans-1,2-Dichloroethene	µg/kg	2 U	1 U			
1,1-Dichloroethene	µg/kg	2 U	1 U			
Vinyl chloride	µg/kg	2 U	1 U			
1,1,1-Trichloroethane	µg/kg	2 U	1 U			
1,1,2,2-Tetrachloroethane	µg/kg	2 U	1 U			
1,1,2-Trichloroethane	µg/kg	2 U	1 U			
1,1-Dichloroethane	µg/kg	2 U	1 U			
Chloroethane	µg/kg	4 U	2 U			
Acetone	µg/kg	160	38			
Dichloromethane	µg/kg	8 U	6 U			
1,2-Dichloroethane	µg/kg	2 U	1 U			
1,2-Dichloropropane	µg/kg	2 U	1 U			
2-Hexanone	µg/kg	6 U	3 U			
Bromodichloromethane	µg/kg	2 U	1 U			
Bromoform	µg/kg	2 U	1 U			
Bromomethane	µg/kg	2 U	1 U			
Carbon disulfide	µg/kg	6 U	3 U			
Carbon tetrachloride	µg/kg	2 U	1 U			
Chlorobenzene	µg/kg	2 U	1 U			
Chloroform	µg/kg	2 U	1 U			
Chloromethane	µg/kg	120	29			
cis-1,3-Dichloropropene	µg/kg	2 U	1 U			
Dibromochloromethane	µg/kg	2 U	1 U			
Dichlorodifluoromethane	µg/kg	2 U	1 U			
Methyl ethyl ketone	µg/kg	46	3 U			
Methyl iso butyl ketone	µg/kg	6 U	3 U			
trans-1,3-Dichloropropene	µg/kg	2 U	1 U			
Trichlorofluoromethane	µg/kg	10 U	5 U			
Vinyl acetate	µg/kg	2 U	1 U			
BTEX						
Benzene	µg/kg	2 U	1 U			
Toluene	µg/kg	5 J	1 U			
Ethylbenzene	µg/kg	2 U	1 U			
Xylene (meta & para)	µg/kg	2 U	1 U			
Xylene (ortho)	µg/kg	2 U	1 U			
Alkylated Benzenes						
Styrene	µg/kg	2 U	1 U			
Semivolatile Organic Compounds						
Acrolein	µg/kg	4 U	2 U			
Acrylonitrile	µg/kg	2 U	1 U			

	Event	Hart Crowser's Post-RI Sampling (November 1994)				
	Location	M-1	M-3			
	SampleID	**M-1**	**M-3**			
	Depth (bgs)					
	Sample Date	11/4/1994	11/4/1994			
Volatile Organic Compounds						
Tetrachloroethene	µg/kg	2 U	2 U			
Trichloroethene	µg/kg	2 U	2 U			
cis-1,2-Dichloroethene	µg/kg	2 U	2 U			
trans-1,2-Dichloroethene	µg/kg	2 U	2 U			
1,1-Dichloroethene	µg/kg	2 U	2 U			
Vinyl chloride	µg/kg	2 U	2 U			
1,1,1-Trichloroethane	µg/kg	2 U	2 U			
1,1,2,2-Tetrachloroethane	µg/kg	2 U	2 U			
1,1,2-Trichloroethane	µg/kg	2 U	2 U			
1,1-Dichloroethane	µg/kg	2 U	2 U			
Chloroethane	µg/kg	4 U	4 U			
Acetone	µg/kg	45 U	85			
Dichloromethane	µg/kg	7 U	8 U			
1,2-Dichloroethane	µg/kg	2 U	2 U			
1,2-Dichloropropane	µg/kg	2 U	2 U			
2-Hexanone	µg/kg	2 U	2 U			
Bromodichloromethane	µg/kg	2 U	2 U			
Bromoform	µg/kg	2 U	2 U			
Bromomethane	µg/kg	2 U	2 U			
Carbon disulfide	µg/kg	6 U	6 U			
Carbon tetrachloride	µg/kg	2 U	2 U			
Chlorobenzene	µg/kg	2 U	2 U			
Chloroform	µg/kg	2 U	2 U			
Chloromethane	µg/kg	2 U	2 U			
cis-1,3-Dichloropropene	µg/kg	2 U	2 U			
Dibromochloromethane	µg/kg	2 U	2 U			
Dichlorodifluoromethane	µg/kg	2 U	2 U			
Methyl ethyl ketone	µg/kg	4 U	4 U			
Methyl iso butyl ketone	µg/kg	4 U	4 U			
trans-1,3-Dichloropropene	µg/kg	2 U	2 U			
Trichlorofluoromethane	µg/kg	10 U	10 U			
Vinyl acetate	µg/kg	2 U	2 U			
BTEX						
Benzene	µg/kg	2 U	2 U			
Toluene	µg/kg	2 J	2 J			
Ethylbenzene	µg/kg	2 U	2 U			
Xylene (meta & para)	µg/kg	2 U	2 U			
Xylene (ortho)	µg/kg	2 U	2 U			
Alkylated Benzenes						
Styrene	µg/kg	2 U	2 U			
Semivolatile Organic Compounds						
Acrolein	µg/kg	4 U	4 U			
Acrylonitrile	µg/kg	2 U	2 U			

	Event	Hart Crowser's Post-RI Sampling (July 1994)				
	Location	M-1	M-2	M-3		
	SampleID	**M-1**	**M-2**	**M-3**		
	Depth (bgs)					
	Sample Date	7/22/1994	7/22/1994	7/22/1994		
Volatile Organic Compounds						
Tetrachloroethene	µg/kg	2 U	2 U	2 U		
Trichloroethene	µg/kg	2 U	2 U	2 U		
1,2-Dichloroethene (total)	µg/kg	2 U	2 U	2 U		
cis-1,2-Dichloroethene	µg/kg	2 U	2 U	2 U		
trans-1,2-Dichloroethene	µg/kg	2 U	2 U	2 U		
1,1-Dichloroethene	µg/kg	2 U	2 U	2 U		
Vinyl chloride	µg/kg	2 U	2 U	2 U		
1,1,1-Trichloroethane	µg/kg	2 U	2 U	2 U		
1,1,2,2-Tetrachloroethane	µg/kg	2 U	2 U	2 U		
1,1,2-Trichloroethane	µg/kg	2 U	2 U	2 U		
1,1-Dichloroethane	µg/kg	2 U	2 U	2 U		
Chloroethane	µg/kg	4 U	4 U	4 U		
Acetone	µg/kg	12 U	12 U	12 U		
Dichloromethane	µg/kg	16 U	12 U	13 U		
1,2-Dichloroethane	µg/kg	2 U	2 U	2 U		
1,2-Dichloropropane	µg/kg	2 U	2 U	2 U		
2-Hexanone	µg/kg	2 U	2 U	2 U		
Bromodichloromethane	µg/kg	2 U	2 U	2 U		
Bromoform	µg/kg	2 U	2 U	2 U		
Bromomethane	µg/kg	2 U	2 U	2 U		
Carbon disulfide	µg/kg	2 U	2 U	2 U		
Carbon tetrachloride	µg/kg	2 U	2 U	2 U		
Chlorobenzene	µg/kg	2 U	2 U	2 U		
Chloroform	µg/kg	2 U	2 U	2 U		
Chloromethane	µg/kg	2 U	2 U	2 U		
cis-1,3-Dichloropropene	µg/kg	2 U	2 U	2 U		
Dibromochloromethane	µg/kg	2 U	2 U	2 U		
Dichlorodifluoromethane	µg/kg	2 U	2 U	2 U		
Methyl ethyl ketone	µg/kg	4 U	4 U	4 U		
Methyl iso butyl ketone	µg/kg	2 U	2 U	2 U		
trans-1,3-Dichloropropene	µg/kg	2 U	2 U	2 U		
Trichlorofluoromethane	µg/kg	10 U	10 U	10 U		
Vinyl acetate	µg/kg	2 U	2 U	2 U		
BTEX						
Benzene	µg/kg	2 U	2 U	2 U		
Toluene	µg/kg	2 U	2 U	2 U		
Ethylbenzene	µg/kg	2 U	2 U	2 U		
Xylene (meta & para)	µg/kg	2 U	2 U	2 U		
Xylene (ortho)	µg/kg	2 U	2 U	2 U		
Xylene (total)	µg/kg	2 U	2 U	2 U		
Alkylated Benzenes						
Styrene	µg/kg	2 U	2 U	2 U		
Semivolatile Organic Compounds						
Acrolein	µg/kg	4 U	4 U	4 U		
Acrylonitrile	µg/kg	2 U	2 U	2 U		

	Event	Hart Crowser's Post-RI Sampling (April 1994)				
	Location	M-1	M-2	M-3		
	SampleID	**M-1**	**M-2**	**M-3**		
	Depth (bgs)					
	Sample Date	4/28/1994	4/28/1994	4/28/1994		
Volatile Organic Compounds						
Tetrachloroethene	µg/kg	2 U	2 U	2 U		
Trichloroethene	µg/kg	2 U	2 U	2 U		
1,2-Dichloroethene (total)	µg/kg	2 U	2 U	2 U		
cis-1,2-Dichloroethene	µg/kg	2 U	2 U	2 U		
trans-1,2-Dichloroethene	µg/kg	2 U	2 U	2 U		
1,1-Dichloroethene	µg/kg	2 U	2 U	2 U		
Vinyl chloride	µg/kg	2 U	2 U	2 U		
1,1,1-Trichloroethane	µg/kg	2 U	2 U	2 U		
1,1,2,2-Tetrachloroethane	µg/kg	2 U	2 U	2 U		
1,1,2-Trichloroethane	µg/kg	2 U	2 U	2 U		
1,1-Dichloroethane	µg/kg	2 U	2 U	2 U		
Chloroethane	µg/kg	4 U	4 U	4 U		
Acetone	µg/kg	12 U	12 U	12 U		
Dichloromethane	µg/kg	17 U	2 U	2 U		
1,2,3-Trichloropropane	µg/kg	2 U	2 U	2 U		
1,2-Dichloroethane	µg/kg	2 U	2 U	2 U		
1,2-Dichloropropane	µg/kg	2 U	2 U	2 U		
2-Hexanone	µg/kg	2 U	2 U	2 U		
Bromodichloromethane	µg/kg	2 U	2 U	2 U		
Bromoform	µg/kg	2 U	2 U	2 U		
Bromomethane	µg/kg	2 U	2 U	2 U		
Carbon disulfide	µg/kg	50 J	2 U	54 J		
Carbon tetrachloride	µg/kg	2 U	2 U	2 U		
Chlorobenzene	µg/kg	2 U	2 U	2 U		
Chloroform	µg/kg	2 U	2 U	2 U		
Chloromethane	µg/kg	2 U	2 U	2 U		
cis-1,3-Dichloropropene	µg/kg	2 U	2 U	2 U		
Dibromochloromethane	µg/kg	2 U	2 U	2 U		
Dichlorodifluoromethane	µg/kg	2 U	2 U	2 U		
Methyl ethyl ketone	µg/kg	4 U	4 U	4 U		
Methyl iso butyl ketone	µg/kg	2 U	2 U	2 U		
trans-1,3-Dichloropropene	µg/kg	2 U	2 U	2 U		
Trichlorofluoromethane	µg/kg	10 U	10 U	10 U		
Vinyl acetate	µg/kg	2 U	2 U	2 U		
BTEX						
Benzene	µg/kg	19 J	34 J	21 J		
Toluene	µg/kg	2 U	2 U	2 U		
Ethylbenzene	µg/kg	2 U	2 U	2 U		
Xylene (meta & para)	µg/kg	2 U	2 U	2 U		
Xylene (ortho)	µg/kg	2 U	2 U	2 U		
Xylene (total)	µg/kg	2 U	2 U	2 U		
Alkylated Benzenes						
Styrene	µg/kg	2 U	2 U	2 U		
Semivolatile Organic Compounds						
Acrolein	µg/kg	4 U	4 U	4 U		
Acrylonitrile	µg/kg	2 U	2 U	2 U		

Table F.7
Chemistry Data for Air Samples

	Event	**Fox-Ave Vapor Intrusion Sampling (March 2009)**				
	Location	AA-1	AA-2	AA-3	AA-4	IA-1
	SampleID	**AA-1**	**AA-2**	**AA-3**	**AA-4**	**IA-1**
	Depth (bgs)	-67 in	-45 in	-55 in	-45 in	-50 in
	Sample Date	3/26/2009	3/26/2009	3/26/2009	3/26/2009	3/26/2009
Volatile Organic Compounds						
Tetrachloroethene	µg/m³	0.46	0.58	0.37	2	75
Trichloroethene	µg/m³	0.18 U	0.17 U	0.18 U	0.37	1.1
Dichloromethane	µg/m³	1.1 U	1.1 U	1.1 U	1.6	1.6
BTEX						
Benzene	µg/m³	1.3	1.3	1.4	2.3	2.4

	Event	**Fox-Ave Vapor Intrusion Sampling (March 2009)**				
	Location	IA-2	IA-3	IA-4		
	SampleID	**IA-2**	**IA-3**	**IA-4**		
	Depth (bgs)	-48 in	-55 in	-53 in		
	Sample Date	3/26/2009	3/26/2009	3/26/2009		
Volatile Organic Compounds						
Tetrachloroethene	µg/m³	53	6	3.2		
Trichloroethene	µg/m³	1	0.52	0.2		
Dichloromethane	µg/m³	1.6	2.4	1.1 U		
BTEX						
Benzene	µg/m³	2.3	2.7	1.7		

	Event	**Great Western Ambient Air Sampling (June - July 2000)**				
	Location	B-20A Upwind	B-58	B-58	B-63 Upwind	Downwind
	SampleID	**9525-01**	**9525-03**	**9525-04**	**9525-02**	**9525-07**
	Depth (bgs)					
	Sample Date	6/9/2000	6/9/2000	6/9/2000	6/9/2000	6/9/2000
Volatile Organic Compounds						
Tetrachloroethene	µg/m³	1.3	2.7	2.6	0.76 J	2.9
Trichloroethene	µg/m³	1 U	1 U	1 U	1 U	1 U
cis-1,2-Dichloroethene	µg/m³	1 U	1 U	1 U	1 U	1 U
trans-1,2-Dichloroethene	µg/m³	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethene	µg/m³	1 U	1 U	1 U	1 U	1 U
Vinyl chloride	µg/m³	1 U	1 U	1 U	1 U	1 U
1,1,1-Trichloroethane	µg/m³	1 U	1 U	1 U	1 U	1 U
1,1,2,2-Tetrachloroethane	µg/m³	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichloroethane	µg/m³	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	µg/m³	1 U	1 U	1 U	1 U	1 U
Chloroethane	µg/m³	1 U	1 U	1 U	1 U	1 U
Acetone	µg/m³	22	15	13	7.4	12
Dichloromethane	µg/m³	8.5	8.4	8.8	2.6	7.9
1,2-Dibromoethane	µg/m³	1 U	1 U	1 U	1 U	1 U
1,2-Dichlorobenzene	µg/m³	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethane	µg/m³	1 U	1 U	1 U	1 U	1 U
1,2-Dichloropropane	µg/m³	1 U	1 U	1 U	1 U	1 U
1,3-Dichlorobenzene	µg/m³	1 U	1 U	1 U	1 U	1 U
1,4-Dichlorobenzene	µg/m³	1 U	1 U	1 U	1 U	1 U
2-Hexanone	µg/m³	1 U	1 U	1 U	1 U	1 U
Bromodichloromethane	µg/m³	1 U	1 U	1 U	1 U	1 U
Bromoform	µg/m³	1 U	1 U	1 U	1 U	1 U
Bromomethane	µg/m³	1 U	1 U	1 U	1 U	1 U
Carbon disulfide	µg/m³	1 U	1 U	1 U	1 U	1.8
Carbon tetrachloride	µg/m³	1 U	1 U	1 U	1 U	1 U
Chlorobenzene	µg/m³	1 U	1 U	1 U	1 U	1 U
Chloroform	µg/m³	1 U	1 U	1 U	1 U	1 U
Chloromethane	µg/m³	1 U	1 U	1 U	1 U	1 U
cis-1,3-Dichloropropene	µg/m³	1 U	1 U	1 U	1 U	1 U
Dibromochloromethane	µg/m³	1 U	1 U	1 U	1 U	1 U
Methyl ethyl ketone	µg/m³	4.7	5.6	3.8	3.4	4.1
Methyl iso butyl ketone	µg/m³	1 U	1 U	1 U	1 U	1 U
Methyl-Tert-Butyl Ether	µg/m³	1 U	1 U	1 U	1 U	1 U
trans-1,3-Dichloropropene	µg/m³	1 U	1 U	1 U	1 U	1 U
Trichlorofluoromethane	µg/m³	96	84	87	130	3.8
Trichlorotrifluoroethane	µg/m³	0.71 J	0.81 J	0.8 J	0.76 J	0.78 J
Vinyl acetate	µg/m³	1 U	1 U	1 U	1 U	1 U
BTEX						
Benzene	µg/m³	3	4	4	3 U	2
Toluene	µg/m³	20	26	22	24	20
Ethylbenzene	µg/m³	7.1	7.6	7.2	8	5.1
Xylene (meta & para)	µg/m³	29	30	28	27	20
Xylene (ortho)	µg/m³	9.8	10	9.8	7.9	6.9
Alkylated Benzenes						
Styrene	µg/m³	3.3	4.2	4.6	4.3	1

	Event	Great Western Ambient Air Sampling (June - July 2000)				
	Location	Wrhs-ChangeRm	Wrhs-Office	Wrhs-ChangeRm 6-12	Wrhs-ChangeRm 5ft	Wrhs-Office 6-12
	SampleID	**9525-06**	**9525-05**	**9252-10**	**9252-11**	**9252-08**
	Depth (bgs)			-6 to -12 in	-5 ft	-6 to -12 in
	Sample Date	6/9/2000	6/9/2000	7/12/2000	7/12/2000	7/12/2000
Volatile Organic Compounds						
Tetrachloroethene	µg/m³	100	82	130	140	55
Trichloroethene	µg/m³	22	13	32	33	12
cis-1,2-Dichloroethene	µg/m³	11	4.6	14	14	3
trans-1,2-Dichloroethene	µg/m³	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethene	µg/m³	1 U	1 U	1 U	1 U	1 U
Vinyl chloride	µg/m³	1 U	1 U	1 U	1 U	1 U
1,1,1-Trichloroethane	µg/m³	1.4	1.2	2.1	2.3	0.94 J
1,1,2,2-Tetrachloroethane	µg/m³	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichloroethane	µg/m³	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	µg/m³	1 U	1 U	1 U	1 U	1 U
Chloroethane	µg/m³	1 U	1 U	1 U	1 U	1 U
Acetone	µg/m³	29	35	45	47	28
Dichloromethane	µg/m³	43	20	53	58	14
1,2-Dibromoethane	µg/m³	1 U	1 U	1 U	1 U	1 U
1,2-Dichlorobenzene	µg/m³	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethane	µg/m³	1 U	1 U	1 U	1 U	1 U
1,2-Dichloropropane	µg/m³	1 U	1 U	1 U	1 U	1 U
1,3-Dichlorobenzene	µg/m³	1 U	1 U	1 U	1 U	1 U
1,4-Dichlorobenzene	µg/m³	1.4	1 U	1 U	1 U	1 U
2-Hexanone	µg/m³	1 U	1 U	1 U	1 U	1 U
Bromodichloromethane	µg/m³	1 U	1 U	1 U	1 U	1 U
Bromoform	µg/m³	1 U	1 U	1 U	1 U	1 U
Bromomethane	µg/m³	1 U	1 U	1 U	1 U	1 U
Carbon disulfide	µg/m³	2	2.2	1 U	1 U	4.1
Carbon tetrachloride	µg/m³	0.67 J	1 U	1.1	1.1	0.87 J
Chlorobenzene	µg/m³	1 U	1 U	1 U	1 U	1 U
Chloroform	µg/m³	5.1	4.6	25	25	19
Chloromethane	µg/m³	1 U	1 U	1 U	1 U	1 U
cis-1,3-Dichloropropene	µg/m³	1 U	1 U	1 U	1 U	1 U
Dibromochloromethane	µg/m³	1 U	1 U	1 U	1 U	1 U
Methyl ethyl ketone	µg/m³	4.2	4.8	4.1	7.8	16
Methyl iso butyl ketone	µg/m³	1.7	1.3	0.96 J	2.1	3.4
Methyl-Tert-Butyl Ether	µg/m³	1 U	1 U	1 U	1 U	1 U
trans-1,3-Dichloropropene	µg/m³	1 U	1 U	1 U	1 U	1 U
Trichlorofluoromethane	µg/m³	13	14	3.7	3.7	2.3
Trichlorotrifluoroethane	µg/m³	0.77 J	0.82 J	0.69 J	1 U	0.73 J
Vinyl acetate	µg/m³	1 U	1 U	1 U	1 U	1 U
BTEX						
Benzene	µg/m³	9.8	6.2	14	14	4.7
Toluene	µg/m³	75	43	96	98	31
Ethylbenzene	µg/m³	14	8.6	20	20	4.6
Xylene (meta & para)	µg/m³	61	36	85	87	21
Xylene (ortho)	µg/m³	17	11	24	24	6.4
Alkylated Benzenes						
Styrene	µg/m³	1.3	1.8	1.3	1.5	1 U

	Event	Great Western Ambient Air Sampling (June - July 2000)				
	Location	Wrhs-Office 5ft				
	SampleID	**9252-09**				
	Depth (bgs)	-5 ft				
	Sample Date	7/12/2000				
Volatile Organic Compounds						
Tetrachloroethene	µg/m³	60				
Trichloroethene	µg/m³	11				
cis-1,2-Dichloroethene	µg/m³	2.9				
trans-1,2-Dichloroethene	µg/m³	1 U				
1,1-Dichloroethene	µg/m³	1 U				
Vinyl chloride	µg/m³	1 U				
1,1,1-Trichloroethane	µg/m³	1				
1,1,2,2-Tetrachloroethane	µg/m³	1 U				
1,1,2-Trichloroethane	µg/m³	1 U				
1,1-Dichloroethane	µg/m³	1 U				
Chloroethane	µg/m³	1 U				
Acetone	µg/m³	28				
Dichloromethane	µg/m³	14				
1,2-Dibromoethane	µg/m³	1 U				
1,2-Dichlorobenzene	µg/m³	1 U				
1,2-Dichloroethane	µg/m³	1 U				
1,2-Dichloropropane	µg/m³	1 U				
1,3-Dichlorobenzene	µg/m³	1 U				
1,4-Dichlorobenzene	µg/m³	1 U				
2-Hexanone	µg/m³	1 U				
Bromodichloromethane	µg/m³	1 U				
Bromoform	µg/m³	1 U				
Bromomethane	µg/m³	1 U				
Carbon disulfide	µg/m³	1 U				
Carbon tetrachloride	µg/m³	1 U				
Chlorobenzene	µg/m³	1 U				
Chloroform	µg/m³	17				
Chloromethane	µg/m³	1 U				
cis-1,3-Dichloropropene	µg/m³	1 U				
Dibromochloromethane	µg/m³	1 U				
Methyl ethyl ketone	µg/m³	5				
Methyl iso butyl ketone	µg/m³	0.93 J				
Methyl-Tert-Butyl Ether	µg/m³	1 U				
trans-1,3-Dichloropropene	µg/m³	1 U				
Trichlorofluoromethane	µg/m³	2.4				
Trichlorotrifluoroethane	µg/m³	1 U				
Vinyl acetate	µg/m³	1 U				
BTEX						
Benzene	µg/m³	4.7				
Toluene	µg/m³	28				
Ethylbenzene	µg/m³	4.8				
Xylene (meta & para)	µg/m³	20				
Xylene (ortho)	µg/m³	6.3				
Alkylated Benzenes						
Styrene	µg/m³	0.87 J				

Fox Avenue Site
Seattle, Washington

Remedial Investigation/ Feasibility Study

Appendix G
Identification of Chemicals of Concern

FINAL

List of Tables

Fox Avenue Site
Seattle, Washington

Remedial Investigation/ Feasibility Study

Appendix G
Identification of Chemicals of Concern

Tables

FINAL

Table G.1
Chemicals Not Detected in Soil
All Dates

Chemical	Units	Number of Results	Minimum Reporting Limit
Volatile Organic Compounds			
Chlorinated Ethenes & Ethanes			
Chloroethane	µg/kg	464	5
Other Volatile Organic Compounds			
1,1-Dichloropropene	µg/kg	363	2
1,2,3-Trichlorobenzene	µg/kg	363	50
1,2,3-Trichloropropane	µg/kg	363	2
1,2,4-Trichlorobenzene	µg/kg	490	5
1,2-Dibromo-3-chloropropane	µg/kg	363	3
1,2-Dibromoethane	µg/kg	363	0.5
1,3-Dichloropropane	µg/kg	363	5
1,3-Dichloropropene	µg/kg	21	5
2,2-Dichloropropane	µg/kg	363	5
2-Chloroethyl vinyl ether	µg/kg	91	240
2-Hexanone	µg/kg	101	5
4-Chlorotoluene	µg/kg	363	2
Bromobenzene	µg/kg	363	3
Bromodichloromethane	µg/kg	485	2
Bromoform	µg/kg	485	2
Bromomethane	µg/kg	464	2
Carbon disulfide	µg/kg	186	2
Carbon tetrachloride	µg/kg	485	1
Chloromethane	µg/kg	464	2
cis-1,3-Dichloropropene	µg/kg	464	2
Dibromochloromethane	µg/kg	485	2
Dibromomethane	µg/kg	363	4
Dichlorodifluoromethane	µg/kg	363	6
trans-1,3-Dichloropropene	µg/kg	464	3
Trichlorofluoromethane	µg/kg	386	1
Vinyl acetate	µg/kg	186	2
Total Petroleum Hydrocarbons, Benzene, Toluene, Ethylbenzene, Xylene, & Alkylated Benzenes			
Total Petroleum Hydrocarbons (by boiling point range)			
Kerosene	µg/kg	19	25
Paraffin Oils	µg/kg	14	40,000
Lube Oil	µg/kg	14	50,000
Diesel #2	µg/kg	38	25
Heavy Fuel Oil	µg/kg	16	50,000
Fuel Oil #6	µg/kg	19	25

Table G.1
Chemicals Not Detected in Soil
All Dates

Chemical	Units	Number of Results	Minimum Reporting Limit
Alkylated Benzenes			
iso-Propyltoluene	µg/kg	21	50
Semivolatile Organic Compounds			
High Molecular Weight Polycyclic Aromatic Hydrocarbons			
Dibenzo(a,h)anthracene	µg/kg	127	30
Low Molecular Weight Polycyclic Aromatic Hydrocarbons			
1-Methylnaphthalene	µg/kg	58	180
Phthalates			
Diethylphthalate	µg/kg	127	30
Dimethyl phthalate	µg/kg	127	30
Chlorinated Phenols			
2-Chlorophenol	µg/kg	125	30
Other			
2,4-Dimethylphenol	µg/kg	125	30
Hexachlorocyclopentadiene	µg/kg	127	40
Hexachloroethane	µg/kg	127	35
Isophorone	µg/kg	127	30
Nitrobenzene	µg/kg	127	30
N-Nitrosodimethylamine	µg/kg	77	170
N-Nitrosodiphenylamine	µg/kg	127	30
Phenol	µg/kg	125	30
Hexachlorobenzene	µg/kg	127	35
3-Nitroaniline	µg/kg	127	40
Benzidine	µg/kg	115	40
Benzyl alcohol	µg/kg	115	30
Aniline	µg/kg	115	20
4-Nitrophenol	µg/kg	96	200
4-Nitroaniline	µg/kg	127	40
bis(2-chloroethoxy)methane	µg/kg	127	30
4-Chlorophenyl phenyl ether	µg/kg	127	30
4-Chloroaniline	µg/kg	127	30
4-Chloro-3-methylphenol	µg/kg	125	70
2,4-Dinitrotoluene	µg/kg	127	35
4,6-Dinitro-o-cresol	µg/kg	126	30
2,4-Dinitrophenol	µg/kg	125	350
3,3'-Dichlorobenzidine	µg/kg	127	30
2-Nitrophenol	µg/kg	125	70
2-Nitroaniline	µg/kg	127	40
2-Methylphenol	µg/kg	125	30
bis(2-chloroethyl)ether	µg/kg	127	30

Table G.1
Chemicals Not Detected in Soil
All Dates

Chemical	Units	Number of Results	Minimum Reporting Limit
Other (continued)			
bis(2-chloroisopropyl)ether	µg/kg	115	30
bis-chloroisopropyl ether	µg/kg	12	390
2-Chloronaphthalene	µg/kg	127	30
2,6-Dinitrotoluene	µg/kg	127	35
4-Bromophenyl phenyl ether	µg/kg	127	35
Glycols & Alcohols			
Alcohols			
Ethanol	µg/kg	4	1
Methanol	µg/kg	4	1
1-Propanol	µg/kg	4	1
iso-Propanol	µg/kg	4	1

Table G.2
Chemicals Detected in Less Than 5 Percent of Soil Samples
All Dates

Chemical	Units	Number of Results	Number of Detects	Percent Detects	Minimum Detected Value	Maximum Detected Value	Location of Maximum Detect	Date of Maximum Detect	Number of Non-detects	Percent Non-detects	Minimum Reporting Limit	Maximum Reporting Limit
Volatile Organic Compounds												
Chlorinated Ethenes & Ethanes												
1,1,1,2-Tetrachloroethane	µg/kg	363	1	0.3%	130	130	GP-70A	6/23/2009	362	99.7%	3	300
1,1,2,2-Tetrachloroethane	µg/kg	485	1	0.2%	730	730	GP-57	12/29/2008	484	99.8%	2	50,000
1,1,1-Trichloroethane	µg/kg	485	20	4%	30	160,000	B-30	4/7/1992	465	96%	1	24,000
1,1,2-Trichloroethane	µg/kg	485	3	0.6%	70	305	GP-54	12/10/2008	482	99.4%	1	24,000
1,1-Dichloroethane	µg/kg	485	13	3%	1	14,000	PT-2	10/3/1990	472	97%	1	24,000
1,2-Dichloroethane	µg/kg	485	1	0.2%	97	97	B-09	9/29/1990	484	99.8%	2	24,000
1,1-Dichloroethene	µg/kg	476	3	0.6%	90	8,900	SB-10	1/24/1991	473	99.4%	1	47,000
trans-1,2-Dichloroethene	µg/kg	400	14	4%	2	240	GP-87	6/22/2009	386	97%	1	47,000
Other Volatile Organic Compounds												
1,2-Dichlorobenzene	µg/kg	490	22	4%	2	18,000	SB-10	1/24/1991	468	96%	2	3,800
1,3-Dichlorobenzene	µg/kg	490	4	0.8%	1	1,100	SB-10	1/24/1991	486	99.2%	2	3,800
1,4-Dichlorobenzene	µg/kg	490	9	2%	1	5,900	SB-10	1/24/1991	481	98%	2	3,800
1,2-Dichloropropane	µg/kg	485	2	0.4%	10	17	B-09	9/29/1990	483	99.6%	1	24,000
2-Chlorotoluene	µg/kg	363	2	0.6%	20	20	GP-92A GP-95	10/27/2010 10/28/2010	361	99.4%	2	200
Chlorobenzene	µg/kg	485	5	1%	30	230	GP-95	10/28/2010	480	99%	1	50,000
Chloroform	µg/kg	485	2	0.4%	2	30	GP-40	12/12/2008	483	99.6%	1	24,000
Methyl ethyl ketone	µg/kg	186	7	4%	20	21,000	B-08	9/26/1990	179	96%	5	180,000
Methyl iso butyl ketone	µg/kg	186	3	2%	1,300	8,600	B-30	4/7/1992	183	98%	5	50,000
Total Petroleum Hydrocarbons, Benzene, Toluene, Ethylbenzene, Xylene, & Alkylated Benzenes												
Benzene, Toluene, Ethylbenzene, Xylene												
Benzene	µg/kg	501	23	5%	1	12,000	25-S B-30	8/31/1990 4/7/1992	478	95%	1	24,000
Xylene (meta & para)	µg/kg	115	3	3%	94	420	WH-5	8/9/2000	112	97%	50	5,000
Alkylated Benzenes												
tert-Butylbenzene	µg/kg	349	12	3%	2	1,400	GP-58	12/30/2008	337	97%	2	200
Styrene	µg/kg	450	12	3%	7	200,000	SB-10	1/24/1991	438	97%	2	24,000
Semivolatile Organic Compounds												
Low Molecular Weight Polycyclic Aromatic Hydrocarbons												
Acenaphthene	µg/kg	127	2	2%	140	210	B-31	4/2/1992	125	98%	30	3,800
Acenaphthylene	µg/kg	127	1	0.8%	430	430	B-29	4/8/1992	126	99.2%	30	3,800
Anthracene	µg/kg	127	5	4%	50	580	B-22	3/27/1992	122	96%	30	3,800
Fluorene	µg/kg	127	4	3%	70	240	B-50	7/7/1993	123	97%	30	3,800
High Molecular Weight Polycyclic Aromatic Hydrocarbons												
Benzo(a)anthracene	µg/kg	127	6	5%	120	790	B-22	3/27/1992	121	95%	30	3,800
Benzo(a)pyrene	µg/kg	127	4	3%	60	1,000	B-22	3/27/1992	123	97%	30	3,800
Benzo(b)fluoranthene	µg/kg	127	3	2%	130	730	B-28	4/7/1992	124	98%	30	3,800
Indeno(1,2,3-cd)pyrene	µg/kg	127	1	0.8%	470	470	B-22	3/27/1992	126	99.2%	30	3,800

Table G.2
Chemicals Detected in Less Than 5 Percent of Soil Samples
All Dates

Chemical	Units	Number of Results	Number of Detects	Percent Detects	Minimum Detected Value	Maximum Detected Value	Location of Maximum Detect	Date of Maximum Detect	Number of Non-detects	Percent Non-detects	Minimum Reporting Limit	Maximum Reporting Limit
High Molecular Weight Polycyclic Aromatic Hydrocarbons (continued)												
Benzo(g,h,i)perylene	µg/kg	127	1	0.8%	580	580	B-22	3/27/1992	126	99.2%	30	3,800
Benzo(k)fluoranthene	µg/kg	127	1	0.8%	470	470	B-22	3/27/1992	126	99.2%	30	3,800
Phthalates												
Butyl benzyl phthalate	µg/kg	127	5	4%	50	6,900	B-37	8/27/1992	122	96%	30	3,800
Di-n-octyl phthalate	µg/kg	127	1	0.8%	30	30	SB-11	1/24/1991	126	99.2%	30	3,800
Chlorinated Phenols												
2,4,5-Trichlorophenol	µg/kg	181	6	3%	13	89	B-35	8/26/1992	175	97%	10	19,000
2,4,6-Trichlorophenol	µg/kg	182	3	2%	9.9	82	B-33	8/24/1992	179	98%	6	3,800
Other												
4-Methylphenol	µg/kg	96	2	2%	110	450	B-30	4/2/1992	94	98%	35	3,800
Benzoic acid	µg/kg	113	1	0.9%	3,200	3,200	B-30	4/2/1992	112	99.1%	610	19,000
Carbazole	µg/kg	38	1	3%	80	80	B-49	7/6/1993	37	97%	35	780
Dibenzofuran	µg/kg	127	4	3%	50	190	B-50	7/7/1993	123	97%	30	3,800
Hexachlorobutadiene	µg/kg	490	1	0.2%	950	950	GP-57	12/29/2008	489	99.8%	10	3,800
N-Nitroso-di-n-propylamine	µg/kg	127	1	0.8%	600	600	WH-9	8/10/2000	126	99.2%	30	3,800

Table G.3
Chemicals Not Detected in Groundwater

Chemical	Units	Number of Results	Number of Non-detects	Percent Non-detects	Minimum Reporting Limit	Maximum Reporting Limit
Volatile Organic Compounds						
Other Volatile Organic Compounds						
1,2,3-Trichlorobenzene	µg/L	550	550	100%	1	4,000
1,2-Dibromoethane	µg/L	166	166	100%	1	1,000
1,3-Dichloropropane	µg/L	555	555	100%	1	1,000
1,3-Dichloropropene	µg/L	12	12	100%	5	5
2,2-Dichloropropane	µg/L	555	555	100%	1	1,000
2-Chloroethyl vinyl ether	µg/L	123	123	100%	5	20,000
2-Hexanone	µg/L	173	173	100%	3	5,000
Bromobenzene	µg/L	184	184	100%	1	4,000
Bromochloromethane	µg/L	9	9	100%	1	1
Bromoform	µg/L	360	360	100%	1	4,000
Bromomethane	µg/L	348	348	100%	1	5,000
cis-1,3-Dichloropropene	µg/L	737	737	100%	1	1,250
Dibromochloromethane	µg/L	749	749	100%	1	1,250
Dibromomethane	µg/L	184	184	100%	1	10,000
Dichlorobromomethane	µg/L	95	95	100%	1	200
Dichlorodifluoromethane	µg/L	555	555	100%	1	1,000
trans-1,3-Dichloropropene	µg/L	737	737	100%	1	1,250
Vinyl acetate	µg/L	267	267	100%	1	20,000
Total Petroleum Hydrocarbons, Benzene, Toluene, Ethylbenzene, Xylene, & Alkylated Benzenes						
Alkylated Benzenes						
Cymene	µg/L	38	38	100%	1	1,000
tert-Butylbenzene	µg/L	160	160	100%	1	1,000
Semivolatile Organic Compounds						
High Molecular Weight Polycyclic Aromatic Hydrocarbons						
Benzo(k)fluoranthene	µg/L	215	215	100%	0.5	1,000
Dibenzo(a,h)anthracene	µg/L	216	216	100%	0.5	1,000
Low Molecular Weight Polycyclic Aromatic Hydrocarbons						
1-Methylnaphthalene	µg/L	75	75	100%	9	1,000
Chlorinated Phenols						
2,4,6-Trichlorophenol	µg/L	371	371	100%	0.09	40,000
2-Chlorophenol	µg/L	280	280	100%	0.5	1,000
Other Semivolatile Organic Compounds						
2,4-Dinitrophenol	µg/L	216	216	100%	5	5,000
2,4-Dinitrotoluene	µg/L	216	216	100%	0.5	1,000
2,6-Dinitrotoluene	µg/L	216	216	100%	0.5	1,000
2-Nitroaniline	µg/L	216	216	100%	0.5	5,000
2-Nitrophenol	µg/L	216	216	100%	5	1,000
3,3'-Dichlorobenzidine	µg/L	216	216	100%	0.5	2,000
3-Nitroaniline	µg/L	216	216	100%	0.5	5,000
4-Bromophenyl phenyl ether	µg/L	216	216	100%	0.5	1,000
4-Chlorophenyl phenyl ether	µg/L	216	216	100%	0.5	1,000
4-Nitroaniline	µg/L	216	216	100%	0.5	5,000
4-Nitrophenol	µg/L	216	216	100%	5	5,000
Aniline	µg/L	206	206	100%	0.5	1,000
Benzidine	µg/L	206	206	100%	1	10,000
bis(2-chloroethyl)ether	µg/L	216	216	100%	0.5	1,000
bis(2-chloroisopropyl)ether	µg/L	198	198	100%	0.5	1,000
bis-chloroisopropyl ether	µg/L	18	18	100%	9	44
Hexachlorobenzene	µg/L	216	216	100%	0.5	1,000
Hexachlorobutadiene	µg/L	766	766	100%	0.5	10,000

Table G.3
Chemicals Not Detected in Groundwater

Chemical	Units	Number of Results	Number of Non-detects	Percent Non-detects	Minimum Reporting Limit	Maximum Reporting Limit
Semivolatile Organic Compounds (continued)						
Other Semivolatile Organic Compounds (continued)						
Hexachlorocyclopentadiene	µg/L	216	216	100%	1	1,000
Hexachloroethane	µg/L	216	216	100%	0.5	1,000
N-Nitrosodimethylamine	µg/L	93	93	100%	9	1,000
N-Nitrosodiphenylamine	µg/L	216	216	100%	0.5	1,000
Metals						
Metals, Dissolved						
Mercury	mg/L	25	25	100%	0.0002	0.0005
Thallium	mg/L	8	8	100%	0.0005	0.0005
Metals, Unknown Fraction						
Mercury	mg/L	50	50	100%	0.0002	0.0002

Table G.4
Chemicals Detected in Less Than 5 Percent of Groundwater Samples
All Dates

Chemical	Units	Number of Results	Number of Detected	Percent Detected	Minimum Detected Value	Maximum Detected Value	Location of Maximum Detect	Date of Maximum Detect	Number of Non-detects	Percent Non-detects	Minimum Reporting Limit	Maximum Reporting Limit
Volatile Organic Compounds												
Chlorinated Ethenes &												
1,1,1,2-Tetrachloroethane	µg/L	573	3	0.5%	1.59	12	B-39	11/18/1992	570	99.5%	1	1,250
1,1,2,2-Tetrachloroethane	µg/L	749	2	0.3%	2.1	3	B-20	9/10/1992	747	99.7%	1	5,000
1,1,2-Trichloroethane	µg/L	749	18	2%	1	480	B-46	1/28/2009	731	98%	1	1,000
Chloroethane	µg/L	737	32	4%	0.89	180	GP-27	11/26/2008	705	96%	1	1,250
Other Volatile Organic Compounds												
Chlorobenzene	µg/L	731	27	4%	1.1	80	B-20	10/23/1995	704	96%	1	1,000
1,2-Dichloropropane	µg/L	749	27	4%	1.2	82	B-10A	12/3/1996	722	96%	1	1,250
Carbon tetrachloride	µg/L	749	24	3%	1.2	3.3	GP-25	11/26/2008	725	97%	1	5,000
Carbon disulfide	µg/L	276	6	2%	1.37	60	B-49	10/25/1995	270	98%	1	1,000
Bromodichloromethane	µg/L	588	9	2%	1	100	R1-IW7	1/15/2010	579	98%	1	5,000
Trichlorofluoromethane	µg/L	592	9	2%	0.71	72	B-09	10/8/1990	583	98%	1	1,000
2-Chlorotoluene	µg/L	550	1	0.2%	3.1	3.1	MW-13	10/20/2010	549	99.8%	1	20,000
4-Chlorotoluene	µg/L	550	1	0.2%	1.1	1.1	MW-13	10/20/2010	549	99.8%	1	1,000
1,2-Dibromo-3-chloropropane	µg/L	550	1	0.2%	38	38	R1-IW7	4/14/2010	549	99.8%	1	20,000
1,1-Dichloropropene	µg/L	555	1	0.2%	0.54	0.54	B-61	10/21/2010	554	99.8%	1	1,000
1,2,3-Trichloropropane	µg/L	573	1	0.2%	260	260	R1-IW7	4/14/2010	572	99.8%	1	5,000
Chloromethane	µg/L	737	1	0.1%	81	81	B-18	10/7/1999	736	99.9%	1	5,000
1,2,4-Trichlorobenzene	µg/L	766	1	0.1%	790	790	B-10A	5/19/2010	765	99.9%	0.5	1,000
Total Petroleum Hydrocarbons, Benzene, Toluene, Ethylbenzene, Xylene, & Alkylated Benzenes												
Alkylated Benzenes												
iso-Propylbenzene	µg/L	160	6	4%	5.3	100	B-47	6/22/1998	154	96%	1	1,000
iso-Propyltoluene	µg/L	122	3	2%	8.5	7,300	B-49	10/18/1999	119	98%	1	1,000
n-Butylbenzene	µg/L	160	1	0.6%	7	7	B-52	11/6/1998	159	99.4%	1	1,000
n-Propylbenzene	µg/L	160	7	4%	9.8	2,200	B-49	10/18/1999	153	96%	1	1,000
sec-Butylbenzene	µg/L	160	5	3%	4.7	2,300	B-49	10/18/1999	155	97%	1	1,000
Semivolatile Organic Compounds												
High Molecular Weight Polycyclic Aromatic Hydrocarbons												
Benzo(a)anthracene	µg/L	216	5	2%	0.25	7.8	B-12	6/29/1998	211	98%	0.5	1,000
Benzo(a)pyrene	µg/L	216	3	1%	1	3.7	B-12	6/29/1998	213	99%	0.5	1,000
Benzo(b)fluoranthene	µg/L	215	2	0.9%	4.8	5.6	B-12	6/29/1998	213	99.1%	0.5	1,000
Benzo(g,h,i)perylene	µg/L	216	2	0.9%	1	1.7	B-12	6/29/1998	214	99.1%	0.5	1,000
Chrysene	µg/L	216	4	2%	2	9	B-12	6/29/1998	212	98%	0.5	1,000
Fluoranthene	µg/L	216	6	3%	3.4	24	B-12	6/29/1998	210	97%	0.5	1,000
Indeno(1,2,3-cd)pyrene	µg/L	216	1	0.5%	1.3	1.3	B-12	6/29/1998	215	99.5%	0.5	1,000
Pyrene	µg/L	216	8	4%	0.55	23	B-12	6/29/1998	208	96%	0.5	1,000

Table G.4
Chemicals Detected in Less Than 5 Percent of Groundwater Samples
All Dates

Chemical	Units	Number of Results	Number of Detected	Percent Detected	Minimum Detected Value	Maximum Detected Value	Location of Maximum Detect	Date of Maximum Detect	Number of Non-detects	Percent Non-detects	Minimum Reporting Limit	Maximum Reporting Limit
Low Molecular Weight Polycyclic Aromatic Hydrocarbons												
Anthracene	µg/L	216	6	3%	2	11	B-12	6/29/1998	210	97%	0.5	1,000
Acenaphthylene	µg/L	216	2	0.9%	1	6	B-12	12/19/1997	214	99.1%	0.5	1,000
Phthalates												
Butyl benzyl phthalate	µg/L	216	7	3%	1	400	B-27	9/3/1992	209	97%	0.5	1,000
Di-n-octyl phthalate	µg/L	216	5	2%	0.4	33	B-31	6/22/1998	211	98%	0.5	1,000
Dimethyl phthalate	µg/L	216	1	0.5%	15	15	B-44	6/29/1993	215	99.5%	0.5	1,000
Other Semivolatile Organic Compounds												
2-Chloronaphthalene	µg/L	216	3	1%	2.1	18	B-61	7/15/1999	213	99%	0.5	1,000
4,6-Dinitro-o-cresol	µg/L	216	2	0.9%	6.5	15	B-52	11/6/1998	214	99.1%	5	5,000
4-Chloro-3-methylphenol	µg/L	208	2	1%	3	3.8	B-38	10/17/1999	206	99%	0.5	1,000
4-Chloroaniline	µg/L	216	1	0.5%	3.3	3.3	B-47	6/22/1998	215	99.5%	0.5	1,000
bis(2-chloroethoxy)methane	µg/L	216	3	1%	1.3	3	B-31	6/29/1998	213	99%	0.5	1,000
Carbazole	µg/L	123	3	2%	2.8	23	B-49	7/9/1993	120	98%	0.5	44
Isophorone	µg/L	216	1	0.5%	2.5	2.5	B-38	10/17/1999	215	99.5%	0.5	1,000
Nitrobenzene	µg/L	216	1	0.5%	1.5	1.5	B-44	6/29/1998	215	99.5%	0.5	1,000
N-Nitroso-di-n-propylamine	µg/L	216	2	0.9%	5.4	9.7	B-44	10/20/1998	214	99.1%	0.5	1,000
Metals												
Metals, Dissolved												
Lead	µg/L	25,000	1	4%	5.3	5.3	B-29	5/6/1992	24	96%	2	3

Table G.5
Frequency of Detection and Maximum Concentration of Chemicals Detected in Mussel Tissue Samples
All Dates

Chemical	Units	Number of Results	Number of Detects	Percent Detects	Minimum Detected Value	Maximum Detected Value	Location of Maximum Detect	Date of Maximum Detect	Number of Non-detects	Percent Non-detects	Minimum Reporting Limit	Maximum Reporting Limit
Volatile Organic Compounds												
Acetone	µg/kg	17	3	17.65%	38	160	M-1	5/15/1995	14	82.35%	10	45
Chloromethane	µg/kg	21	3	14.29%	3.9	120	M-1	5/15/1995	18	85.71%	2	390
Carbon disulfide	µg/kg	17	2	11.76%	50	54	M-3	4/28/1994	15	88.24%	2	6
Methyl ethyl ketone	µg/kg	17	2	11.76%	46	150	M-3	10/27/1995	15	88.24%	3	15
Chloroform	µg/kg	21	2	9.52%	1	2	M-1	10/27/1995	19	90.48%	1	390
Dichloromethane	µg/kg	21	2	9.52%	5	5	M-3	10/27/1995	19	90.48%	2	390
Dichloromethane	µg/kg	21	2	9.52%	5	5	M-1	10/27/1995	19	90.48%	2	390
Dichlorodifluoromethane	µg/kg	19	1	5.26%	3	3	M-3	11/4/1997	18	94.74%	1	390
Benzene and Toluene												
Benzene	µg/kg	21	3	14.29%	19	34	M-2	4/28/1994	18	85.71%	1	390
Toluene	µg/kg	21	3	14.29%	2	5	M-1	5/15/1995	18	85.71%	1	390
Semivolatile Organic Compounds												
High Molecular Weight Polycyclic Aromatic Hydrocarbons												
Chrysene	µg/kg	4	4	100.00%	39	61	M-3	11/5/1998			5	5.3
Fluoranthene	µg/kg	4	4	100.00%	74	200	M-1	10/29/1999			5	5.3
Benzo(a)anthracene	µg/kg	4	3	75.00%	33	54	M-1	10/29/1999	1	25.00%	5	50
Benzo(b)fluoranthene	µg/kg	4	1	25.00%	32	32	M-1	10/29/1999	3	75.00%	5	50
Benzo(k)fluoranthene	µg/kg	4	1	25.00%	8.4	8.4	M-1	10/29/1999	3	75.00%	5	50
Low Molecular Weight Polycyclic Aromatic Hydrocarbons												
Acenaphthene	µg/kg	4	2	50.00%	10	17	M-1	10/29/1999	2	50.00%	5	50
Anthracene	µg/kg	4	2	50.00%	9	16	M-1	10/29/1999	2	50.00%	5	50
Fluorene	µg/kg	4	2	50.00%	7.5	14	M-1	10/29/1999	2	50.00%	5	50
Phenanthrene	µg/kg	4	2	50.00%	40	63	M-1	10/29/1999	2	50.00%	5	50
2-Methylnaphthalene	µg/kg	4	1	25.00%	6.8	6.8	M-1	10/29/1999	3	75.00%	5	50
Phthalates												
Diethylphthalate	µg/kg	4	2	50.00%	10	17	M-1	10/29/1999	2	50.00%	25	50
Chlorinated Phenols												
Pentachlorophenol	µg/kg	4	1	25.00%	76	76	M-1	10/29/1999	3	75.00%	25	250
Other Semivolatile Organic Compounds												
Isophorone	µg/kg	4	4	100.00%	86	310	M-1	10/29/1999			25	26
Pyrene	µg/kg	4	4	100.00%	59	160	M-1	10/29/1999			5	5.3
3-Methylphenol	µg/kg	2	1	50.00%	130	130	M-1	10/29/1999	1	50.00%	25	26
Dibenzofuran	µg/kg	4	1	25.00%	8.9	8.9	M-1	10/29/1999	3	75.00%	25	50
Phenol	µg/kg	4	1	25.00%	83	83	M-1	10/29/1999	3	75.00%	25	100

Table G.6
Chemicals Not Detected in Mussel Tissue
All Dates

Chemical	Units	Number of Results	Minimum Reporting Limit
Volatile Organic Compounds			
Chlorinated Ethenes & Ethanes			
Tetrachloroethene	µg/kg	21	1
Trichloroethene	µg/kg	21	1
cis-1,2-Dichloroethene	µg/kg	21	1
trans-1,2-Dichloroethene	µg/kg	21	1
1,2-Dichloroethene (total)	µg/kg	6	2
1,2-Dichloroethane	µg/kg	21	1
1,1-Dichloroethane	µg/kg	21	1
1,1-Dichloroethene	µg/kg	21	1
1,1,1,2-Tetrachloroethane	µg/kg	6	2.3
1,1,1-Trichloroethane	µg/kg	21	1
1,1,2,2-Tetrachloroethane	µg/kg	21	1
1,1,2-Trichloroethane	µg/kg	21	1
Vinyl chloride	µg/kg	21	1
Chloroethane	µg/kg	21	2
Other Volatile Organic Compounds			
1,1,2-Trichlorotrifluoroethane	µg/kg	2	4.6
1,1-Dichloropropene	µg/kg	6	2.3
1,2,3-Trichlorobenzene	µg/kg	6	11
1,2,3-Trichloropropane	µg/kg	9	2
1,2,4-Trichlorobenzene	µg/kg	10	11
1,2,4-Trimethylbenzene	µg/kg	6	2.3
1,2-Dibromo-3-chloropropane	µg/kg	6	11
1,2-Dibromoethane	µg/kg	6	2.3
1,2-Dichlorobenzene	µg/kg	10	2.3
1,2-Dichloropropane	µg/kg	21	1
1,3,5-Trimethylbenzene	µg/kg	6	2.3
1,3-Dichlorobenzene	µg/kg	10	2.3
1,3-Dichloropropane	µg/kg	6	2.3
1,4-Dichlorobenzene	µg/kg	10	2.3
2,2-Dichloropropane	µg/kg	6	2.3
2-Chloroethyl vinyl ether	µg/kg	2	11
2-Chlorotoluene	µg/kg	6	2.3
2-Hexanone	µg/kg	17	2
4-Chlorotoluene	µg/kg	6	2.3
Bromobenzene	µg/kg	6	2.3
Bromochloromethane	µg/kg	6	2.3
Bromodichloromethane	µg/kg	21	1
Bromoethane	µg/kg	2	4.6

Table G.6
Chemicals Not Detected in Mussel Tissue
All Dates

Chemical	Units	Number of Results	Minimum Reporting Limit
Other Volatile Organic Compounds (continued)			
Bromoform	µg/kg	21	1
Bromomethane	µg/kg	21	1
Carbon tetrachloride	µg/kg	21	1
Chlorobenzene	µg/kg	21	1
cis-1,3-Dichloropropene	µg/kg	19	1
Dibromochloromethane	µg/kg	21	1
Dibromomethane	µg/kg	6	2.3
Iodomethane	µg/kg	2	2.3
iso-Propylbenzene	µg/kg	6	2.3
iso-Propyltoluene	µg/kg	6	2.3
Methyl iso butyl ketone	µg/kg	17	2
n-Butylbenzene	µg/kg	6	4.6
n-Propylbenzene	µg/kg	6	2.3
sec-Butylbenzene	µg/kg	6	2.3
Styrene	µg/kg	21	1
tert-Butylbenzene	µg/kg	6	2.3
trans-1,3-Dichloropropene	µg/kg	19	1
trans-1,4-Dichloro-2-butene	µg/kg	2	11
Trichlorofluoromethane	µg/kg	21	2
Vinyl acetate	µg/kg	12	1
Benzene, Toluene, Ethylbenzene, and Xylene			
Ethylbenzene	µg/kg	21	1
Xylene (meta & para)	µg/kg	21	1
Xylene (ortho)	µg/kg	21	1
Xylene (total)	µg/kg	10	2
Semivolatile Organic Compounds			
High Molecular Weight Polycyclic Aromatic Hydrocarbons			
Benzo(a)pyrene	µg/kg	4	5
Benzo(g,h,i)perylene	µg/kg	4	5
Dibenzo(a,h)anthracene	µg/kg	4	5
Indeno(1,2,3-cd)pyrene	µg/kg	4	5
Low Molecular Weight Polycyclic Aromatic Hydrocarbons			
Acenaphthylene	µg/kg	4	5
Naphthalene	µg/kg	10	5
Phthalates			
bis(2-ethylhexyl)phthalate	µg/kg	4	25
Butyl benzyl phthalate	µg/kg	4	25
Dimethyl phthalate	µg/kg	4	25
Di-n-butyl phthalate	µg/kg	4	25
Di-n-octyl phthalate	µg/kg	4	25

Table G.6
Chemicals Not Detected in Mussel Tissue
All Dates

Chemical	Units	Number of Results	Minimum Reporting Limit
Chlorinated Phenols			
2,4,5-Trichlorophenol	µg/kg	4	25
2,4,6-Trichlorophenol	µg/kg	4	25
2,4-Dichlorophenol	µg/kg	4	25
2-Chlorophenol	µg/kg	4	25
4-Chloro-3-methylphenol	µg/kg	4	25
Other Semivolatile Organic Compounds			
2,4-Dimethylphenol	µg/kg	4	25
2,4-Dinitrophenol	µg/kg	4	25
2,4-Dinitrotoluene	µg/kg	4	25
2,6-Dinitrotoluene	µg/kg	4	25
2-Chloronaphthalene	µg/kg	4	5
2-Methylphenol	µg/kg	4	25
2-Nitroaniline	µg/kg	4	25
2-Nitrophenol	µg/kg	4	25
3,3'-Dichlorobenzidine	µg/kg	4	25
3-Nitroaniline	µg/kg	4	25
4,6-Dinitro-o-cresol	µg/kg	4	25
4-Bromophenyl phenyl ether	µg/kg	4	25
4-Chloroaniline	µg/kg	4	25
4-Chlorophenyl phenyl ether	µg/kg	4	25
4-Methylphenol	µg/kg	2	50
4-Nitroaniline	µg/kg	4	25
4-Nitrophenol	µg/kg	4	25
Acrolein	µg/kg	12	2
Acrylonitrile	µg/kg	14	1
Benzoic acid	µg/kg	4	25
Benzyl alcohol	µg/kg	4	25
bis(2-chloroethoxy)methane	µg/kg	4	25
bis(2-chloroethyl)ether	µg/kg	4	25
bis(2-chloroisopropyl)ether	µg/kg	2	25
bis-chloroisopropyl ether	µg/kg	2	50
Carbazole	µg/kg	2	50
Hexachlorobenzene	µg/kg	4	25
Hexachlorobutadiene	µg/kg	10	11
Hexachlorocyclopentadiene	µg/kg	4	25
Hexachloroethane	µg/kg	4	25
Nitrobenzene	µg/kg	4	25
N-Nitroso-di-n-propylamine	µg/kg	4	25
N-Nitrosodiphenylamine	µg/kg	4	25

Table G.7
Chemicals Not Detected in Seeps
All Dates

Chemical	Units	Number of Results	Minimum Reporting Limit
Volatile Organic Compounds			
Chlorinated Ethenes & Ethanes			
1,1,1,2-Tetrachloroethane	µg/L	24	1
1,1,2,2-Tetrachloroethane	µg/L	90	1
1,1,2-Trichloroethane	µg/L	90	1
Other Volatile Organic Compounds			
1,1-Dichloropropene	µg/L	24	1
1,2,3-Trichlorobenzene	µg/L	24	1
1,2,3-Trichloropropane	µg/L	38	1
1,2,4-Trichlorobenzene	µg/L	30	0.5
1,2-Dibromo-3-chloropropane	µg/L	24	1
1,2-Dibromoethane	µg/L	20	1
1,3,5-Trimethylbenzene	µg/L	20	1
1,3-Dichlorobenzene	µg/L	30	0.5
1,3-Dichloropropane	µg/L	24	1
1,4-Dichlorobenzene	µg/L	30	0.5
2,2-Dichloropropane	µg/L	24	1
2-Chloroethyl vinyl ether	µg/L	6	5
2-Chlorotoluene	µg/L	24	1
2-Hexanone	µg/L	66	5
4-Chlorotoluene	µg/L	24	1
Bromobenzene	µg/L	20	1
Bromodichloromethane	µg/L	90	1
Bromoform	µg/L	86	1
Bromomethane	µg/L	86	1
Carbon disulfide	µg/L	72	1
Carbon tetrachloride	µg/L	90	1
Chloroform	µg/L	90	1
Chloromethane	µg/L	90	1
cis-1,3-Dichloropropene	µg/L	90	1
Dibromochloromethane	µg/L	90	1
Dibromomethane	µg/L	34	1
Dichlorodifluoromethane	µg/L	38	1
Dichloromethane	µg/L	90	1
Iodomethane	µg/L	14	1
iso-Propylbenzene	µg/L	20	1
iso-Propyltoluene	µg/L	20	1
Methyl ethyl ketone	µg/L	72	5
Methyl iso butyl ketone	µg/L	72	5
n-Butylbenzene	µg/L	20	1

Table G.7
Chemicals Not Detected in Seeps
All Dates

Chemical	Units	Number of Results	Minimum Reporting Limit
Other Volatile Organic Compounds (continued)			
n-Propylbenzene	µg/L	20	1
sec-Butylbenzene	µg/L	20	1
Styrene	µg/L	86	1
tert-Butylbenzene	µg/L	20	1
trans-1,3-Dichloropropene	µg/L	90	1
trans-1,4-Dichloro-2-butene	µg/L	14	5
Trichlorofluoromethane	µg/L	38	1
Vinyl acetate	µg/L	72	5
Total Petroleum Hydrocarbons, Benzene, Toluene, Ethylene, Xylene, & Alkylated Benzenes			
Benzene, Toluene, Ethylene, Xylene			
Ethylbenzene	µg/L	90	1
Xylene (meta & para)	µg/L	34	2
Semivolatile Organic Compounds			
High Molecular Weight Polycyclic Aromatic Hydrocarbons			
Benzo(a)anthracene	µg/L	6	0.5
Benzo(a)pyrene	µg/L	6	0.5
Benzo(b)fluoranthene	µg/L	6	0.5
Benzo(g,h,i)perylene	µg/L	6	0.5
Benzo(k)fluoranthene	µg/L	6	0.5
Chrysene	µg/L	6	0.5
Dibenzo(a,h)anthracene	µg/L	6	0.5
Fluoranthene	µg/L	6	0.5
Indeno(1,2,3-cd)pyrene	µg/L	6	0.5
Low Molecular Weight Polycyclic Aromatic Hydrocarbons			
2-Methylnaphthalene	µg/L	6	0.5
Acenaphthylene	µg/L	6	0.5
Anthracene	µg/L	6	0.5
Fluorene	µg/L	6	0.5
Naphthalene	µg/L	26	0.5
Phenanthrene	µg/L	6	0.5
Phthalates			
bis(2-ethylhexyl)phthalate	µg/L	6	0.5
Butyl benzyl phthalate	µg/L	6	0.5
Diethylphthalate	µg/L	6	0.5
Phthalates (cont.)			
Dimethyl phthalate	µg/L	6	0.5
Di-n-butyl phthalate	µg/L	6	0.5
Di-n-octyl phthalate	µg/L	6	0.5

Table G.7
Chemicals Not Detected in Seeps
All Dates

Chemical	Units	Number of Results	Minimum Reporting Limit
Chlorinated Phenols			
2,4,5-Trichlorophenol	µg/L	6	5
2,4,6-Trichlorophenol	µg/L	6	5
2,4-Dichlorophenol	µg/L	6	5
2-Chlorophenol	µg/L	6	0.5
4-Chloro-3-methylphenol	µg/L	6	0.5
Pentachlorophenol	µg/L	12	0.5
Other Semivolatile Organic Compounds			
2,4-Dimethylphenol	µg/L	6	0.5
2,4-Dinitrophenol	µg/L	6	5
2,4-Dinitrotoluene	µg/L	6	5
2,6-Dinitrotoluene	µg/L	6	5
2-Chloronaphthalene	µg/L	6	0.5
2-Methylphenol	µg/L	6	0.5
2-Nitroaniline	µg/L	6	0.5
2-Nitrophenol	µg/L	6	5
3,3'-Dichlorobenzidine	µg/L	6	0.5
3-Nitroaniline	µg/L	6	0.5
4,6-Dinitro-o-cresol	µg/L	6	5
4-Bromophenyl phenyl ether	µg/L	6	0.5
4-Chloroaniline	µg/L	6	0.5
4-Chlorophenyl phenyl ether	µg/L	6	0.5
4-Methylphenol	µg/L	6	0.5
4-Nitroaniline	µg/L	6	0.5
4-Nitrophenol	µg/L	6	5
Aniline	µg/L	6	0.5
Benzidine	µg/L	6	13
Benzoic acid	µg/L	6	13
Benzyl alcohol	µg/L	6	0.5
bis(2-chloroethoxy)methane	µg/L	6	0.5
bis(2-chloroethyl)ether	µg/L	6	0.5
bis(2-chloroisopropyl)ether	µg/L	6	0.5
Carbazole	µg/L	6	0.5
Dibenzofuran	µg/L	6	0.5
Hexachlorobenzene	µg/L	6	0.5
Hexachlorobutadiene	µg/L	30	0.5
Hexachlorocyclopentadiene	µg/L	6	5
Hexachloroethane	µg/L	6	0.5
Isophorone	µg/L	6	0.5
Nitrobenzene	µg/L	6	0.5

Table G.7
Chemicals Not Detected in Seeps
All Dates

Chemical	Units	Number of Results	Minimum Reporting Limit
Other Semivolatile Organic Compounds (cont.)			
N-Nitroso-di-n-propylamine	µg/L	6	0.5
N-Nitrosodiphenylamine	µg/L	6	0.5
Phenol	µg/L	6	0.5
Pyrene	µg/L	6	0.5

Table G.8
Chemicals Detected in Less Than 5 Percent of Seep Samples
All Dates

Chemical	Units	Number Results	Number Detects	Percent Detects	Minimum Detected Value	Maximum Detected Value	Location of Maximum Detect	Date of Maximum Detect	Number Non-detects	Percent Non-detects	Minimum Reporting Limit	Maximum Reporting Limit
Volatile Organic Compounds												
Chlorinated Ethenes & Ethanes												
1,1,1-Trichloroethane	µg/L	90	1	1%	1	1	S-1	5/15/1995	89	99%	1	20
Chloroethane	µg/L	90	1	1%	1.9	1.9	S-13	6/23/2009	89	99%	1	20
Other Volatile Organic Compounds												
1,2-Dichloropropane	µg/L	90	4	4%	1	16	S-14	12/4/1998	86	96%	1	20
Chlorobenzene	µg/L	90	4	4%	4.1	8.9	S-2	4/28/1998	86	96%	1	20
Acetone	µg/L	72	3	4%	1	6.4	S-6	5/28/1998	69	96%	5	100
Total Petroleum Hydrocarbons, Benzene, Toluene, Ethylbenzene, Xylene, & Alkylated Benzenes												
Benzene, Toluene, Ethylbenzene, Xylene												
Toluene	µg/L	90	4	4%	1.4	3.4	S-2	4/28/1998	86	96%	1	20

Table G.9
Chemicals Detected in Seeps: Frequency of Detection Greater Than or Equal to 5 Percent
All Dates

Chemical	Units	Number of Results	Number Detects	Percent Detects	Minimum Detected Value	Maximum Detected Value	Location of Maximum Detect	Date of Maximum Detect	Number of Non-detects	Percent of Non-detects	Minimum Reporting Limit	Maximum Reporting Limit
Volatile Organic Compounds												
Chlorinated Ethenes & Ethanes												
Tetrachloroethene	µg/L	90	44	49%	1	810	S-8	4/28/1994	46	51%	1	20
Trichloroethene	µg/L	90	43	48%	1	480	S-2	5/15/1995	47	52%	1	20
1,2-Dichloroethene (total)	µg/L	52	31	60%	1	470	S-2	11/4/1997	21	40%	1	1
cis-1,2-Dichloroethene	µg/L	24	15	63%	5.2	5,400	S-13	12/4/1998	9	38%	1	1
trans-1,2-Dichloroethene	µg/L	38	13	34%	3.4	110	S-14	12/4/1998	25	66%	1	1
1,1-Dichloroethene	µg/L	90	9	10%	1	27	S-13	12/4/1998	81	90%	1	20
Vinyl chloride	µg/L	90	21	23%	1	3,500	S-13	10/29/1999	69	77%	0.2	10
1,1-Dichloroethane	µg/L	90	29	32%	1	88	S-2	4/28/1998	61	68%	1	10
1,2-Dichloroethane	µg/L	90	9	10%	1	27	S-14	12/4/1998	81	90%	1	20
Other Volatile Organic Compounds												
1,2-Dichlorobenzene	µg/L	30	2	7%	1	1	S-13	11/6/1998	28	93%	0.5	20
Total Petroleum Hydrocarbons, Benzene, Toluene, Ethylbenzene, Xylene, & Alkylated Benzenes												
Benzene, Toluene, Ethylbenzene, Xylene												
Benzene	µg/L	90	8	9%	3.1	40	S-2	4/28/1998	82	91%	1	10
Xylene (total)	µg/L	90	5	6%	1	3	S-2	4/28/1998	85	94%	1	40
Xylene (ortho)	µg/L	34	3	9%	1.4	3	S-2	4/28/1998	31	91%	1	20
Alkylated Benzenes												
1,2,4-Trimethylbenzene	µg/L	20	1	5%	4.1	4	S-1	12/4/1998	19	95%	1	20
Semivolatile Organic Compounds												
Low Molecular Weight Polycyclic Aromatic Hydrocarbon												
Acenaphthene	µg/L	6	1	17%	1.3	1	S-13	11/22/1999	5	83%	0.5	0.5

Table G.10
Chemicals Not Detected in Surface Water
All Dates

Chemical	Units	Number of Results	Minimum Reporting Limit
Volatile Organic Compounds			
Chlorinated Ethenes & Ethanes			
1,1,1,2-Tetrachloroethane	µg/L	6	1
1,1,2,2-Tetrachloroethane	µg/L	16	1
1,1,1-Trichloroethane	µg/L	16	1
1,1,2-Trichloroethane	µg/L	16	1
1,1-Dichloroethane	µg/L	16	1
1,2-Dichloroethene (total)	µg/L	8	1
1,1-Dichloroethene	µg/L	16	1
Other Volatile Organic Compounds			
1,1-Dichloropropene	µg/L	6	1
1,2,3-Trichlorobenzene	µg/L	6	1
1,2,3-Trichloropropane	µg/L	8	1
1,2,4-Trichlorobenzene	µg/L	9	0.5
1,2,4-Trimethylbenzene	µg/L	6	1
1,2-Dibromo-3-chloropropane	µg/L	6	5
1,2-Dibromoethane	µg/L	6	1
1,2-Dichlorobenzene	µg/L	9	0.5
1,2-Dichloropropane	µg/L	16	1
1,3,5-Trimethylbenzene	µg/L	6	1
1,3-Dichlorobenzene	µg/L	9	0.5
1,3-Dichloropropane	µg/L	6	1
1,4-Dichlorobenzene	µg/L	9	0.5
2,2-Dichloropropane	µg/L	6	1
2-Chloroethyl vinyl ether	µg/L	3	5
2-Chlorotoluene	µg/L	6	1
2-Hexanone	µg/L	10	5
4-Chlorotoluene	µg/L	6	1
Acetone	µg/L	13	5
Bromobenzene	µg/L	6	1
Bromodichloromethane	µg/L	16	1
Bromoform	µg/L	16	1
Bromomethane	µg/L	16	1
Carbon disulfide	µg/L	13	1
Carbon tetrachloride	µg/L	16	1
Chlorobenzene	µg/L	16	1
Chloroethane	µg/L	16	1
Chloroform	µg/L	16	1
Chloromethane	µg/L	16	1
cis-1,3-Dichloropropene	µg/L	16	1
Other Volatile Organic Compounds (continued)			

Table G.10
Chemicals Not Detected in Surface Water
All Dates

Chemical	Units	Number of Results	Minimum Reporting Limit
Dibromochloromethane	µg/L	16	1
Dibromomethane	µg/L	8	1
Dichlorodifluoromethane	µg/L	8	1
Dichloromethane	µg/L	16	1
Iodomethane	µg/L	2	1
iso-Propylbenzene	µg/L	6	1
iso-Propyltoluene	µg/L	6	1
Methyl ethyl ketone	µg/L	13	5
Methyl iso butyl ketone	µg/L	13	5
n-Butylbenzene	µg/L	6	1
n-Propylbenzene	µg/L	6	1
sec-Butylbenzene	µg/L	6	1
Styrene	µg/L	16	1
tert-Butylbenzene	µg/L	6	1
trans-1,3-Dichloropropene	µg/L	16	1
trans-1,4-Dichloro-2-butene	µg/L	2	5
Trichlorofluoromethane	µg/L	8	1
Vinyl acetate	µg/L	13	5
Vinyl chloride	µg/L	16	1
Total Petroleum Hydrocarbons, Benzene, Toluene, Ethylbenzene, Xylene, & Alkylated Benzenes			
Benzene, Toluene, Ethylbenzene, Xylene			
Benzene	µg/L	16	1
Ethylbenzene	µg/L	16	1
Toluene	µg/L	16	1
Xylene (total)	µg/L	16	1
Xylene (meta & para)	µg/L	8	2
Xylene (ortho)	µg/L	8	1
Semivolatile Organic Compounds			
High Molecular Weight Polycyclic Aromatic Hydrocarbons			
Benzo(a)anthracene	µg/L	3	0.5
Benzo(a)pyrene	µg/L	3	0.5
Benzo(b)fluoranthene	µg/L	3	0.5
Benzo(g,h,i)perylene	µg/L	3	0.5
Benzo(k)fluoranthene	µg/L	3	0.5
Chrysene	µg/L	3	0.5
Dibenzo(a,h)anthracene	µg/L	3	0.5
Fluoranthene	µg/L	3	0.5
Indeno(1,2,3-cd)pyrene	µg/L	3	0.5
Low Molecular Weight Polycyclic Aromatic Hydrocarbons			
2-Methylnaphthalene	µg/L	3	0.5

Table G.10
Chemicals Not Detected in Surface Water
All Dates

Chemical	Units	Number of Results	Minimum Reporting Limit
Acenaphthene	µg/L	3	0.5
Acenaphthylene	µg/L	3	0.5
Anthracene	µg/L	3	0.5
Fluorene	µg/L	3	0.5
Naphthalene	µg/L	9	0.5
Phenanthrene	µg/L	3	0.5
Phthalates			
bis(2-ethylhexyl)phthalate	µg/L	3	0.5
Butyl benzyl phthalate	µg/L	3	0.5
Diethylphthalate	µg/L	3	0.5
Dimethyl phthalate	µg/L	3	0.5
Di-n-butyl phthalate	µg/L	3	0.5
Di-n-octyl phthalate	µg/L	3	0.5
Clorinated Phenols			
2,4,5-Trichlorophenol	µg/L	3	0.5
2,4,6-Trichlorophenol	µg/L	3	0.5
2,4-Dichlorophenol	µg/L	3	0.5
2-Chlorophenol	µg/L	3	0.5
Pentachlorophenol	µg/L	6	0.5
4-Chloro-3-methylphenol	µg/L	3	0.5
Other Semivolatile Organic Compounds			
2,4-Dimethylphenol	µg/L	3	0.5
2,4-Dinitrophenol	µg/L	3	0.5
2,4-Dinitrotoluene	µg/L	3	0.5
2,6-Dinitrotoluene	µg/L	3	0.5
2-Chloronaphthalene	µg/L	3	0.5
2-Methylphenol	µg/L	3	0.5
2-Nitroaniline	µg/L	3	0.5
2-Nitrophenol	µg/L	3	0.5
3,3'-Dichlorobenzidine	µg/L	3	0.5
3-Nitroaniline	µg/L	3	0.5
4,6-Dinitro-o-cresol	µg/L	3	0.5
4-Bromophenyl phenyl ether	µg/L	3	0.5
4-Chloroaniline	µg/L	3	0.5
4-Chlorophenyl phenyl ether	µg/L	3	0.5
4-Methylphenol	µg/L	3	0.5
4-Nitroaniline	µg/L	3	0.5
4-Nitrophenol	µg/L	3	0.5
Other Semivolatile Organic Compounds (continued)			
Aniline	µg/L	3	0.5
Benzidine	µg/L	3	0.5

Table G.10
Chemicals Not Detected in Surface Water
All Dates

Chemical	Units	Number of Results	Minimum Reporting Limit
Benzoic acid	µg/L	3	0.5
Benzyl alcohol	µg/L	3	0.5
bis(2-chloroethoxy)methane	µg/L	3	0.5
bis(2-chloroethyl)ether	µg/L	3	0.5
bis(2-chloroisopropyl)ether	µg/L	3	0.5
Carbazole	µg/L	3	0.5
Dibenzofuran	µg/L	3	0.5
Hexachlorobenzene	µg/L	3	0.5
Hexachlorobutadiene	µg/L	9	0.5
Hexachlorocyclopentadiene	µg/L	3	0.5
Hexachloroethane	µg/L	3	0.5
Nitrobenzene	µg/L	3	0.5
N-Nitroso-di-n-propylamine	µg/L	3	0.5
N-Nitrosodiphenylamine	µg/L	3	0.5
Isophorone	µg/L	3	0.5
Phenol	µg/L	3	0.5
Pyrene	µg/L	3	0.5

Table G.11
Detection Frequency Summary for Surface Water
All Dates

Chemical	Units	Number of Results	Number Detects	Percent Detects	Minimum Detected Value	Maximum Detected Value	Location of Maximum Detect	Date of Maximum Detect	Number of Non-detects	Percent Non-detects	Minimum Reporting Limit	Maximum Reporting Limit
Volatile Organic Compounds												
Chlorinated Ethenes & Ethanes												
Tetrachloroethene	µg/L	16	1	6%	25	25	S-15	12/4/1998	15	94%	1	1
Trichloroethene	µg/L	16	1	6%	11	11	S-15	12/4/1998	15	94%	1	1
cis-1,2-Dichloroethene	µg/L	6	2	33%	1.3	66	S-15	12/4/1998	4	67%	1	1
trans-1,2-Dichloroethene	µg/L	8	1	13%	6.6	6.6	S-15	12/4/1998	7	88%	1	1
1,2-Dichloroethane	µg/L	16	2	13%	1.3	2	S-9	7/22/1994	14	88%	1	1

Table G.12
Chemicals Not Detected in Ambient Air Samples 2000

Chemical	Units	Number of Results	Minimum Reporting Limit
Volatile Organic Compounds			
Chlorinated Ethenes & Ethanes			
Vinyl Chloride	µg/m^3	11	1
1,1,2,2-Tetrachloroethane	µg/m^3	11	1
1,1,2-Trichloroethane	µg/m^3	11	1
1,1-Dichloroethane	µg/m^3	11	1
1,1-Dichloroethene	µg/m^3	11	1
1,2-Dichloroethane	µg/m^3	11	1
Chloroethane	µg/m^3	11	1
trans-1,2-Dichloroethene	µg/m^3	11	1
Other Volatile Organic Compounds			
1,2-Dibromoethane	µg/m^3	11	1
1,2-Dichlorobenzene	µg/m^3	11	1
1,2-Dichloropropane	µg/m^3	11	1
1,3-Dichlorobenzene	µg/m^3	11	1
2-Hexanone	µg/m^3	11	1
Bromodichloromethane	µg/m^3	11	1
Bromoform	µg/m^3	11	1
Bromomethane	µg/m^3	11	1
Chlorobenzene	µg/m^3	11	1
Chloromethane	µg/m^3	11	1
cis-1,3-Dichloropropene	µg/m^3	11	1
Dibromochloromethane	µg/m^3	11	1
Dibromochloromethane	µg/m^3	11	1
Methyl tert-Butyl Ether	µg/m^3	11	1
trans-1,3-Dichloropropene	µg/m^3	11	1
Vinyl Acetate	µg/m^3	11	1

Table G.13
Redox/Natural Attenuation Chemicals

Chemical	Units	Number of Results	Number of Detects	Percent Detects	Minimum Detected Value	Maximum Detected Value	Location of Maximum Detect	Date of Maximum Detect	Number of Non-detects	Percent Non-detects	Minimum Reporting Limit	Maximum Reporting Limit
Dissolved Gases												
Ethane	µg/L	94	26	28%	0.71	14,000	B-33A	4/15/2010	68	72%	0.5	50
Ethene	µg/L	94	50	53%	0.75	3,800	B-65	10/29/2009	44	47%	0.5	50
Methane	µg/L	94	90	96%	0.47	19,000	B-65	1/26/2009	4	4%	0.5	50
Volatile Fatty Acids												
Pyruvic Acid	mg/L	12	5	42%	28	530	R1-IW2	4/29/2009	7	58%	1	10
Acetic Acid	mg/L	12	5	42%	190	920	R1-IW2	4/29/2009	7	58%	1	10
Propionic Acid	mg/L	12	6	50%	13	2,100	R2-IW3	4/29/2009	6	50%	1	10
Conventionals												
Conductivity	µS/cm	3	0	0%	Not Detected at 630 µS/cm				3	100%	630	-
Total Dissolved Solids	mg/L	3	3	100%	618	1,042	B-47	1/29/2010				
Total Organic Carbon	mg/L	98	97	99%	0.024	10,200	R2-IW3	1/14/2010	1	1%	0.0005	250
Total Suspended Solids	mg/L	6	3	50%	0.011	77	HC-2	12/12/1997	3	50%	0.005	5
Alkalinity (as $CaCO_3$)	mg/L	3	3	100%	140	220	R2-IW4	1/26/2009				
Ammonia (total as nitrogen)	mg-N/L	39	31	79%	0.04	25	B-47	10/18/1999	8	21%	0.04	2
Bromide	mg/L	20	11	55%	0.24	6.2	R1-IW5	2/20/2009	9	45%	0.1	0.1
Chloride	mg/L	56	56	100%	2.2	11,000	B-34	10/13/1999				
Nitrate	mg/L	74	44	59%	0.008	16	B-16	10/12/1999	30	41%	0.03	5
Nitrite	mg/L	74	13	18%	0.01	11	B-34	10/13/1999	61	82%	0.03	15
Orthophosphate	mg/L	9	3	33%	0.46	0.49	R2-IW4	1/26/2009	6	67%	0.1	0.1
Phosphate	mg/L	14	9	64%	0.1	3.6	R2-IW1	1/15/2010	5	36%	0.1	0.1
Phosphorus	mg/L	39	39	100%	0.08	2.6	B-58	10/14/1999				
Sulfate	mg/L	70	70	100%	0.15	1,600	B-34	10/13/1999				
Total Phosphate	mg/L	2	2	100%	1.4	3.2	R1-IW2	4/17/2009				

Fox Avenue Site
Seattle, Washington

Remedial Investigation/ Feasibility Study

Appendix H
Site-specific Total Petroleum Hydrocarbons Cleanup Level Documentation

FINAL

Table of Contents

List of Tables

List of Attachments

Soil Cleanup Level Calculations
Total Petroleum Hydrocarbons

Soil cleanup levels for total petroleum hydrocarbons (TPH) were calculated using the MCTCAPH11.1 workbook, downloadable from the Washington State Department of Ecology's website at http://www.ecy.wa.gov/programs/tcp/tools/toolmain.html#Statistical_Tools. Input data for the spreadsheet calculations consisted of analytical results for two samples: GP-78-45.0-45.5 and GP-78-55.5-56.0. These samples are representative of the mineral spirits contamination at the Fox Avenue Site. Samples GP-78-45.0-45.5 and GP-78-55.5-56.0 were analyzed for hydrocarbon parameters using both the NWVPH and NWEPH methods. The analytical results for these two samples are included as Attachment G.1 and the chromatograms for the TPH analyses are included as Attachment G.2. The analytical results for the benzene, toluene, ethylbenzene, xylene parameters and naphthalene used to calculate TPH cleanup levels are also include in Attachment G.1.

To calculate the TPH soil cleanup level, the observed value for each parameter for the two samples was input into the data entry spreadsheet of the MCTCAPH11.1 workbook. Please refer to the data entry spreadsheet for additional remarks on data inputs and assumptions (Attachment G.3). The most conservative Model Toxics Control Act Method C soil TPH concentration protective of the direct contact pathway was calculated when the hazard index was set to equal 1. The protective TPH soil concentration was 42,500 mg/kg using the GP-78-45.0-45.5 sample data and was 41,600 mg/kg using the GP-78-55.5-56.0 sample data. The calculation worksheets for both samples are included as Attachment G.3. The soil TPH cleanup level for the Fox Avenue Site is 41,600 mg/kg, the more stringent of the two calculated values.

Fox Avenue Site
Seattle, Washington

Remedial Investigation/ Feasibility Study

Appendix H
Site-specific Total Petroleum Hydrocarbons Cleanup Level Documentation

Tables

FINAL

Table H.1
Total Petroleum Hydrocarbon Product Interpretation for Soil Samples
(mg/kg)

Location	Field Sample ID	Sample Date	Media	Modifier	Upper Sample Depth (ft)	Lower Sample Depth (ft)	Analytical Method	Parameter	Interpreted Parameter	Value	Comments by Dr. Teri Floyd
Diesel #2 Results											
B-24	B-24/S6	3/30/1992	Soil	Subsurface	7.5	9	USEPA 8015M	Diesel #2	Diesel	2758 JN	Upgradient from Site on E. Marginal Way S.
B-32	B-32/S-1	8/28/1992	Soil	Subsurface	0	3	USEPA 8015M	Diesel #2	Diesel	772 JN	JN Flag, contents of tanks, and JN flag on associated "gasoline" concentrations are all consistent with this product being mineral spirits; quantitation was based on Diesel #2 standard, so concentration is an estimate.
B-30	B-30/S6A	4/7/1992	Soil	Subsurface	10	11.5	USEPA 8015M	Diesel #2	Diesel	643	
B-05	B-5/SURFACE TOTAL	4/9/1992	Soil	Surface	0	0	USEPA 8015M	Diesel #2	Diesel	408 JN	
B-29	B-29/SURFACE TOTAL	4/8/1992	Soil	Surface	0	0	USEPA 8015M	Diesel #2	Diesel	395 JN	
B-30	B-30/S6	4/7/1992	Soil	Subsurface	10	11.5	USEPA 8015M	Diesel #2	Diesel	373	
B-28	B-28/SURFACE TOTAL	4/7/1992	Soil	Surface	0	0	USEPA 8015M	Diesel #2	Diesel	264 J	
B-30	B-30/S9	4/7/1992	Soil	Subsurface	14.5	16	USEPA 8015M	Diesel #2	Diesel	210 JN	
B-24	B-24/S8	3/30/1992	Soil	Subsurface	10.5	12	USEPA 8015M	Diesel #2	Diesel	167 JN	
B-37	B-37/S-1	8/27/1992	Soil	Subsurface	1.5	3.5	USEPA 8015M	Diesel #2	Diesel	143	
B-31	B-31/SURFACE TOTAL	4/2/1992	Soil	Surface	0	0	USEPA 8015M	Diesel #2	Diesel	142 JN	
B-30	B-30/SURFACE TOTAL	4/2/1992	Soil	Surface	0	0	USEPA 8015M	Diesel #2	Diesel	287 U	
B-30	B-30/S2	4/2/1992	Soil	Subsurface	4	5.5	USEPA 8015M	Diesel #2	Diesel	36 U	
B-27	B-27/S25	4/6/1992	Soil	Subsurface	47.5	49	USEPA 8015M	Diesel #2	Diesel	35 U	
B-21	B-21/S19	4/8/1992	Soil	Subsurface	48	49.5	USEPA 8015M	Diesel #2	Diesel	34 U	
B-20	B-20/S10	3/28/1992	Soil	Subsurface	12	13.5	USEPA 8015M	Diesel #2	Diesel	33 U	
B-21	B-21/S2	4/8/1992	Soil	Subsurface	22.5	24	USEPA 8015M	Diesel #2	Diesel	33 U	
B-27	B-27/S23	4/6/1992	Soil	Subsurface	44.5	46	USEPA 8015M	Diesel #2	Diesel	33 U	
B-33	B-33/S-22	8/24/1992	Soil	Subsurface	29.5	31	USEPA 8015M	Diesel #2	Diesel	33 U	
B-33	B-33/S-28	8/24/1992	Soil	Subsurface	38.5	40	USEPA 8015M	Diesel #2	Diesel	33 U	
NW-10	NW10-16.5	7/14/2000	Soil	Subsurface	16.5	16.5	NWTPH-Dx	Diesel #2	Diesel	33 U	
B-18	B-18/S11	3/29/1992	Soil	Subsurface	15	16.5	USEPA 8015M	Diesel #2	Diesel	32 U	
B-19	B-19/S8	4/7/1992	Soil	Subsurface	26.5	28	USEPA 8015M	Diesel #2	Diesel	32 U	
B-21	B-21/S15	4/8/1992	Soil	Subsurface	42	43.5	USEPA 8015M	Diesel #2	Diesel	32 U	
B-21	B-21/S19A	4/8/1992	Soil	Subsurface	47	48.5	USEPA 8015M	Diesel #2	Diesel	32 U	
B-22	B-22/S8	3/27/1992	Soil	Subsurface	10.5	12	USEPA 8015M	Diesel #2	Diesel	32 U	
B-31	B-31/S2	4/7/1992	Soil	Subsurface	1.5	3	USEPA 8015M	Diesel #2	Diesel	32 U	
B-32	B-32/S-4	8/28/1992	Soil	Subsurface	7	9	USEPA 8015M	Diesel #2	Diesel	32 U	
B-34	B-34/S-3	8/25/1992	Soil	Subsurface	12.5	14.5	USEPA 8015M	Diesel #2	Diesel	32 U	
B-35	B-35/S-13	8/26/1992	Soil	Subsurface	28	30	USEPA 8015M	Diesel #2	Diesel	32 U	
B-35	B-35/S-4	8/26/1992	Soil	Subsurface	8	10	USEPA 8015M	Diesel #2	Diesel	32 U	
NW-8	NW8-14.5	7/14/2000	Soil	Subsurface	14.5	14.5	NWTPH-Dx	Diesel #2	Diesel	32 U	
B-23	B-23/S11	4/3/1992	Soil	Subsurface	26.5	28	USEPA 8015M	Diesel #2	Diesel	31 U	
B-26	B-26/S11	3/29/1992	Soil	Subsurface	12	13.5	USEPA 8015M	Diesel #3	Diesel	31 U	
B-29	B-29/S9	4/8/1992	Soil	Subsurface	13.5	15	USEPA 8015M	Diesel #4	Diesel	31 U	
B-38	B-38/S-1	8/27/1992	Soil	Subsurface	9	11	USEPA 8015M	Diesel #5	Diesel	31 U	
NW-10	NW10-15.0	7/14/2000	Soil	Subsurface	15	15	NWTPH-Dx	Diesel #2	Diesel	31 U	
NW-7	NW7-10.5	7/14/2000	Soil	Subsurface	10.5	10.5	NWTPH-Dx	Diesel #2	Diesel	31 U	
B-18	B-18/S3	3/29/1992	Soil	Subsurface	3	4.5	USEPA 8015M	Diesel #2	Diesel	30 U	
B-19	B-19/S20	4/7/1992	Soil	Subsurface	44.5	46	USEPA 8015M	Diesel #2	Diesel	30 U	
B-23	B-23/S25	4/3/1992	Soil	Subsurface	47.5	49	USEPA 8015M	Diesel #2	Diesel	30 U	
B-23	B-23/S26	4/3/1992	Soil	Subsurface	47.5	49	USEPA 8015M	Diesel #2	Diesel	30 U	
B-25	B-25/S9	3/31/1992	Soil	Subsurface	28	29.5	USEPA 8015M	Diesel #2	Diesel	30 U	
B-26	B-26/S3	3/29/1992	Soil	Subsurface	3	4.5	USEPA 8015M	Diesel #2	Diesel	30 U	

Table H.1
Total Petroleum Hydrocarbon Product Interpretation for Soil Samples
(mg/kg)

Location	Field Sample ID	Sample Date	Media	Modifier	Upper Sample Depth (ft)	Lower Sample Depth (ft)	Analytical Method	Parameter	Interpreted Parameter	Value	Comments by Dr. Teri Floyd
Diesel #2 Results (continued)											
B-28	B-28/S10	3/30/1992	Soil	Subsurface	13.5	15	USEPA 8015M	Diesel #2	Diesel	30 U	
B-31	B-31/S8	4/7/1992	Soil	Subsurface	10.5	12	USEPA 8015M	Diesel #2	Diesel	30 U	
B-37	B-37/S-11	8/27/1992	Soil	Subsurface	21.5	23.5	USEPA 8015M	Diesel #2	Diesel	30 U	
NW-11	NW11-10.5	7/14/2000	Soil	Subsurface	10.5	10.5	NWTPH-Dx	Diesel #2	Diesel	30 U	
B-20	B-20/S3	3/28/1992	Soil	Subsurface	3	4.5	USEPA 8015M	Diesel #2	Diesel	29 U	
B-22	B-22/S2	3/27/1992	Soil	Subsurface	1.5	3	USEPA 8015M	Diesel #2	Diesel	29 U	
B-36	B-36/S-1	8/26/1992	Soil	Subsurface	9	11	USEPA 8015M	Diesel #2	Diesel	29 U	
B-20	B-20/S7	3/28/1992	Soil	Subsurface	7.5	9	USEPA 8015M	Diesel #2	Diesel	28 U	
B-29	B-29/S6	4/8/1992	Soil	Subsurface	9	10.5	USEPA 8015M	Diesel #2	Diesel	28 U	
B-36	B-36/S-1DUP	8/26/1992	Soil	Subsurface	9	11	USEPA 8015M	Diesel #2	Diesel	28 U	
NW-12	NW12-10.0	7/14/2000	Soil	Subsurface	10	10	NWTPH-Dx	Diesel #2	Diesel	28 U	
B-22	B-22/S5	3/27/1992	Soil	Subsurface	6	7.5	USEPA 8015M	Diesel #2	Diesel	27 U	
B-24	B-24/S3	3/30/1992	Soil	Subsurface	3	4.5	USEPA 8015M	Diesel #2	Diesel	27 U	
B-26	B-26/S5	3/29/1992	Soil	Subsurface	6	7.5	USEPA 8015M	Diesel #2	Diesel	27 U	
B-26	B-26/S6	3/29/1992	Soil	Subsurface	6	7.5	USEPA 8015M	Diesel #2	Diesel	27 U	
B-28	B-28/S3	3/30/1992	Soil	Subsurface	3	4.5	USEPA 8015M	Diesel #2	Diesel	27 U	
B-28	B-28/S6	3/30/1992	Soil	Subsurface	7.5	9	USEPA 8015M	Diesel #2	Diesel	27 U	
B-31	B-31/S6	4/7/1992	Soil	Subsurface	7.5	9	USEPA 8015M	Diesel #2	Diesel	27 U	
NW-9	NW9-10.5	7/14/2000	Soil	Subsurface	10.5	10.5	NWTPH-Dx	Diesel #2	Diesel	27 U	
B-18	B-18/S6	3/29/1992	Soil	Subsurface	7.5	9	USEPA 8015M	Diesel #2	Diesel	26 U	
NW-10	NW10-6.5	7/14/2000	Soil	Subsurface	6.5	6.5	NWTPH-Dx	Diesel #2	Diesel	26 U	
NW-10	NW10-6.5 DUP	7/14/2000	Soil	Subsurface	6.5	6.5	NWTPH-Dx	Diesel #2	Diesel	26 U	
B-07	B-7/S7B	10/8/1990	Soil	Subsurface	16.5	17.5	USEPA 8015M	Diesel #2	Diesel	25 U	
B-11	B-11/S2	10/8/1990	Soil	Subsurface	5	6.5	USEPA 8015M	Diesel #2	Diesel	25 U	
B-11	B11/S4	10/12/1990	Soil	Subsurface	10	11.5	USEPA 8015M	Diesel #2	Diesel	25 U	
B-12	B12/S1	10/12/1990	Soil	Subsurface	2.5	4	USEPA 8015M	Diesel #2	Diesel	25 U	
NW-1	NW1-14.5	7/13/2000	Soil	Subsurface	14.5	14.5	NWTPH-Dx	Diesel #2	Diesel	25 U	
NW-2	NW2-10.5	7/13/2000	Soil	Subsurface	10.5	10.5	NWTPH-Dx	Diesel #2	Diesel	25 U	
NW-2	NW2-17.5	7/13/2000	Soil	Subsurface	17.5	17.4	NWTPH-Dx	Diesel #2	Diesel	25 U	
NW-3	NW3-10.5	7/13/2000	Soil	Subsurface	10.5	10.5	NWTPH-Dx	Diesel #2	Diesel	25 U	
NW-3	NW3-14.5	7/13/2000	Soil	Subsurface	14.5	14.5	NWTPH-Dx	Diesel #2	Diesel	25 U	
NW-4	NW4-10.5	7/13/2000	Soil	Subsurface	10.5	10.5	NWTPH-Dx	Diesel #2	Diesel	25 U	
NW-5	NW5-10.5	7/13/2000	Soil	Subsurface	10.5	10.5	NWTPH-Dx	Diesel #2	Diesel	25 U	
NW-5	NW5-10.5 DUP	7/13/2000	Soil	Subsurface	10.5	10.5	NWTPH-Dx	Diesel #2	Diesel	25 U	
NW-6	NW6-14.5	7/13/2000	Soil	Subsurface	14.5	14.5	NWTPH-Dx	Diesel #2	Diesel	25 U	
SB1	SB1/S3	10/12/1990	Soil	Subsurface	12.5	14	USEPA 8015M	Diesel #2	Diesel	25 U	
SB3	SB3/S2	10/12/1990	Soil	Subsurface	7.5	9	USEPA 8015M	Diesel #2	Diesel	25 U	
SB4	SB4/S1	10/12/1990	Soil	Subsurface	1.5	3	USEPA 8015M	Diesel #2	Diesel	25 U	
SB5	SB5/S3	10/12/1990	Soil	Subsurface	12.5	14	USEPA 8015M	Diesel #2	Diesel	25 U	
SB7	SB7/S3	10/12/1990	Soil	Subsurface	12.5	14	USEPA 8015M	Diesel #2	Diesel	25 U	
SB8	SB8/S3	10/12/1990	Soil	Subsurface	12.5	14	USEPA 8015M	Diesel #2	Diesel	25 U	
SB9	SB9/S2	10/12/1990	Soil	Subsurface	7.5	9	USEPA 8015M	Diesel #2	Diesel	25 U	
GP-40	GP-140 9-10	12/12/2008	Soil	Subsurface	9	10	NWTPH-Dx	Diesel #2	Diesel	20 U	
GP-40	GP-40 17.5-18.5	12/12/2008	Soil	Subsurface	17.5	18.5	NWTPH-Dx	Diesel #2	Diesel	20 U	

Table H.1
Total Petroleum Hydrocarbon Product Interpretation for Soil Samples
(mg/kg)

Location	Field Sample ID	Sample Date	Media	Modifier	Upper Sample Depth (ft)	Lower Sample Depth (ft)	Analytical Method	Parameter	Interpreted Parameter	Value	Comments by Dr. Teri Floyd
Diesel #2 Results (continued)											
GP-40	GP-40 22-23	12/12/2008	Soil	Subsurface	22	23	NWTPH-Dx	Diesel #2	Diesel	20 U	
GP-40	GP-40 29-30	12/12/2008	Soil	Subsurface	29	30	NWTPH-Dx	Diesel #2	Diesel	20 U	
GP-40	GP-40 42-43	12/12/2008	Soil	Subsurface	42	43	NWTPH-Dx	Diesel #2	Diesel	20 U	
GP-40	GP-40 50-51	12/12/2008	Soil	Subsurface	50	51	NWTPH-Dx	Diesel #2	Diesel	20 U	
GP-40	GP-40 57-58	12/12/2008	Soil	Subsurface	57	58	NWTPH-Dx	Diesel #2	Diesel	20 U	
GP-40	GP-40 59-60	12/12/2008	Soil	Subsurface	59	60	NWTPH-Dx	Diesel #2	Diesel	20 U	
GP-40	GP-40 9-10	12/12/2008	Soil	Subsurface	9	10	NWTPH-Dx	Diesel #2	Diesel	20 U	
GP-57	GP-57 15-17	12/29/2008	Soil	Subsurface	15	17	NWTPH-Dx	Diesel #2	Diesel	20 U	
GP-57	GP-57 17-18	12/29/2008	Soil	Subsurface	17	18	NWTPH-Dx	Diesel #2	Diesel	20 U	
GP-57	GP-57 28-30	12/29/2008	Soil	Subsurface	28	30	NWTPH-Dx	Diesel #2	Diesel	20 U	
SB-52a	SB-52a 11.5	12/30/2008	Soil	Subsurface	11.5	11.5	NWTPH-Dx	Diesel #2	Diesel	20 U	
SB-52a	SB-52a 3	12/30/2008	Soil	Subsurface	3	3	NWTPH-Dx	Diesel #2	Diesel	20 U	
BOR H	BOR H-3	10/15/1991	Soil	Subsurface	7.5	7.5	USEPA 8015M	Diesel #2	Diesel	5 U	
B-07	B7/S3	10/12/1990	Soil	Subsurface	7.5	9	USEPA 8015M	Diesel #2	Diesel	25 U	
B-10	B10A/S1	10/12/1990	Soil	Subsurface	7.5	9	USEPA 8015M	Diesel #2	Diesel	25 U	
B-13	B13/S2	10/12/1990		Subsurface	5	6.5	USEPA 8015M	Diesel #2	Diesel	25 U	
B-14	B14/S3	10/12/1990	Soil	Subsurface	11.5	13	USEPA 8015M	Diesel #2	Diesel	25 U	
Heavy Oil Results											
B-24	B-24/S6	3/30/1992	Soil	Subsurface	7.5	9	USEPA 8015M	Motor Oil	Heavy Oil	12644	Upgradient from Site on E. Marginal Way S.
B-30	B-30/SURFACE TOTAL	4/2/1992	Soil	Surface	0	0	USEPA 8015M	Motor Oil	Heavy Oil	3908	
B-32	B-32/S-1	8/28/1992	Soil	Surface	0	3	USEPA 8015M	Motor Oil	Heavy Oil	2894	
B-31	B-31/SURFACE TOTAL	4/2/1992	Soil	Surface	0	0	USEPA 8015M	Motor Oil	Heavy Oil	1477	
B-05	B-5/SURFACE TOTAL	4/9/1992	Soil	Surface	0	0	USEPA 8015M	Motor Oil	Heavy Oil	1408	
B-28	B-28/SURFACE TOTAL	4/7/1992	Soil	Surface	0	0	USEPA 8015M	Motor Oil	Heavy Oil	1126 J	
B-29	B-29/SURFACE TOTAL	4/8/1992	Soil	Surface	0	0	USEPA 8015M	Motor Oil	Heavy Oil	1023	
B-30	B-30/S6A	4/7/1992	Soil	Subsurface	10	11.5	USEPA 8015M	Motor Oil	Heavy Oil	3095 J	
B-30	B-30/S9	4/7/1992	Soil	Subsurface	14.5	16	USEPA 8015M	Motor Oil	Heavy Oil	741	
B-22	B-22/S2	3/27/1992	Soil	Subsurface	1.5	3	USEPA 8015M	Motor Oil	Heavy Oil	712 J	
B-24	B-24/S8	3/30/1992	Soil	Subsurface	10.5	12	USEPA 8015M	Motor Oil	Heavy Oil	570	
B-31	B-31/S8	4/7/1992	Soil	Subsurface	10.5	12	USEPA 8015M	Motor Oil	Heavy Oil	458 JN	
B-30	B-30/S6	4/7/1992	Soil	Subsurface	10	11.5	USEPA 8015M	Motor Oil	Heavy Oil	107 U	
NW-10	NW10-16.5	7/14/2000	Soil	Subsurface	16.5	16.5	NWTPH-Dx	Heavy Fuel Oil	Heavy Oil	65 U	
NW-8	NW8-14.5	7/14/2000	Soil	Subsurface	14.5	14.5	NWTPH-Dx	Heavy Fuel Oil	Heavy Oil	64 U	
NW-10	NW10-15.0	7/14/2000	Soil	Subsurface	15	15	NWTPH-Dx	Heavy Fuel Oil	Heavy Oil	61 U	
NW-7	NW7-10.5	7/14/2000	Soil	Subsurface	10.5	10.5	NWTPH-Dx	Heavy Fuel Oil	Heavy Oil	61 U	
NW-11	NW11-10.5	7/14/2000	Soil	Subsurface	10.5	10.5	NWTPH-Dx	Heavy Fuel Oil	Heavy Oil	60 U	
NW-12	NW12-10.0	7/14/2000	Soil	Subsurface	10	10	NWTPH-Dx	Heavy Fuel Oil	Heavy Oil	57 U	
NW-9	NW9-10.5	7/14/2000	Soil	Subsurface	10.5	10.5	NWTPH-Dx	Heavy Fuel Oil	Heavy Oil	54 U	
NW-10	NW10-6.5	7/14/2000	Soil	Subsurface	6.5	6.5	NWTPH-Dx	Heavy Fuel Oil	Heavy Oil	52 U	
GP-40	GP-140 9-10	12/12/2008	Soil	Subsurface	9	10	NWTPH-Dx	Lube Oil	Heavy Oil	50 U	
GP-40	GP-40 17.5-18.5	12/12/2008	Soil	Subsurface	17.5	18.5	NWTPH-Dx	Lube Oil	Heavy Oil	50 U	
GP-40	GP-40 22-23	12/12/2008	Soil	Subsurface	22	23	NWTPH-Dx	Lube Oil	Heavy Oil	50 U	
GP-40	GP-40 29-30	12/12/2008	Soil	Subsurface	29	30	NWTPH-Dx	Lube Oil	Heavy Oil	50 U	
GP-40	GP-40 42-43	12/12/2008	Soil	Subsurface	42	43	NWTPH-Dx	Lube Oil	Heavy Oil	50 U	

Table H.1
Total Petroleum Hydrocarbon Product Interpretation for Soil Samples
(mg/kg)

Location	Field Sample ID	Sample Date	Media	Modifier	Upper Sample Depth (ft)	Lower Sample Depth (ft)	Analytical Method	Parameter	Interpreted Parameter	Value	Comments by Dr. Teri Floyd
Heavy Oil Results (continued)											
GP-40	GP-40 50-51	12/12/2008	Soil	Subsurface	50	51	NWTPH-Dx	Lube Oil	Heavy Oil	50 U	
GP-40	GP-40 57-58	12/12/2008	Soil	Subsurface	57	58	NWTPH-Dx	Lube Oil	Heavy Oil	50 U	
GP-40	GP-40 59-60	12/12/2008	Soil	Subsurface	59	60	NWTPH-Dx	Lube Oil	Heavy Oil	50 U	
GP-40	GP-40 9-10	12/12/2008	Soil	Subsurface	9	10	NWTPH-Dx	Lube Oil	Heavy Oil	50 U	
GP-57	GP-57 15-17	12/29/2008	Soil	Subsurface	15	17	NWTPH-Dx	Lube Oil	Heavy Oil	50 U	
GP-57	GP-57 17-18	12/29/2008	Soil	Subsurface	17	18	NWTPH-Dx	Lube Oil	Heavy Oil	50 U	
GP-57	GP-57 28-30	12/29/2008	Soil	Subsurface	28	30	NWTPH-Dx	Lube Oil	Heavy Oil	50 U	
NW-1	NW1-14.5	7/13/2000	Soil	Subsurface	14.5	14.5	NWTPH-Dx	Heavy Fuel Oil	Heavy Oil	50 U	
NW-2	NW2-10.5	7/13/2000	Soil	Subsurface	10.5	10.5	NWTPH-Dx	Heavy Fuel Oil	Heavy Oil	50 U	
NW-2	NW2-17.5	7/13/2000	Soil	Subsurface	17.5	17.4	NWTPH-Dx	Heavy Fuel Oil	Heavy Oil	50 U	
NW-3	NW3-10.5	7/13/2000	Soil	Subsurface	10.5	10.5	NWTPH-Dx	Heavy Fuel Oil	Heavy Oil	50 U	
NW-3	NW3-14.5	7/13/2000	Soil	Subsurface	14.5	14.5	NWTPH-Dx	Heavy Fuel Oil	Heavy Oil	50 U	
NW-4	NW4-10.5	7/13/2000	Soil	Subsurface	10.5	10.5	NWTPH-Dx	Heavy Fuel Oil	Heavy Oil	50 U	
NW-5	NW5-10.5	7/13/2000	Soil	Subsurface	10.5	10.5	NWTPH-Dx	Heavy Fuel Oil	Heavy Oil	50 U	
NW-6	NW6-14.5	7/13/2000	Soil	Subsurface	14.5	14.5	NWTPH-Dx	Heavy Fuel Oil	Heavy Oil	50 U	
SB-52a	SB-52a 11.5	12/30/2008	Soil	Subsurface	11.5	11.5	NWTPH-Dx	Lube Oil	Heavy Oil	50 U	
SB-52a	SB-52a 3	12/30/2008	Soil	Subsurface	3	3	NWTPH-Dx	Lube Oil	Heavy Oil	50 U	
GP-40	GP-140 9-10	12/12/2008	Soil	Subsurface	9	10	NWTPH-Dx	Paraffin Oils	Heavy Oil	40 U	
GP-40	GP-40 17.5-18.5	12/12/2008	Soil	Subsurface	17.5	18.5	NWTPH-Dx	Paraffin Oils	Heavy Oil	40 U	
GP-40	GP-40 22-23	12/12/2008	Soil	Subsurface	22	23	NWTPH-Dx	Paraffin Oils	Heavy Oil	40 U	
GP-40	GP-40 29-30	12/12/2008	Soil	Subsurface	29	30	NWTPH-Dx	Paraffin Oils	Heavy Oil	40 U	
GP-40	GP-40 42-43	12/12/2008	Soil	Subsurface	42	43	NWTPH-Dx	Paraffin Oils	Heavy Oil	40 U	
GP-40	GP-40 50-51	12/12/2008	Soil	Subsurface	50	51	NWTPH-Dx	Paraffin Oils	Heavy Oil	40 U	
GP-40	GP-40 57-58	12/12/2008	Soil	Subsurface	57	58	NWTPH-Dx	Paraffin Oils	Heavy Oil	40 U	
GP-40	GP-40 59-60	12/12/2008	Soil	Subsurface	59	60	NWTPH-Dx	Paraffin Oils	Heavy Oil	40 U	
GP-40	GP-40 9-10	12/12/2008	Soil	Subsurface	9	10	NWTPH-Dx	Paraffin Oils	Heavy Oil	40 U	
GP-57	GP-57 15-17	12/29/2008	Soil	Subsurface	15	17	NWTPH-Dx	Paraffin Oils	Heavy Oil	40 U	
GP-57	GP-57 17-18	12/29/2008	Soil	Subsurface	17	18	NWTPH-Dx	Paraffin Oils	Heavy Oil	40 U	
GP-57	GP-57 28-30	12/29/2008	Soil	Subsurface	28	30	NWTPH-Dx	Paraffin Oils	Heavy Oil	40 U	
SB-52a	SB-52a 11.5	12/30/2008	Soil	Subsurface	11.5	11.5	NWTPH-Dx	Paraffin Oils	Heavy Oil	40 U	
SB-52a	SB-52a 3	12/30/2008	Soil	Subsurface	3	3	NWTPH-Dx	Paraffin Oils	Heavy Oil	40 U	
B-07	B-7/S7B	10/8/1990	Soil	Subsurface	16.5	17.5	USEPA 8015M	Fuel Oil #6	Heavy Oil	25 U	
B-07	B-7/S7B	10/8/1990	Soil	Subsurface	16.5	17.5	USEPA 8015M	Motor Oil	Heavy Oil	25 U	
B-11	B-11/S2	10/8/1990	Soil	Subsurface	5	6.5	USEPA 8015M	Fuel Oil #6	Heavy Oil	25 U	
B-11	B-11/S2	10/8/1990	Soil	Subsurface	5	6.5	USEPA 8015M	Motor Oil	Heavy Oil	25 U	
B-11	B11/S4	10/12/1990	Soil	Subsurface	10	11.5	USEPA 8015M	Fuel Oil #6	Heavy Oil	25 U	
B-11	B11/S4	10/12/1990	Soil	Subsurface	10	11.5	USEPA 8015M	Motor Oil	Heavy Oil	25 U	
B-12	B12/S1	10/12/1990	Soil	Subsurface	2.5	4	USEPA 8015M	Fuel Oil #6	Heavy Oil	25 U	
B-12	B12/S1	10/12/1990	Soil	Subsurface	2.5	4	USEPA 8015M	Motor Oil	Heavy Oil	25 U	
SB1	SB1/S3	10/12/1990	Soil	Subsurface	12.5	14	USEPA 8015M	Fuel Oil #6	Heavy Oil	25 U	
SB1	SB1/S3	10/12/1990	Soil	Subsurface	12.5	14	USEPA 8015M	Motor Oil	Heavy Oil	25 U	
SB3	SB3/S2	10/12/1990	Soil	Subsurface	7.5	9	USEPA 8015M	Fuel Oil #6	Heavy Oil	25 U	
SB3	SB3/S2	10/12/1990	Soil	Subsurface	7.5	9	USEPA 8015M	Motor Oil	Heavy Oil	25 U	
SB4	SB4/S1	10/12/1990	Soil	Subsurface	1.5	3	USEPA 8015M	Fuel Oil #6	Heavy Oil	25 U	

Table H.1
Total Petroleum Hydrocarbon Product Interpretation for Soil Samples
(mg/kg)

Location	Field Sample ID	Sample Date	Media	Modifier	Upper Sample Depth (ft)	Lower Sample Depth (ft)	Analytical Method	Parameter	Interpreted Parameter	Value	Comments by Dr. Teri Floyd
Heavy Oil Results (continued)											
SB4	SB4/S1	10/12/1990	Soil	Subsurface	1.5	3	USEPA 8015M	Motor Oil	Heavy Oil	25 U	
SB5	SB5/S3	10/12/1990	Soil	Subsurface	12.5	14	USEPA 8015M	Fuel Oil #6	Heavy Oil	25 U	
SB5	SB5/S3	10/12/1990	Soil	Subsurface	12.5	14	USEPA 8015M	Motor Oil	Heavy Oil	25 U	
SB7	SB7/S3	10/12/1990	Soil	Subsurface	12.5	14	USEPA 8015M	Fuel Oil #6	Heavy Oil	25 U	
SB7	SB7/S3	10/12/1990	Soil	Subsurface	12.5	14	USEPA 8015M	Motor Oil	Heavy Oil	25 U	
SB8	SB8/S3	10/12/1990	Soil	Subsurface	12.5	14	USEPA 8015M	Fuel Oil #6	Heavy Oil	25 U	
SB8	SB8/S3	10/12/1990	Soil	Subsurface	12.5	14	USEPA 8015M	Motor Oil	Heavy Oil	25 U	
SB9	SB9/S2	10/12/1990	Soil	Subsurface	7.5	9	USEPA 8015M	Fuel Oil #6	Heavy Oil	25 U	
SB9	SB9/S2	10/12/1990	Soil	Subsurface	7.5	9	USEPA 8015M	Motor Oil	Heavy Oil	25 U	
B-07	B7/S3	10/12/1990	Soil	Subsurface	7.5	9	USEPA 8015M	Fuel Oil #6	Heavy Oil	25 U	
B-07	B7/S3	10/12/1990	Soil	Subsurface	7.5	9	USEPA 8015M	Motor Oil	Heavy Oil	25 U	
B-10	B10A/S1	10/12/1990	Soil	Subsurface	7.5	9	USEPA 8015M	Fuel Oil #6	Heavy Oil	25 U	
B-10	B10A/S1	10/12/1990	Soil	Subsurface	7.5	9	USEPA 8015M	Motor Oil	Heavy Oil	25 U	
B-13	B13/S2	10/12/1990		Subsurface	5	6.5	USEPA 8015M	Fuel Oil #6	Heavy Oil	25 U	
B-13	B13/S2	10/12/1990	Soil	Subsurface	5	6.5	USEPA 8015M	Motor Oil	Heavy Oil	25 U	
B-14	B14/S3	10/12/1990	Soil	Subsurface	11.5	13	USEPA 8015M	Fuel Oil #6	Heavy Oil	25 U	
B-14	B14/S3	10/12/1990	Soil	Subsurface	11.5	13	USEPA 8015M	Motor Oil	Heavy Oil	25 U	
Mineral Spirits Results											
B-02	B-2/S-3	5/11/1990	Soil	Subsurface	10	11.5	USEPA 8015M	Gasoline	Mineral Spirits	6500	
SB3	SB3/S2	10/12/1990	Soil	Subsurface	7.5	9	USEPA 8015M	Light Hydrocarbons	Mineral Spirits	6400	
B-30	B-30/S6A	4/7/1992	Soil	Subsurface	10	11.5	USEPA 8015M	Gasoline	Mineral Spirits	5000	
B-30	B-30/S6	4/7/1992	Soil	Subsurface	10	11.5	USEPA 8015M	Gasoline	Mineral Spirits	3411 JN	
B-30	B-30/SURFACE TOTAL	4/2/1992	Soil	Surface	0	0	USEPA 8015M	Gasoline	Mineral Spirits	2988 JN	
B-30	B-30/S6A	4/7/1992	Soil	Subsurface	10	11.5	USEPA 8015M	Thinner	Mineral Spirits	2738	
B-03	B-3/S-3	5/11/1990	Soil	Subsurface	10.25	11.75	USEPA 8015M	Gasoline	Mineral Spirits	2600	
B-30	B-30/S6	4/7/1992	Soil	Subsurface	10	11.5	USEPA 8015M	Thinner	Mineral Spirits	2452	
B-30	B-30/SURFACE TOTAL	4/2/1992	Soil	Surface	0	0	USEPA 8015M	Thinner	Mineral Spirits	2414	
21-C	21-C	8/31/1990	Soil	Subsurface	10	12	USEPA 8015M	Stoddard's Solvent	Mineral Spirits	2200	
SB4	SB4/S1	10/12/1990	Soil	Subsurface	1.5	3	USEPA 8015M	Light Hydrocarbons	Mineral Spirits	2100	
21-C	21-C	8/31/1990	Soil	Subsurface	10	12	USEPA 8015M	Mineral Spirits	Mineral Spirits	1800	
B-30	B-30/S9	4/7/1992	Soil	Subsurface	14.5	16	USEPA 8015M	Gasoline	Mineral Spirits	1728 JN	
B-37	B-37/S-1	8/27/1992	Soil	Subsurface	1.5	3.5	USEPA 8015M	Gasoline	Mineral Spirits	1429 JN	
B-30	B-30/S9	4/7/1992	Soil	Subsurface	14.5	16	USEPA 8015M	Thinner	Mineral Spirits	1358	
B-37	B-37/S-1	8/27/1992	Soil	Subsurface	1.5	3.5	USEPA 8015M	Thinner	Mineral Spirits	1310	
GP-57	GP-57 15-17	12/29/2008	Soil	Subsurface	15	17	NWTPH-Dx	Mineral Spirits	Mineral Spirits	1000	
SB5	SB5/S3	10/12/1990	Soil	Subsurface	12.5	14	USEPA 8015M	Light Hydrocarbons	Mineral Spirits	700	
B-31	B-31/SURFACE TOTAL	4/2/1992	Soil	Surface	0	0	USEPA 8015M	Thinner	Mineral Spirits	659	
B-31	B-31/SURFACE TOTAL	4/2/1992	Soil	Surface	0	0	USEPA 8015M	Gasoline	Mineral Spirits	557	

Table H.1
Total Petroleum Hydrocarbon Product Interpretation for Soil Samples
(mg/kg)

Location	Field Sample ID	Sample Date	Media	Modifier	Upper Sample Depth (ft)	Lower Sample Depth (ft)	Analytical Method	Parameter	Interpreted Parameter	Value	Comments by Dr. Teri Floyd
Mineral Spirits Results (continued)											
GP-40	GP-40 22-23	12/12/2008	Soil	Subsurface	22	23	NWTPH-Gx	Gasoline-range Hydrocarbons	Mineral Spirits	540	
SB1	SB1/S3	10/12/1990	Soil	Subsurface	12.5	14	USEPA 8015M	Light Hydrocarbons	Mineral Spirits	400	
B-07	B-7/S7B	10/8/1990	Soil	Subsurface	16.5	17.5	USEPA 8015M	Light Hydrocarbons	Mineral Spirits	310	
B-30	B-30/S2	4/2/1992	Soil	Subsurface	4	5.5	USEPA 8015M	Gasoline	Mineral Spirits	67	
B-38	B-38/S-1	8/27/1992	Soil	Subsurface	9	11	USEPA 8015M	Gasoline	Mineral Spirits	48 JN	
B-38	B-38/S-1	8/27/1992	Soil	Subsurface	9	11	USEPA 8015M	Thinner	Mineral Spirits	45	
B-29	B-29/SURFACE TOTAL	4/8/1992	Soil	Surface	0	0	USEPA 8015M	Gasoline	Mineral Spirits	37	
B-31	B-31/S8	4/7/1992	Soil	Subsurface	10.5	12	USEPA 8015M	Gasoline	Mineral Spirits	30 JN	
GP-57	GP-57 17-18	12/29/2008	Soil	Subsurface	17	18	NWTPH-Dx	Mineral Spirits	Mineral Spirits	22	
25-S	25-S	8/31/1990	Soil	Subsurface	10	12	USEPA 8015M	Stoddard's Solvent	Mineral Spirits	14	
B-07	B7/S3	10/12/1990	Soil	Subsurface	7.5	9	USEPA 8015M	Light Hydrocarbons	Mineral Spirits	14	
B-05	B-5/SURFACE TOTAL	4/9/1992	Soil	Surface	0	0	USEPA 8015M	Gasoline	Mineral Spirits	13	
B-32	B-32/S-1	8/28/1992	Soil	Subsurface	0	3	USEPA 8015M	Gasoline	Mineral Spirits	13	
B-35	B-35/S-13	8/26/1992	Soil	Subsurface	28	30	USEPA 8015M	Gasoline	Mineral Spirits	13	
25-S	25-S	8/31/1990	Soil	Subsurface	10	12	USEPA 8015M	Mineral Spirits	Mineral Spirits	12	
B-21	B-21/S2	4/8/1992	Soil	Subsurface	22.5	24	USEPA 8015M	Gasoline	Mineral Spirits	11	
B-29	B-29/S6	4/8/1992	Soil	Subsurface	9	10.5	USEPA 8015M	Gasoline	Mineral Spirits	9 JN	
B-34	B-34/S-3	8/25/1992	Soil	Subsurface	12.5	14.5	USEPA 8015M	Gasoline	Mineral Spirits	8	
7/8S	7/8S	9/19/1990	Soil	Subsurface	10	12	USEPA 8015M	Stoddard's Solvent	Mineral Spirits	7.6	
SW-19E	SW-19E	9/19/1990	Soil	Subsurface	5	10	USEPA 8015M	Stoddard's Solvent	Mineral Spirits	6.9	
B-28	B-28/SURFACE TOTAL	4/7/1992	Soil	Surface	0	0	USEPA 8015M	Gasoline	Mineral Spirits	6 J	
7/8S	7/8S	9/19/1990	Soil	Subsurface	10	12	USEPA 8015M	Mineral Spirits	Mineral Spirits	4.7	
SW-19E	SW-19E	9/19/1990	Soil	Subsurface	5	10	USEPA 8015M	Mineral Spirits	Mineral Spirits	4	
5/6N	5/6N	9/19/1990	Soil	Subsurface	10	12	USEPA 8015M	Stoddard's Solvent	Mineral Spirits	3.3	
15/16N	15/16N	9/19/1990	Soil	Subsurface	10	12	USEPA 8015M	Stoddard's Solvent	Mineral Spirits	2.9	
5/6N	5/6N	9/19/1990	Soil	Subsurface	10	12	USEPA 8015M	Mineral Spirits	Mineral Spirits	2	
15/16N	15/16N	9/19/1990	Soil	Subsurface	10	12	USEPA 8015M	Mineral Spirits	Mineral Spirits	1.8	
B-24	B-24/S6	3/30/1992	Soil	Subsurface	7.5	9	USEPA 8015M	Thinner	Mineral Spirits	144 U	
B-27	B-27/S25	4/6/1992	Soil	Subsurface	47.5	49	USEPA 8015M	Thinner	Mineral Spirits	35 U	
B-21	B-21/S19	4/8/1992	Soil	Subsurface	48	49.5	USEPA 8015M	Thinner	Mineral Spirits	34 U	
B-20	B-20/S10	3/28/1992	Soil	Subsurface	12	13.5	USEPA 8015M	Thinner	Mineral Spirits	33 U	
B-21	B-21/S2	4/8/1992	Soil	Subsurface	22.5	24	USEPA 8015M	Thinner	Mineral Spirits	33 U	
B-27	B-27/S23	4/6/1992	Soil	Subsurface	44.5	46	USEPA 8015M	Thinner	Mineral Spirits	33 U	
WH-5	WH5-16.5	8/9/2000	Soil	Subsurface	16.5	16.5	NWTPH-Gx	Gasoline	Mineral Spirits	33 U	
B-18	B-18/S11	3/29/1992	Soil	Subsurface	15	16.5	USEPA 8015M	Thinner	Mineral Spirits	32 U	

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(mg/kg)

Location	Field Sample ID	Sample Date	Media	Modifier	Upper Sample Depth (ft)	Lower Sample Depth (ft)	Analytical Method	Parameter	Interpreted Parameter	Value	Comments by Dr. Teri Floyd
Mineral Spirits Results (continued)											
B-19	B-19/S8	4/7/1992	Soil	Subsurface	26.5	28	USEPA 8015M	Thinner	Mineral Spirits	32 U	
B-21	B-21/S15	4/8/1992	Soil	Subsurface	42	43.5	USEPA 8015M	Thinner	Mineral Spirits	32 U	
B-21	B-21/S19A	4/8/1992	Soil	Subsurface	47	48.5	USEPA 8015M	Thinner	Mineral Spirits	32 U	
B-22	B-22/S8	3/27/1992	Soil	Subsurface	10.5	12	USEPA 8015M	Thinner	Mineral Spirits	32 U	
B-24	B-24/S8	3/30/1992	Soil	Subsurface	10.5	12	USEPA 8015M	Thinner	Mineral Spirits	32 U	
B-31	B-31/S2	4/7/1992	Soil	Subsurface	1.5	3	USEPA 8015M	Thinner	Mineral Spirits	32 U	
WH-1	WH1-10.5	8/9/2000	Soil	Subsurface	10.5	10.5	NWTPH-Gx	Gasoline	Mineral Spirits	32 U	
WH-6	WH6-16.5	8/9/2000	Soil	Subsurface	16.5	16.5	NWTPH-Gx	Gasoline	Mineral Spirits	32 U	
WH-8	WH8-16.5	8/10/2000	Soil	Subsurface	16.5	16.5	NWTPH-Gx	Gasoline	Mineral Spirits	32 U	
WH-9	WH9-12.5	8/10/2000	Soil	Subsurface	12.5	12.5	NWTPH-Gx	Gasoline	Mineral Spirits	32 U	
B-23	B-23/S11	4/3/1992	Soil	Subsurface	26.5	28	USEPA 8015M	Thinner	Mineral Spirits	31 U	
B-26	B-26/S11	3/29/1992	Soil	Subsurface	12	13.5	USEPA 8015M	Thinner	Mineral Spirits	31 U	
B-29	B-29/S9	4/8/1992	Soil	Subsurface	13.5	15	USEPA 8015M	Thinner	Mineral Spirits	31 U	
WH-6	WH6-14	8/9/2000	Soil	Subsurface	14	14	NWTPH-Gx	Gasoline	Mineral Spirits	31 U	
B-18	B-18/S3	3/29/1992	Soil	Subsurface	3	4.5	USEPA 8015M	Thinner	Mineral Spirits	30 U	
B-19	B-19/S20	4/7/1992	Soil	Subsurface	44.5	46	USEPA 8015M	Thinner	Mineral Spirits	30 U	
B-23	B-23/S25	4/3/1992	Soil	Subsurface	47.5	49	USEPA 8015M	Thinner	Mineral Spirits	30 U	
B-23	B-23/S26	4/3/1992	Soil	Subsurface	47.5	49	USEPA 8015M	Thinner	Mineral Spirits	30 U	
B-25	B-25/S9	3/31/1992	Soil	Subsurface	28	29.5	USEPA 8015M	Thinner	Mineral Spirits	30 U	
B-26	B-26/S3	3/29/1992	Soil	Subsurface	3	4.5	USEPA 8015M	Thinner	Mineral Spirits	30 U	
B-28	B-28/S10	3/30/1992	Soil	Subsurface	13.5	15	USEPA 8015M	Thinner	Mineral Spirits	30 U	
B-31	B-31/S8	4/7/1992	Soil	Subsurface	10.5	12	USEPA 8015M	Thinner	Mineral Spirits	30 U	
WH-7	WH7-16.5	8/9/2000	Soil	Subsurface	16.5	16.5	NWTPH-Gx	Gasoline	Mineral Spirits	30 U	
B-20	B-20/S3	3/28/1992	Soil	Subsurface	3	4.5	USEPA 8015M	Thinner	Mineral Spirits	29 U	
B-22	B-22/S2	3/27/1992	Soil	Subsurface	1.5	3	USEPA 8015M	Thinner	Mineral Spirits	29 U	
B-24	B-24/S6	3/30/1992	Soil	Subsurface	7.5	9	USEPA 8015M	Gasoline	Mineral Spirits	29 U	
B-20	B-20/S7	3/28/1992	Soil	Subsurface	7.5	9	USEPA 8015M	Thinner	Mineral Spirits	28 U	
B-29	B-29/S6	4/8/1992	Soil	Subsurface	9	10.5	USEPA 8015M	Thinner	Mineral Spirits	28 U	
B-22	B-22/S5	3/27/1992	Soil	Subsurface	6	7.5	USEPA 8015M	Thinner	Mineral Spirits	27 U	
B-24	B-24/S3	3/30/1992	Soil	Subsurface	3	4.5	USEPA 8015M	Thinner	Mineral Spirits	27 U	
B-26	B-26/S5	3/29/1992	Soil	Subsurface	6	7.5	USEPA 8015M	Thinner	Mineral Spirits	27 U	
B-26	B-26/S6	3/29/1992	Soil	Subsurface	6	7.5	USEPA 8015M	Thinner	Mineral Spirits	27 U	
B-28	B-28/S3	3/30/1992	Soil	Subsurface	3	4.5	USEPA 8015M	Thinner	Mineral Spirits	27 U	
B-28	B-28/S6	3/30/1992	Soil	Subsurface	7.5	9	USEPA 8015M	Thinner	Mineral Spirits	27 U	
B-31	B-31/S6	4/7/1992	Soil	Subsurface	7.5	9	USEPA 8015M	Thinner	Mineral Spirits	27 U	
B-18	B-18/S6	3/29/1992	Soil	Subsurface	7.5	9	USEPA 8015M	Thinner	Mineral Spirits	26 U	
B-07	B-7/S7B	10/8/1990	Soil	Subsurface	16.5	17.5	USEPA 8015M	Kerosene	Mineral Spirits	25 U	
B-11	B-11/S2	10/8/1990	Soil	Subsurface	5	6.5	USEPA 8015M	Kerosene	Mineral Spirits	25 U	
B-11	B-11/S2	10/8/1990	Soil	Subsurface	5	6.5	USEPA 8015M	Light Hydrocarbons	Mineral Spirits	25 U	
B-11	B11/S4	10/12/1990	Soil	Subsurface	10	11.5	USEPA 8015M	Kerosene	Mineral Spirits	25 U	
B-11	B11/S4	10/12/1990	Soil	Subsurface	10	11.5	USEPA 8015M	Light Hydrocarbons	Mineral Spirits	25 U	
B-12	B12/S1	10/12/1990	Soil	Subsurface	2.5	4	USEPA 8015M	Kerosene	Mineral Spirits	25 U	

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(mg/kg)

Location	Field Sample ID	Sample Date	Media	Modifier	Upper Sample Depth (ft)	Lower Sample Depth (ft)	Analytical Method	Parameter	Interpreted Parameter	Value	Comments by Dr. Teri Floyd
Mineral Spirits Results (continued)											
B-12	B12/S1	10/12/1990	Soil	Subsurface	2.5	4	USEPA 8015M	Light Hydrocarbons	Mineral Spirits	25 U	
PT-2	PT-2	10/3/1990	Soil	Subsurface	0.5	1	USEPA 8015M	Kerosene	Mineral Spirits	25 U	
PT-3	PT-3	10/3/1990	Soil	Subsurface	0.5	1	USEPA 8015M	Kerosene	Mineral Spirits	25 U	
PT-4	PT-4	10/3/1990	Soil	Subsurface	0.5	1	USEPA 8015M	Kerosene	Mineral Spirits	25 U	
PT-5	PT-5	10/3/1990	Soil	Subsurface	0.5	1	USEPA 8015M	Kerosene	Mineral Spirits	25 U	
SB1	SB1/S3	10/12/1990	Soil	Subsurface	12.5	14	USEPA 8015M	Kerosene	Mineral Spirits	25 U	
SB3	SB3/S2	10/12/1990	Soil	Subsurface	7.5	9	USEPA 8015M	Kerosene	Mineral Spirits	25 U	
SB4	SB4/S1	10/12/1990	Soil	Subsurface	1.5	3	USEPA 8015M	Kerosene	Mineral Spirits	25 U	
SB5	SB5/S3	10/12/1990	Soil	Subsurface	12.5	14	USEPA 8015M	Kerosene	Mineral Spirits	25 U	
SB7	SB7/S3	10/12/1990	Soil	Subsurface	12.5	14	USEPA 8015M	Kerosene	Mineral Spirits	25 U	
SB7	SB7/S3	10/12/1990	Soil	Subsurface	12.5	14	USEPA 8015M	Light Hydrocarbons	Mineral Spirits	25 U	
SB8	SB8/S3	10/12/1990	Soil	Subsurface	12.5	14	USEPA 8015M	Kerosene	Mineral Spirits	25 U	
SB8	SB8/S3	10/12/1990	Soil	Subsurface	12.5	14	USEPA 8015M	Light Hydrocarbons	Mineral Spirits	25 U	
SB9	SB9/S2	10/12/1990	Soil	Subsurface	7.5	9	USEPA 8015M	Kerosene	Mineral Spirits	25 U	
SB9	SB9/S2	10/12/1990	Soil	Subsurface	7.5	9	USEPA 8015M	Light Hydrocarbons	Mineral Spirits	25 U	
GP-57	GP-57 28-30	12/29/2008	Soil	Subsurface	28	30	NWTPH-Dx	Mineral Spirits	Mineral Spirits	20 U	
SB-52a	SB-52a 11.5	12/30/2008	Soil	Subsurface	11.5	11.5	NWTPH-Dx	Mineral Spirits	Mineral Spirits	20 U	
SB-52a	SB-52a 3	12/30/2008	Soil	Subsurface	3	3	NWTPH-Dx	Mineral Spirits	Mineral Spirits	20 U	
GP-40	GP-140 9-10	12/12/2008	Soil	Subsurface	9	10	NWTPH-Gx	Gasoline	Mineral Spirits	10 U	
GP-40	GP-140 9-10	12/12/2008	Soil	Subsurface	9	10	NWTPH-Gx	Gasoline-range Hydrocarbons	Mineral Spirits	10 U	
GP-40	GP-40 17.5-18.5	12/12/2008	Soil	Subsurface	17.5	18.5	NWTPH-Gx	Gasoline	Mineral Spirits	10 U	
GP-40	GP-40 17.5-18.5	12/12/2008	Soil	Subsurface	17.5	18.5	NWTPH-Gx	Gasoline-range Hydrocarbons	Mineral Spirits	10 U	
GP-40	GP-40 22-23	12/12/2008	Soil	Subsurface	22	23	NWTPH-Gx	Gasoline	Mineral Spirits	10 U	
GP-40	GP-40 29-30	12/12/2008	Soil	Subsurface	29	30	NWTPH-Gx	Gasoline	Mineral Spirits	10 U	
GP-40	GP-40 29-30	12/12/2008	Soil	Subsurface	29	30	NWTPH-Gx	Gasoline-range Hydrocarbons	Mineral Spirits	10 U	
GP-40	GP-40 42-43	12/12/2008	Soil	Subsurface	42	43	NWTPH-Gx	Gasoline	Mineral Spirits	10 U	
GP-40	GP-40 42-43	12/12/2008	Soil	Subsurface	42	43	NWTPH-Gx	Gasoline-range Hydrocarbons	Mineral Spirits	10 U	
GP-40	GP-40 50-51	12/12/2008	Soil	Subsurface	50	51	NWTPH-Gx	Gasoline	Mineral Spirits	10 U	
GP-40	GP-40 50-51	12/12/2008	Soil	Subsurface	50	51	NWTPH-Gx	Gasoline-range Hydrocarbons	Mineral Spirits	10 U	
GP-40	GP-40 57-58	12/12/2008	Soil	Subsurface	57	58	NWTPH-Gx	Gasoline	Mineral Spirits	10 U	
GP-40	GP-40 57-58	12/12/2008	Soil	Subsurface	57	58	NWTPH-Gx	Gasoline-range Hydrocarbons	Mineral Spirits	10 U	
GP-40	GP-40 59-60	12/12/2008	Soil	Subsurface	59	60	NWTPH-Gx	Gasoline	Mineral Spirits	10 U	

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(mg/kg)

Location	Field Sample ID	Sample Date	Media	Modifier	Upper Sample Depth (ft)	Lower Sample Depth (ft)	Analytical Method	Parameter	Interpreted Parameter	Value	Comments by Dr. Teri Floyd
Mineral Spirits Results (continued)											
GP-40	GP-40 59-60	12/12/2008	Soil	Subsurface	59	60	NWTPH-Gx	Gasoline-range Hydrocarbons	Mineral Spirits	10 U	
GP-40	GP-40 9-10	12/12/2008	Soil	Subsurface	9	10	NWTPH-Gx	Gasoline	Mineral Spirits	10 U	
GP-40	GP-40 9-10	12/12/2008	Soil	Subsurface	9	10	NWTPH-Gx	Gasoline-range Hydrocarbons	Mineral Spirits	10 U	
B-20	B-20/S10	3/28/1992	Soil	Subsurface	12	13.5	USEPA 8015M	Gasoline	Mineral Spirits	7 U	
B-21	B-21/S19	4/8/1992	Soil	Subsurface	48	49.5	USEPA 8015M	Gasoline	Mineral Spirits	7 U	
B-27	B-27/S23	4/6/1992	Soil	Subsurface	44.5	46	USEPA 8015M	Gasoline	Mineral Spirits	7 U	
B-27	B-27/S25	4/6/1992	Soil	Subsurface	47.5	49	USEPA 8015M	Gasoline	Mineral Spirits	7 U	
B-33	B-33/S-28	8/24/1992	Soil	Subsurface	38.5	40	USEPA 8015M	Gasoline	Mineral Spirits	7 U	
WH-1	WH1-11.5	8/9/2000	Soil	Subsurface	11.5	11.5	NWTPH-Gx	Gasoline	Mineral Spirits	6.9 U	
WH-2	WH2-11	8/9/2000	Soil	Subsurface	11	11	NWTPH-Gx	Gasoline	Mineral Spirits	6.8 U	
WH-4	WH4-14	8/9/2000	Soil	Subsurface	14	14	NWTPH-Gx	Gasoline	Mineral Spirits	6.7 U	
WH-11	WH11-12.5	8/10/2000	Soil	Subsurface	12.5	12.5	NWTPH-Gx	Gasoline	Mineral Spirits	6.6 U	
WH-3	WH3-12.5	8/9/2000	Soil	Subsurface	12.5	12.5	NWTPH-Gx	Gasoline	Mineral Spirits	6.6 U	
NW-10	NW10-16.5	7/14/2000	Soil	Subsurface	16.5	16.5	NWTPH-Gx	Gasoline	Mineral Spirits	6.5 U	
WH-2	WH2-12.5	8/9/2000	Soil	Subsurface	12.5	12.5	NWTPH-Gx	Gasoline	Mineral Spirits	6.5 U	
WH-9	WH9-11	8/10/2000	Soil	Subsurface	11	11	NWTPH-Gx	Gasoline	Mineral Spirits	6.5 U	
WH-10	WH10-16.5	8/10/2000	Soil	Subsurface	16.5	16.5	NWTPH-Gx	Gasoline	Mineral Spirits	6.3 U	
NW-10	NW10-15.0	7/14/2000	Soil	Subsurface	15	15	NWTPH-Gx	Gasoline	Mineral Spirits	6.1 U	
NW-2	NW2-17.5	7/13/2000	Soil	Subsurface	17.5	17.4	NWTPH-Gx	Gasoline	Mineral Spirits	6.1 U	
NW-3	NW3-14.5	7/13/2000	Soil	Subsurface	14.5	14.5	NWTPH-Gx	Gasoline	Mineral Spirits	6.1 U	
WH-11	WH11-11	8/10/2000	Soil	Subsurface	11	11	NWTPH-Gx	Gasoline	Mineral Spirits	6.1 U	
B-18	B-18/S11	3/29/1992	Soil	Subsurface	15	16.5	USEPA 8015M	Gasoline	Mineral Spirits	6 U	
B-18	B-18/S3	3/29/1992	Soil	Subsurface	3	4.5	USEPA 8015M	Gasoline	Mineral Spirits	6 U	
B-19	B-19/S20	4/7/1992	Soil	Subsurface	44.5	46	USEPA 8015M	Gasoline	Mineral Spirits	6 U	
B-19	B-19/S8	4/7/1992	Soil	Subsurface	26.5	28	USEPA 8015M	Gasoline	Mineral Spirits	6 U	
B-20	B-20/S3	3/28/1992	Soil	Subsurface	3	4.5	USEPA 8015M	Gasoline	Mineral Spirits	6 U	
B-20	B-20/S7	3/28/1992	Soil	Subsurface	7.5	9	USEPA 8015M	Gasoline	Mineral Spirits	6 U	
B-21	B-21/S15	4/8/1992	Soil	Subsurface	42	43.5	USEPA 8015M	Gasoline	Mineral Spirits	6 U	
B-21	B-21/S19A	4/8/1992	Soil	Subsurface	47	48.5	USEPA 8015M	Gasoline	Mineral Spirits	6 U	
B-22	B-22/S2	3/27/1992	Soil	Subsurface	1.5	3	USEPA 8015M	Gasoline	Mineral Spirits	6 U	
B-22	B-22/S8	3/27/1992	Soil	Subsurface	10.5	12	USEPA 8015M	Gasoline	Mineral Spirits	6 U	
B-23	B-23/S11	4/3/1992	Soil	Subsurface	26.5	28	USEPA 8015M	Gasoline	Mineral Spirits	6 U	
B-23	B-23/S25	4/3/1992	Soil	Subsurface	47.5	49	USEPA 8015M	Gasoline	Mineral Spirits	6 U	
B-23	B-23/S26	4/3/1992	Soil	Subsurface	47.5	49	USEPA 8015M	Gasoline	Mineral Spirits	6 U	
B-24	B-24/S8	3/30/1992	Soil	Subsurface	10.5	12	USEPA 8015M	Gasoline	Mineral Spirits	6 U	
B-25	B-25/S9	3/31/1992	Soil	Subsurface	28	29.5	USEPA 8015M	Gasoline	Mineral Spirits	6 U	
B-26	B-26/S11	3/29/1992	Soil	Subsurface	12	13.5	USEPA 8015M	Gasoline	Mineral Spirits	6 U	
B-26	B-26/S3	3/29/1992	Soil	Subsurface	3	4.5	USEPA 8015M	Gasoline	Mineral Spirits	6 U	
B-28	B-28/S10	3/30/1992	Soil	Subsurface	13.5	15	USEPA 8015M	Gasoline	Mineral Spirits	6 U	
B-29	B-29/S9	4/8/1992	Soil	Subsurface	13.5	15	USEPA 8015M	Gasoline	Mineral Spirits	6 U	
B-31	B-31/S2	4/7/1992	Soil	Subsurface	1.5	3	USEPA 8015M	Gasoline	Mineral Spirits	6 U	
B-32	B-32/S-4	8/28/1992	Soil	Subsurface	7	9	USEPA 8015M	Gasoline	Mineral Spirits	6 U	

Table H.1
Total Petroleum Hydrocarbon Product Interpretation for Soil Samples
(mg/kg)

Location	Field Sample ID	Sample Date	Media	Modifier	Upper Sample Depth (ft)	Lower Sample Depth (ft)	Analytical Method	Parameter	Interpreted Parameter	Value	Comments by Dr. Teri Floyd
Mineral Spirits Results (continued)											
B-33	B-33/S-22	8/24/1992	Soil	Subsurface	29.5	31	USEPA 8015M	Gasoline	Mineral Spirits	6 U	
B-35	B-35/S-4	8/26/1992	Soil	Subsurface	8	10	USEPA 8015M	Gasoline	Mineral Spirits	6 U	
B-36	B-36/S-1	8/26/1992	Soil	Subsurface	9	11	USEPA 8015M	Gasoline	Mineral Spirits	6 U	
B-36	B-36/S-1DUP	8/26/1992	Soil	Subsurface	9	11	USEPA 8015M	Gasoline	Mineral Spirits	6 U	
B-37	B-37/S-11	8/27/1992	Soil	Subsurface	21.5	23.5	USEPA 8015M	Gasoline	Mineral Spirits	6 U	
NW-3	NW3-10.5	7/13/2000	Soil	Subsurface	10.5	10.5	NWTPH-Gx	Gasoline	Mineral Spirits	6 U	
WH-9	WH9-14.5	8/10/2000	Soil	Subsurface	14.5	14.5	NWTPH-Gx	Gasoline	Mineral Spirits	6 U	
WH-4	WH4-11	8/9/2000	Soil	Subsurface	11	11	NWTPH-Gx	Gasoline	Mineral Spirits	5.9 U	
WH-8	WH8-11	8/10/2000	Soil	Subsurface	11	11	NWTPH-Gx	Gasoline	Mineral Spirits	5.8 U	
NW-2	NW2-10.5	7/13/2000	Soil	Subsurface	10.5	10.5	NWTPH-Gx	Gasoline	Mineral Spirits	5.5 U	
TSB-1	B-1,S-1	11/19/1998	Soil	Subsurface	7	7	NWTPH-Gx	Gasoline	Mineral Spirits	5.3 U	
TSB-3	B-3,S-1	11/19/1998	Soil	Subsurface	7	7	NWTPH-Gx	Gasoline	Mineral Spirits	5.3 U	
WH-10	WH10-11	8/10/2000	Soil	Subsurface	11	11	NWTPH-Gx	Gasoline	Mineral Spirits	5.3 U	
WH-5	WH5-11	8/9/2000	Soil	Subsurface	11	11	NWTPH-Gx	Gasoline	Mineral Spirits	5.3 U	
WH-7	WH7-11	8/9/2000	Soil	Subsurface	11	11	NWTPH-Gx	Gasoline	Mineral Spirits	5.3 U	
NW-10	NW10-6.5	7/14/2000	Soil	Subsurface	6.5	6.5	NWTPH-Gx	Gasoline	Mineral Spirits	5.2 U	
TSB-2	B-2,S-1	11/19/1998	Soil	Subsurface	7	7	NWTPH-Gx	Gasoline	Mineral Spirits	5.2 U	
WH-3	WH3-11	8/9/2000	Soil	Subsurface	11	11	NWTPH-Gx	Gasoline	Mineral Spirits	5.2 U	
WH-6	WH6-11	8/9/2000	Soil	Subsurface	11	11	NWTPH-Gx	Gasoline	Mineral Spirits	5.2 U	
B-18	B-18/S6	3/29/1992	Soil	Subsurface	7.5	9	USEPA 8015M	Gasoline	Mineral Spirits	5 U	
B-22	B-22/S5	3/27/1992	Soil	Subsurface	6	7.5	USEPA 8015M	Gasoline	Mineral Spirits	5 U	
B-24	B-24/S3	3/30/1992	Soil	Subsurface	3	4.5	USEPA 8015M	Gasoline	Mineral Spirits	5 U	
B-26	B-26/S5	3/29/1992	Soil	Subsurface	6	7.5	USEPA 8015M	Gasoline	Mineral Spirits	5 U	
B-26	B-26/S6	3/29/1992	Soil	Subsurface	6	7.5	USEPA 8015M	Gasoline	Mineral Spirits	5 U	
B-28	B-28/S3	3/30/1992	Soil	Subsurface	3	4.5	USEPA 8015M	Gasoline	Mineral Spirits	5 U	
B-28	B-28/S6	3/30/1992	Soil	Subsurface	7.5	9	USEPA 8015M	Gasoline	Mineral Spirits	5 U	
B-31	B-31/S6	4/7/1992	Soil	Subsurface	7.5	9	USEPA 8015M	Gasoline	Mineral Spirits	5 U	
BOR H	BOR H-3	10/15/1991	Soil	Subsurface	7.5	7.5	USEPA 8015M	Gasoline	Mineral Spirits	5 U	
NW-2	NW2-10.5 DUP	7/13/2000		Subsurface	10.5	10.5	NWTPH-Gx	Gasoline	Mineral Spirits	5 U	
WH-10	WH10-11 DUP	8/10/2000	Soil	Subsurface	11	11	NWTPH-Gx	Gasoline	Mineral Spirits	5 U	
WH-2	WH2-11	8/9/2000	Soil	Subsurface	11	11	NWTPH-Gx	Gasoline	Mineral Spirits	5 U	
WH-7	WH7-11	8/9/2000	Soil	Subsurface	11	11	NWTPH-Gx	Gasoline	Mineral Spirits	5 U	
B-07	B7/S3	10/12/1990	Soil	Subsurface	7.5	9	USEPA 8015M	Kerosene	Mineral Spirits	25 U	
B-10	B10A/S1	10/12/1990	Soil	Subsurface	7.5	9	USEPA 8015M	Kerosene	Mineral Spirits	25 U	
B-10	B10A/S1	10/12/1990	Soil	Subsurface	7.5	9	USEPA 8015M	Light Hydrocarbons	Mineral Spirits	25 U	
B-13	B13/S2	10/12/1990	Soil	Subsurface	5	6.5	USEPA 8015M	Kerosene	Mineral Spirits	25 U	
B-13	B13/S2	10/12/1990	Soil	Subsurface	5	6.5	USEPA 8015M	Light Hydrocarbons	Mineral Spirits	25 U	
B-14	B14/S3	10/12/1990	Soil	Subsurface	11.5	13	USEPA 8015M	Kerosene	Mineral Spirits	25 U	
B-14	B14/S3	10/12/1990	Soil	Subsurface	11.5	13	USEPA 8015M	Light Hydrocarbons	Mineral Spirits	25 U	

Table H.1
Total Petroleum Hydrocarbon Product Interpretation for Soil Samples
(mg/kg)

Location	Field Sample ID	Sample Date	Media	Modifier	Upper Sample Depth (ft)	Lower Sample Depth (ft)	Analytical Method	Parameter	Interpreted Parameter	Value		Comments by Dr. Teri Floyd
Data from samples that were excavated during tank removals												
PT-3	PT-3	10/3/1990	Soil	Subsurface	0.5	1	USEPA 8015M	Light Hydrocarbons	Mineral Spirits	20000		Removed from Site
PT-5	PT-5	10/3/1990	Soil	Subsurface	0.5	1	USEPA 8015M	Light Hydrocarbons	Mineral Spirits	13000		Removed from Site
PT-4	PT-4	10/3/1990	Soil	Subsurface	0.5	1	USEPA 8015M	Light Hydrocarbons	Mineral Spirits	6400		Removed from Site
PT-2	PT-2	10/3/1990	Soil	Subsurface	0.5	1	USEPA 8015M	Light Hydrocarbons	Mineral Spirits	4200		Removed from Site
PT-2	PT-2	10/3/1990	Soil	Subsurface	0.5	1	USEPA 8015M	Diesel #2	Diesel	25 U		Removed from Site
PT-3	PT-3	10/3/1990	Soil	Subsurface	0.5	1	USEPA 8015M	Diesel #2	Diesel	25 U		Removed from Site
PT-4	PT-4	10/3/1990	Soil	Subsurface	0.5	1	USEPA 8015M	Diesel #2	Diesel	25 U		Removed from Site
PT-5	PT-5	10/3/1990	Soil	Subsurface	0.5	1	USEPA 8015M	Diesel #2	Diesel	25 U		Removed from Site
PT-2	PT-2	10/3/1990	Soil	Subsurface	0.5	1	USEPA 8015M	Fuel Oil #6	Heavy Oil	25 U		Removed from Site
PT-2	PT-2	10/3/1990	Soil	Subsurface	0.5	1	USEPA 8015M	Motor Oil	Heavy Oil	25 U		Removed from Site
PT-3	PT-3	10/3/1990	Soil	Subsurface	0.5	1	USEPA 8015M	Fuel Oil #6	Heavy Oil	25 U		Removed from Site
PT-3	PT-3	10/3/1990	Soil	Subsurface	0.5	1	USEPA 8015M	Motor Oil	Heavy Oil	25 U		Removed from Site
PT-4	PT-4	10/3/1990	Soil	Subsurface	0.5	1	USEPA 8015M	Fuel Oil #6	Heavy Oil	25 U		Removed from Site
PT-4	PT-4	10/3/1990	Soil	Subsurface	0.5	1	USEPA 8015M	Motor Oil	Heavy Oil	25 U		Removed from Site
PT-5	PT-5	10/3/1990	Soil	Subsurface	0.5	1	USEPA 8015M	Fuel Oil #6	Heavy Oil	25 U		Removed from Site
PT-5	PT-5	10/3/1990	Soil	Subsurface	0.5	1	USEPA 8015M	Motor Oil	Heavy Oil	25 U		Removed from Site
Rejected Results			Soil									
B-02	B-2/S-3	5/11/1990	Soil	Subsurface	10	11.5	USEPA 418.1	TPH	TPH	1900	R in favor of better data by Method USEPA 8015	USEPA 418.1 is an inappropriate method to analyze mineral spirits because it volatilizes most of the sample up the hood.
B-03	B-3/S-3	5/11/1990	Soil	Subsurface	10.25	11.75	USEPA 418.1	TPH	TPH	1500	R in favor of better data by Method USEPA 8015	USEPA 418.1 is an inappropriate method to analyze mineral spirits because it volatilizes most of the sample up the hood.

Abbreviations:
ft feet
USEPA U.S. Environmental Protection Agency

Qualifiers:
J The analyte was positively identified; the quantitation is an estimation.
JN The analyte was tentatively identified; the quantitiation is an estimate.
U The analyte was analyzed for, but not detected. The associated numerical value is less than or equal to the sample-specific method detection limit (MDL).
R Data was rejected and should not be used

Table H.2
Total Petroleum Hydrocarbon Product Interpretation for Groundwater Samples
(µg/L)

Location	Field Sample ID	Sample Date	Upper Sample Depth (ft)	Lower Sample Depth (ft)	Analytical Method	Parameter	Interpreted Parameter	Value	Aquifer Number	Comment from Dr. Teri Floyd
Diesel Results										
B-30	B-30	9/17/1992	8	15	USEPA 8015M	Diesel #2	Diesel #2	5,000 J	1	
B-10A	B-10A	5/4/1992	9.5	14.5	USEPA 8015M	Diesel #2	Diesel #2	4,000 J	1	
B-11	B-11	5/6/1992	11	13	USEPA 8015M	Diesel #2	Diesel #2	3,000 J	1	
B-29	B-29	5/6/1992	9	14	USEPA 8015M	Diesel #2	Diesel #2	2,000	1	
MW-14	MW-14-57.5	10/21/2010	57.5	57.5	NWTPH-Dx	Diesel #2	Diesel #2	360	2	
B-10A	B-10A	9/16/1992	9.5	14.5	USEPA 8015M	Diesel #2	Diesel #2	4,000 JN	1	Mineral Spirits; use NWTPH-G value
B-36	B-36	9/14/1992	6	11	USEPA 8015M	Diesel #2	Diesel #2	4,000 JN	1	Mineral Spirits; use NWTPH-G value
B-35	B-35	9/14/1992	19.5	29.5	USEPA 8015M	Diesel #2	Diesel #2	2,000 JN	2	Mineral Spirits; use NWTPH-G value
B-01	B-1	10/15/1990	6.5	16.5	USEPA 8015M	Diesel #2	Diesel #2	5,000 U	1	
B-07	B-7	10/8/1990	15	19	USEPA 8015M	Diesel #2	Diesel #2	5,000 U	1	
B-09	B-9	10/8/1990	38.5	43.5	USEPA 8015M	Diesel #2	Diesel #2	5,000 U	2	
B-10	B-10	10/8/1990			USEPA 8015M	Diesel #2	Diesel #2	5,000 U	1	
B-11	B-11	10/8/1990	11	13	USEPA 8015M	Diesel #2	Diesel #2	5,000 U	1	
B-11	B-11	10/15/1990	11	13	USEPA 8015M	Diesel #2	Diesel #2	5,000 U	1	
B-11	B-68 (B-11 DUP)	9/15/1992	11	13	USEPA 8015M	Diesel #2	Diesel #2	5,000 U	1	
B-12	B-12	10/8/1990	10.5	13	USEPA 8015M	Diesel #2	Diesel #2	5,000 U	1	
B-12	B-12	10/15/1990	10.5	13	USEPA 8015M	Diesel #2	Diesel #2	5,000 U	1	
B-12	B-12	9/17/1992	10.5	13	USEPA 8015M	Diesel #2	Diesel #2	5,000 U	1	
B-12	B-12	10/15/1990	10.5	13	USEPA 8015M	Diesel #2	Diesel #2	5,000 U	1	
B-12	B-12	9/17/1992	10.5	13	USEPA 8015M	Diesel #2	Diesel #2	5,000 U	1	
B-13	B-13	10/15/1990	7	12	USEPA 8015M	Diesel #2	Diesel #2	5,000 U	1	
B-30	B-30	5/1/1992	8	15	USEPA 8015M	Diesel #2	Diesel #2	5,000 U	1	
B-30	B-30	5/4/1992	8	15	USEPA 8015M	Diesel #2	Diesel #2	5,000 U	1	
B-31	B-31	5/4/1992	6.5	11.5	USEPA 8015M	Diesel #2	Diesel #2	5,000 U	1	
B-01	B-1	5/6/1992	6.5	16.5	USEPA 8015M	Diesel #2	Diesel #2	1,000 U	1	
B-01	B-1	9/9/1992	6.5	16.5	USEPA 8015M	Diesel #2	Diesel #2	1,000 U	1	
B-05	B-5 DUP	4/30/1992	40	45	USEPA 8015M	Diesel #2	Diesel #2	1,000 U	2	
B-05	B-5	4/30/1992	40	45	USEPA 8015M	Diesel #2	Diesel #2	1,000 U	2	
B-05	B-5	9/9/1992	40	45	USEPA 8015M	Diesel #2	Diesel #2	1,000 U	2	
B-06	B-6	4/29/1992	40.5	45.5	USEPA 8015M	Diesel #2	Diesel #2	1,000 U	2	
B-06	B-6	9/3/1992	40.5	45.5	USEPA 8015M	Diesel #2	Diesel #2	1,000 U	2	
B-08	B-8	5/4/1992	39.5	44.5	USEPA 8015M	Diesel #2	Diesel #2	1,000 U	2	
B-08	B-8	9/16/1992	39.5	44.5	USEPA 8015M	Diesel #2	Diesel #2	1,000 U	2	
B-09	B-9	5/4/1992	38.5	43.5	USEPA 8015M	Diesel #2	Diesel #2	1,000 U	2	
B-30	B-30	9/17/1992	38.5	43.5	USEPA 8015M	Diesel #2	Diesel #2	1,000 J	2	
B-10A	B-10A	5/4/1992	38.5	43.5	USEPA 8015M	Diesel #2	Diesel #2	1,000 J	2	
B-47	B-47	5/6/1992	11	13	USEPA 8015M	Diesel #2	Diesel #2	1,000 J	1	
B-65	B-65	5/6/1992	7	12	USEPA 8015M	Diesel #2	Diesel #2	1,000	1	
MW-15	MW-14-57.6	10/21/2010	7	12	NWTPH-Dx	Diesel #2	Diesel #2	1,000	1	
B-10A	B-10A	9/16/1992	8.5	13.5	USEPA 8015M	Diesel #2	Diesel #2	1,000 JN	1	
B-36	B-36	9/14/1992	8.5	13.5	USEPA 8015M	Diesel #2	Diesel #2	1,000 JN	1	
B-35	B-35	9/14/1992	12	17	USEPA 8015M	Diesel #2	Diesel #2	1,000 JN	1	
Diesel Results (continued)										

Table H.2
Total Petroleum Hydrocarbon Product Interpretation for Groundwater Samples
(µg/L)

Location	Field Sample ID	Sample Date	Upper Sample Depth (ft)	Lower Sample Depth (ft)	Analytical Method	Parameter	Interpreted Parameter	Value	Aquifer Number	Comment from Dr. Teri Floyd
B-01	B-1	10/15/1990	12	17	USEPA 8015M	Diesel #2	Diesel #2	1,000 U	1	
B-07	B-7	10/8/1990	11	16	USEPA 8015M	Diesel #2	Diesel #2	1,000 U	1	
B-09	B-9	10/8/1990	11	16	USEPA 8015M	Diesel #2	Diesel #2	1,000 U	1	
B-10	B-10	10/8/1990	40	50	USEPA 8015M	Diesel #2	Diesel #2	1,000 U	2	
B-11	B-11	10/8/1990	40	50	USEPA 8015M	Diesel #2	Diesel #2	1,000 U	2	
B-11	B-11	10/15/1990	6	16	USEPA 8015M	Diesel #2	Diesel #2	1,000 U	1	
B-11	B-68 (B-11 DUP)	9/15/1992	6	16	USEPA 8015M	Diesel #2	Diesel #2	1,000 U	1	
B-12	B-12	10/8/1990	37.5	47.5	USEPA 8015M	Diesel #2	Diesel #2	1,000 U	2	
B-12	B-12	10/15/1990	37.5	47.5	USEPA 8015M	Diesel #2	Diesel #2	1,000 U	2	
B-12	B-12	9/17/1992	37.5	47.5	USEPA 8015M	Diesel #2	Diesel #2	1,000 U	2	
B-13	B-13	10/15/1990	37.5	47.5	USEPA 8015M	Diesel #2	Diesel #2	1,000 U	2	
B-30	B-30	5/1/1992	6	16	USEPA 8015M	Diesel #2	Diesel #2	1,000 U	1	
B-30	B-30	5/4/1992	6	16	USEPA 8015M	Diesel #2	Diesel #2	1,000 U	1	
B-31	B-31	5/4/1992	38	43	USEPA 8015M	Diesel #2	Diesel #2	1,000 U	2	
B-01	B-1	5/6/1992	38	43	USEPA 8015M	Diesel #2	Diesel #2	1,000 U	2	
B-01	B-1	9/9/1992	7	13	USEPA 8015M	Diesel #2	Diesel #2	1,000 U	1	
B-05	B-5 DUP	4/30/1992	7	13	USEPA 8015M	Diesel #2	Diesel #2	1,000 U	1	
B-05	B-5	4/30/1992	20.5	30.5	USEPA 8015M	Diesel #2	Diesel #2	1,000 U	2	
B-05	B-5	9/9/1992	20.5	30.5	USEPA 8015M	Diesel #2	Diesel #2	1,000 U	2	
B-06	B-6	4/29/1992	20.5	30.5	USEPA 8015M	Diesel #2	Diesel #2	1,000 U	2	
B-06	B-6	9/3/1992	20.5	30.5	USEPA 8015M	Diesel #2	Diesel #2	1,000 U	2	
B-08	B-8	5/4/1992	6	16	USEPA 8015M	Diesel #2	Diesel #2	1,000 U	1	
B-08	B-8	9/16/1992	27	37	USEPA 8015M	Diesel #2	Diesel #2	1,000 U	2	
B-09	B-9	5/4/1992	27	37	USEPA 8015M	Diesel #2	Diesel #2	1,000 U	2	
B-30	B-30	9/17/1992	8.5	13.25	USEPA 8015M	Diesel #2	Diesel #2	1,000 J	1	
B-10A	B-10A	5/4/1992	8.5	13.25	USEPA 8015M	Diesel #2	Diesel #2	1,000 J	1	
B-83	B-83	5/6/1992	42.5	47.5	USEPA 8015M	Diesel #2	Diesel #2	1,000 J	2	
B-101	B-101	5/6/1992	42.5	47.5	USEPA 8015M	Diesel #2	Diesel #2	1,000	2	
MW-16	MW-14-57.7	10/21/2010	42.5	47.5	NWTPH-Dx	Diesel #2	Diesel #2	1,000	2	
B-10A	B-10A	9/16/1992	9	14	USEPA 8015M	Diesel #2	Diesel #2	1,000 JN	1	
B-36	B-36	9/14/1992	9	14	USEPA 8015M	Diesel #2	Diesel #2	1,000 JN	1	
B-35	B-35	9/14/1992	6.5	11.5	USEPA 8015M	Diesel #2	Diesel #2	1,000 JN	1	
B-01	B-1	10/15/1990	28	38	USEPA 8015M	Diesel #2	Diesel #2	1,000 U	2	
B-07	B-7	10/8/1990	28	38	USEPA 8015M	Diesel #2	Diesel #2	1,000 U	2	
B-09	B-9	10/8/1990	7.5	12.5	USEPA 8015M	Diesel #2	Diesel #2	1,000 U	1	
B-10	B-10	10/8/1990	23	28	USEPA 8015M	Diesel #2	Diesel #2	1,000 U	2	
B-11	B-11	10/8/1990	7	12	USEPA 8015M	Diesel #2	Diesel #2	250 U	1	
B-11	B-11	10/15/1990	9	14	USEPA 8015M	Diesel #2	Diesel #2	250 U	1	
B-11	B-68 (B-11 DUP)	9/15/1992	7	14	USEPA 8015M	Diesel #2	Diesel #2	250 U	1	
B-12	B-12	10/8/1990	7	15	USEPA 8015M	Diesel #2	Diesel #2	250 U	1	
Diesel Results (continued)										
B-12	B-12	10/15/1990	7	17	USEPA 8015M	Diesel #2	Diesel #2	250 U	1	

Table H.2
Total Petroleum Hydrocarbon Product Interpretation for Groundwater Samples
(µg/L)

Location	Field Sample ID	Sample Date	Upper Sample Depth (ft)	Lower Sample Depth (ft)	Analytical Method	Parameter	Interpreted Parameter	Value	Aquifer Number	Comment from Dr. Teri Floyd
B-12	B-12	9/17/1992	7	17	USEPA 8015M	Diesel #2	Diesel #2	250 U	1	
B-13	B-13	10/15/1990	7	18	USEPA 8015M	Diesel #2	Diesel #2	250 U	1	
B-30	B-30	5/1/1992	7	18	USEPA 8015M	Diesel #2	Diesel #2	250 U	1	
B-30	B-30	5/4/1992	9	16	USEPA 8015M	Diesel #2	Diesel #2	250 U	1	
B-31	B-31	5/4/1992	9	16	USEPA 8015M	Diesel #2	Diesel #2	250 U	1	
B-01	B-1	5/6/1992	9	16	USEPA 8015M	Diesel #2	Diesel #2	250 U	1	
B-01	B-1	9/9/1992	11	15	USEPA 8015M	Diesel #2	Diesel #2	250 U	1	
B-05	B-5 DUP	4/30/1992	11	15	USEPA 8015M	Diesel #2	Diesel #2	250 U	1	
B-05	B-5	4/30/1992	11	15	USEPA 8015M	Diesel #2	Diesel #2	250 U	1	
B-05	B-5	9/9/1992	15	17.5	USEPA 8015M	Diesel #2	Diesel #2	250 U	1	
B-06	B-6	4/29/1992	14.5	17	USEPA 8015M	Diesel #2	Diesel #2	250 U	1	
B-06	B-6	9/3/1992	13.5	16	USEPA 8015M	Diesel #2	Diesel #2	250 U	1	
B-08	B-8	5/4/1992	13.5	16	USEPA 8015M	Diesel #2	Diesel #2	250 U	1	
B-08	B-8	9/16/1992	15.5	18	USEPA 8015M	Diesel #2	Diesel #2	250 U	1	
B-09	B-9	5/4/1992	15.5	18	USEPA 8015M	Diesel #2	Diesel #2	250 U	1	
B-30	B-30	9/17/1992	15.5	18	USEPA 8015M	Diesel #2	Diesel #2	250 J	1	
B-10A	B-10A	5/4/1992	15.5	18	USEPA 8015M	Diesel #2	Diesel #2	250 J	1	
B-119	B-119	5/6/1992	14.5	17	USEPA 8015M	Diesel #2	Diesel #2	250 J	1	
B-137	B-137	5/6/1992	13.5	16	USEPA 8015M	Diesel #2	Diesel #2	250	1	
B-119	B-119	5/6/1992	14.5	17	USEPA 8015M	Diesel #2	Diesel #2	250 J	1	
B-137	B-137	5/6/1992	13.5	16	USEPA 8015M	Diesel #2	Diesel #2	250	1	
MW-17	MW-14-57.8	10/21/2010	15	17.5	NWTPH-Dx	Diesel #2	Diesel #2	250	1	
B-10A	B-10A	9/16/1992	15	17.5	USEPA 8015M	Diesel #2	Diesel #2	250 JN	1	
B-36	B-36	9/14/1992	15.5	17	USEPA 8015M	Diesel #2	Diesel #2	250 JN	1	
B-35	B-35	9/14/1992	14.5	17	USEPA 8015M	Diesel #2	Diesel #2	250 JN	1	
B-01	B-1	10/15/1990	18	18	USEPA 8015M	Diesel #2	Diesel #2	100 U	1	
B-07	B-7	10/8/1990	15	15	USEPA 8015M	Diesel #2	Diesel #2	100 U	1	
B-09	B-9	10/8/1990	13	13	USEPA 8015M	Diesel #2	Diesel #2	100 U	1	
B-10	B-10	10/8/1990	45	45	USEPA 8015M	Diesel #2	Diesel #2	100 U	2	
B-11	B-11	10/8/1990	55	55	USEPA 8015M	Diesel #2	Diesel #2	100 U	2	
B-11	B-11	10/15/1990	11.5	11.5	USEPA 8015M	Diesel #2	Diesel #2	50 U	1	
B-11	B-68 (B-11 DUP)	9/15/1992	12	12	USEPA 8015M	Diesel #2	Diesel #2	50 U	1	
B-12	B-12	10/8/1990	11	11	USEPA 8015M	Diesel #2	Diesel #2	50 U	1	
B-12	B-12	10/15/1990	11	11	USEPA 8015M	Diesel #2	Diesel #2	50 U	1	
B-12	B-12	9/17/1992	10.5	10.5	USEPA 8015M	Diesel #2	Diesel #2	50 U	1	
B-13	B-13	10/15/1990	10.5	10.5	USEPA 8015M	Diesel #2	Diesel #2	50 U	1	
B-30	B-30	5/1/1992	27.5	27.5	USEPA 8015M	Diesel #2	Diesel #2	50 U	2	
B-30	B-30	5/4/1992	27.5	27.5	USEPA 8015M	Diesel #2	Diesel #2	50 U	2	
B-31	B-31	5/4/1992	11	11	USEPA 8015M	Diesel #2	Diesel #2	50 U	1	
B-01	B-1	5/6/1992	41.5	41.5	USEPA 8015M	Diesel #2	Diesel #2	50 U	2	
B-01	B-1	9/9/1992	10.5	10.5	USEPA 8015M	Diesel #2	Diesel #2	50 U	1	
Diesel Results (continued)										
B-05	B-5 DUP	4/30/1992	40.5	40.5	USEPA 8015M	Diesel #2	Diesel #2	50 U	2	
B-05	B-5	4/30/1992	24	24	USEPA 8015M	Diesel #2	Diesel #2	50 U	2	

Table H.2
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(µg/L)

Location	Field Sample ID	Sample Date	Upper Sample Depth (ft)	Lower Sample Depth (ft)	Analytical Method	Parameter	Interpreted Parameter	Value	Aquifer Number	Comment from Dr. Teri Floyd
B-05	B-5	9/9/1992	67.5	67.5	USEPA 8015M	Diesel #2	Diesel #2	50 U	2	
B-06	B-6	4/29/1992	57.5	57.5	USEPA 8015M	Diesel #2	Diesel #2	50 U	2	
B-06	B-6	9/3/1992	35	35	USEPA 8015M	Diesel #2	Diesel #2	50 U	2	
Heavy Oil Results										
B-30	B-30-012910	1/29/2010	15	15	NWTPH-Dx	Heavy Oil	Heavy Oil	1,100	1	
B-47	B-47-012910	1/29/2010	13	13	NWTPH-Dx	Heavy Oil	Heavy Oil	790	1	
MW-14	MW-14-57.5	10/21/2010	57.5	57.5	NWTPH-Dx	Lube Oil	Heavy Oil	710	2	
NW-6	NW-6	7/13/2000	13.5	16	NWTPH-Dx	Heavy Fuel Oil	Heavy Oil	660	1	
HC-2	HC-2	12/12/1997	11	15	NWTPH-Dx	Heavy Oil	Heavy Oil	820	1	
B-15	B-15-012910	1/29/2010	18	18	NWTPH-Dx	Heavy Oil	Heavy Oil	130 J	1	
B-11	B-68 (B-11 DUP)	9/15/1992	11	13	USEPA 8015M	Motor Oil	Heavy Oil	100,000 U	1	
B-12	B-12	9/17/1992	10.5	13	USEPA 8015M	Motor Oil	Heavy Oil	100,000 U	1	
B-01	B-1	9/9/1992	6.5	16.5	USEPA 8015M	Motor Oil	Heavy Oil	20,000 U	1	
B-05	B-5	9/9/1992	40	45	USEPA 8015M	Motor Oil	Heavy Oil	20,000 U	2	
B-06	B-6	9/3/1992	40.5	45.5	USEPA 8015M	Motor Oil	Heavy Oil	20,000 U	2	
B-08	B-8	9/16/1992	39.5	44.5	USEPA 8015M	Motor Oil	Heavy Oil	20,000 U	2	
B-09	B-9	9/16/1992	38.5	43.5	USEPA 8015M	Motor Oil	Heavy Oil	20,000 U	2	
B-09	B-69 (B-9 DUP)	9/16/1992	38.5	43.5	USEPA 8015M	Motor Oil	Heavy Oil	20,000 U	2	
B-10A	B-10A	9/16/1992	9.5	14.5	USEPA 8015M	Motor Oil	Heavy Oil	20,000 U	1	
B-11	B-11	9/15/1992	11	13	USEPA 8015M	Motor Oil	Heavy Oil	20,000 U	1	
B-13	B-13	9/16/1992	7	12	USEPA 8015M	Motor Oil	Heavy Oil	20,000 U	1	
B-14	B-14	9/9/1992	8.5	13.5	USEPA 8015M	Motor Oil	Heavy Oil	20,000 U	1	
B-15	B-15	9/14/1992	12	17	USEPA 8015M	Motor Oil	Heavy Oil	20,000 U	1	
B-16	B-16	9/9/1992	11	16	USEPA 8015M	Motor Oil	Heavy Oil	20,000 U	1	
B-17	B-17	9/9/1992	40	50	USEPA 8015M	Motor Oil	Heavy Oil	20,000 U	2	
B-18	B-18	9/10/1992	6	16	USEPA 8015M	Motor Oil	Heavy Oil	20,000 U	1	
B-19	B-66 (B-19 DUP)	9/10/1992	37.5	47.5	USEPA 8015M	Motor Oil	Heavy Oil	20,000 U	2	
B-19	B-19	9/10/1992	37.5	47.5	USEPA 8015M	Motor Oil	Heavy Oil	20,000 U	2	
B-20	B-20	9/10/1992	6	16	USEPA 8015M	Motor Oil	Heavy Oil	20,000 U	1	
B-21	B-21	9/10/1992	38	43	USEPA 8015M	Motor Oil	Heavy Oil	20,000 U	2	
B-22	B-22	9/11/1992	7	13	USEPA 8015M	Motor Oil	Heavy Oil	20,000 U	1	
B-23	B-23	9/11/1992	20.5	30.5	USEPA 8015M	Motor Oil	Heavy Oil	20,000 U	2	
B-23	B-67 (B-23 DUP)	9/11/1992	20.5	30.5	USEPA 8015M	Motor Oil	Heavy Oil	20,000 U	2	
B-24	B-24	9/3/1992	6	16	USEPA 8015M	Motor Oil	Heavy Oil	20,000 U	1	
B-25	B-25	9/3/1992	27	37	USEPA 8015M	Motor Oil	Heavy Oil	20,000 U	2	
B-26	B-26	9/3/1992	8.5	13.25	USEPA 8015M	Motor Oil	Heavy Oil	20,000 U	1	
Heavy Oil Results (continued)										
B-27	B-27	9/3/1992	42.5	47.5	USEPA 8015M	Motor Oil	Heavy Oil	20,000 U	2	
B-27	B-65 (B-27 DUP)	9/3/1992	42.5	47.5	USEPA 8015M	Motor Oil	Heavy Oil	20,000 U	2	
B-28	B-28	9/3/1992	9	14	USEPA 8015M	Motor Oil	Heavy Oil	20,000 U	1	

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B-30	B-30	9/17/1992	8	15	USEPA 8015M	Motor Oil	Heavy Oil	20,000 U	1	
B-31	B-31	9/15/1992	6.5	11.5	USEPA 8015M	Motor Oil	Heavy Oil	20,000 U	1	
B-33A	B-33A	9/21/1992	28	38	USEPA 8015M	Motor Oil	Heavy Oil	20,000 U	2	
B-33A	B-70 (B-33A DUP)	9/21/1992	28	38	USEPA 8015M	Motor Oil	Heavy Oil	20,000 U	2	
B-34	B-34	9/21/1992	7.5	12.5	USEPA 8015M	Motor Oil	Heavy Oil	20,000 U	1	
B-35	B-35	9/14/1992	19.5	29.5	USEPA 8015M	Motor Oil	Heavy Oil	20,000 U	2	
B-36	B-36	9/14/1992	6	11	USEPA 8015M	Motor Oil	Heavy Oil	20,000 U	1	
B-37	B-37	9/14/1992	23	28	USEPA 8015M	Motor Oil	Heavy Oil	20,000 U	2	
B-38	B-38	9/14/1992	6	16	USEPA 8015M	Motor Oil	Heavy Oil	20,000 U	1	
B-01	B-1	10/15/1990	6.5	16.5	USEPA 8015M	Fuel Oil #6	Heavy Oil	5,000 U	1	
B-11	B-11	10/15/1990	11	13	USEPA 8015M	Fuel Oil #6	Heavy Oil	5,000 U	1	
B-12	B-12	10/15/1990	10.5	13	USEPA 8015M	Fuel Oil #6	Heavy Oil	5,000 U	1	
B-13	B-13	10/15/1990	7	12	USEPA 8015M	Fuel Oil #6	Heavy Oil	5,000 U	1	
B-01	B-1	10/15/1990	6.5	16.5	USEPA 8015M	Motor Oil	Heavy Oil	5,000 U	1	
B-07	B-7	10/8/1990	15	19	USEPA 8015M	Motor Oil	Heavy Oil	5,000 U	1	
B-09	B-9	10/8/1990	38.5	43.5	USEPA 8015M	Motor Oil	Heavy Oil	5,000 U	2	
B-10	B-10	10/8/1990			USEPA 8015M	Motor Oil	Heavy Oil	5,000 U	1	
B-11	B-11	10/8/1990	11	13	USEPA 8015M	Motor Oil	Heavy Oil	5,000 U	1	
B-11	B-11	10/15/1990	11	13	USEPA 8015M	Motor Oil	Heavy Oil	5,000 U	1	
B-12	B-12	10/8/1990	10.5	13	USEPA 8015M	Motor Oil	Heavy Oil	5,000 U	1	
B-12	B-12	10/15/1990	10.5	13	USEPA 8015M	Motor Oil	Heavy Oil	5,000 U	1	
B-13	B-13	10/15/1990	7	12	USEPA 8015M	Motor Oil	Heavy Oil	5,000 U	1	
HC-1	HC-1	2/2/1998	9	16	NWTPH-Dx	Fuel Oil #6	Heavy Oil	500 U	1	
HC-2	HC-2	2/2/1998	11	15	NWTPH-Dx	Fuel Oil #6	Heavy Oil	500 U	1	
B-13	B-13	7/17/2000	7	12	NWTPH-Dx	Heavy Fuel Oil	Heavy Oil	500 U	1	
B-28	B-28	7/17/2000	9	14	NWTPH-Dx	Heavy Fuel Oil	Heavy Oil	500 U	1	
B-53	B-53	7/17/2000	7	14	NWTPH-Dx	Heavy Fuel Oil	Heavy Oil	500 U	1	
B-54	B-54	7/17/2000	7	15	NWTPH-Dx	Heavy Fuel Oil	Heavy Oil	500 U	1	
B-55	B-55	7/17/2000	7	17	NWTPH-Dx	Heavy Fuel Oil	Heavy Oil	500 U	1	
B-56	B-56	7/17/2000	7	17	NWTPH-Dx	Heavy Fuel Oil	Heavy Oil	500 U	1	
B-57	071700-Duplicate 1	7/17/2000	7	18	NWTPH-Dx	Heavy Fuel Oil	Heavy Oil	500 U	1	
B-57	B-57	7/17/2000	7	18	NWTPH-Dx	Heavy Fuel Oil	Heavy Oil	500 U	1	
HC-1	HC-1	3/3/1998	9	16	NWTPH-Dx	Heavy Fuel Oil	Heavy Oil	500 U	1	
HC-2	HC-2	3/3/1998	11	15	NWTPH-Dx	Heavy Fuel Oil	Heavy Oil	500 U	1	
NW-1	NW-1	7/13/2000	15	17.5	NWTPH-Dx	Heavy Fuel Oil	Heavy Oil	500 U	1	
Heavy Oil Results (continued)										
NW-10	NW-10	7/14/2000	14.5	17	NWTPH-Dx	Heavy Fuel Oil	Heavy Oil	500 U	1	
NW-11	NW-11	7/14/2000	13.5	16	NWTPH-Dx	Heavy Fuel Oil	Heavy Oil	500 U	1	
NW-12	NW-12	7/14/2000	13.5	16	NWTPH-Dx	Heavy Fuel Oil	Heavy Oil	500 U	1	
NW-2	071300-Duplicate 1	7/13/2000	15.5	18	NWTPH-Dx	Heavy Fuel Oil	Heavy Oil	500 U	1	

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NW-2	NW-2	7/13/2000	15.5	18	NWTPH-Dx	Heavy Fuel Oil	Heavy Oil	500 U	1	
NW-3	NW-3	7/13/2000	15.5	18	NWTPH-Dx	Heavy Fuel Oil	Heavy Oil	500 U	1	
NW-4	NW-4	7/13/2000	15.5	18	NWTPH-Dx	Heavy Fuel Oil	Heavy Oil	500 U	1	
NW-5	NW-5	7/13/2000	14.5	17	NWTPH-Dx	Heavy Fuel Oil	Heavy Oil	500 U	1	
NW-7	NW-7	7/14/2000	15	17.5	NWTPH-Dx	Heavy Fuel Oil	Heavy Oil	500 U	1	
NW-8	NW-8	7/14/2000	15.5	17	NWTPH-Dx	Heavy Fuel Oil	Heavy Oil	500 U	1	
NW-9	NW-9	7/14/2000	14.5	17	NWTPH-Dx	Heavy Fuel Oil	Heavy Oil	500 U	1	
HC-1	HC-1	2/2/1998	9	16	NWTPH-Dx	Heavy Oil	Heavy Oil	500 U	1	
HC-2	HC-2	2/2/1998	11	15	NWTPH-Dx	Heavy Oil	Heavy Oil	500 U	1	
HC-1	HC-1	2/2/1998	9	16	NWTPH-Dx	Hydraulic Oil	Heavy Oil	500 U	1	
HC-2	HC-2	2/2/1998	11	15	NWTPH-Dx	Hydraulic Oil	Heavy Oil	500 U	1	
HC-1	HC-1	3/3/1998	9	16	NWTPH-Dx	Insulating Oil	Heavy Oil	500 U	1	
HC-2	HC-2	3/3/1998	11	15	NWTPH-Dx	Insulating Oil	Heavy Oil	500 U	1	
HC-1	HC-1	3/3/1998	9	16	NWTPH-Dx	Lube Oil	Heavy Oil	500 U	1	
HC-2	HC-2	3/3/1998	11	15	NWTPH-Dx	Lube Oil	Heavy Oil	500 U	1	
HC-1	HC-1	2/2/1998	9	16	NWTPH-Dx	Motor Oil	Heavy Oil	500 U	1	
HC-2	HC-2	2/2/1998	11	15	NWTPH-Dx	Motor Oil	Heavy Oil	500 U	1	
B-15	B-15-012910	1/29/2010	18	18	NWTPH-Dx	Lube Oil	Heavy Oil	200 U	1	
B-30	B-30-012910	1/29/2010	15	15	NWTPH-Dx	Lube Oil	Heavy Oil	200 U	1	
B-47	B-47-012910	1/29/2010	13	13	NWTPH-Dx	Lube Oil	Heavy Oil	200 U	1	
GP-57	GP-57-45W	12/29/2008	45	45	NWTPH-Dx	Lube Oil	Heavy Oil	200 U	2	
GP-57	GP-57-55W	12/29/2008	55	55	NWTPH-Dx	Lube Oil	Heavy Oil	200 U	2	
B-10A	B-10A-11.5	10/20/2010	11.5	11.5	NWTPH-Dx	Lube Oil	Heavy Oil	100 U	1	
B-11	B-11-12	10/20/2010	12	12	NWTPH-Dx	Lube Oil	Heavy Oil	100 U	1	
B-18	B-18-11	10/21/2010	11	11	NWTPH-Dx	Lube Oil	Heavy Oil	100 U	1	
B-39	B-39-11	10/20/2010	11	11	NWTPH-Dx	Lube Oil	Heavy Oil	100 U	1	
B-52	B-52-10.5	10/20/2010	10.5	10.5	NWTPH-Dx	Lube Oil	Heavy Oil	100 U	1	
B-58	B-58-10.5	10/21/2010	10.5	10.5	NWTPH-Dx	Lube Oil	Heavy Oil	100 U	1	
B-59	B-59C-27	10/21/2010	27.5	27.5	NWTPH-Dx	Lube Oil	Heavy Oil	100 U	2	
B-59	B-59-27.5	10/21/2010	27.5	27.5	NWTPH-Dx	Lube Oil	Heavy Oil	100 U	2	
B-60	B-60-11	10/21/2010	11	11	NWTPH-Dx	Lube Oil	Heavy Oil	100 U	1	
B-61	B-61-41.5	10/21/2010	41.5	41.5	NWTPH-Dx	Lube Oil	Heavy Oil	100 U	2	
B-62	B-62-10.5	10/21/2010	10.5	10.5	NWTPH-Dx	Lube Oil	Heavy Oil	100 U	1	
B-63	B-63-40.5	10/21/2010	40.5	40.5	NWTPH-Dx	Lube Oil	Heavy Oil	100 U	2	
Heavy Oil Results (continued)										
MW-10	MW-10-24	10/20/2010	24	24	NWTPH-Dx	Lube Oil	Heavy Oil	100 U	2	
MW-13	MW-13-67.5	10/20/2010	67.5	67.5	NWTPH-Dx	Lube Oil	Heavy Oil	100 U	2	
PTM-2L	PTM-2L-35	10/20/2010	35	35	NWTPH-Dx	Lube Oil	Heavy Oil	100 U	2	
B-15	B-15-012910	1/29/2010	18	18	NWTPH-Dx	Paraffin Oils	Heavy Oil	100 U	1	
B-30	B-30-012910	1/29/2010	15	15	NWTPH-Dx	Paraffin Oils	Heavy Oil	100 U	1	

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B-47	B-47-012910	1/29/2010	13	13	NWTPH-Dx	Paraffin Oils	Heavy Oil	100 U	1	
GP-57	GP-57-45W	12/29/2008	45	45	NWTPH-Dx	Paraffin Oils	Heavy Oil	100 U	2	
GP-57	GP-57-55W	12/29/2008	55	55	NWTPH-Dx	Paraffin Oils	Heavy Oil	100 U	2	
B-10A	B-10A-11.5	10/20/2010	11.5	11.5	NWTPH-Dx	Paraffin Oils	Heavy Oil	50 U	1	
B-11	B-11-12	10/20/2010	12	12	NWTPH-Dx	Paraffin Oils	Heavy Oil	50 U	1	
B-18	B-18-11	10/21/2010	11	11	NWTPH-Dx	Paraffin Oils	Heavy Oil	50 U	1	
B-39	B-39-11	10/20/2010	11	11	NWTPH-Dx	Paraffin Oils	Heavy Oil	50 U	1	
B-52	B-52-10.5	10/20/2010	10.5	10.5	NWTPH-Dx	Paraffin Oils	Heavy Oil	50 U	1	
B-58	B-58-10.5	10/21/2010	10.5	10.5	NWTPH-Dx	Paraffin Oils	Heavy Oil	50 U	1	
B-59	B-59C-27	10/21/2010	27.5	27.5	NWTPH-Dx	Paraffin Oils	Heavy Oil	50 U	2	
B-59	B-59-27.5	10/21/2010	27.5	27.5	NWTPH-Dx	Paraffin Oils	Heavy Oil	50 U	2	
B-60	B-60-11	10/21/2010	11	11	NWTPH-Dx	Paraffin Oils	Heavy Oil	50 U	1	
B-61	B-61-41.5	10/21/2010	41.5	41.5	NWTPH-Dx	Paraffin Oils	Heavy Oil	50 U	2	
B-62	B-62-10.5	10/21/2010	10.5	10.5	NWTPH-Dx	Paraffin Oils	Heavy Oil	50 U	1	
B-63	B-63-40.5	10/21/2010	40.5	40.5	NWTPH-Dx	Paraffin Oils	Heavy Oil	50 U	2	
MW-10	MW-10-24	10/20/2010	24	24	NWTPH-Dx	Paraffin Oils	Heavy Oil	50 U	2	
MW-13	MW-13-67.5	10/20/2010	67.5	67.5	NWTPH-Dx	Paraffin Oils	Heavy Oil	50 U	2	
MW-14	MW-14-57.5	10/21/2010	57.5	57.5	NWTPH-Dx	Paraffin Oils	Heavy Oil	50 U	2	
PTM-2L	PTM-2L-35	10/20/2010	35	35	NWTPH-Dx	Paraffin Oils	Heavy Oil	50 U	2	
B-07	B-7	10/8/1990	15	19	USEPA 8015M	Fuel Oil #6	Heavy Oil	5 U	1	
B-09	B-9	10/8/1990	38.5	43.5	USEPA 8015M	Fuel Oil #6	Heavy Oil	5 U	2	
B-10	B-10	10/8/1990			USEPA 8015M	Fuel Oil #6	Heavy Oil	5 U	1	
B-11	B-11	10/8/1990	11	13	USEPA 8015M	Fuel Oil #6	Heavy Oil	5 U	1	
B-12	B-12	10/8/1990	10.5	13	USEPA 8015M	Fuel Oil #6	Heavy Oil	5 U	1	
HC-1	HC-1	12/12/1997	9	16	NWTPH-Dx	Heavy Oil	Heavy Oil	750 U	1	
Mineral Spirits and Gasoline-range Total Petroleum Hydrocarbons										
B-12	B-12	10/15/1990	10.5	13	USEPA 8015M	Light Hydrocarbons	Mineral Spirits	230,000	1	
B-30	B-30	5/1/1992	8	15	USEPA 8015M	Gasoline-range	Mineral Spirits	120,000	1	
B-30	B-30	5/4/1992	8	15	USEPA 8015M	Gasoline-range	Mineral Spirits	120,000	1	
B-11	B-68 (B-11 DUP)	9/15/1992	11	13	USEPA 8015M	Gasoline-range	Mineral Spirits	100,000	1	
B-11	B-11	9/15/1992	11	13	USEPA 8015M	Gasoline-range	Mineral Spirits	100,000	1	
B-31	B-31	5/4/1992	6.5	11.5	USEPA 8015M	Gasoline-range	Mineral Spirits	100,000	1	
B-12	B-12	9/17/1992	10.5	13	USEPA 8015M	Gasoline-range	Mineral Spirits	70,000 J	1	
Mineral Spirits and Gasoline-range Total Petroleum Hydrocarbons (continued)										
B-30	B-30	9/17/1992	8	15	USEPA 8015M	Gasoline-range	Mineral Spirits	69,000	1	
WH-7	WH-7	8/10/2000	12	17	NWTPH-Gx	Gasoline-range	Mineral Spirits	66,000	1	
B-15	B-15	4/29/1992	12	17	USEPA 8015M	Gasoline-range	Mineral Spirits	64,000	1	
B-38	B-38	9/14/1992	6	16	UNK	Thinner	Mineral Spirits	54,000	1	
B-11	B-11	5/6/1992	11	13	USEPA 8015M	Gasoline-range	Mineral Spirits	48,000	1	
B-15	B-15	9/14/1992	12	17	USEPA 8015M	Gasoline-range	Mineral Spirits	45,000	1	

Table H.2
Total Petroleum Hydrocarbon Product Interpretation for Groundwater Samples
(µg/L)

Location	Field Sample ID	Sample Date	Upper Sample Depth (ft)	Lower Sample Depth (ft)	Analytical Method	Parameter	Interpreted Parameter	Value	Aquifer Number	Comment from Dr. Teri Floyd
WH-6	WH-6	8/10/2000	12	17	NWTPH-Gx	Gasoline-range	Mineral Spirits	18,000	1	
B-11	B-11	10/15/1990	11	13	USEPA 8015M	Light Hydrocarbons	Mineral Spirits	17,000	1	
B-10A	B-10A	5/4/1992	9.5	14.5	USEPA 8015M	Gasoline-range	Mineral Spirits	15,000	1	
WH-12	WH-12	8/11/2000			NWTPH-Gx	Gasoline-range	Mineral Spirits	11,000		
WH-8	WH-8	8/11/2000	12.5	17.5	NWTPH-Gx	Gasoline-range	Mineral Spirits	10,000	1	
B-08	B-8	9/16/1992	39.5	44.5	USEPA 8015M	Gasoline-range	Mineral Spirits	10,000 J	2	
B-29	B-29	5/6/1992	9	14	USEPA 8015M	Gasoline-range	Mineral Spirits	9,000	1	
B-13	B-13	5/1/1992	7	12	USEPA 8015M	Gasoline-range	Mineral Spirits	8,000	1	
B-20	B-20	9/10/1992	6	16	USEPA 8015M	Gasoline-range	Mineral Spirits	8,000	1	
B-21	B-21	5/1/1992	38	43	USEPA 8015M	Gasoline-range	Mineral Spirits	8,000	2	
B-21	B-21	9/10/1992	38	43	USEPA 8015M	Gasoline-range	Mineral Spirits	8,000	2	
B-16	B-16	9/9/1992	11	16	USEPA 8015M	Gasoline-range	Mineral Spirits	7,000	1	
WH-4	WH-4	8/10/2000	8	13	NWTPH-Gx	Gasoline-range	Mineral Spirits	6,500	1	
WH-5	WH-5	8/10/2000	11	16	NWTPH-Gx	Gasoline-range	Mineral Spirits	6,500	1	
B-30	B-30-012910	1/29/2010	15	15	NWTPH-Gx	Gasoline-range	Mineral Spirits	6,400	1	
B-10A	B-10A-11.5	10/20/2010	11.5	11.5	NWTPH-Gx	Mineral Spirits	Mineral Spirits	4,600	1	
WH-2	WH-2	8/10/2000	7.5	12.5	NWTPH-Gx	Gasoline-range	Mineral Spirits	4,300	1	
B-10A	B-10A	9/16/1992	9.5	14.5	USEPA 8015M	Gasoline-range	Mineral Spirits	4,000	1	
B-60	B-60	8/10/2000	7	12	NWTPH-Gx	Gasoline-range	Mineral Spirits	4,000	1	
WH-10	WH-10	8/11/2000	12	17	NWTPH-Gx	Gasoline-range	Mineral Spirits	3,400	1	
B-08	B-8	5/4/1992	39.5	44.5	USEPA 8015M	Gasoline-range	Mineral Spirits	3,000	2	
B-13	B-13	9/16/1992	7	12	USEPA 8015M	Gasoline-range	Mineral Spirits	2,000	1	
MW-10	MW-10-24	10/20/2010	24	24	NWTPH-Gx	Mineral Spirits	Mineral Spirits	1,800	2	
WH-1	WH-1	8/10/2000	7	12	NWTPH-Gx	Gasoline-range	Mineral Spirits	1,800	1	
MW-13	MW-13-67.5	10/20/2010	67.5	67.5	NWTPH-Gx	Mineral Spirits	Mineral Spirits	1,700	2	
B-54	B-54	7/17/2000	7	15	NWTPH-Gx	Gasoline-range	Mineral Spirits	1,600	1	
B-13	B-13	7/17/2000	7	12	NWTPH-Gx	Gasoline-range	Mineral Spirits	1,500	1	
B-39	B-39-11	10/20/2010	11	11	NWTPH-Gx	Mineral Spirits	Mineral Spirits	1,400	1	
WH-11	WH-11	8/11/2000	7.5	12.5	NWTPH-Gx	Gasoline-range	Mineral Spirits	1,300	1	
B-14	B-14	9/9/1992	8.5	13.5	USEPA 8015M	Gasoline-range	Mineral Spirits	1,000	1	
B-18	B-18	9/10/1992	6	16	USEPA 8015M	Gasoline-range	Mineral Spirits	1,000	1	
B-20	B-20	5/1/1992	6	16	USEPA 8015M	Gasoline-range	Mineral Spirits	1,000	1	
Mineral Spirits and Gasoline-range Total Petroleum Hydrocarbons (continued)										
B-22	B-22	9/11/1992	7	13	USEPA 8015M	Gasoline-range	Mineral Spirits	1,000	1	
B-47	B-47-012910	1/29/2010	13	13	NWTPH-Gx	Gasoline-range	Mineral Spirits	780	1	
GP-40	GP-40-50W	12/12/2008	50	50	NWTPH-Gx	Gasoline-range	Mineral Spirits	750	2	
B-52	B-52-10.5	10/20/2010	10.5	10.5	NWTPH-Gx	Mineral Spirits	Mineral Spirits	680	1	
MW-14	MW-14-57.5	10/21/2010	57.5	57.5	NWTPH-Gx	Mineral Spirits	Mineral Spirits	650	2	
B-18	B-18	8/11/2000	6	16	NWTPH-Gx	Gasoline-range	Mineral Spirits	560	1	
B-56	B-56	7/17/2000	7	17	NWTPH-Gx	Gasoline-range	Mineral Spirits	550	1	

Table H.2
Total Petroleum Hydrocarbon Product Interpretation for Groundwater Samples
(µg/L)

Location	Field Sample ID	Sample Date	Upper Sample Depth (ft)	Lower Sample Depth (ft)	Analytical Method	Parameter	Interpreted Parameter	Value	Aquifer Number	Comment from Dr. Teri Floyd
B-55	B-55	7/17/2000	7	17	NWTPH-Gx	Gasoline-range	Mineral Spirits	500	1	
PTM-2L	PTM-2L-35	10/20/2010	35	35	NWTPH-Gx	Mineral Spirits	Mineral Spirits	500	2	
B-57	071700-Duplicate 1	7/17/2000	7	18	NWTPH-Gx	Gasoline-range	Mineral Spirits	480	1	
B-57	B-57	7/17/2000	7	18	NWTPH-Gx	Gasoline-range	Mineral Spirits	460	1	
B-53	B-53	7/17/2000	7	14	NWTPH-Gx	Gasoline-range	Mineral Spirits	420	1	
B-53	B-53 DUP	7/17/2000	7	14	NWTPH-Gx	Gasoline-range	Mineral Spirits	388	1	
B-07	B-7	10/8/1990	15	19	USEPA 8015M	Light Hydrocarbons	Mineral Spirits	270	1	
GP-57	GP-57-55W	12/29/2008	55	55	NWTPH-Dx	Mineral Spirits	Mineral Spirits	240	2	
B-62	B-62-10.5	10/21/2010	10.5	10.5	NWTPH-Gx	Mineral Spirits	Mineral Spirits	230	1	
B-15	B-15-012910	1/29/2010	18	18	NWTPH-Gx	Gasoline-range	Mineral Spirits	190	1	
GP-40	GP-140-60W	12/12/2008	60	60	NWTPH-Gx	Gasoline-range	Mineral Spirits	160	2	
GP-40	GP-40-60W	12/12/2008	60	60	NWTPH-Gx	Gasoline-range	Mineral Spirits	150	2	
B-63	B-63-40.5	10/21/2010	40.5	40.5	NWTPH-Gx	Mineral Spirits	Mineral Spirits	140	2	
GP-57	GP-57-45W	12/29/2008	45	45	NWTPH-Dx	Mineral Spirits	Mineral Spirits	130	2	
B-61	B-61-41.5	10/21/2010	41.5	41.5	NWTPH-Gx	Mineral Spirits	Mineral Spirits	80	2	
B-12	B-12	10/8/1990	10.5	13	USEPA 8015M	Light Hydrocarbons	Mineral Spirits	75	1	
B-10A	B-10A-11.5	10/20/2010	11.5	11.5	NWTPH-Gx	Gasoline-range	Mineral Spirits	50	1	
B-10A	B-10A-11.5	10/20/2010	11.5	11.5	NWTPH-Gx	Gasoline-range	Mineral Spirits	50	1	
B-10A	B-10A-11.5	10/20/2010	11.5	11.5	NWTPH-Gx	Gasoline-range	Mineral Spirits	50	1	
B-58	B-58-10.5	10/21/2010	10.5	10.5	NWTPH-Gx	Gasoline-range	Mineral Spirits	50	1	
B-58	B-58-10.5	10/21/2010	10.5	10.5	NWTPH-Gx	Gasoline-range	Mineral Spirits	50	1	
B-58	B-58-10.5	10/21/2010	10.5	10.5	NWTPH-Gx	Mineral Spirits	Mineral Spirits	50	1	
B-11	B-68 (B-11 DUP)	9/15/1992	11	13	USEPA 8015M	Thinner	Mineral Spirits	25,000 U	1	
B-12	B-12	9/17/1992	10.5	13	USEPA 8015M	Thinner	Mineral Spirits	25,000 U	1	
B-01	B-1	10/15/1990	6.5	16.5	USEPA 8015M	Kerosene	Mineral Spirits	5,000 U	1	
B-01	B-1	10/15/1990	6.5	16.5	USEPA 8015M	Light Hydrocarbons	Mineral Spirits	5,000 U	1	
B-01	B-1	9/9/1992	6.5	16.5	USEPA 8015M	Thinner	Mineral Spirits	5,000 U	1	
B-05	B-5	9/9/1992	40	45	USEPA 8015M	Thinner	Mineral Spirits	5,000 U	2	
B-06	B-6	9/3/1992	40.5	45.5	USEPA 8015M	Thinner	Mineral Spirits	5,000 U	2	
B-08	B-8	9/16/1992	39.5	44.5	USEPA 8015M	Thinner	Mineral Spirits	5,000 U	2	
B-09	B-9	9/16/1992	38.5	43.5	USEPA 8015M	Thinner	Mineral Spirits	5,000 U	2	
B-09	B-69 (B-9 DUP)	9/16/1992	38.5	43.5	USEPA 8015M	Thinner	Mineral Spirits	5,000 U	2	
Mineral Spirits and Gasoline-range Total Petroleum Hydrocarbons (continued)										
B-10A	B-10A	9/16/1992	9.5	14.5	USEPA 8015M	Thinner	Mineral Spirits	5,000 U	1	
B-11	B-11	10/15/1990	11	13	USEPA 8015M	Kerosene	Mineral Spirits	5,000 U	1	
B-11	B-11	9/15/1992	11	13	USEPA 8015M	Thinner	Mineral Spirits	5,000 U	1	
B-12	B-12	10/15/1990	10.5	13	USEPA 8015M	Kerosene	Mineral Spirits	5,000 U	1	
B-13	B-13	10/15/1990	7	12	USEPA 8015M	Kerosene	Mineral Spirits	5,000 U	1	
B-13	B-13	10/15/1990	7	12	USEPA 8015M	Light Hydrocarbons	Mineral Spirits	5,000 U	1	
B-13	B-13	9/16/1992	7	12	USEPA 8015M	Thinner	Mineral Spirits	5,000 U	1	
B-14	B-14	9/9/1992	8.5	13.5	USEPA 8015M	Thinner	Mineral Spirits	5,000 U	1	

Table H.2
Total Petroleum Hydrocarbon Product Interpretation for Groundwater Samples
(µg/L)

Location	Field Sample ID	Sample Date	Upper Sample Depth (ft)	Lower Sample Depth (ft)	Analytical Method	Parameter	Interpreted Parameter	Value	Aquifer Number	Comment from Dr. Teri Floyd
B-15	B-15	9/14/1992	12	17	USEPA 8015M	Thinner	Mineral Spirits	5,000 U	1	
B-16	B-16	9/9/1992	11	16	USEPA 8015M	Thinner	Mineral Spirits	5,000 U	1	
B-17	B-17	9/9/1992	40	50	USEPA 8015M	Thinner	Mineral Spirits	5,000 U	2	
B-18	B-18	9/10/1992	6	16	USEPA 8015M	Thinner	Mineral Spirits	5,000 U	1	
B-19	B-66 (B-19 DUP)	9/10/1992	37.5	47.5	USEPA 8015M	Thinner	Mineral Spirits	5,000 U	2	
B-19	B-19	9/10/1992	37.5	47.5	USEPA 8015M	Thinner	Mineral Spirits	5,000 U	2	
B-20	B-20	9/10/1992	6	16	USEPA 8015M	Thinner	Mineral Spirits	5,000 U	1	
B-21	B-21	9/10/1992	38	43	USEPA 8015M	Thinner	Mineral Spirits	5,000 U	2	
B-22	B-22	9/11/1992	7	13	USEPA 8015M	Thinner	Mineral Spirits	5,000 U	1	
B-23	B-23	9/11/1992	20.5	30.5	USEPA 8015M	Thinner	Mineral Spirits	5,000 U	2	
B-23	B-67 (B-23 DUP)	9/11/1992	20.5	30.5	USEPA 8015M	Thinner	Mineral Spirits	5,000 U	2	
B-24	B-24	9/3/1992	6	16	USEPA 8015M	Thinner	Mineral Spirits	5,000 U	1	
B-25	B-25	9/3/1992	27	37	USEPA 8015M	Thinner	Mineral Spirits	5,000 U	2	
B-26	B-26	9/3/1992	8.5	13.25	USEPA 8015M	Thinner	Mineral Spirits	5,000 U	1	
B-27	B-27	9/3/1992	42.5	47.5	USEPA 8015M	Thinner	Mineral Spirits	5,000 U	2	
B-27	B-65 (B-27 DUP)	9/3/1992	42.5	47.5	USEPA 8015M	Thinner	Mineral Spirits	5,000 U	2	
B-28	B-28	9/3/1992	9	14	USEPA 8015M	Thinner	Mineral Spirits	5,000 U	1	
B-30	B-30	9/17/1992	8	15	USEPA 8015M	Thinner	Mineral Spirits	5,000 U	1	
B-31	B-31	9/15/1992	6.5	11.5	USEPA 8015M	Thinner	Mineral Spirits	5,000 U	1	
B-33A	B-70 (B-33A DUP)	9/21/1992	28	38	USEPA 8015M	Thinner	Mineral Spirits	5,000 U	2	
B-33A	B-33A	9/21/1992	28	38	USEPA 8015M	Thinner	Mineral Spirits	5,000 U	2	
B-34	B-34	9/21/1992	7.5	12.5	USEPA 8015M	Thinner	Mineral Spirits	5,000 U	1	
B-35	B-35	9/14/1992	19.5	29.5	USEPA 8015M	Thinner	Mineral Spirits	5,000 U	2	
B-36	B-36	9/14/1992	6	11	USEPA 8015M	Thinner	Mineral Spirits	5,000 U	1	
B-37	B-37	9/14/1992	23	28	USEPA 8015M	Thinner	Mineral Spirits	5,000 U	2	
B-05	B-5 DUP	4/30/1992	40	45	USEPA 8015M	Gasoline-range	Mineral Spirits	1,000 U	2	
B-05	B-5	4/30/1992	40	45	USEPA 8015M	Gasoline-range	Mineral Spirits	1,000 U	2	
B-05	B-5	9/9/1992	40	45	USEPA 8015M	Gasoline-range	Mineral Spirits	1,000 U	2	
B-06	B-6	4/29/1992	40.5	45.5	USEPA 8015M	Gasoline-range	Mineral Spirits	1,000 U	2	
B-06	B-6	9/3/1992	40.5	45.5	USEPA 8015M	Gasoline-range	Mineral Spirits	1,000 U	2	
Mineral Spirits and Gasoline-range Total Petroleum Hydrocarbons (continued)										
B-09	B-9	5/4/1992	38.5	43.5	USEPA 8015M	Gasoline-range	Mineral Spirits	1,000 U	2	
B-09	B-9	9/16/1992	38.5	43.5	USEPA 8015M	Gasoline-range	Mineral Spirits	1,000 U	2	
B-09	B-69 (B-9 DUP)	9/16/1992	38.5	43.5	USEPA 8015M	Gasoline-range	Mineral Spirits	1,000 U	2	
B-14	B-14	4/30/1992	8.5	13.5	USEPA 8015M	Gasoline-range	Mineral Spirits	1,000 U	1	
B-17	B-17	5/6/1992	40	50	USEPA 8015M	Gasoline-range	Mineral Spirits	1,000 U	2	
B-17	B-17	9/9/1992	40	50	USEPA 8015M	Gasoline-range	Mineral Spirits	1,000 U	2	
B-18	B-18	5/5/1992	6	16	USEPA 8015M	Gasoline-range	Mineral Spirits	1,000 U	1	
B-19	B-19	5/5/1992	37.5	47.5	USEPA 8015M	Gasoline-range	Mineral Spirits	1,000 U	2	
B-19	B-72 (B-19 DUP)	5/5/1992	37.5	47.5	USEPA 8015M	Gasoline-range	Mineral Spirits	1,000 U	2	

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(µg/L)

Location	Field Sample ID	Sample Date	Upper Sample Depth (ft)	Lower Sample Depth (ft)	Analytical Method	Parameter	Interpreted Parameter	Value	Aquifer Number	Comment from Dr. Teri Floyd
B-19	B-66 (B-19 DUP)	9/10/1992	37.5	47.5	USEPA 8015M	Gasoline-range	Mineral Spirits	1,000 U	2	
B-19	B-19	9/10/1992	37.5	47.5	USEPA 8015M	Gasoline-range	Mineral Spirits	1,000 U	2	
B-22	B-22	5/1/1992	7	13	USEPA 8015M	Gasoline-range	Mineral Spirits	1,000 U	1	
B-23	B-23	5/1/1992	20.5	30.5	USEPA 8015M	Gasoline-range	Mineral Spirits	1,000 U	2	
B-23	B-23 DUP	5/1/1992	20.5	30.5	USEPA 8015M	Gasoline-range	Mineral Spirits	1,000 U	2	
B-23	B-23	9/11/1992	20.5	30.5	USEPA 8015M	Gasoline-range	Mineral Spirits	1,000 U	2	
B-23	B-67 (B-23 DUP)	9/11/1992	20.5	30.5	USEPA 8015M	Gasoline-range	Mineral Spirits	1,000 U	2	
B-25	B-25	5/5/1992	27	37	USEPA 8015M	Gasoline-range	Mineral Spirits	1,000 U	2	
B-25	B-25	9/3/1992	27	37	USEPA 8015M	Gasoline-range	Mineral Spirits	1,000 U	2	
B-26	B-26	5/6/1992	8.5	13.25	USEPA 8015M	Gasoline-range	Mineral Spirits	1,000 U	1	
B-26	B-26	9/3/1992	8.5	13.25	USEPA 8015M	Gasoline-range	Mineral Spirits	1,000 U	1	
B-27	B-27	5/6/1992	42.5	47.5	USEPA 8015M	Gasoline-range	Mineral Spirits	1,000 U	2	
B-27	B-27	9/3/1992	42.5	47.5	USEPA 8015M	Gasoline-range	Mineral Spirits	1,000 U	2	
B-27	B-65 (B-27 DUP)	9/3/1992	42.5	47.5	USEPA 8015M	Gasoline-range	Mineral Spirits	1,000 U	2	
B-28	B-28	4/29/1992	9	14	USEPA 8015M	Gasoline-range	Mineral Spirits	1,000 U	1	
B-28	B-28	9/3/1992	9	14	USEPA 8015M	Gasoline-range	Mineral Spirits	1,000 U	1	
B-31	B-31	9/15/1992	6.5	11.5	USEPA 8015M	Gasoline-range	Mineral Spirits	1,000 U	1	
B-33A	B-33A	9/21/1992	28	38	USEPA 8015M	Gasoline-range	Mineral Spirits	1,000 U	2	
B-33A	B-70 (B-33A DUP)	9/21/1992	28	38	USEPA 8015M	Gasoline-range	Mineral Spirits	1,000 U	2	
B-34	B-34	9/21/1992	7.5	12.5	USEPA 8015M	Gasoline-range	Mineral Spirits	1,000 U	1	
B-35	B-35	9/14/1992	19.5	29.5	USEPA 8015M	Gasoline-range	Mineral Spirits	1,000 U	2	
B-36	B-36	9/14/1992	6	11	USEPA 8015M	Gasoline-range	Mineral Spirits	1,000 U	1	
B-37	B-37	9/14/1992	23	28	USEPA 8015M	Gasoline-range	Mineral Spirits	1,000 U	2	
HC-1	HC-1	2/2/1998	9	16	NWTPH-Dx	Kerosene	Mineral Spirits	250 U	1	
HC-1	HC-1	3/3/1998	9	16	NWTPH-Dx	Gasoline-range	Mineral Spirits	250 U	1	
HC-1	HC-1	3/3/1998	9	16	NWTPH-Dx	Kerosene	Mineral Spirits	250 U	1	
HC-2	HC-2	2/2/1998	11	15	NWTPH-Dx	Kerosene	Mineral Spirits	250 U	1	
HC-2	HC-2	3/3/1998	11	15	NWTPH-Dx	Gasoline-range	Mineral Spirits	250 U	1	
HC-2	HC-2	3/3/1998	11	15	NWTPH-Dx	Kerosene	Mineral Spirits	250 U	1	
Mineral Spirits and Gasoline-range Total Petroleum Hydrocarbons (continued)										
B-28	B-28	7/17/2000	9	14	NWTPH-Gx	Gasoline-range	Mineral Spirits	100 U	1	
GP-40	GP-40-40W	12/12/2008	40	40	NWTPH-Gx	Gasoline-range	Mineral Spirits	100 U	2	
GP-40	GP-40-40W	12/12/2008	40	40	NWTPH-Gx	Gasoline-range	Mineral Spirits	100 U	2	
GP-40	GP-40-50W	12/12/2008	50	50	NWTPH-Gx	Gasoline-range	Mineral Spirits	100 U	2	
GP-40	GP-40-60W	12/12/2008	60	60	NWTPH-Gx	Gasoline-range	Mineral Spirits	100 U	2	
GP-40	GP-140-60W	12/12/2008	60	60	NWTPH-Gx	Gasoline-range	Mineral Spirits	100 U	2	
NW-1	NW-1	7/13/2000	15	17.5	NWTPH-Gx	Gasoline-range	Mineral Spirits	100 U	1	
NW-10	NW-10	7/14/2000	14.5	17	NWTPH-Gx	Gasoline-range	Mineral Spirits	100 U	1	
NW-11	NW-11	7/14/2000	13.5	16	NWTPH-Gx	Gasoline-range	Mineral Spirits	100 U	1	
NW-12	NW-12	7/14/2000	13.5	16	NWTPH-Gx	Gasoline-range	Mineral Spirits	100 U	1	

Table H.2
Total Petroleum Hydrocarbon Product Interpretation for Groundwater Samples
(µg/L)

Location	Field Sample ID	Sample Date	Upper Sample Depth (ft)	Lower Sample Depth (ft)	Analytical Method	Parameter	Interpreted Parameter	Value	Aquifer Number	Comment from Dr. Teri Floyd
NW-2	071300-Duplicate 1	7/13/2000	15.5	18	NWTPH-Gx	Gasoline-range	Mineral Spirits	100 U	1	
NW-2	NW-2	7/13/2000	15.5	18	NWTPH-Gx	Gasoline-range	Mineral Spirits	100 U	1	
NW-3	NW-3	7/13/2000	15.5	18	NWTPH-Gx	Gasoline-range	Mineral Spirits	100 U	1	
NW-4	NW-4	7/13/2000	15.5	18	NWTPH-Gx	Gasoline-range	Mineral Spirits	100 U	1	
NW-5	NW-5	7/13/2000	14.5	17	NWTPH-Gx	Gasoline-range	Mineral Spirits	100 U	1	
NW-6	NW-6	7/13/2000	13.5	16	NWTPH-Gx	Gasoline-range	Mineral Spirits	100 U	1	
NW-7	NW-7 DUP	7/14/2000	15	17.5	NWTPH-Gx	Gasoline-range	Mineral Spirits	100 U	1	
NW-7	NW-7	7/14/2000	15	17.5	NWTPH-Gx	Gasoline-range	Mineral Spirits	100 U	1	
NW-8	NW-8	7/14/2000	15.5	17	NWTPH-Gx	Gasoline-range	Mineral Spirits	100 U	1	
NW-9	NW-9	7/14/2000	14.5	17	NWTPH-Gx	Gasoline-range	Mineral Spirits	100 U	1	
B-11	B-11-12	10/20/2010	12	12	NWTPH-Gx	Gasoline-range	Mineral Spirits	50 U	1	
B-11	B-11-12	10/20/2010	12	12	NWTPH-Gx	Gasoline-range	Mineral Spirits	50 U	1	
B-11	B-11-12	10/20/2010	12	12	NWTPH-Gx	Mineral Spirits	Mineral Spirits	50 U	1	
B-15	B-15-012910	1/29/2010	18	18	NWTPH-Gx	Gasoline-range	Mineral Spirits	50 U	1	
B-18	B-18-11	10/21/2010	11	11	NWTPH-Gx	Gasoline-range	Mineral Spirits	50 U	1	
B-18	B-18-11	10/21/2010	11	11	NWTPH-Gx	Gasoline-range	Mineral Spirits	50 U	1	
B-18	B-18-11	10/21/2010	11	11	NWTPH-Gx	Mineral Spirits	Mineral Spirits	50 U	1	
B-30	B-30-012910	1/29/2010	15	15	NWTPH-Gx	Gasoline-range	Mineral Spirits	50 U	1	
B-39	B-39-11	10/20/2010	11	11	NWTPH-Gx	Gasoline-range	Mineral Spirits	50 U	1	
B-39	B-39-11	10/20/2010	11	11	NWTPH-Gx	Gasoline-range	Mineral Spirits	50 U	1	
B-47	B-47-012910	1/29/2010	13	13	NWTPH-Gx	Gasoline-range	Mineral Spirits	50 U	1	
B-52	B-52-10.5	10/20/2010	10.5	10.5	NWTPH-Gx	Gasoline-range	Mineral Spirits	50 U	1	
B-52	B-52-10.5	10/20/2010	10.5	10.5	NWTPH-Gx	Gasoline-range	Mineral Spirits	50 U	1	
B-59	B-59C-27	10/21/2010	27.5	27.5	NWTPH-Gx	Gasoline-range	Mineral Spirits	50 U	2	
B-59	B-59C-27	10/21/2010	27.5	27.5	NWTPH-Gx	Gasoline-range	Mineral Spirits	50 U	2	
B-59	B-59C-27	10/21/2010	27.5	27.5	NWTPH-Gx	Mineral Spirits	Mineral Spirits	50 U	2	
B-59	B-59-27.5	10/21/2010	27.5	27.5	NWTPH-Gx	Gasoline-range	Mineral Spirits	50 U	2	
B-59	B-59-27.5	10/21/2010	27.5	27.5	NWTPH-Gx	Gasoline-range	Mineral Spirits	50 U	2	
Mineral Spirits and Gasoline-range Total Petroleum Hydrocarbons (continued)										
B-59	B-59-27.5	10/21/2010	27.5	27.5	NWTPH-Gx	Mineral Spirits	Mineral Spirits	50 U	2	
B-60	B-60-11	10/21/2010	11	11	NWTPH-Gx	Gasoline-range	Mineral Spirits	50 U	1	
B-60	B-60-11	10/21/2010	11	11	NWTPH-Gx	Gasoline-range	Mineral Spirits	50 U	1	
B-60	B-60-11	10/21/2010	11	11	NWTPH-Gx	Mineral Spirits	Mineral Spirits	50 U	1	
B-61	B-61-41.5	10/21/2010	41.5	41.5	NWTPH-Gx	Gasoline-range	Mineral Spirits	50 U	2	
B-61	B-61-41.5	10/21/2010	41.5	41.5	NWTPH-Gx	Gasoline-range	Mineral Spirits	50 U	2	
B-62	B-62-10.5	10/21/2010	10.5	10.5	NWTPH-Gx	Gasoline-range	Mineral Spirits	50 U	1	
B-62	B-62-10.5	10/21/2010	10.5	10.5	NWTPH-Gx	Gasoline-range	Mineral Spirits	50 U	1	
B-63	B-63-40.5	10/21/2010	40.5	40.5	NWTPH-Gx	Gasoline-range	Mineral Spirits	50 U	2	
B-63	B-63-40.5	10/21/2010	40.5	40.5	NWTPH-Gx	Gasoline-range	Mineral Spirits	50 U	2	
HC-1	HC-1	12/12/1997	9	16	NWTPH-Gx	Gasoline-range	Mineral Spirits	50 U	1	

Table H.2
Total Petroleum Hydrocarbon Product Interpretation for Groundwater Samples
(µg/L)

Location	Field Sample ID	Sample Date	Upper Sample Depth (ft)	Lower Sample Depth (ft)	Analytical Method	Parameter	Interpreted Parameter	Value	Aquifer Number	Comment from Dr. Teri Floyd
HC-1	HC-1	2/2/1998	9	16	NWTPH-Gx	Gasoline-range	Mineral Spirits	50 U	1	
HC-1	HC-1	2/2/1998	9	16	NWTPH-Gx	Mineral Spirits	Mineral Spirits	50 U	1	
HC-1	HC-1	3/3/1998	9	16	NWTPH-Gx	Gasoline-range	Mineral Spirits	50 U	1	
HC-1	HC-1	3/3/1998	9	16	NWTPH-Gx	Mineral Spirits	Mineral Spirits	50 U	1	
HC-2	HC-2	12/12/1997	11	15	NWTPH-Gx	Gasoline-range	Mineral Spirits	50 U	1	
HC-2	HC-2	2/2/1998	11	15	NWTPH-Gx	Gasoline-range	Mineral Spirits	50 U	1	
HC-2	HC-2	2/2/1998	11	15	NWTPH-Gx	Mineral Spirits	Mineral Spirits	50 U	1	
HC-2	HC-2	3/3/1998	11	15	NWTPH-Gx	Gasoline-range	Mineral Spirits	50 U	1	
HC-2	HC-2	3/3/1998	11	15	NWTPH-Gx	Mineral Spirits	Mineral Spirits	50 U	1	
MW-10	MW-10-24	10/20/2010	24	24	NWTPH-Gx	Gasoline-range	Mineral Spirits	50 U	2	
MW-10	MW-10-24	10/20/2010	24	24	NWTPH-Gx	Gasoline-range	Mineral Spirits	50 U	2	
MW-13	MW-13-67.5	10/20/2010	67.5	67.5	NWTPH-Gx	Gasoline-range	Mineral Spirits	50 U	2	
MW-13	MW-13-67.5	10/20/2010	67.5	67.5	NWTPH-Gx	Gasoline-range	Mineral Spirits	50 U	2	
MW-14	MW-14-57.5	10/21/2010	57.5	57.5	NWTPH-Gx	Gasoline-range	Mineral Spirits	50 U	2	
MW-14	MW-14-57.5	10/21/2010	57.5	57.5	NWTPH-Gx	Gasoline-range	Mineral Spirits	50 U	2	
PTM-2L	PTM-2L-35	10/20/2010	35	35	NWTPH-Gx	Gasoline-range	Mineral Spirits	50 U	2	
PTM-2L	PTM-2L-35	10/20/2010	35	35	NWTPH-Gx	Gasoline-range	Mineral Spirits	50 U	2	
B-07	B-7	10/8/1990	15	19	USEPA 8015M	Kerosene	Mineral Spirits	5 U	1	
B-09	B-9	10/8/1990	38.5	43.5	USEPA 8015M	Kerosene	Mineral Spirits	5 U	2	
B-09	B-9	10/8/1990	38.5	43.5	USEPA 8015M	Light Hydrocarbons	Mineral Spirits	5 U	2	
B-10	B-10	10/8/1990			USEPA 8015M	Kerosene	Mineral Spirits	5 U	1	
B-10	B-10	10/8/1990			USEPA 8015M	Light Hydrocarbons	Mineral Spirits	5 U	1	
B-11	B-11	10/8/1990	11	13	USEPA 8015M	Kerosene	Mineral Spirits	5 U	1	
B-11	B-11	10/8/1990	11	13	USEPA 8015M	Light Hydrocarbons	Mineral Spirits	5 U	1	
B-12	B-12	10/8/1990	10.5	13	USEPA 8015M	Kerosene	Mineral Spirits	5 U	1	

Table H.2
Total Petroleum Hydrocarbon Product Interpretation for Groundwater Samples
(µg/L)

Location	Field Sample ID	Sample Date	Upper Sample Depth (ft)	Lower Sample Depth (ft)	Analytical Method	Parameter	Interpreted Parameter	Value	Aquifer Number	Comment from Dr. Teri Floyd
Data Not Used										
B-24	B-24	5/5/1992	6	16	USEPA 8015M	Gasoline-range	Mineral Spirits	1,000 U	1	Upgradient of Site at E. Marginal Way S.
B-24	B-24	9/3/1992	6	16	USEPA 8015M	Gasoline-range	Mineral Spirits	1,000 U	1	Upgradient of Site at E. Marginal Way S.
B-38	B-38	9/14/1992	6	16	USEPA 8015M	Gasoline-range	Mineral Spirits	16,000 JN	1	At Tyee—do not include
B-10A	B-10A-11.5	10/20/2010	11.5	11.5	NWTPH-Dx	Diesel-range	Diesel #2	1,300 RN	1	Mineral Spirits: reject in favor of NWTPH-G
B-15	B-15-012910	1/29/2010	18	18	NWTPH-Dx	Diesel-range	Diesel #2	190 RN	1	Mineral Spirits: reject in favor of NWTPH-G
B-30	B-30-012910	1/29/2010	15	15	NWTPH-Dx	Diesel-range	Diesel #2	2,400 RN	1	Mineral Spirits: reject in favor of NWTPH-G
B-47	B-47-012910	1/29/2010	13	13	NWTPH-Dx	Diesel-range	Diesel #2	870 RN	1	Mineral Spirits: reject in favor of NWTPH-G
AGI-2	AGI-2	7/13/2000	10.45	16.5	NWTPH-Dx	Heavy Fuel Oil	Heavy Oil	1,500	1	These wells are on the upgradient Schultz Property and should not be included as part of the Site.
AGI-3	AGI-3	7/13/2000	1.9	16.5	NWTPH-Dx	Heavy Fuel Oil	Heavy Oil	500 U	1	These wells are on the upgradient Schultz Property and should not be included as part of the Site.
B-38	B-38	9/14/1992	6	16	USEPA 8015M	Diesel #2	Diesel #2	11,000	1	At Tyee—do not include
B-24	B-24	5/5/1992	6	16	USEPA 8015M	Diesel #2	Diesel #2	7,000 JN	1	Upgradient of Site on E. Marginal Way S.
B-24	B-24	5/5/1992	6	16	USEPA 8015M	Motor Oil	Heavy Oil	52,000 J	1	Upgradient of Site on E. Marginal Way S.

Abbreviations:

ft feet
USEPA U.S. Environmental Protection Agency

Qualifiers:

J The analyte was positively identified; the quantitation is an estimation.
JN The analyte was tentatively identified; the quantitiation is an estimate.
R Data were rejected and should not be used
U The analyte was analyzed for, but not detected. The associated numerical value is less than or equal to the sample-specific method detection limit (MDL).
RN The analyte was tentatively identified, but the data were rejected and should not be used.

Fox Avenue Site
Seattle, Washington

Remedial Investigation/ Feasibility Study

Appendix H
Site-specific Total Petroleum Hydrocarbons Cleanup Level Documentation

Attachment H.1
Volatile and Extractable Petroleum Hydrocarbon Laboratory Analytical Reports

FINAL

2930 Westlake Ave N Suite 100
Seattle, WA 98109
T: (206) 352-3790
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Floyd | Snider
Attn: Tom Colligan
601 Union St. Ste. 600
Seattle, WA 98101

RE: Fox Ave. Task 5
Fremont Project No: CHM090617-3
Floyd | Snider Project No: Fox-Ave

June 19th, 2009

Tom:

Enclosed are the analytical results for the ***Fox Ave.*** soil samples delivered to Fremont Analytical on Tuesday June 17th, 2009.

The samples were received in good condition – in proper containers, properly sealed, labeled and within holding time. The soil samples were contained in 33 - 4oz soil jars. The samples were extracted into 40mL VOAs and preserved with MeOH upon receipt. The samples were received in coolers with gel ice, with cooler temperatures of 5.5°C & 7.2°C, which is within the laboratory recommended cooler temperature range (<4°C - 10°C). The samples were analyzed and then stored in a refrigeration unit at the USEPA-recommended temperature of 4°C ± 2°C. There were no sample receipt issues to report.

Examination of these samples was conducted for the presence of the following:

- ***Volatile Organic Compounds in Soil by EPA Method 8260B***

This application was performed under Washington State Department of Ecology accreditation parameters. All appropriate Quality Assurance / Quality Control method parameters have been applied.

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Floyd | Snider
Attn: Tom Colligan
601 Union St. Ste. 600
Seattle, WA 98101

RE: Fox Ave. Task 5
Fremont Project No: CHM090617-3
Floyd | Snider Project No: Fox-Ave

Laboratory Notations

- 1:10 dilution was used for some samples. Reporting limits were adjusted accordingly.
- Interferences of petroleum hydrocarbons prevented the determination of surrogate recoveries.
- The Laboratory Control Sample (LCS) was outside of the laboratory control limits for *Trichloroethene (TCE)*. The additional LCS was within range.
- The surrogate recovery for *Dibromofluoromethane* for sample *GP-84-62.0-62.5* was outside of the laboratory control limits. The other two surrogates were within range.
- The Relative Percent Difference (RPD) between the sample (*Sample ID: GP-81-52.0-53.0*) and the sample duplicate was outside of the laboratory control limits for *cis-1,2-Dichloroethene* and *Naphthalene*.
- Interference prevented the determination of *Trichloroethene (TCE)* in the Matrix Spike (MS) and the MS Duplicate for sample ID: *GP-81-52.0-53.0*
- The surrogate recovery for *1-Bromo-4-fluorobenzene* for the MS (Sample ID: *GP-81-52.0-53.0*) was outside of the laboratory control limits. The other two surrogates were within range.
- The MS was outside of laboratory control limits for *Trichloroethene (TCE)* for sample ID: *GP-85-62-62.5*. The MSD and the RPD were within range.

Please contact the laboratory if you should have any questions about the results.

Thank you for using Fremont Analytical!

Sincerely,

Michael Dee
Sr. Chemist / Principal

mikedee@fremontanalytical.com

2930 Westlake Ave. N., Suite 100
Seattle, WA 98109

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Analysis of Volatile Organic Compounds in Soil by EPA Method 8260B

Project: Fox Ave. Task 5
Client: Floyd | Snider
Client Project #: Fox-Ave
Lab Project #: CHM090617-3

EPA 8260B (mg/kg)	MRL	Method Blank	LCS	LCS	GP-78 5.0-5.5	GP-78-9.5-10.0	GP-78-13.5-14.0
Date Preserved					6/17/09	6/17/09	6/17/09
Date Analyzed		6/17/09	6/17/09	6/19/09	6/17/09	6/17/09	6/17/09
Matrix					Soil	Soil	Soil
Dichlorodifluoromethane	0.06	nd			nd	nd	nd
Chloromethane	0.06	nd			nd	nd	nd
Vinyl chloride *	0.002	nd			nd	nd	nd
Bromomethane	0.09	nd			nd	nd	nd
Chloroethane	0.06	nd			nd	nd	nd
Trichlorofluoromethane	0.05	nd			nd	nd	nd
1,1-Dichloroethene	0.05	nd	101%	95%	nd	nd	nd
Methylene chloride	0.02	nd			nd	nd	nd
trans-1,2-Dichloroethene	0.02	nd			nd	nd	nd
1,1-Dichloroethane	0.02	nd			nd	nd	nd
2,2-Dichloropropane	0.05	nd			nd	nd	nd
cis-1,2-Dichloroethene	0.02	nd			**0.04**	nd	nd
Chloroform	0.02	nd			nd	nd	nd
1,1-Dichloropropene	0.02	nd			nd	nd	nd
Carbon tetrachloride	0.02	nd			nd	nd	nd
1,1,1-Trichloroethane (TCA)	0.02	nd			nd	nd	nd
Benzene	0.02	nd	79%	79%	nd	nd	nd
1,2-Dichloroethane (EDC)	0.03	nd			nd	nd	nd
Trichloroethene (TCE)	0.03	nd	63%	84%	**0.06**	nd	nd
1,2-Dichloropropane	0.02	nd			nd	nd	nd

"nd" Indicates not detected at listed reporting limits
"int" Indicates that interference prevents determination
* Instrument Detection Limit
"J" Indicates estimated value
"MRL" Indicates Method Reporting Limit
"LCS" Indicates Laboratory Control Sample
"MS" Indicates Matrix Spike
"MSD" Indicates Matrix Spike Duplicate
"RPD" Indicates Relative Percent Difference

Acceptable RPD is determined to be less than 30%
Acceptable Recovery Limits:
Surrogate = 65% to 135%
LCS, LCSD, MS, MSD = 65% to 135%
Surrogates and Spike Concentration = 0.5 mg/kg

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Analysis of Volatile Organic Compounds in Soil by EPA Method 8260B

Project: Fox Ave. Task 5
Client: Floyd | Snider
Client Project #: Fox-Ave
Lab Project #: CHM090617-3

EPA 8260B (mg/kg)	MRL	Method Blank	LCS	LCS	GP-78 5.0-5.5	GP-78-9.5-10.0	GP-78-13.5-14.0
Date Preserved					6/17/09	6/17/09	6/17/09
Date Analyzed		6/17/09	6/17/09	6/19/09	6/17/09	6/17/09	6/17/09
Matrix					Soil	Soil	Soil
Dichlorodifluoromethane	0.06	nd			nd	nd	nd
Chloromethane	0.06	nd			nd	nd	nd
Dibromomethane	0.04	nd			nd	nd	nd
Bromodichloromethane	0.02	nd			nd	nd	nd
cis-1,3-Dichloropropene	0.02	nd			nd	nd	nd
Toluene	0.02	nd	84%	82%	nd	nd	nd
Trans-1,3-Dichloropropene	0.03	nd			nd	nd	nd
1,1,2-Trichloroethane	0.03	nd			nd	nd	nd
Tetrachloroethene (PCE)	0.02	nd			**3.2**	**0.05**	nd
1,3-Dichloropropane	0.05	nd			nd	nd	nd
Dibromochloromethane	0.03	nd			nd	nd	nd
1,2-Dibromoethane (EDB) *	0.005	nd			nd	nd	nd
Chlorobenzene	0.02	nd	84%	82%	nd	nd	nd
1,1,1,2-Tetrachloroethane	0.03	nd			nd	nd	nd
Ethylbenzene	0.03	nd			nd	nd	nd
Total Xylenes	0.03	nd			nd	nd	nd
Styrenes	0.02	nd			nd	nd	nd
Bromoform	0.02	nd			nd	nd	nd
Isopropylbenzene	0.08	nd			nd	nd	nd
1,2,3-Trichloropropane	0.02	nd			nd	nd	nd
Bromobenzene	0.03	nd			nd	nd	nd
1,1,2,2-Tetrachloroethane	0.02	nd			nd	nd	nd

"nd" Indicates not detected at listed reporting limits
"int" Indicates that interference prevents determination
* Instrument Detection Limit
"J" Indicates estimated value
"MRL" Indicates Method Reporting Limit
"LCS" Indicates Laboratory Control Sample
"MS" Indicates Matrix Spike
"MSD" Indicates Matrix Spike Duplicate
"RPD" Indicates Relative Percent Difference

Acceptable RPD is determined to be less than 30%
Acceptable Recovery Limits:
Surrogate = 65% to 135%
LCS, LCSD, MS, MSD = 65% to 135%
Surrogates and Spike Concentration = 0.5 mg/kg

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Analysis of Volatile Organic Compounds in Soil by EPA Method 8260B

Project: Fox Ave. Task 5
Client: Floyd | Snider
Client Project #: Fox-Ave
Lab Project #: CHM090617-3

EPA 8260B (mg/kg)	MRL	Method Blank	LCS	LCS	GP-78 5.0-5.5	GP-78-9.5-10.0	GP-78-13.5-14.0
Date Preserved					6/17/09	6/17/09	6/17/09
Date Analyzed		6/17/09	6/17/09	6/19/09	6/17/09	6/17/09	6/17/09
Matrix					Soil	Soil	Soil
Dichlorodifluoromethane	0.06	nd			nd	nd	nd
Chloromethane	0.06	nd			nd	nd	nd
n-Propylbenzene	0.02	nd			nd	nd	nd
2-Chlorotoluene	0.02	nd			nd	nd	nd
4-Chlorotoluene	0.02	nd			nd	nd	nd
1,3,5-Trimethylbenzene	0.02	nd			nd	nd	nd
tert-Butylbenzene	0.02	nd			nd	nd	nd
1,2,4-Trimethylbenzene	0.02	nd			nd	nd	nd
sec-Butylbenzene	0.02	nd			nd	nd	nd
1,3-Dichlorobenzene	0.02	nd			nd	nd	nd
4-Isopropyltoluene	0.02	nd			nd	nd	nd
1,4-Dichlorobenzene	0.02	nd			nd	nd	nd
1,2-Dichlorobenzene	0.02	nd			nd	nd	nd
n-Butylbenzene	0.02	nd			nd	nd	nd
1,2-Dibromo-3-Chloropropane	0.03	nd			nd	nd	nd
1,2,4-Trichlorobenzene	0.05	nd			nd	nd	nd
Hexachloro-1,3-butadiene	0.10	nd			nd	nd	nd
Naphthalene	0.03	nd			nd	nd	nd
1,2,3-Trichlorobenzene	1.0	nd			nd	nd	nd
Surrogate Recovery							
Dibromofluoromethane		71%	94%	108%	70%	67%	80%
Toluene-d8		74%	99%	105%	85%	85%	86%
1-Bromo-4-fluorobenzene		90%	96%	93%	93%	94%	93%

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* Instrument Detection Limit
"J" Indicates estimated value
"MRL" Indicates Method Reporting Limit
"LCS" Indicates Laboratory Control Sample
"MS" Indicates Matrix Spike
"MSD" Indicates Matrix Spike Duplicate
"RPD" Indicates Relative Percent Difference

Acceptable RPD is determined to be less than 30%
Acceptable Recovery Limits:
Surrogate = 65% to 135%
LCS, LCSD, MS, MSD = 65% to 135%
Surrogates and Spike Concentration = 0.5 mg/kg

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Analysis of Volatile Organic Compounds in Soil by EPA Method 8260B

Project: Fox Ave. Task 5
Client: Floyd | Snider
Client Project #: Fox-Ave
Lab Project #: CHM090617-3

EPA 8260B (mg/kg)	MRL	GP-78-45.0-45.5	GP-78-55.0-56.0
Date Preserved		6/17/09	6/17/09
Date Analyzed		6/18/09	6/19/09
Matrix		Soil	Soil
Dichlorodifluoromethane	0.06	nd	nd
Chloromethane	0.06	nd	nd
Vinyl chloride *	0.002	nd	nd
Bromomethane	0.09	nd	nd
Chloroethane	0.06	nd	nd
Trichlorofluoromethane	0.05	nd	nd
1,1-Dichloroethene	0.05	nd	nd
Methylene chloride	0.02	nd	nd
trans-1,2-Dichloroethene	0.02	nd	nd
1,1-Dichloroethane	0.02	nd	nd
2,2-Dichloropropane	0.05	nd	nd
cis-1,2-Dichloroethene	0.02	**0.06**	nd
Chloroform	0.02	nd	nd
1,1-Dichloropropene	0.02	nd	nd
Carbon tetrachloride	0.02	nd	nd
1,1,1-Trichloroethane (TCA)	0.02	nd	nd
Benzene	0.02	nd	nd
1,2-Dichloroethane (EDC)	0.03	nd	nd
Trichloroethene (TCE)	0.03	nd	nd
1,2-Dichloropropane	0.02	nd	nd

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"J" Indicates estimated value
"MRL" Indicates Method Reporting Limit
"LCS" Indicates Laboratory Control Sample
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Project: Fox Ave. Task 5
Client: Floyd | Snider
Client Project #: Fox-Ave
Lab Project #: CHM090617-3

EPA 8260B (mg/kg)	MRL	GP-78-45.0-45.5	GP-78-55.0-56.0
Date Preserved		6/17/09	6/17/09
Date Analyzed		6/18/09	6/19/09
Matrix		Soil	Soil
Dichlorodifluoromethane	0.06	nd	nd
Chloromethane	0.06	nd	nd
Dibromomethane	0.04	nd	nd
Bromodichloromethane	0.02	nd	nd
cis-1,3-Dichloropropene	0.02	nd	nd
Toluene	0.02	nd	nd
Trans-1,3-Dichloropropene	0.03	nd	nd
1,1,2-Trichloroethane	0.03	nd	nd
Tetrachloroethene (PCE)	0.02	nd	**0.03**
1,3-Dichloropropane	0.05	nd	nd
Dibromochloromethane	0.03	nd	nd
1,2-Dibromoethane (EDB) *	0.005	nd	nd
Chlorobenzene	0.02	nd	nd
1,1,1,2-Tetrachloroethane	0.03	nd	nd
Ethylbenzene	0.03	**0.93**	nd
Total Xylenes	0.03	**0.47**	nd
Styrenes	0.02	nd	nd
Bromoform	0.02	nd	nd
Isopropylbenzene	0.08	**1.1**	**0.02**
1,2,3-Trichloropropane	0.02	nd	nd
Bromobenzene	0.03	nd	nd
1,1,2,2-Tetrachloroethane	0.02	nd	nd

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EPA 8260B (mg/kg)	MRL	GP-78-45.0-45.5	GP-78-55.0-56.0
Date Preserved		6/17/09	6/17/09
Date Analyzed		6/18/09	6/19/09
Matrix		Soil	Soil
Dichlorodifluoromethane	0.06	nd	nd
Chloromethane	0.06	nd	nd
n-Propylbenzene	0.02	**3.4**	**0.15**
2-Chlorotoluene	0.02	nd	nd
4-Chlorotoluene	0.02	nd	nd
1,3,5-Trimethylbenzene	0.02	**7.7**	**0.17**
tert-Butylbenzene	0.02	**0.08**	nd
1,2,4-Trimethylbenzene	0.02	**11**	**0.16**
sec-Butylbenzene	0.02	**2.7**	**2.6**
1,3-Dichlorobenzene	0.02	nd	nd
4-Isopropyltoluene	0.02	**3.0**	**1.3**
1,4-Dichlorobenzene	0.02	nd	nd
1,2-Dichlorobenzene	0.02	nd	nd
n-Butylbenzene	0.02	**4.2**	**5.0**
1,2-Dibromo-3-Chloropropane	0.03	nd	nd
1,2,4-Trichlorobenzene	0.05	nd	nd
Hexachloro-1,3-butadiene	0.10	nd	nd
Naphthalene	0.03	**0.33**	nd
1,2,3-Trichlorobenzene	1.0	nd	nd
Surrogate Recovery			
Dibromofluoromethane		*int*	108%
Toluene-d8		*int*	99%
1-Bromo-4-fluorobenzene		*int*	*int*

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Project: Fox Ave. Task 5
Client: Floyd | Snider
Client Project #: Fox-Ave
Lab Project #: CHM090617-3

EPA 8260B (mg/kg)	MRL	RL *1:10*	GP-85-0.6-1.0
Date Preserved			6/17/09
Date Analyzed			6/18/09
Matrix			Soil
Dichlorodifluoromethane	0.06	0.6	nd
Chloromethane	0.06	0.6	nd
Vinyl chloride *	0.002	0.0	nd
Bromomethane	0.09	0.9	nd
Chloroethane	0.06	0.6	nd
Trichlorofluoromethane	0.05	0.5	nd
1,1-Dichloroethene	0.05	0.5	nd
Methylene chloride	0.02	0.2	nd
trans-1,2-Dichloroethene	0.02	0.2	nd
1,1-Dichloroethane	0.02	0.2	nd
2,2-Dichloropropane	0.05	0.5	nd
cis-1,2-Dichloroethene	0.02	0.2	nd
Chloroform	0.02	0.2	nd
1,1-Dichloropropene	0.02	0.2	nd
Carbon tetrachloride	0.02	0.2	nd
1,1,1-Trichloroethane (TCA)	0.02	0.2	nd
Benzene	0.02	0.2	nd
1,2-Dichloroethane (EDC)	0.03	0.3	nd
Trichloroethene (TCE)	0.03	0.3	**0.4**
1,2-Dichloropropane	0.02	0.2	nd

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Client: Floyd | Snider
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Lab Project #: CHM090617-3

EPA 8260B (mg/kg)	MRL	RL *1:10*	GP-85-0.6-1.0
Date Preserved			6/17/09
Date Analyzed			6/18/09
Matrix			Soil
Dichlorodifluoromethane	0.06	0.6	nd
Chloromethane	0.06	0.6	nd
Dibromomethane	0.04	0.4	nd
Bromodichloromethane	0.02	0.2	nd
cis-1,3-Dichloropropene	0.02	0.2	nd
Toluene	0.02	0.2	nd
Trans-1,3-Dichloropropene	0.03	0.3	nd
1,1,2-Trichloroethane	0.03	0.3	nd
Tetrachloroethene (PCE)	0.02	0.2	**230**
1,3-Dichloropropane	0.05	0.5	nd
Dibromochloromethane	0.03	0.3	nd
1,2-Dibromoethane (EDB) *	0.005	0.1	nd
Chlorobenzene	0.02	0.2	nd
1,1,1,2-Tetrachloroethane	0.03	0.3	nd
Ethylbenzene	0.03	0.3	**2.0**
Total Xylenes	0.03	0.3	**25**
Styrenes	0.02	0.2	nd
Bromoform	0.02	0.2	nd
Isopropylbenzene	0.08	0.8	**0.5 *J***
1,2,3-Trichloropropane	0.02	0.2	nd
Bromobenzene	0.03	0.3	nd
1,1,2,2-Tetrachloroethane	0.02	0.2	nd

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EPA 8260B (mg/kg)	MRL	RL *1:10*	GP-85-0.6-1.0
Date Preserved			6/17/09
Date Analyzed			6/18/09
Matrix			Soil
Dichlorodifluoromethane	0.06	0.6	nd
Chloromethane	0.06	0.6	nd
n-Propylbenzene	0.02	0.2	**1.0**
2-Chlorotoluene	0.02	0.2	nd
4-Chlorotoluene	0.02	0.2	nd
1,3,5-Trimethylbenzene	0.02	0.2	**8.0**
tert-Butylbenzene	0.02	0.2	nd
1,2,4-Trimethylbenzene	0.02	0.2	**7.5**
sec-Butylbenzene	0.02	0.2	**0.9**
1,3-Dichlorobenzene	0.02	0.2	nd
4-Isopropyltoluene	0.02	0.2	**0.8**
1,4-Dichlorobenzene	0.02	0.2	nd
1,2-Dichlorobenzene	0.02	0.2	nd
n-Butylbenzene	0.02	0.2	nd
1,2-Dibromo-3-Chloropropane	0.03	0.3	nd
1,2,4-Trichlorobenzene	0.05	0.5	nd
Hexachloro-1,3-butadiene	0.10	1.0	nd
Naphthalene	0.03	0.3	nd
1,2,3-Trichlorobenzene	1.0	10	nd

Surrogate Recovery	
Dibromofluoromethane	95%
Toluene-d8	90%
1-Bromo-4-fluorobenzene	109%

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Analysis of Volatile Organic Compounds in Soil by EPA Method 8260B

Project: Fox Ave. Task 5
Client: Floyd | Snider
Client Project #: Fox-Ave
Lab Project #: CHM090617-3

EPA 8260B (mg/kg)	MRL	GP-85-7.5-8.0	GP-85-10.0-10.5
Date Preserved		6/17/09	6/17/09
Date Analyzed		6/18/09	6/17/09
Matrix		Soil	Soil
Dichlorodifluoromethane	0.06	nd	nd
Chloromethane	0.06	nd	nd
Vinyl chloride *	0.002	nd	nd
Bromomethane	0.09	nd	nd
Chloroethane	0.06	nd	nd
Trichlorofluoromethane	0.05	nd	nd
1,1-Dichloroethene	0.05	nd	nd
Methylene chloride	0.02	nd	nd
trans-1,2-Dichloroethene	0.02	nd	nd
1,1-Dichloroethane	0.02	nd	nd
2,2-Dichloropropane	0.05	nd	nd
cis-1,2-Dichloroethene	0.02	nd	nd
Chloroform	0.02	nd	nd
1,1-Dichloropropene	0.02	nd	nd
Carbon tetrachloride	0.02	nd	nd
1,1,1-Trichloroethane (TCA)	0.02	nd	nd
Benzene	0.02	nd	nd
1,2-Dichloroethane (EDC)	0.03	nd	nd
Trichloroethene (TCE)	0.03	**0.33**	**0.06**
1,2-Dichloropropane	0.02	nd	nd

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Client Project #: Fox-Ave
Lab Project #: CHM090617-3

EPA 8260B (mg/kg)	MRL	GP-85-7.5-8.0	GP-85-10.0-10.5
Date Preserved		6/17/09	6/17/09
Date Analyzed		6/18/09	6/17/09
Matrix		Soil	Soil
Dichlorodifluoromethane	0.06	nd	nd
Chloromethane	0.06	nd	nd
Dibromomethane	0.04	nd	nd
Bromodichloromethane	0.02	nd	nd
cis-1,3-Dichloropropene	0.02	nd	nd
Toluene	0.02	nd	nd
Trans-1,3-Dichloropropene	0.03	nd	nd
1,1,2-Trichloroethane	0.03	nd	nd
Tetrachloroethene (PCE)	0.02	**8.2**	**4.1**
1,3-Dichloropropane	0.05	nd	nd
Dibromochloromethane	0.03	nd	nd
1,2-Dibromoethane (EDB) *	0.005	nd	nd
Chlorobenzene	0.02	nd	nd
1,1,1,2-Tetrachloroethane	0.03	nd	nd
Ethylbenzene	0.03	nd	nd
Total Xylenes	0.03	nd	**0.10**
Styrenes	0.02	nd	nd
Bromoform	0.02	nd	nd
Isopropylbenzene	0.08	nd	nd
1,2,3-Trichloropropane	0.02	nd	nd
Bromobenzene	0.03	nd	nd
1,1,2,2-Tetrachloroethane	0.02	nd	nd

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Project: Fox Ave. Task 5
Client: Floyd | Snider
Client Project #: Fox-Ave
Lab Project #: CHM090617-3

EPA 8260B (mg/kg)	MRL	GP-85-7.5-8.0	GP-85-10.0-10.5
Date Preserved		6/17/09	6/17/09
Date Analyzed		6/18/09	6/17/09
Matrix		Soil	Soil
Dichlorodifluoromethane	0.06	nd	nd
Chloromethane	0.06	nd	nd
n-Propylbenzene	0.02	nd	nd
2-Chlorotoluene	0.02	nd	nd
4-Chlorotoluene	0.02	nd	nd
1,3,5-Trimethylbenzene	0.02	nd	nd
tert-Butylbenzene	0.02	nd	nd
1,2,4-Trimethylbenzene	0.02	nd	**0.02**
sec-Butylbenzene	0.02	nd	nd
1,3-Dichlorobenzene	0.02	nd	nd
4-Isopropyltoluene	0.02	nd	nd
1,4-Dichlorobenzene	0.02	nd	nd
1,2-Dichlorobenzene	0.02	nd	nd
n-Butylbenzene	0.02	nd	nd
1,2-Dibromo-3-Chloropropane	0.03	nd	nd
1,2,4-Trichlorobenzene	0.05	nd	nd
Hexachloro-1,3-butadiene	0.10	nd	nd
Naphthalene	0.03	nd	nd
1,2,3-Trichlorobenzene	1.0	nd	nd
Surrogate Recovery			
Dibromofluoromethane		106%	73%
Toluene-d8		103%	87%
1-Bromo-4-fluorobenzene		96%	96%

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Client: Floyd | Snider
Client Project #: Fox-Ave
Lab Project #: CHM090617-3

EPA 8260B (mg/kg)	MRL	RL *1:10*	GP-85-17-17.5
Date Preserved			6/17/09
Date Analyzed			6/18/09
Matrix			Soil
Dichlorodifluoromethane	0.06	0.6	nd
Chloromethane	0.06	0.6	nd
Vinyl chloride *	0.002	0.0	nd
Bromomethane	0.09	0.9	nd
Chloroethane	0.06	0.6	nd
Trichlorofluoromethane	0.05	0.5	nd
1,1-Dichloroethene	0.05	0.5	nd
Methylene chloride	0.02	0.2	nd
trans-1,2-Dichloroethene	0.02	0.2	nd
1,1-Dichloroethane	0.02	0.2	nd
2,2-Dichloropropane	0.05	0.5	nd
cis-1,2-Dichloroethene	0.02	0.2	**32**
Chloroform	0.02	0.2	nd
1,1-Dichloropropene	0.02	0.2	nd
Carbon tetrachloride	0.02	0.2	nd
1,1,1-Trichloroethane (TCA)	0.02	0.2	nd
Benzene	0.02	0.2	nd
1,2-Dichloroethane (EDC)	0.03	0.3	nd
Trichloroethene (TCE)	0.03	0.3	**2.9**
1,2-Dichloropropane	0.02	0.2	nd

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Analysis of Volatile Organic Compounds in Soil by EPA Method 8260B

Project: Fox Ave. Task 5
Client: Floyd | Snider
Client Project #: Fox-Ave
Lab Project #: CHM090617-3

EPA 8260B (mg/kg)	MRL	RL *1:10*	GP-85-17-17.5
Date Preserved			6/17/09
Date Analyzed			6/18/09
Matrix			Soil
Dichlorodifluoromethane	0.06	0.6	nd
Chloromethane	0.06	0.6	nd
Dibromomethane	0.04	0.4	nd
Bromodichloromethane	0.02	0.2	nd
cis-1,3-Dichloropropene	0.02	0.2	nd
Toluene	0.02	0.2	**4.8**
Trans-1,3-Dichloropropene	0.03	0.3	nd
1,1,2-Trichloroethane	0.03	0.3	nd
Tetrachloroethene (PCE)	0.02	0.2	**2.4**
1,3-Dichloropropane	0.05	0.5	nd
Dibromochloromethane	0.03	0.3	nd
1,2-Dibromoethane (EDB) *	0.005	0.1	nd
Chlorobenzene	0.02	0.2	nd
1,1,1,2-Tetrachloroethane	0.03	0.3	nd
Ethylbenzene	0.03	0.3	**0.1 *J***
Total Xylenes	0.03	0.3	nd
Styrenes	0.02	0.2	nd
Bromoform	0.02	0.2	nd
Isopropylbenzene	0.08	0.8	nd
1,2,3-Trichloropropane	0.02	0.2	nd
Bromobenzene	0.03	0.3	nd
1,1,2,2-Tetrachloroethane	0.02	0.2	nd

"nd" Indicates not detected at listed reporting limits
"int" Indicates that interference prevents determination
* Instrument Detection Limit
"J" Indicates estimated value
"MRL" Indicates Method Reporting Limit
"LCS" Indicates Laboratory Control Sample
"MS" Indicates Matrix Spike
"MSD" Indicates Matrix Spike Duplicate
"RPD" Indicates Relative Percent Difference

Acceptable RPD is determined to be less than 30%
Acceptable Recovery Limits:
Surrogate = 65% to 135%
LCS, LCSD, MS, MSD = 65% to 135%
Surrogates and Spike Concentration = 0.5 mg/kg

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Analysis of Volatile Organic Compounds in Soil by EPA Method 8260B

Project: Fox Ave. Task 5
Client: Floyd | Snider
Client Project #: Fox-Ave
Lab Project #: CHM090617-3

EPA 8260B (mg/kg)	MRL	RL *1:10*	GP-85-17-17.5
Date Preserved			6/17/09
Date Analyzed			6/18/09
Matrix			Soil
Dichlorodifluoromethane	0.06	0.6	nd
Chloromethane	0.06	0.6	nd
n-Propylbenzene	0.02	0.2	nd
2-Chlorotoluene	0.02	0.2	nd
4-Chlorotoluene	0.02	0.2	nd
1,3,5-Trimethylbenzene	0.02	0.2	nd
tert-Butylbenzene	0.02	0.2	nd
1,2,4-Trimethylbenzene	0.02	0.2	nd
sec-Butylbenzene	0.02	0.2	nd
1,3-Dichlorobenzene	0.02	0.2	nd
4-Isopropyltoluene	0.02	0.2	nd
1,4-Dichlorobenzene	0.02	0.2	nd
1,2-Dichlorobenzene	0.02	0.2	nd
n-Butylbenzene	0.02	0.2	nd
1,2-Dibromo-3-Chloropropane	0.03	0.3	nd
1,2,4-Trichlorobenzene	0.05	0.5	nd
Hexachloro-1,3-butadiene	0.10	1.0	nd
Naphthalene	0.03	0.3	nd
1,2,3-Trichlorobenzene	1.0	10	nd

Surrogate Recovery	
Dibromofluoromethane	101%
Toluene-d8	96%
1-Bromo-4-fluorobenzene	96%

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Analysis of Volatile Organic Compounds in Soil by EPA Method 8260B

Project: Fox Ave. Task 5
Client: Floyd | Snider
Client Project #: Fox-Ave
Lab Project #: CHM090617-3

EPA 8260B (mg/kg)	MRL	GP-85-55.0-55.0	GP-85-62-62.5	GP-84-6.0-6.5
Date Preserved		6/17/09	6/17/09	6/17/09
Date Analyzed		6/17/09	6/17/09	6/17/09
Matrix		Soil	Soil	Soil
Dichlorodifluoromethane	0.06	nd	nd	nd
Chloromethane	0.06	nd	nd	nd
Vinyl chloride *	0.002	nd	nd	nd
Bromomethane	0.09	nd	nd	nd
Chloroethane	0.06	nd	nd	nd
Trichlorofluoromethane	0.05	nd	nd	nd
1,1-Dichloroethene	0.05	nd	nd	nd
Methylene chloride	0.02	nd	nd	nd
trans-1,2-Dichloroethene	0.02	nd	nd	nd
1,1-Dichloroethane	0.02	nd	nd	nd
2,2-Dichloropropane	0.05	nd	nd	nd
cis-1,2-Dichloroethene	0.02	nd	nd	nd
Chloroform	0.02	nd	nd	nd
1,1-Dichloropropene	0.02	nd	nd	nd
Carbon tetrachloride	0.02	nd	nd	nd
1,1,1-Trichloroethane (TCA)	0.02	nd	nd	nd
Benzene	0.02	nd	nd	nd
1,2-Dichloroethane (EDC)	0.03	nd	nd	nd
Trichloroethene (TCE)	0.03	nd	nd	**0.13**
1,2-Dichloropropane	0.02	nd	nd	nd

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Project: Fox Ave. Task 5
Client: Floyd | Snider
Client Project #: Fox-Ave
Lab Project #: CHM090617-3

EPA 8260B (mg/kg)	MRL	GP-85-55.0-55.0	GP-85-62-62.5	GP-84-6.0-6.5
Date Preserved		6/17/09	6/17/09	6/17/09
Date Analyzed		6/17/09	6/17/09	6/17/09
Matrix		Soil	Soil	Soil
Dichlorodifluoromethane	0.06	nd	nd	nd
Chloromethane	0.06	nd	nd	nd
Dibromomethane	0.04	nd	nd	nd
Bromodichloromethane	0.02	nd	nd	nd
cis-1,3-Dichloropropene	0.02	nd	nd	nd
Toluene	0.02	nd	nd	nd
Trans-1,3-Dichloropropene	0.03	nd	nd	nd
1,1,2-Trichloroethane	0.03	nd	nd	nd
Tetrachloroethene (PCE)	0.02	**0.05**	nd	**6.7**
1,3-Dichloropropane	0.05	nd	nd	nd
Dibromochloromethane	0.03	nd	nd	nd
1,2-Dibromoethane (EDB) *	0.005	nd	nd	nd
Chlorobenzene	0.02	nd	nd	nd
1,1,1,2-Tetrachloroethane	0.03	nd	nd	nd
Ethylbenzene	0.03	nd	nd	nd
Total Xylenes	0.03	nd	nd	nd
Styrenes	0.02	nd	nd	nd
Bromoform	0.02	nd	nd	nd
Isopropylbenzene	0.08	nd	nd	nd
1,2,3-Trichloropropane	0.02	nd	nd	nd
Bromobenzene	0.03	nd	nd	nd
1,1,2,2-Tetrachloroethane	0.02	nd	nd	nd

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Project: Fox Ave. Task 5
Client: Floyd | Snider
Client Project #: Fox-Ave
Lab Project #: CHM090617-3

EPA 8260B (mg/kg)	MRL	GP-85-55.0-55.0	GP-85-62-62.5	GP-84-6.0-6.5
Date Preserved		6/17/09	6/17/09	6/17/09
Date Analyzed		6/17/09	6/17/09	6/17/09
Matrix		Soil	Soil	Soil
Dichlorodifluoromethane	0.06	nd	nd	nd
Chloromethane	0.06	nd	nd	nd
n-Propylbenzene	0.02	nd	nd	nd
2-Chlorotoluene	0.02	nd	nd	nd
4-Chlorotoluene	0.02	nd	nd	nd
1,3,5-Trimethylbenzene	0.02	nd	nd	nd
tert-Butylbenzene	0.02	nd	nd	nd
1,2,4-Trimethylbenzene	0.02	nd	nd	nd
sec-Butylbenzene	0.02	nd	nd	nd
1,3-Dichlorobenzene	0.02	nd	nd	nd
4-Isopropyltoluene	0.02	nd	nd	nd
1,4-Dichlorobenzene	0.02	nd	nd	nd
1,2-Dichlorobenzene	0.02	nd	nd	nd
n-Butylbenzene	0.02	nd	nd	nd
1,2-Dibromo-3-Chloropropane	0.03	nd	nd	nd
1,2,4-Trichlorobenzene	0.05	nd	nd	nd
Hexachloro-1,3-butadiene	0.10	nd	nd	nd
Naphthalene	0.03	nd	nd	nd
1,2,3-Trichlorobenzene	1.0	nd	nd	nd
Surrogate Recovery				
Dibromofluoromethane		73%	85%	74%
Toluene-d8		89%	89%	91%
1-Bromo-4-fluorobenzene		92%	93%	98%

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Analysis of Volatile Organic Compounds in Soil by EPA Method 8260B

Project: Fox Ave. Task 5
Client: Floyd | Snider
Client Project #: Fox-Ave
Lab Project #: CHM090617-3

EPA 8260B (mg/kg)	MRL	GP-84-12.5-13.0	Duplicate GP-84-12.5-13.0	RPD
Date Preserved		6/17/09	6/17/09	%
Date Analyzed		6/18/09	6/18/09	
Matrix		Soil	Soil	
Dichlorodifluoromethane	0.06	nd	nd	
Chloromethane	0.06	nd	nd	
Vinyl chloride *	0.002	nd	nd	
Bromomethane	0.09	nd	nd	
Chloroethane	0.06	nd	nd	
Trichlorofluoromethane	0.05	nd	nd	
1,1-Dichloroethene	0.05	nd	nd	
Methylene chloride	0.02	nd	nd	
trans-1,2-Dichloroethene	0.02	nd	nd	
1,1-Dichloroethane	0.02	nd	nd	
2,2-Dichloropropane	0.05	nd	nd	
cis-1,2-Dichloroethene	0.02	nd	nd	
Chloroform	0.02	nd	nd	
1,1-Dichloropropene	0.02	nd	nd	
Carbon tetrachloride	0.02	nd	nd	
1,1,1-Trichloroethane (TCA)	0.02	nd	nd	
Benzene	0.02	nd	nd	
1,2-Dichloroethane (EDC)	0.03	nd	nd	
Trichloroethene (TCE)	0.03	nd	nd	
1,2-Dichloropropane	0.02	nd	nd	

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Client: Floyd | Snider
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EPA 8260B (mg/kg)	MRL	GP-84-12.5-13.0	Duplicate GP-84-12.5-13.0	RPD
Date Preserved		6/17/09	6/17/09	%
Date Analyzed		6/18/09	6/18/09	
Matrix		Soil	Soil	
Dichlorodifluoromethane	0.06	nd	nd	
Chloromethane	0.06	nd	nd	
Dibromomethane	0.04	nd	nd	
Bromodichloromethane	0.02	nd	nd	
cis-1,3-Dichloropropene	0.02	nd	nd	
Toluene	0.02	nd	nd	
Trans-1,3-Dichloropropene	0.03	nd	nd	
1,1,2-Trichloroethane	0.03	nd	nd	
Tetrachloroethene (PCE)	0.02	**0.52**	**0.43**	20%
1,3-Dichloropropane	0.05	nd	nd	
Dibromochloromethane	0.03	nd	nd	
1,2-Dibromoethane (EDB) *	0.005	nd	nd	
Chlorobenzene	0.02	nd	nd	
1,1,1,2-Tetrachloroethane	0.03	nd	nd	
Ethylbenzene	0.03	nd	nd	
Total Xylenes	0.03	nd	nd	
Styrenes	0.02	nd	nd	
Bromoform	0.02	nd	nd	
Isopropylbenzene	0.08	nd	nd	
1,2,3-Trichloropropane	0.02	nd	nd	
Bromobenzene	0.03	nd	nd	
1,1,2,2-Tetrachloroethane	0.02	nd	nd	

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Lab Project #: CHM090617-3

EPA 8260B (mg/kg)	MRL	GP-84-12.5-13.0	Duplicate GP-84-12.5-13.0	RPD
Date Preserved		6/17/09	6/17/09	%
Date Analyzed		6/18/09	6/18/09	
Matrix		Soil	Soil	
Dichlorodifluoromethane	0.06	nd	nd	
Chloromethane	0.06	nd	nd	
n-Propylbenzene	0.02	nd	nd	
2-Chlorotoluene	0.02	nd	nd	
4-Chlorotoluene	0.02	nd	nd	
1,3,5-Trimethylbenzene	0.02	nd	nd	
tert-Butylbenzene	0.02	nd	nd	
1,2,4-Trimethylbenzene	0.02	nd	nd	
sec-Butylbenzene	0.02	nd	nd	
1,3-Dichlorobenzene	0.02	nd	nd	
4-Isopropyltoluene	0.02	nd	nd	
1,4-Dichlorobenzene	0.02	nd	nd	
1,2-Dichlorobenzene	0.02	nd	nd	
n-Butylbenzene	0.02	nd	nd	
1,2-Dibromo-3-Chloropropane	0.03	nd	nd	
1,2,4-Trichlorobenzene	0.05	nd	nd	
Hexachloro-1,3-butadiene	0.10	nd	nd	
Naphthalene	0.03	nd	nd	
1,2,3-Trichlorobenzene	1.0	nd	nd	
Surrogate Recovery				
Dibromofluoromethane		83%	76%	
Toluene-d8		91%	80%	
1-Bromo-4-fluorobenzene		100%	96%	

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Analysis of Volatile Organic Compounds in Soil by EPA Method 8260B

Project: Fox Ave. Task 5
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Client Project #: Fox-Ave
Lab Project #: CHM090617-3

EPA 8260B (mg/kg)	MRL	RL *1:10*	GP-84-15.5-16.0
Date Preserved			6/17/09
Date Analyzed			6/18/09
Matrix			Soil
Dichlorodifluoromethane	0.06	0.6	nd
Chloromethane	0.06	0.6	nd
Vinyl chloride *	0.002	0.0	nd
Bromomethane	0.09	0.9	nd
Chloroethane	0.06	0.6	nd
Trichlorofluoromethane	0.05	0.5	nd
1,1-Dichloroethene	0.05	0.5	nd
Methylene chloride	0.02	0.2	nd
trans-1,2-Dichloroethene	0.02	0.2	nd
1,1-Dichloroethane	0.02	0.2	nd
2,2-Dichloropropane	0.05	0.5	nd
cis-1,2-Dichloroethene	0.02	0.2	**2.4**
Chloroform	0.02	0.2	nd
1,1-Dichloropropene	0.02	0.2	nd
Carbon tetrachloride	0.02	0.2	nd
1,1,1-Trichloroethane (TCA)	0.02	0.2	**1.7**
Benzene	0.02	0.2	nd
1,2-Dichloroethane (EDC)	0.03	0.3	nd
Trichloroethene (TCE)	0.03	**0.3**	**72**
1,2-Dichloropropane	0.02	0.2	nd

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EPA 8260B (mg/kg)	MRL	RL *1:10*	GP-84-15.5-16.0
Date Preserved			6/17/09
Date Analyzed			6/18/09
Matrix			Soil
Dichlorodifluoromethane	0.06	0.6	nd
Chloromethane	0.06	0.6	nd
Dibromomethane	0.04	0.4	nd
Bromodichloromethane	0.02	0.2	nd
cis-1,3-Dichloropropene	0.02	0.2	nd
Toluene	0.02	0.2	**41**
Trans-1,3-Dichloropropene	0.03	0.3	nd
1,1,2-Trichloroethane	0.03	0.3	nd
Tetrachloroethene (PCE)	0.02	0.2	**>1700**
1,3-Dichloropropane	0.05	0.5	nd
Dibromochloromethane	0.03	0.3	nd
1,2-Dibromoethane (EDB) *	0.005	0.1	nd
Chlorobenzene	0.02	0.2	nd
1,1,1,2-Tetrachloroethane	0.03	0.3	nd
Ethylbenzene	0.03	0.3	**8.1**
Total Xylenes	0.03	0.3	**63**
Styrenes	0.02	0.2	nd
Bromoform	0.02	0.2	nd
Isopropylbenzene	0.08	0.8	**2.5**
1,2,3-Trichloropropane	0.02	0.2	nd
Bromobenzene	0.03	0.3	nd
1,1,2,2-Tetrachloroethane	0.02	0.2	nd

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EPA 8260B (mg/kg)	MRL	RL *1:10*	GP-84-15.5-16.0
Date Preserved			6/17/09
Date Analyzed			6/18/09
Matrix			Soil
Dichlorodifluoromethane	0.06	0.6	nd
Chloromethane	0.06	0.6	nd
n-Propylbenzene	0.02	0.2	**5.5**
2-Chlorotoluene	0.02	0.2	nd
4-Chlorotoluene	0.02	0.2	nd
1,3,5-Trimethylbenzene	0.02	0.2	**16**
tert-Butylbenzene	0.02	0.2	nd
1,2,4-Trimethylbenzene	0.02	**0.2**	**45**
sec-Butylbenzene	0.02	0.2	**3.0**
1,3-Dichlorobenzene	0.02	0.2	nd
4-Isopropyltoluene	0.02	0.2	**3.6**
1,4-Dichlorobenzene	0.02	0.2	nd
1,2-Dichlorobenzene	0.02	0.2	nd
n-Butylbenzene	0.02	0.2	nd
1,2-Dibromo-3-Chloropropane	0.03	0.3	nd
1,2,4-Trichlorobenzene	0.05	0.5	nd
Hexachloro-1,3-butadiene	0.10	1.0	nd
Naphthalene	0.03	0.3	nd
1,2,3-Trichlorobenzene	1.0	10	nd

Surrogate Recovery	
Dibromofluoromethane	99%
Toluene-d8	99%
1-Bromo-4-fluorobenzene	int

"nd" Indicates not detected at listed reporting limits
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"MSD" Indicates Matrix Spike Duplicate
"RPD" Indicates Relative Percent Difference

Acceptable RPD is determined to be less than 30%
Acceptable Recovery Limits:
Surrogate = 65% to 135%
LCS, LCSD, MS, MSD = 65% to 135%
Surrogates and Spike Concentration = 0.5 mg/kg

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Analysis of Volatile Organic Compounds in Soil by EPA Method 8260B

Project: Fox Ave. Task 5
Client: Floyd | Snider
Client Project #: Fox-Ave
Lab Project #: CHM090617-3

EPA 8260B (mg/kg)	MRL	GP-84-30.5-31.0
Date Preserved		6/17/09
Date Analyzed		6/18/09
Matrix		Soil
Dichlorodifluoromethane	0.06	nd
Chloromethane	0.06	nd
Vinyl chloride *	0.002	nd
Bromomethane	0.09	nd
Chloroethane	0.06	nd
Trichlorofluoromethane	0.05	nd
1,1-Dichloroethene	0.05	nd
Methylene chloride	0.02	nd
trans-1,2-Dichloroethene	0.02	nd
1,1-Dichloroethane	0.02	nd
2,2-Dichloropropane	0.05	nd
cis-1,2-Dichloroethene	0.02	nd
Chloroform	0.02	nd
1,1-Dichloropropene	0.02	nd
Carbon tetrachloride	0.02	nd
1,1,1-Trichloroethane (TCA)	0.02	nd
Benzene	0.02	nd
1,2-Dichloroethane (EDC)	0.03	nd
Trichloroethene (TCE)	0.03	nd
1,2-Dichloropropane	0.02	nd

"nd" Indicates not detected at listed reporting limits
"int" Indicates that interference prevents determination
* Instrument Detection Limit
"J" Indicates estimated value
"MRL" Indicates Method Reporting Limit
"LCS" Indicates Laboratory Control Sample
"MS" Indicates Matrix Spike
"MSD" Indicates Matrix Spike Duplicate
"RPD" Indicates Relative Percent Difference

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Analysis of Volatile Organic Compounds in Soil by EPA Method 8260B

Project: Fox Ave. Task 5
Client: Floyd | Snider
Client Project #: Fox-Ave
Lab Project #: CHM090617-3

EPA 8260B (mg/kg)	MRL	GP-84-30.5-31.0
Date Preserved		6/17/09
Date Analyzed		6/18/09
Matrix		Soil
Dichlorodifluoromethane	0.06	nd
Chloromethane	0.06	nd
Dibromomethane	0.04	nd
Bromodichloromethane	0.02	nd
cis-1,3-Dichloropropene	0.02	nd
Toluene	0.02	nd
Trans-1,3-Dichloropropene	0.03	nd
1,1,2-Trichloroethane	0.03	nd
Tetrachloroethene (PCE)	0.02	**0.04**
1,3-Dichloropropane	0.05	nd
Dibromochloromethane	0.03	nd
1,2-Dibromoethane (EDB) *	0.005	nd
Chlorobenzene	0.02	nd
1,1,1,2-Tetrachloroethane	0.03	nd
Ethylbenzene	0.03	nd
Total Xylenes	0.03	nd
Styrenes	0.02	nd
Bromoform	0.02	nd
Isopropylbenzene	0.08	nd
1,2,3-Trichloropropane	0.02	nd
Bromobenzene	0.03	nd
1,1,2,2-Tetrachloroethane	0.02	nd

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"J" Indicates estimated value
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Analysis of Volatile Organic Compounds in Soil by EPA Method 8260B

Project: Fox Ave. Task 5
Client: Floyd | Snider
Client Project #: Fox-Ave
Lab Project #: CHM090617-3

EPA 8260B (mg/kg)	MRL	GP-84-30.5-31.0
Date Preserved		6/17/09
Date Analyzed		6/18/09
Matrix		Soil
Dichlorodifluoromethane	0.06	nd
Chloromethane	0.06	nd
n-Propylbenzene	0.02	nd
2-Chlorotoluene	0.02	nd
4-Chlorotoluene	0.02	nd
1,3,5-Trimethylbenzene	0.02	nd
tert-Butylbenzene	0.02	nd
1,2,4-Trimethylbenzene	0.02	nd
sec-Butylbenzene	0.02	nd
1,3-Dichlorobenzene	0.02	nd
4-Isopropyltoluene	0.02	nd
1,4-Dichlorobenzene	0.02	nd
1,2-Dichlorobenzene	0.02	nd
n-Butylbenzene	0.02	nd
1,2-Dibromo-3-Chloropropane	0.03	nd
1,2,4-Trichlorobenzene	0.05	nd
Hexachloro-1,3-butadiene	0.10	nd
Naphthalene	0.03	**2.0**
1,2,3-Trichlorobenzene	1.0	nd

Surrogate Recovery	
Dibromofluoromethane	82%
Toluene-d8	90%
1-Bromo-4-fluorobenzene	97%

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Analysis of Volatile Organic Compounds in Soil by EPA Method 8260B

Project: Fox Ave. Task 5
Client: Floyd | Snider
Client Project #: Fox-Ave
Lab Project #: CHM090617-3

EPA 8260B (mg/kg)	MRL	RL *1:10*	GP-84-51.0-51.5
Date Preserved			6/17/09
Date Analyzed			6/18/09
Matrix			Soil
Dichlorodifluoromethane	0.06	0.6	nd
Chloromethane	0.06	0.6	nd
Vinyl chloride *	0.002	0.0	nd
Bromomethane	0.09	0.9	nd
Chloroethane	0.06	0.6	nd
Trichlorofluoromethane	0.05	0.5	nd
1,1-Dichloroethene	0.05	0.5	nd
Methylene chloride	0.02	0.2	nd
trans-1,2-Dichloroethene	0.02	0.2	nd
1,1-Dichloroethane	0.02	0.2	nd
2,2-Dichloropropane	0.05	0.5	nd
cis-1,2-Dichloroethene	0.02	0.2	nd
Chloroform	0.02	0.2	nd
1,1-Dichloropropene	0.02	0.2	nd
Carbon tetrachloride	0.02	0.2	nd
1,1,1-Trichloroethane (TCA)	0.02	0.2	nd
Benzene	0.02	0.2	nd
1,2-Dichloroethane (EDC)	0.03	0.3	nd
Trichloroethene (TCE)	0.03	0.3	**0.9**
1,2-Dichloropropane	0.02	0.2	nd

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"J" Indicates estimated value
"MRL" Indicates Method Reporting Limit
"LCS" Indicates Laboratory Control Sample
"MS" Indicates Matrix Spike
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Analysis of Volatile Organic Compounds in Soil by EPA Method 8260B

Project: Fox Ave. Task 5
Client: Floyd | Snider
Client Project #: Fox-Ave
Lab Project #: CHM090617-3

EPA 8260B (mg/kg)	MRL	RL *1:10*	GP-84-51.0-51.5
Date Preserved			6/17/09
Date Analyzed			6/18/09
Matrix			Soil
Dichlorodifluoromethane	0.06	0.6	nd
Chloromethane	0.06	0.6	nd
Dibromomethane	0.04	0.4	nd
Bromodichloromethane	0.02	0.2	nd
cis-1,3-Dichloropropene	0.02	0.2	nd
Toluene	0.02	0.2	nd
Trans-1,3-Dichloropropene	0.03	0.3	nd
1,1,2-Trichloroethane	0.03	0.3	nd
Tetrachloroethene (PCE)	0.02	0.2	**7.8**
1,3-Dichloropropane	0.05	0.5	nd
Dibromochloromethane	0.03	0.3	nd
1,2-Dibromoethane (EDB) *	0.005	0.1	nd
Chlorobenzene	0.02	0.2	nd
1,1,1,2-Tetrachloroethane	0.03	0.3	nd
Ethylbenzene	0.03	0.3	nd
Total Xylenes	0.03	0.3	nd
Styrenes	0.02	0.2	nd
Bromoform	0.02	0.2	nd
Isopropylbenzene	0.08	0.8	nd
1,2,3-Trichloropropane	0.02	0.2	nd
Bromobenzene	0.03	0.3	nd
1,1,2,2-Tetrachloroethane	0.02	0.2	nd

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Project: Fox Ave. Task 5
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EPA 8260B (mg/kg)	MRL	RL *1:10*	GP-84-51.0-51.5
Date Preserved			6/17/09
Date Analyzed			6/18/09
Matrix			Soil
Dichlorodifluoromethane	0.06	0.6	nd
Chloromethane	0.06	0.6	nd
n-Propylbenzene	0.02	0.2	nd
2-Chlorotoluene	0.02	0.2	nd
4-Chlorotoluene	0.02	0.2	nd
1,3,5-Trimethylbenzene	0.02	0.2	nd
tert-Butylbenzene	0.02	0.2	nd
1,2,4-Trimethylbenzene	0.02	0.2	nd
sec-Butylbenzene	0.02	0.2	nd
1,3-Dichlorobenzene	0.02	0.2	nd
4-Isopropyltoluene	0.02	0.2	nd
1,4-Dichlorobenzene	0.02	0.2	nd
1,2-Dichlorobenzene	0.02	0.2	nd
n-Butylbenzene	0.02	0.2	nd
1,2-Dibromo-3-Chloropropane	0.03	0.3	nd
1,2,4-Trichlorobenzene	0.05	0.5	nd
Hexachloro-1,3-butadiene	0.10	1.0	nd
Naphthalene	0.03	0.3	nd
1,2,3-Trichlorobenzene	1.0	10	nd

Surrogate Recovery	
Dibromofluoromethane	100%
Toluene-d8	99%
1-Bromo-4-fluorobenzene	98%

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Analysis of Volatile Organic Compounds in Soil by EPA Method 8260B

Project: Fox Ave. Task 5
Client: Floyd | Snider
Client Project #: Fox-Ave
Lab Project #: CHM090617-3

EPA 8260B (mg/kg)	MRL	GP-84-57.0-57.5	GP-84-62.0-62.5	GP-81-6.0-6.4	GP-81-9.0-9.5
Date Preserved		6/17/09	6/17/09	6/17/09	6/17/09
Date Analyzed		6/18/09	6/18/09	6/18/09	6/18/09
Matrix		Soil	Soil	Soil	Soil
Dichlorodifluoromethane	0.06	nd	nd	nd	nd
Chloromethane	0.06	nd	nd	nd	nd
Vinyl chloride *	0.002	nd	nd	nd	nd
Bromomethane	0.09	nd	nd	nd	nd
Chloroethane	0.06	nd	nd	nd	nd
Trichlorofluoromethane	0.05	nd	nd	nd	nd
1,1-Dichloroethene	0.05	nd	nd	nd	nd
Methylene chloride	0.02	nd	nd	nd	nd
trans-1,2-Dichloroethene	0.02	nd	nd	nd	nd
1,1-Dichloroethane	0.02	nd	nd	nd	nd
2,2-Dichloropropane	0.05	nd	nd	nd	nd
cis-1,2-Dichloroethene	0.02	nd	nd	nd	nd
Chloroform	0.02	nd	nd	nd	nd
1,1-Dichloropropene	0.02	nd	nd	nd	nd
Carbon tetrachloride	0.02	nd	nd	nd	nd
1,1,1-Trichloroethane (TCA)	0.02	nd	nd	nd	nd
Benzene	0.02	nd	nd	nd	nd
1,2-Dichloroethane (EDC)	0.03	nd	nd	nd	nd
Trichloroethene (TCE)	0.03	nd	nd	nd	nd
1,2-Dichloropropane	0.02	nd	nd	nd	nd

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Project: Fox Ave. Task 5
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EPA 8260B (mg/kg)	MRL	GP-84-57.0-57.5	GP-84-62.0-62.5	GP-81-6.0-6.4	GP-81-9.0-9.5
Date Preserved		6/17/09	6/17/09	6/17/09	6/17/09
Date Analyzed		6/18/09	6/18/09	6/18/09	6/18/09
Matrix		Soil	Soil	Soil	Soil
Dichlorodifluoromethane	0.06	nd	nd	nd	nd
Chloromethane	0.06	nd	nd	nd	nd
Dibromomethane	0.04	nd	nd	nd	nd
Bromodichloromethane	0.02	nd	nd	nd	nd
cis-1,3-Dichloropropene	0.02	nd	nd	nd	nd
Toluene	0.02	nd	nd	nd	nd
Trans-1,3-Dichloropropene	0.03	nd	nd	nd	nd
1,1,2-Trichloroethane	0.03	nd	nd	nd	nd
Tetrachloroethene (PCE)	0.02	**0.03**	nd	nd	nd
1,3-Dichloropropane	0.05	nd	nd	nd	nd
Dibromochloromethane	0.03	nd	nd	nd	nd
1,2-Dibromoethane (EDB) *	0.005	nd	nd	nd	nd
Chlorobenzene	0.02	nd	nd	nd	nd
1,1,1,2-Tetrachloroethane	0.03	nd	nd	nd	nd
Ethylbenzene	0.03	nd	nd	nd	nd
Total Xylenes	0.03	nd	nd	nd	nd
Styrenes	0.02	nd	nd	nd	nd
Bromoform	0.02	nd	nd	nd	nd
Isopropylbenzene	0.08	nd	nd	nd	nd
1,2,3-Trichloropropane	0.02	nd	nd	nd	nd
Bromobenzene	0.03	nd	nd	nd	nd
1,1,2,2-Tetrachloroethane	0.02	nd	nd	nd	nd

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Analysis of Volatile Organic Compounds in Soil by EPA Method 8260B

Project: Fox Ave. Task 5
Client: Floyd | Snider
Client Project #: Fox-Ave
Lab Project #: CHM090617-3

EPA 8260B (mg/kg)	MRL	GP-84-57.0-57.5	GP-84-62.0-62.5	GP-81-6.0-6.4	GP-81-9.0-9.5
Date Preserved		6/17/09	6/17/09	6/17/09	6/17/09
Date Analyzed		6/18/09	6/18/09	6/18/09	6/18/09
Matrix		Soil	Soil	Soil	Soil
Dichlorodifluoromethane	0.06	nd	nd	nd	nd
Chloromethane	0.06	nd	nd	nd	nd
n-Propylbenzene	0.02	nd	nd	nd	nd
2-Chlorotoluene	0.02	nd	nd	nd	nd
4-Chlorotoluene	0.02	nd	nd	nd	nd
1,3,5-Trimethylbenzene	0.02	nd	nd	nd	nd
tert-Butylbenzene	0.02	nd	nd	nd	nd
1,2,4-Trimethylbenzene	0.02	nd	nd	nd	nd
sec-Butylbenzene	0.02	nd	nd	nd	nd
1,3-Dichlorobenzene	0.02	nd	nd	nd	nd
4-Isopropyltoluene	0.02	nd	nd	nd	nd
1,4-Dichlorobenzene	0.02	nd	nd	nd	nd
1,2-Dichlorobenzene	0.02	nd	nd	nd	nd
n-Butylbenzene	0.02	nd	nd	nd	nd
1,2-Dibromo-3-Chloropropane	0.03	nd	nd	nd	nd
1,2,4-Trichlorobenzene	0.05	nd	nd	nd	nd
Hexachloro-1,3-butadiene	0.10	nd	nd	nd	nd
Naphthalene	0.03	nd	nd	nd	nd
1,2,3-Trichlorobenzene	1.0	nd	nd	nd	nd
Surrogate Recovery					
Dibromofluoromethane		69%	62%	70%	87%
Toluene-d8		86%	85%	79%	86%
1-Bromo-4-fluorobenzene		96%	95%	95%	94%

"nd" Indicates not detected at listed reporting limits
"int" Indicates that interference prevents determination
* Instrument Detection Limit
"J" Indicates estimated value
"MRL" Indicates Method Reporting Limit
"LCS" Indicates Laboratory Control Sample
"MS" Indicates Matrix Spike
"MSD" Indicates Matrix Spike Duplicate
"RPD" Indicates Relative Percent Difference

Acceptable RPD is determined to be less than 30%
Acceptable Recovery Limits:
Surrogate = 65% to 135%
LCS, LCSD, MS, MSD = 65% to 135%
Surrogates and Spike Concentration = 0.5 mg/kg

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Analysis of Volatile Organic Compounds in Soil by EPA Method 8260B

Project: Fox Ave. Task 5
Client: Floyd | Snider
Client Project #: Fox-Ave
Lab Project #: CHM090617-3

			Duplicate		
EPA 8260B (mg/kg)	**MRL**	**GP-81-52.0-53.0**	**GP-81-52.0-53.0**	**RPD**	**GP-81D-52.0-53.0**
Date Preserved		6/17/09	6/17/09	%	6/17/09
Date Analyzed		6/18/09	6/18/09		6/18/09
Matrix		Soil	Soil		Soil
Dichlorodifluoromethane	0.06	nd	nd		nd
Chloromethane	0.06	nd	nd		nd
Vinyl chloride *	0.002	nd	nd		nd
Bromomethane	0.09	nd	nd		nd
Chloroethane	0.06	nd	nd		nd
Trichlorofluoromethane	0.05	nd	nd		nd
1,1-Dichloroethene	0.05	nd	nd		nd
Methylene chloride	0.02	nd	nd		nd
trans-1,2-Dichloroethene	0.02	nd	nd		nd
1,1-Dichloroethane	0.02	nd	nd		nd
2,2-Dichloropropane	0.05	nd	nd		nd
cis-1,2-Dichloroethene	0.02	**0.02**	**0.03**	40%	**0.03**
Chloroform	0.02	nd	nd		nd
1,1-Dichloropropene	0.02	nd	nd		nd
Carbon tetrachloride	0.02	nd	nd		nd
1,1,1-Trichloroethane (TCA)	0.02	nd	nd		nd
Benzene	0.02	nd	nd		nd
1,2-Dichloroethane (EDC)	0.03	nd	nd		nd
Trichloroethene (TCE)	0.03	**12**	**15**	22%	**11**
1,2-Dichloropropane	0.02	nd	nd		nd

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"MRL" Indicates Method Reporting Limit
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"MS" Indicates Matrix Spike
"MSD" Indicates Matrix Spike Duplicate
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LCS, LCSD, MS, MSD = 65% to 135%
Surrogates and Spike Concentration = 0.5 mg/kg

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Analysis of Volatile Organic Compounds in Soil by EPA Method 8260B

Project: Fox Ave. Task 5
Client: Floyd | Snider
Client Project #: Fox-Ave
Lab Project #: CHM090617-3

EPA 8260B (mg/kg)	MRL	GP-81-52.0-53.0	Duplicate GP-81-52.0-53.0	RPD	GP-81D-52.0-53.0
Date Preserved		6/17/09	6/17/09	%	6/17/09
Date Analyzed		6/18/09	6/18/09		6/18/09
Matrix		Soil	Soil		Soil
Dichlorodifluoromethane	0.06	nd	nd		nd
Chloromethane	0.06	nd	nd		nd
Dibromomethane	0.04	nd	nd		nd
Bromodichloromethane	0.02	nd	nd		nd
cis-1,3-Dichloropropene	0.02	nd	nd		nd
Toluene	0.02	nd	nd		nd
Trans-1,3-Dichloropropene	0.03	nd	nd		nd
1,1,2-Trichloroethane	0.03	nd	nd		nd
Tetrachloroethene (PCE)	0.02	**0.27**	**0.37**	30%	**0.62**
1,3-Dichloropropane	0.05	nd	nd		nd
Dibromochloromethane	0.03	nd	nd		nd
1,2-Dibromoethane (EDB) *	0.005	nd	nd		nd
Chlorobenzene	0.02	nd	nd		nd
1,1,1,2-Tetrachloroethane	0.03	nd	nd		nd
Ethylbenzene	0.03	nd	nd		nd
Total Xylenes	0.03	nd	nd		nd
Styrenes	0.02	nd	nd		nd
Bromoform	0.02	nd	nd		nd
Isopropylbenzene	0.08	**0.06**	**0.08**	25%	**0.14**
1,2,3-Trichloropropane	0.02	nd	nd		nd
Bromobenzene	0.03	nd	nd		nd
1,1,2,2-Tetrachloroethane	0.02	nd	nd		nd

"nd" Indicates not detected at listed reporting limits
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* Instrument Detection Limit
"J" Indicates estimated value
"MRL" Indicates Method Reporting Limit
"LCS" Indicates Laboratory Control Sample
"MS" Indicates Matrix Spike
"MSD" Indicates Matrix Spike Duplicate
"RPD" Indicates Relative Percent Difference

Acceptable RPD is determined to be less than 30%
Acceptable Recovery Limits:
Surrogate = 65% to 135%
LCS, LCSD, MS, MSD = 65% to 135%
Surrogates and Spike Concentration = 0.5 mg/kg

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Analysis of Volatile Organic Compounds in Soil by EPA Method 8260B

Project: Fox Ave. Task 5
Client: Floyd | Snider
Client Project #: Fox-Ave
Lab Project #: CHM090617-3

			Duplicate		
EPA 8260B (mg/kg)	**MRL**	**GP-81-52.0-53.0**	**GP-81-52.0-53.0**	**RPD**	**GP-81D-52.0-53.0**
Date Preserved		6/17/09	6/17/09	%	6/17/09
Date Analyzed		6/18/09	6/18/09		6/18/09
Matrix		Soil	Soil		Soil
Dichlorodifluoromethane	0.06	nd	nd		nd
Chloromethane	0.06	nd	nd		nd
n-Propylbenzene	0.02	**0.21**	**0.26**	23%	**0.47**
2-Chlorotoluene	0.02	nd	nd		nd
4-Chlorotoluene	0.02	nd	nd		nd
1,3,5-Trimethylbenzene	0.02	**0.51**	**0.65**	24%	**1.3**
tert-Butylbenzene	0.02	nd	nd		nd
1,2,4-Trimethylbenzene	0.02	**0.05**	**0.06**	29%	**0.16**
sec-Butylbenzene	0.02	**0.11**	**0.14**	29%	**0.33**
1,3-Dichlorobenzene	0.02	nd	nd		nd
4-Isopropyltoluene	0.02	**0.14**	**0.19**	28%	**0.42**
1,4-Dichlorobenzene	0.02	nd	nd		nd
1,2-Dichlorobenzene	0.02	nd	nd		nd
n-Butylbenzene	0.02	nd	nd		nd
1,2-Dibromo-3-Chloropropane	0.03	nd	nd		nd
1,2,4-Trichlorobenzene	0.05	nd	nd		nd
Hexachloro-1,3-butadiene	0.10	nd	nd		nd
Naphthalene	0.03	**0.03**	**0.05**	44%	**0.10**
1,2,3-Trichlorobenzene	1.0	nd	nd		nd
Surrogate Recovery					
Dibromofluoromethane		83%	78%		74%
Toluene-d8		90%	95%		87%
1-Bromo-4-fluorobenzene		125%	129%		*int*

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"J" Indicates estimated value
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"MS" Indicates Matrix Spike
"MSD" Indicates Matrix Spike Duplicate
"RPD" Indicates Relative Percent Difference

Acceptable RPD is determined to be less than 30%
Acceptable Recovery Limits:
Surrogate = 65% to 135%
LCS, LCSD, MS, MSD = 65% to 135%
Surrogates and Spike Concentration = 0.5 mg/kg

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Analysis of Volatile Organic Compounds in Soil by EPA Method 8260B

Project: Fox Ave. Task 5
Client: Floyd | Snider
Client Project #: Fox-Ave
Lab Project #: CHM090617-3

EPA 8260B (mg/kg)	MRL	GP-81-57.0-57.5	GP-81-61.0-61.5
Date Preserved		6/17/09	6/17/09
Date Analyzed		6/18/09	6/18/09
Matrix		Soil	Soil
Dichlorodifluoromethane	0.06	nd	nd
Chloromethane	0.06	nd	nd
Vinyl chloride *	0.002	nd	nd
Bromomethane	0.09	nd	nd
Chloroethane	0.06	nd	nd
Trichlorofluoromethane	0.05	nd	nd
1,1-Dichloroethene	0.05	nd	nd
Methylene chloride	0.02	nd	nd
trans-1,2-Dichloroethene	0.02	nd	nd
1,1-Dichloroethane	0.02	nd	nd
2,2-Dichloropropane	0.05	nd	nd
cis-1,2-Dichloroethene	0.02	nd	**0.02**
Chloroform	0.02	nd	nd
1,1-Dichloropropene	0.02	nd	nd
Carbon tetrachloride	0.02	nd	nd
1,1,1-Trichloroethane (TCA)	0.02	nd	nd
Benzene	0.02	nd	nd
1,2-Dichloroethane (EDC)	0.03	nd	nd
Trichloroethene (TCE)	0.03	**6.2**	**6.0**
1,2-Dichloropropane	0.02	nd	nd

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"MS" Indicates Matrix Spike
"MSD" Indicates Matrix Spike Duplicate
"RPD" Indicates Relative Percent Difference

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Acceptable Recovery Limits:
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LCS, LCSD, MS, MSD = 65% to 135%
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Analysis of Volatile Organic Compounds in Soil by EPA Method 8260B

Project: Fox Ave. Task 5
Client: Floyd | Snider
Client Project #: Fox-Ave
Lab Project #: CHM090617-3

EPA 8260B (mg/kg)	MRL	GP-81-57.0-57.5	GP-81-61.0-61.5
Date Preserved		6/17/09	6/17/09
Date Analyzed		6/18/09	6/18/09
Matrix		Soil	Soil
Dichlorodifluoromethane	0.06	nd	nd
Chloromethane	0.06	nd	nd
Dibromomethane	0.04	nd	nd
Bromodichloromethane	0.02	nd	nd
cis-1,3-Dichloropropene	0.02	nd	nd
Toluene	0.02	nd	nd
Trans-1,3-Dichloropropene	0.03	nd	nd
1,1,2-Trichloroethane	0.03	nd	nd
Tetrachloroethene (PCE)	0.02	nd	**0.36**
1,3-Dichloropropane	0.05	nd	nd
Dibromochloromethane	0.03	nd	nd
1,2-Dibromoethane (EDB) *	0.005	nd	nd
Chlorobenzene	0.02	nd	nd
1,1,1,2-Tetrachloroethane	0.03	nd	nd
Ethylbenzene	0.03	nd	nd
Total Xylenes	0.03	nd	nd
Styrenes	0.02	nd	nd
Bromoform	0.02	nd	nd
Isopropylbenzene	0.08	nd	nd
1,2,3-Trichloropropane	0.02	nd	nd
Bromobenzene	0.03	nd	nd
1,1,2,2-Tetrachloroethane	0.02	nd	nd

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LCS, LCSD, MS, MSD = 65% to 135%
Surrogates and Spike Concentration = 0.5 mg/kg

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Analysis of Volatile Organic Compounds in Soil by EPA Method 8260B

Project: Fox Ave. Task 5
Client: Floyd | Snider
Client Project #: Fox-Ave
Lab Project #: CHM090617-3

EPA 8260B (mg/kg)	MRL	GP-81-57.0-57.5	GP-81-61.0-61.5
Date Preserved		6/17/09	6/17/09
Date Analyzed		6/18/09	6/18/09
Matrix		Soil	Soil
Dichlorodifluoromethane	0.06	nd	nd
Chloromethane	0.06	nd	nd
n-Propylbenzene	0.02	nd	nd
2-Chlorotoluene	0.02	nd	nd
4-Chlorotoluene	0.02	nd	nd
1,3,5-Trimethylbenzene	0.02	nd	nd
tert-Butylbenzene	0.02	nd	nd
1,2,4-Trimethylbenzene	0.02	nd	nd
sec-Butylbenzene	0.02	nd	nd
1,3-Dichlorobenzene	0.02	nd	nd
4-Isopropyltoluene	0.02	nd	nd
1,4-Dichlorobenzene	0.02	nd	nd
1,2-Dichlorobenzene	0.02	nd	nd
n-Butylbenzene	0.02	nd	nd
1,2-Dibromo-3-Chloropropane	0.03	nd	nd
1,2,4-Trichlorobenzene	0.05	nd	nd
Hexachloro-1,3-butadiene	0.10	nd	nd
Naphthalene	0.03	nd	nd
1,2,3-Trichlorobenzene	1.0	nd	nd
Surrogate Recovery			
Dibromofluoromethane		83%	97%
Toluene-d8		89%	94%
1-Bromo-4-fluorobenzene		94%	97%

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Analysis of Volatile Organic Compounds in Soil by EPA Method 8260B

Project: Fox Ave. Task 5
Client: Floyd | Snider
Client Project #: Fox-Ave
Lab Project #: CHM090617-3

		MS	MSD	
EPA 8260B (mg/kg)	**MRL**	**GP-81-52.0-53.0**	**GP-81-52.0-53.0**	**RPD**
Date Preserved		6/17/09	6/17/09	%
Date Analyzed		6/18/09	6/18/09	
Matrix		Soil	Soil	
Dichlorodifluoromethane	0.06			
Chloromethane	0.06			
Vinyl chloride *	0.002			
Bromomethane	0.09			
Chloroethane	0.06			
Trichlorofluoromethane	0.05			
1,1-Dichloroethene	0.05	93%	86%	7%
Methylene chloride	0.02			
trans-1,2-Dichloroethene	0.02			
1,1-Dichloroethane	0.02			
2,2-Dichloropropane	0.05			
cis-1,2-Dichloroethene	0.02			
Chloroform	0.02			
1,1-Dichloropropene	0.02			
Carbon tetrachloride	0.02			
1,1,1-Trichloroethane (TCA)	0.02			
Benzene	0.02	90%	86%	4%
1,2-Dichloroethane (EDC)	0.03			
Trichloroethene (TCE)	0.03	*int*	*int*	
1,2-Dichloropropane	0.02			

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Analysis of Volatile Organic Compounds in Soil by EPA Method 8260B

Project: Fox Ave. Task 5
Client: Floyd | Snider
Client Project #: Fox-Ave
Lab Project #: CHM090617-3

		MS	MSD	
EPA 8260B (mg/kg)	**MRL**	**GP-81-52.0-53.0**	**GP-81-52.0-53.0**	**RPD**
Date Preserved		6/17/09	6/17/09	%
Date Analyzed		6/18/09	6/18/09	
Matrix		Soil	Soil	
Dichlorodifluoromethane	0.06			
Chloromethane	0.06			
Dibromomethane	0.04			
Bromodichloromethane	0.02			
cis-1,3-Dichloropropene	0.02			
Toluene	0.02	94%	87%	7%
Trans-1,3-Dichloropropene	0.03			
1,1,2-Trichloroethane	0.03			
Tetrachloroethene (PCE)	0.02			
1,3-Dichloropropane	0.05			
Dibromochloromethane	0.03			
1,2-Dibromoethane (EDB) *	0.005			
Chlorobenzene	0.02	94%	91%	3%
1,1,1,2-Tetrachloroethane	0.03			
Ethylbenzene	0.03			
Total Xylenes	0.03			
Styrenes	0.02			
Bromoform	0.02			
Isopropylbenzene	0.08			
1,2,3-Trichloropropane	0.02			
Bromobenzene	0.03			
1,1,2,2-Tetrachloroethane	0.02			

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Surrogates and Spike Concentration = 0.5 mg/kg

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Analysis of Volatile Organic Compounds in Soil by EPA Method 8260B

Project: Fox Ave. Task 5
Client: Floyd | Snider
Client Project #: Fox-Ave
Lab Project #: CHM090617-3

EPA 8260B (mg/kg)	MRL	MS GP-81-52.0-53.0	MSD GP-81-52.0-53.0	RPD
Date Preserved		6/17/09	6/17/09	%
Date Analyzed		6/18/09	6/18/09	
Matrix		Soil	Soil	
Dichlorodifluoromethane	0.06			
Chloromethane	0.06			
n-Propylbenzene	0.02			
2-Chlorotoluene	0.02			
4-Chlorotoluene	0.02			
1,3,5-Trimethylbenzene	0.02			
tert-Butylbenzene	0.02			
1,2,4-Trimethylbenzene	0.02			
sec-Butylbenzene	0.02			
1,3-Dichlorobenzene	0.02			
4-Isopropyltoluene	0.02			
1,4-Dichlorobenzene	0.02			
1,2-Dichlorobenzene	0.02			
n-Butylbenzene	0.02			
1,2-Dibromo-3-Chloropropane	0.03			
1,2,4-Trichlorobenzene	0.05			
Hexachloro-1,3-butadiene	0.10			
Naphthalene	0.03			
1,2,3-Trichlorobenzene	1.0			
Surrogate Recovery				
Dibromofluoromethane		83%	89%	
Toluene-d8		90%	96%	
1-Bromo-4-fluorobenzene		130%	142%	

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Acceptable RPD is determined to be less than 30%
Acceptable Recovery Limits:
Surrogate = 65% to 135%
LCS, LCSD, MS, MSD = 65% to 135%
Surrogates and Spike Concentration = 0.5 mg/kg

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Analysis of Volatile Organic Compounds in Soil by EPA Method 8260B

Project: Fox Ave. Task 5
Client: Floyd | Snider
Client Project #: Fox-Ave
Lab Project #: CHM090617-3

		MS	MSD	
EPA 8260B (mg/kg)	**MRL**	**GP-85-62-62.5**	**GP-85-62-62.5**	**RPD**
Date Preserved		6/17/09	6/17/09	%
Date Analyzed		6/18/09	6/19/09	
Matrix		Soil	Soil	
Dichlorodifluoromethane	0.06			
Chloromethane	0.06			
Vinyl chloride *	0.002			
Bromomethane	0.09			
Chloroethane	0.06			
Trichlorofluoromethane	0.05			
1,1-Dichloroethene	0.05	97%	95%	2%
Methylene chloride	0.02			
trans-1,2-Dichloroethene	0.02			
1,1-Dichloroethane	0.02			
2,2-Dichloropropane	0.05			
cis-1,2-Dichloroethene	0.02			
Chloroform	0.02			
1,1-Dichloropropene	0.02			
Carbon tetrachloride	0.02			
1,1,1-Trichloroethane (TCA)	0.02			
Benzene	0.02	78%	83%	6%
1,2-Dichloroethane (EDC)	0.03			
Trichloroethene (TCE)	0.03	62%	66%	5%
1,2-Dichloropropane	0.02			

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"MSD" Indicates Matrix Spike Duplicate
"RPD" Indicates Relative Percent Difference

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Acceptable Recovery Limits:
Surrogate = 65% to 135%
LCS, LCSD, MS, MSD = 65% to 135%
Surrogates and Spike Concentration = 0.5 mg/kg

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Analysis of Volatile Organic Compounds in Soil by EPA Method 8260B

Project: Fox Ave. Task 5
Client: Floyd | Snider
Client Project #: Fox-Ave
Lab Project #: CHM090617-3

		MS	MSD	
EPA 8260B (mg/kg)	**MRL**	**GP-85-62-62.5**	**GP-85-62-62.5**	**RPD**
Date Preserved		6/17/09	6/17/09	%
Date Analyzed		6/18/09	6/19/09	
Matrix		Soil	Soil	
Dichlorodifluoromethane	0.06			
Chloromethane	0.06			
Dibromomethane	0.04			
Bromodichloromethane	0.02			
cis-1,3-Dichloropropene	0.02			
Toluene	0.02	81%	84%	4%
Trans-1,3-Dichloropropene	0.03			
1,1,2-Trichloroethane	0.03			
Tetrachloroethene (PCE)	0.02			
1,3-Dichloropropane	0.05			
Dibromochloromethane	0.03			
1,2-Dibromoethane (EDB) *	0.005			
Chlorobenzene	0.02	80%	85%	7%
1,1,1,2-Tetrachloroethane	0.03			
Ethylbenzene	0.03			
Total Xylenes	0.03			
Styrenes	0.02			
Bromoform	0.02			
Isopropylbenzene	0.08			
1,2,3-Trichloropropane	0.02			
Bromobenzene	0.03			
1,1,2,2-Tetrachloroethane	0.02			

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LCS, LCSD, MS, MSD = 65% to 135%
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Analysis of Volatile Organic Compounds in Soil by EPA Method 8260B

Project: Fox Ave. Task 5
Client: Floyd | Snider
Client Project #: Fox-Ave
Lab Project #: CHM090617-3

EPA 8260B (mg/kg)	MRL	MS GP-85-62-62.5	MSD GP-85-62-62.5	RPD
Date Preserved		6/17/09	6/17/09	%
Date Analyzed		6/18/09	6/19/09	
Matrix		Soil	Soil	
Dichlorodifluoromethane	0.06			
Chloromethane	0.06			
n-Propylbenzene	0.02			
2-Chlorotoluene	0.02			
4-Chlorotoluene	0.02			
1,3,5-Trimethylbenzene	0.02			
tert-Butylbenzene	0.02			
1,2,4-Trimethylbenzene	0.02			
sec-Butylbenzene	0.02			
1,3-Dichlorobenzene	0.02			
4-Isopropyltoluene	0.02			
1,4-Dichlorobenzene	0.02			
1,2-Dichlorobenzene	0.02			
n-Butylbenzene	0.02			
1,2-Dibromo-3-Chloropropane	0.03			
1,2,4-Trichlorobenzene	0.05			
Hexachloro-1,3-butadiene	0.10			
Naphthalene	0.03			
1,2,3-Trichlorobenzene	1.0			
Surrogate Recovery				
Dibromofluoromethane		102%	105%	
Toluene-d8		101%	106%	
1-Bromo-4-fluorobenzene		98%	100%	

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Surrogate = 65% to 135%
LCS, LCSD, MS, MSD = 65% to 135%
Surrogates and Spike Concentration = 0.5 mg/kg

Fremont Analytical

Chain of Custody Record

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Laboratory Project No (internal): CHM090617-3

Date: 6/17/09

Page: 1 of: 4

Client: Floyd/Snider
Address: 601 Union St. Ste. 600
City, State, Zip: Seattle, WA 98101
Tel: 206-292-2078
Reports To (PM): Tom Colligan
Fax: 206-682-7867
Email: TomColligan@floydsnider.com

Project Name: Fox-Ave
Location: Fox Ave
Collected by: John LaManna & Erin Murray
Project No: Fox Ave-RA

Sample Name	Time	Sample Type (Matrix)	Container Type	Date of Collection	VOA 8260B	VOA 8021B BTEX	NWTPH-Gx	NWTPH-HCID	NWTPH-Dx Ext.	SEMI VOL 8270C	PAH 8270	PCBs 8082	Cl PESTICIDES 8081	Cl HERBICIDES 8151A	Metals* Total (T) | Dissolved (D)	Anions (IC)**	VOA 8260				Comments/Depth
1 GP-78 1.5-2	0935	S	403	6/17/09	✓																
2 GP-78 5.0-5.5	0952					X											X				
3 GP-78 9.5-10.0	1010					X											X				
4 GP-78 13.5-14.0	1030					X											X				
5 GP-78 18.0-18.5	1135																				
6 GP-78 41.0-41.5	1305																				
7 GP-78 45.0-45.5	1325																X				Hot PID = 235
8 GP-78 55.5-56.0	1340																X				Hot PID = 647
9 GP-85 0.6-1.0	0920																X				Hot PID = 590
10 GP-85 7.5-8.0	0945																X				Mod Hot

*Metals Analysis (Circle): MTCA-5 RCRA-8 Priority Pollutants TAL Individual: Ag Al As B Ba Be Ca Cd Co Cr Cu Fe Hg K Mg Mn Mo Na Ni Pb Sb Se Sr Sn Ti Tl U V Zn

**Anions (Circle): Nitrate Nitrite Chloride Sulfate Bromide O-Phosphate Fluoride Nitrate+Nitrite

Relinquished	Date/Time	Relinquished	Date/Time
x	6/17/09 1640	x	6/17/09 1843
x	Date/Time	x	Date/Time

Sample Receipt:	
Good?	Y
Cooler Temperature:	5.5°C Y
Seals Intact?:	
Total Number of Containers:	33

Special Remarks:

TAT --> 24HR 48HR Standard

Distribution: White - Lab, Yellow - File, Pink - Originator

Fremont Analytical

Chain of Custody Record

2930 Westlake Ave. N. Suite 100 Tel: 206-352-3790
Seattle, WA 98103 Fax: 206-352-7178

Laboratory Project No (internal): CHA090617-3

Date: 6/17/09 Page: 2 of: 4

Client: SAME AS FIRST Project Name: FOY-AVE

Address: Location:

City, State, Zip Tel: Collected by:

Reports To (PM): Fax: Email: Project No:

Sample Name	Time	Sample Type (Matrix)	Container Type	Date of Collection	VOA 8260	VOA 8021B BTEX	NWTPH-Gx	NWTPH-HCID	NWTPH-Dx Ext.	SEMI VOL 8270C	PAH 8270	PCBs 8082	Cl PESTICIDES 8081	Cl HERBICIDES 8151A	Metals* Total (T) | Dissolved (D)	Anions (IC)**	VOA 8260		Comments/Depth
1 GP-85 10.0-10.5	1000	S	403	6/17/09	✓												X		
2 GP-85 17.0-17.5	1015																X		Hot PID 135
3 GP-85 21.5-22.0	1035																		
4 GP-85 26.5-27.0	1045																		
5 GP-85 42.5-43.0	1147																		
6 GP-85 48.0-48.5	1125																		
7 GP-85 53.0-53.5	1112																		
8 GP-85 55.0-55.0	1100																X		
9 GP-85 62-62.5	1055																X		
10 GP-84 2.0-2.5	1240																		

*Metals Analysis (Circle): MTCA-5 RCRA-8 Priority Pollutants TAL

**Anions (Circle): Nitrate Nitrite Chloride Sulfate Bromide O-Phosphate Floride Nitrate+Nitrite

Relinquished	Date/Time	Received	Date/Time:
x	6/17/09 1640	x Mound	6/17/09 1643
Relinquished	Date/Time	Received	Date/Time:
x		x	

Sample Receipt:	
Good?	
Temperature:	See PP 1
Seals Intact?:	
Total Number of Containers:	

Special Remarks

TAT --> (24HR) 48HR Standard

Distribution: White - Lab, Yellow - File, Pink - Originator

Fremont Analytical

Chain of Custody Record

2930 Westlake Ave. N. Suite 100
Seattle, WA 98103
Tel: 206-352-3790
Fax: 206-352-7178

Laboratory Project No (internal): CHM090617-3

Date: 6/17/09

Page: 3 of: 4

Client:

Address: SAME AS FIRST

City, State, Zip

Tel:

Project Name: FOX-AVE

Location:

Collected by:

Reports To (PM):

Fax:

Email:

Project No:

Sample Name	Time	Sample Type (Matrix)	Container Type	Date of Collection	VOA 8260	VOA 8021B BTEX	NWTPH-Gx	NWTPH-HCID	NWTPH-Dx Ext.	SEMI VOL 8270C	PAH 8270	PCBs 8082	Cl PESTICIDES 8081	Cl HERBICIDES 8151A	Metals* Total (T) | Dissolved (D)	Anions (IC)**	VOA 8260				Comments/Depth
1 GP-84 6.0-6.5	1245	S	4oz.	6/17/01	✓												X				
2 GP-84 12.5-13.0	1255																X				
3 GP-84 15.5-16.0	1315																X				Hot PID=190
4 GP-84 20.0-20.5	1400																				
5 GP-84 30.5-31.0	1410																X				HOT PID 750
6 GP-84 51.0-51.5	1430																X				HOT ODOR PID=32
7 GP-84 57.0-57.5	1440																X				
8 GP-84 62.0-62.5	1450																X				
9 GP-81 1.0-1.5	1415																				
10 GP-81 6.0-6.4	1425																X				

*Metals Analysis (Circle): MTCA-5 RCRA-8 Priority Pollutants TAL *Individual:* Ag Al As B Ba Be Ca Cd Co Cr Cu Fe Hg K Mg Mn Mo Na Ni Pb Sb Se Sr Sn Ti Tl U V Zn

**Anions (Circle): Nitrate Nitrite Chloride Sulfate Bromide O-Phosphate Fluoride Nitrate+Nitrite

Relinquished	Date/Time	Relinquished	Date/Time
x	6/17/09 1640	x	6/17/09 1645
Relinquished	Date/Time	Relinquished	Date/Time
x		x	

Sample Receipt:

Good?	
Cooler Temperature:	See PR1
Seals Intact?:	
Total Number of Containers:	

Special Remarks:

TAT --> 24HR 48HR Standard

Distribution: White - Lab, Yellow - File, Pink - Originator

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Chain of Custody Record

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Seattle, WA 98103
Tel: 206-352-3790
Fax: 206-352-7178

Laboratory Project No (internal): CHM090617-3

Date: 6/17/09

Page: 4 of: 4

Client: SAME AS FIRST

Address:

City, State, Zip

Tel:

Project Name: FOX-AVE

Location:

Collected by:

Reports To (PM):

Fax:

Email:

Project No:

Sample Name	Time	Sample Type (Matrix)	Container Type	Date of Collection	VOA 8260 VOA 8021B BTEX	NWTPH-Gx	NWTPH-HCID	NWTPH-Dx Ext.	SEMI VOL 8270C	PAH 8270	PCBs 8082	Cl PESTICIDES 8081	Cl HERBICIDES 8151A	Metals* Total (T) | Dissolved (D)	Anions (IC)**	VOA 8260				Comments/Depth
1 GP-8I 9.0-9.5	1440	S	4oz	6/17/09	X											X				
2 GP-8I 52.0-53.0	1607	S	4oz	6/17/09	X											+				Hold
3 GP-8ID 52.0-53.0	1607	S	4oz	6/17/09	X											X				Hold
4																				
5																				
6																				
7																				
8																				
9																				
10																				

*Metals Analysis (Circle): MTCA-5 RCRA-8 Priority Pollutants TAL *Individual:* Ag Al As B Ba Be Ca Cd Co Cr Cu Fe Hg K Mg Mn Mo Na Ni Pb Sb Se Sr Sn Ti Tl U V Zn

**Anions (Circle): Nitrate Nitrite Chloride Sulfate Bromide O-Phosphate Fluoride Nitrate+Nitrite

Relinquished	Date/Time	Relinquished	Date/Time
x	6/17/09 1640	x	6/17/09 1649
Relinquished	Date/Time	Relinquished	Date/Time
x		x	

Sample Receipt:		Special Remarks:
Good?		
Cooler Temperature:	SEE PM(1)	
Seals Intact?:		
Total Number of Containers:		TAT --> 24HR 48HR Standard

Distribution: White - Lab, Yellow - File, Pink - Originator

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Chain of Custody Record

2930 Westlake Ave. N. Suite 100
Seattle, WA 98103
Tel: 206-352-3790
Fax: 206-352-7178

Laboratory Project No (internal): CHM090617-3

Date: 6/17/09

Page: 1 of: 1

Client: Floyd|Snider
Address: 601 Union St.
City, State, Zip: Seattle, WA 98101
Tel: 206-292-2078
Reports To (PM): Tom Colligan
Fax: 206 682 7867
Email: Tom.colligan@floydsnider.com

Project Name: FOX-AVE
Location: FOX-AVE
Collected by: John LaManna
Project No: FOX-AVE-RA

Sample Name	Time	Sample Type (Matrix)	Container Type	Date of Collection	VOA 8260	VOA 8021B BTEX	NWTPH-Gx	NWTPH-HCID	NWTPH-Dx Ext.	SEMI VOL 8270C	PAH 8270	PCBs 8082	Cl PESTICIDES 8081	Cl HERBICIDES 8151A	Metals* Total (T) | Dissolved (D)	Anions (IC)**					Comments/Depth
1 GP-81 57.0-57.5	1645	S	4oz	6/17/09	✓																
2 GP-81 61.0-61.5	1720	S	4oz	6/17/09	✓																
3																					
4																					
5																					
6																					
7																					
8																					
9																					
10																					

*Metals Analysis (Circle): MTCA-5 RCRA-8 Priority Pollutants TAL *Individual:* Ag Al As B Ba Be Ca Cd Co Cr Cu Fe Hg K Mg Mn Mo Na Ni Pb Sb Se Sr Sn Ti Tl U V Zn

**Anions (Circle): Nitrate Nitrite Chloride Sulfate Bromide O-Phosphate Fluoride Nitrate+Nitrite

Relinquished	Date/Time	Relinquished	Date/Time
x	6-17-09 @ 1904	x	6/17/09 1904
Relinquished	Date/Time	Relinquished	Date/Time
x		x	

Sample Receipt:

Good?	Y
Cooler Temperature:	7.2°C
Seals Intact?:	Y
Total Number of Containers:	2

Special Remarks:

TAT --> 24HR 48HR Standard

Distribution: White - Lab, Yellow - File, Pink - Originator

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2930 Westlake Ave N Suite 100
Seattle, WA 98109
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F: (206) 352-7178
info@fremontanalytical.com

Floyd | Snider
Attn: Tom Colligan
601 Union St. Ste. 600
Seattle, WA 98101

RE: Fox Ave.
Fremont Project No: CHM090731-6
Floyd | Snider Project No: Fox-Ave-RA

August 7th, 2009

Tom:

Enclosed are the follow-up analytical results for the ***Fox Ave.*** soil samples originally delivered to Fremont Analytical Monday June 17th, 2009 (Reported under FA ID: CHM090617-3). The follow-up request was initiated on July 31st, 2009.

Examination of these samples was conducted for the presence of the following:

- ***Volatile Petroleum Hydrocarbons in Soil by NWVPH***
- ***Extractable Petroleum Hydrocarbons in Soil by NWEPH***

These applications were performed under Washington State Department of Ecology accreditation parameters. All appropriate Quality Assurance / Quality Control method parameters have been applied.

Please contact the laboratory if you should have any questions about the results.

Thank you for using Fremont Analytical!

Sincerely,

Michael Dee
Sr. Chemist / Principal

mikedee@fremontanalytical.com

2930 Westlake Ave. N., Suite 100
Seattle, WA 98109

T: 206.352.3790
F: 206.352.7178
email: info@fremontanalytical.com

Analysis of Volatile Petroleum Hydrocarbons in Soil by NWVPH

Project: Fox Ave.
Client: Floyd | Snider
Client Project #: Fox-Ave-RA
Lab Project #: CHM090731-6

NWVPH (mg/kg)	MRL	Method Blank	LCS	GP-78-45.0-45.5	GP-78-55.5-56.0	GP-78-45.0-45.5 Duplicate	RPD %
Date Preserved				7/31/09	7/31/09	7/31/09	
Date Analyzed		8/6/09	8/6/09	8/6/09	8/6/09	8/6/09	
Matrix				Soil	Soil	Soil	
Hydrocarbon Parameters							
C5-C6 (FID) *Aliphatics**	0.05	nd		nd	nd	nd	
C6-C8 (FID) *Aliphatics**	0.05	nd	89%	nd	**7.0**	nd	
C8-C10 (FID) *Aliphatics**	0.05	nd	105%	**0.7**	**17**	**0.9**	25%
C10-C12 (FID) *Aliphatics**	0.05	nd		**180**	**170**	**190**	5%
C8-C10 (PID) *Aromatics*	0.05	nd	119%	**85**	**85**	**80**	6%
C10-C12 (PID) *Aromatics*	0.05	nd	79%	**71**	**65**	**72**	1%
C12-C13 (PID) *Aromatics*	0.05	nd		**1.3**	**2.7**	**1.3**	4%
Surrogate Recovery							
Triflourotoluene		98%	90%	C	C	C	
Bromoflourobenzene		82%	88%	C	C	C	

"nd" Indicates not detected at listed reporting limits
"int" Indicates that interference prevents determination
"*" Excludes MTBE and BTEX Compounds
"J" Indicates estimated value
"MRL" Indicates Method Reporting Limit
"LCS" Indicates Laboratory Control Sample
"RPD" Indicates Relative Percent Difference

Acceptable RPD is determined to be less than 30%
Acceptable Recovery Limits:
Surrogate = 65% to 135%
LCS, LCSD = 65% to 135%
Surrogate Concentration = 0.25 mg/kg
Spike Concentration = 5.0 mg/kg

2930 Westlake Ave. N., Suite 100
Seattle, WA 98109

T: 206.352.3790
F: 206.352.7178
email: info@fremontanalytical.com

Analysis of Extractable Petroleum Hydrocarbons in Soil by NWEPH

Project: Fox Ave.
Client: Floyd | Snider
Client Project #: Fox-Ave-RA
Lab Project #: CHM090731-6

NWEPH (mg/kg)	MRL	Method Blank	LCS	GP-78-45.0-45.5	GP-78-55.5-56.0	Duplicate GP-78-55.5-56.0	RPD %
Date Preserved				8/5/09	8/5/09	8/5/09	
Date Analyzed		8/6/09	8/6/09	8/6/09	8/6/09	8/6/09	
Matrix				Soil	Soil	Soil	
Aromatic Hyrdrocarbon (Ranges)							
C8-C10	2.0	nd	100%	**8.6**	**9.8**	**9.1**	7%
C10-C12	2.0	nd	117%	**20**	**81**	**80**	1%
C12-C16	2.0	nd	108%	**30**	**32**	**27**	17%
C16-C21	2.0	nd	105%	**17**	**29**	**25**	15%
C21-C34	2.0	nd	79%	**30**	**32**	**34**	6%
Aliphatic Hydrocarbon (Ranges)							
C8-C10	2.0	nd	120%	**500**	**350**	**370**	6%
C10-C12	2.0	nd	111%	**600**	**430**	**420**	2%
C12-C16	2.0	nd	114%	**10**	**12**	**11**	9%
C16-C21	2.0	nd	120%	nd	nd	nd	
C21-C34	2.0	nd	132%	nd	nd	nd	
Surrogate Recovery							
o-terphenyl		112%	105%	113%	108%	108%	
1-chlorooctadecane		95%	95%	97%	92%	90%	

"nd" Indicates not detected at listed reporting limits
"int" Indicates that interference prevents determination
* Instrument Detection Limit
"J" Indicates estimated value
"MRL" Indicates Method Reporting Limit
"LCS" Indicates Laboratory Control Sample
"RPD" Indicates Relative Percent Difference

Acceptable RPD is determined to be less than 30%
Acceptable Recovery Limits:
Surrogate = 65% to 140%
LCS, LCSD = 85% to 150%
Surrogate Concentration = 10 mg/kg
Spike Concentration = 100 mg/kg

Fremont Analytical

Chain of Custody Record

2930 Westlake Ave. N. Suite 100
Seattle, WA 98103
Tel: 206-352-3790
Fax: 206-352-7178

Laboratory Project No (internal): CHM090617-3

Date: 6/17/09 Page: 1 of: 4

Client: Floyd/Snider
Address: 601 Union St. Ste. 600
City, State, Zip: Seattle, WA 98101 Tel: 206-292-2078
Reports To (PM): Tom Colligan Fax: 206-682-7827 Email: TomC@floydsnider.com

Project Name: Fox-Ave
Location: Fox Ave
Collected by: John LaManna & Erin Murray
Project No: Fox Ave-RA

Sample Name	Time	Sample Type (Matrix)	Container Type	Date of Collection	VOA 8260	VOA 8021B BTEX	NWTPH-Gx	NWTPH-HCID	NWTPH-Dx Ext	SEMI VOL 8270C	PAH 8270	PCBs 8082	Cl PESTICIDES 8081	Cl HERBICIDES 8151A	Metals* Total (T) | Dissolved (D)	Anions (IC)**	WA 8260	VPH	EPH	Comments/Depth
1 GP-78 1.5-2	0935	S	4oz	6/17/09	✓															
2 GP-78 5.0-5.5	0952					X											X			
3 GP-78 9.5-10.0	1010					X											X			* CHM090731-6
4 GP-78 13.5-14.0	1030					X											X			
5 GP-78 18.0-18.5	1135																			
6 GP-78 41.0-41.5	1305																			
7 GP-78 45.0-45.5	1325																X	X	X	Hot PID = 235
8 GP-78 55.5-56.0	1340																X	X	X	Hot PID = 677
9 GP-85 0.6-1.0	0920																X			Hot PID = 590
10 GP-85 7.5-8.0	0945																X			Mod Hot

*Metals Analysis (Circle): MTCA-5 RCRA-8 Priority Pollutants TAL Individual: Ag Al As B Ba Be Ca Cd Co Cr Cu Fe Hg K Mg Mn Mo Na Ni Pb Sb Se Sr Sn Ti Tl U V Zn

**Anions (Circle): Nitrate Nitrite Chloride Sulfate Bromide O-Phosphate Fluoride Nitrate+Nitrite

Relinquished	Date/Time	Relinquished	Date/Time
x	6/17/09 1640	x	6/17/09 1843
x		x	

Sample Receipt:

Good?	Y
Cooler Temperature:	5.5°C
Seals Intact?	Y
Total Number of Containers:	33

Special Remarks:

TAT --- 24HR 48HR Standard

Distribution: White - Lab, Yellow - File, Pink - Originator

Fox Avenue Site
Seattle, Washington

Remedial Investigation/ Feasibility Study

Appendix H
Site-specific Total Petroleum Hydrocarbons Cleanup Level Documentation

Attachment H.2
Chromatographs for the GP-78-45.0-45.5 and GP-78-55.5-56.0 Soil Samples

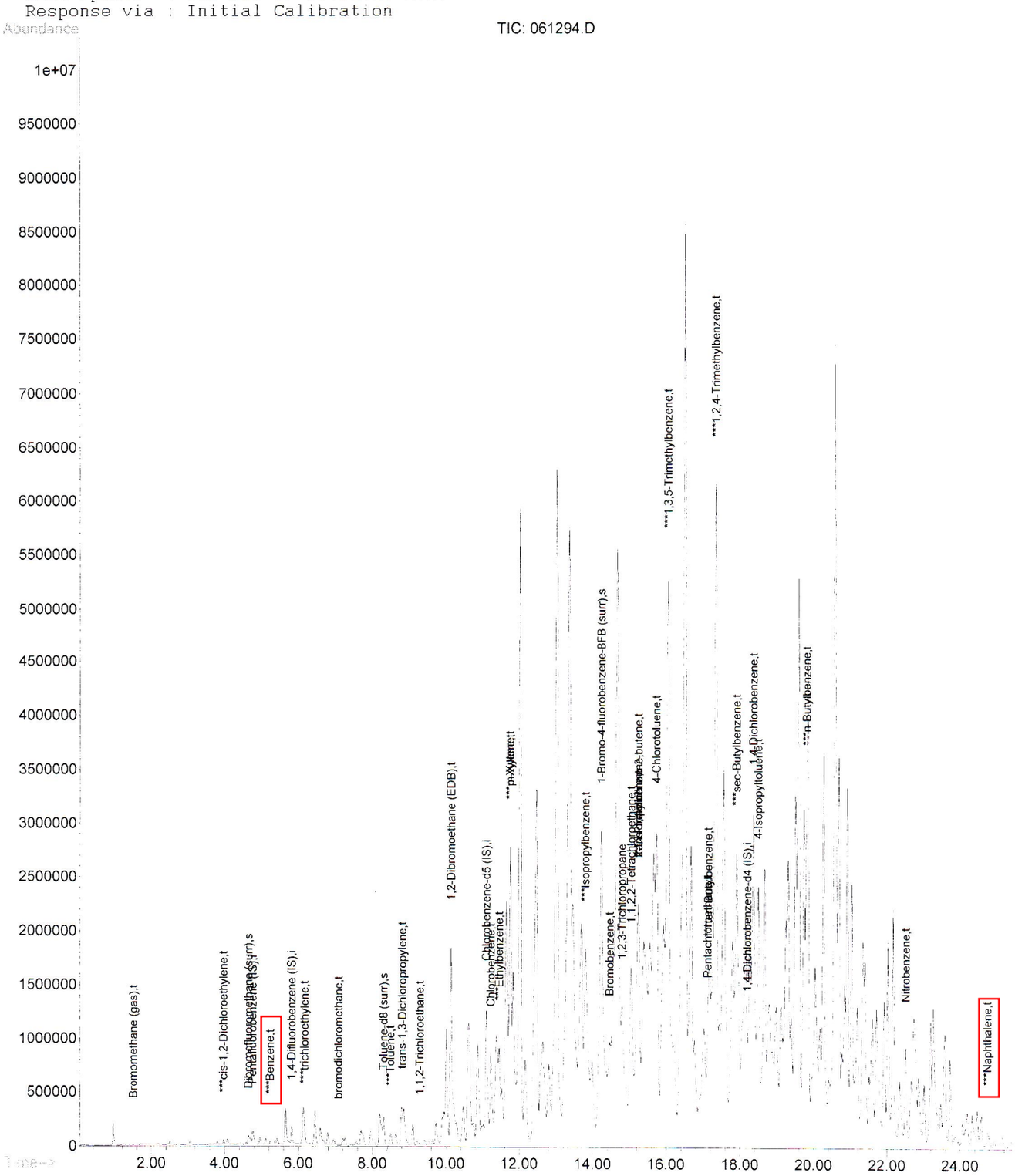
FINAL

Quantitation Report

Data File : E:\FIND FS CHROMES\8260 DATA\061209\061294.D Vial: 94
Acq On : 18 Jun 2009 12:09 am Operator: MD
Sample : FS FOX GP78 45-45.5 200 UL Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 18 15:00 2009 Quant Results File: VOC ABBV.RES

Method : C:\HPCHEM\1\METHODS\82602.M (RTE Integrator)
Title : VOA Standards for 5 point calibration
Last Update : Tue Dec 07 16:01:27 2010
Response via : Initial Calibration

TIC: 061294.D

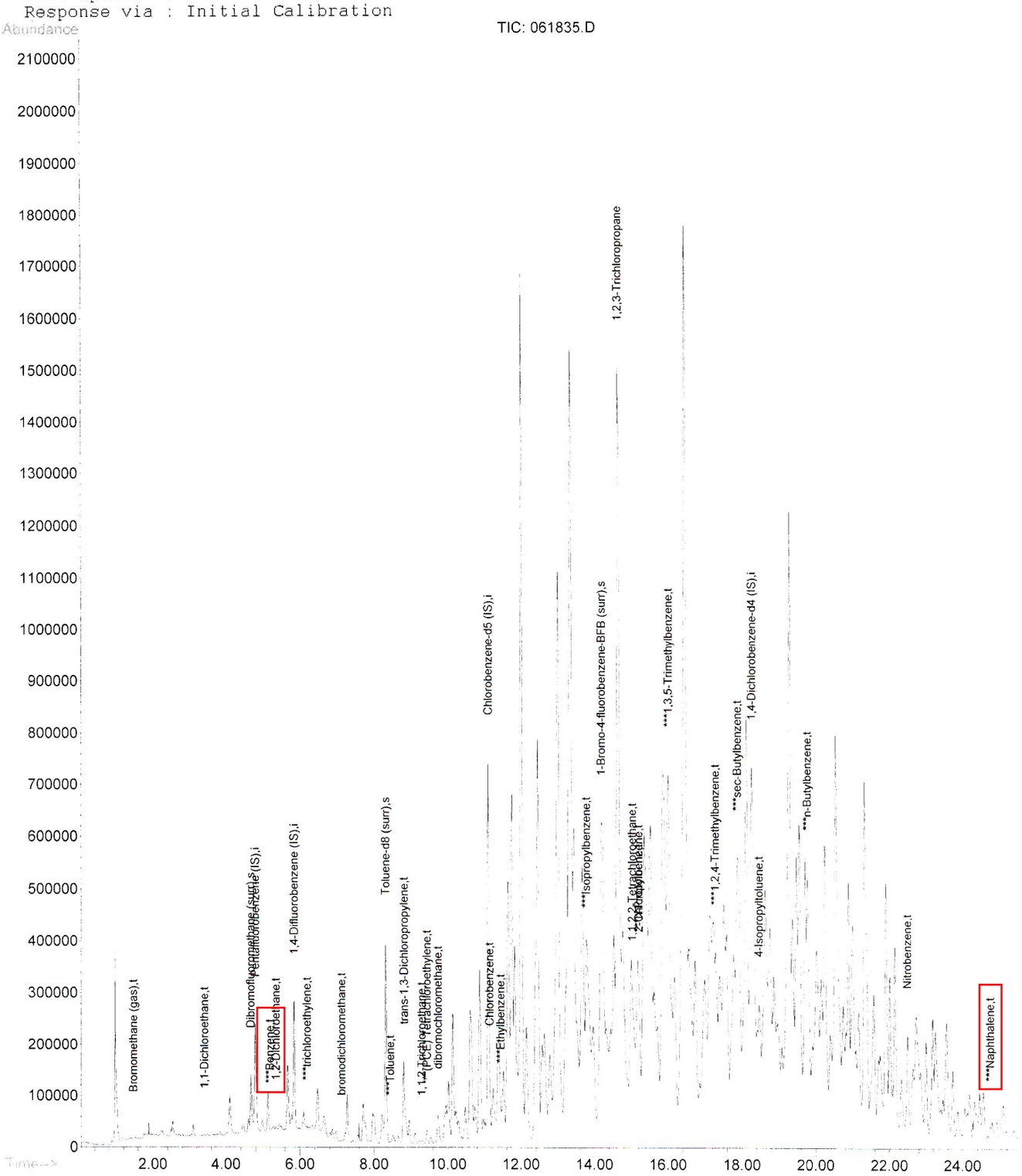


Quantitation Report

Data File : E:\FIND FS CHROMES\8260 DATA\061809\061835.D Vial: 35
Acq On : 20 Jun 2009 6:58 am Operator: MD
Sample : FB FOX GP78 55.5-56 200 UL Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 22 7:22 2009 Quant Results File: VOC ABBV.RES

Method : C:\HPCHEM\1\METHODS\82602.M (RTE Integrator)
Title : VOA Standards for 5 point calibration
Last Update : Tue Dec 07 16:01:27 2010
Response via : Initial Calibration

TIC: 061835.D

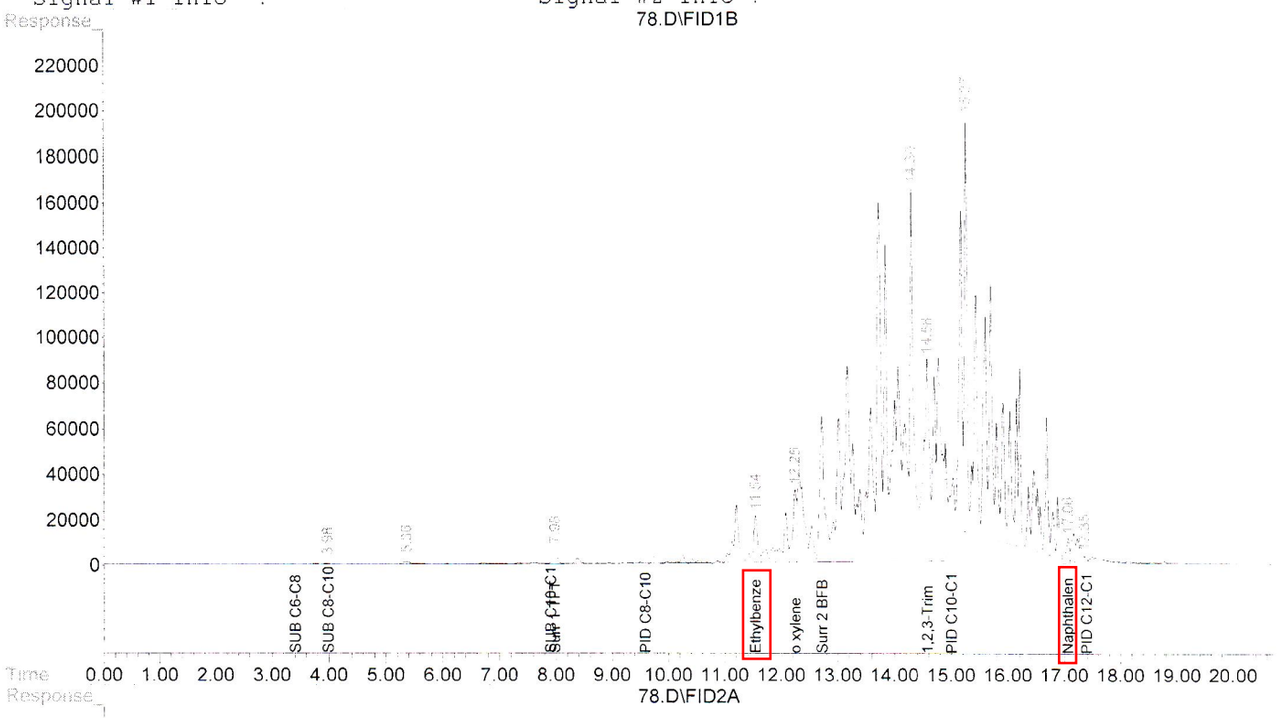


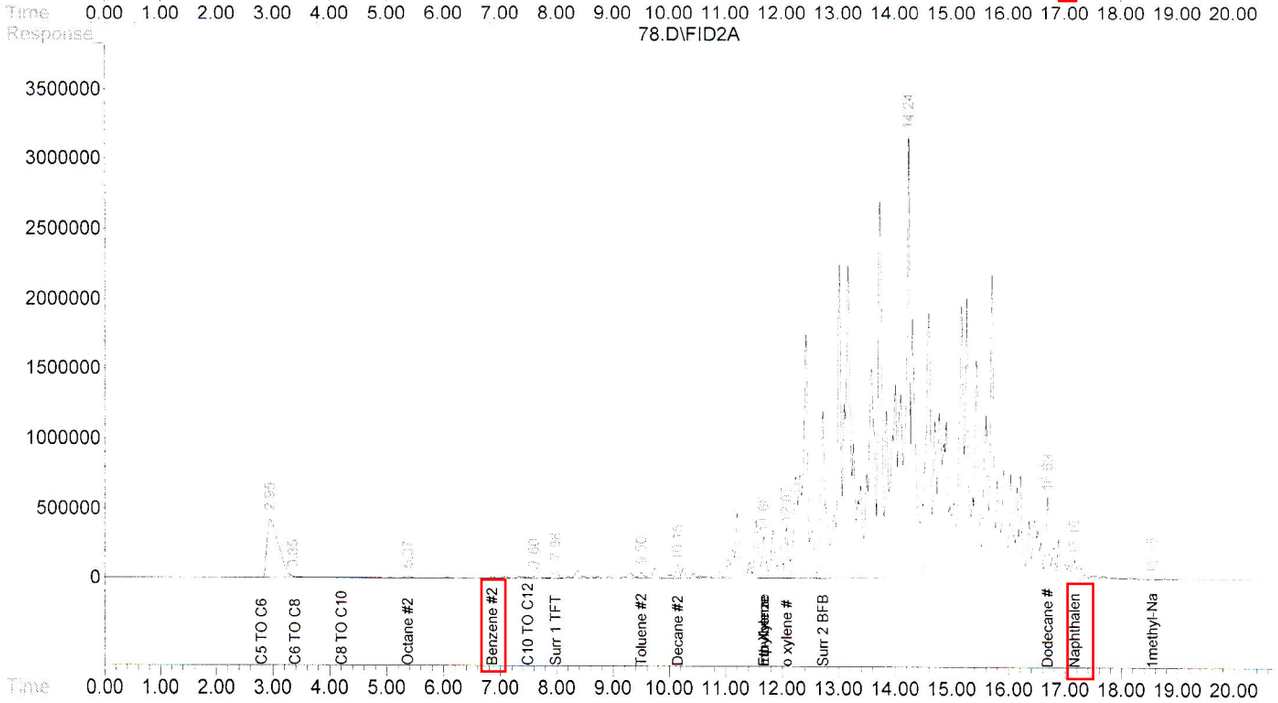
Quantitation Report (Not Reviewed)

Signal #1 : E:\FIND FS CHROMES\GX DATA\073009\78.D\FID1B.CH Vial: 78
Signal #2 : E:\FIND FS CHROMES\GX DATA\073009\78.D\FID2A.CH
Acq On : 6 Aug 2009 7:07 pm Operator: RS
Sample : P10 FS FOX GP-78-45.0-45.5 200 UL Inst : GC PID/FI
Misc : Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Aug 7 15:23 2009 Quant Results File: GXVPH.RES

Quant Method : C:\HPCHEM\2\METHODS\GXVPH.M (Chemstation Integrator)
Title : BTEX
Last Update : Fri Aug 07 16:20:03 2009
Response via : Multiple Level Calibration
DataAcq Meth : GXVPH.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



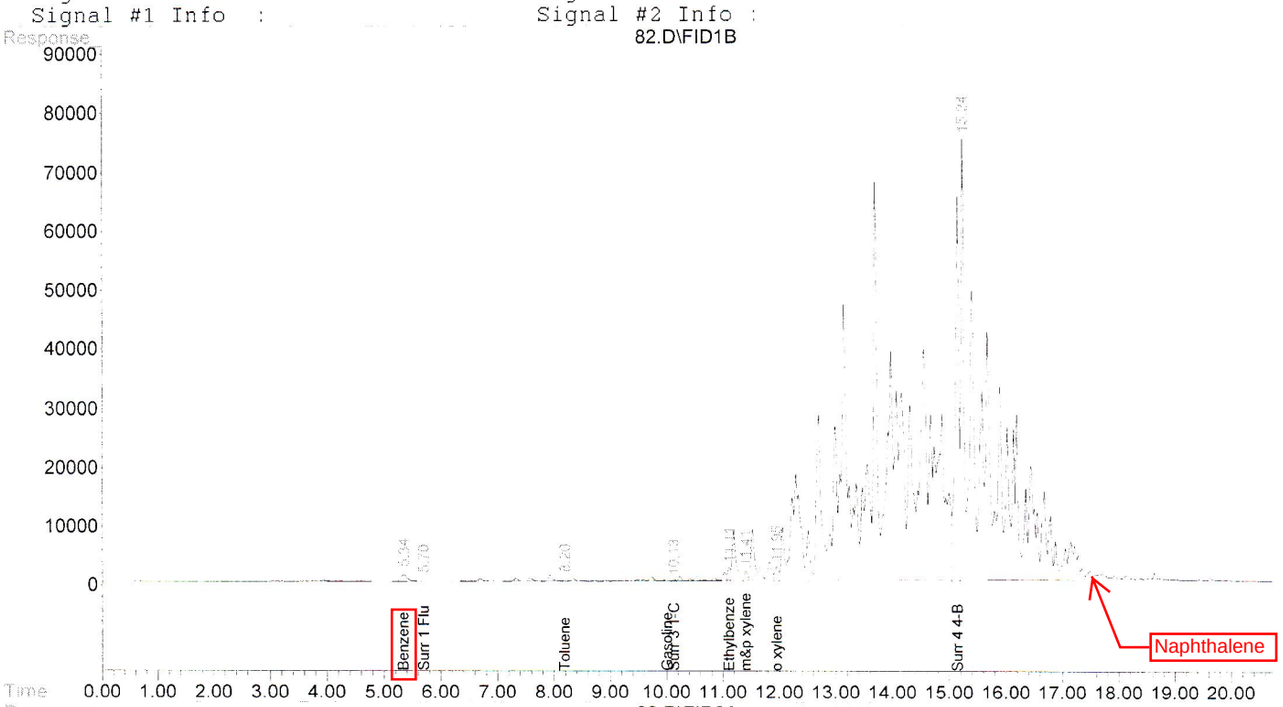


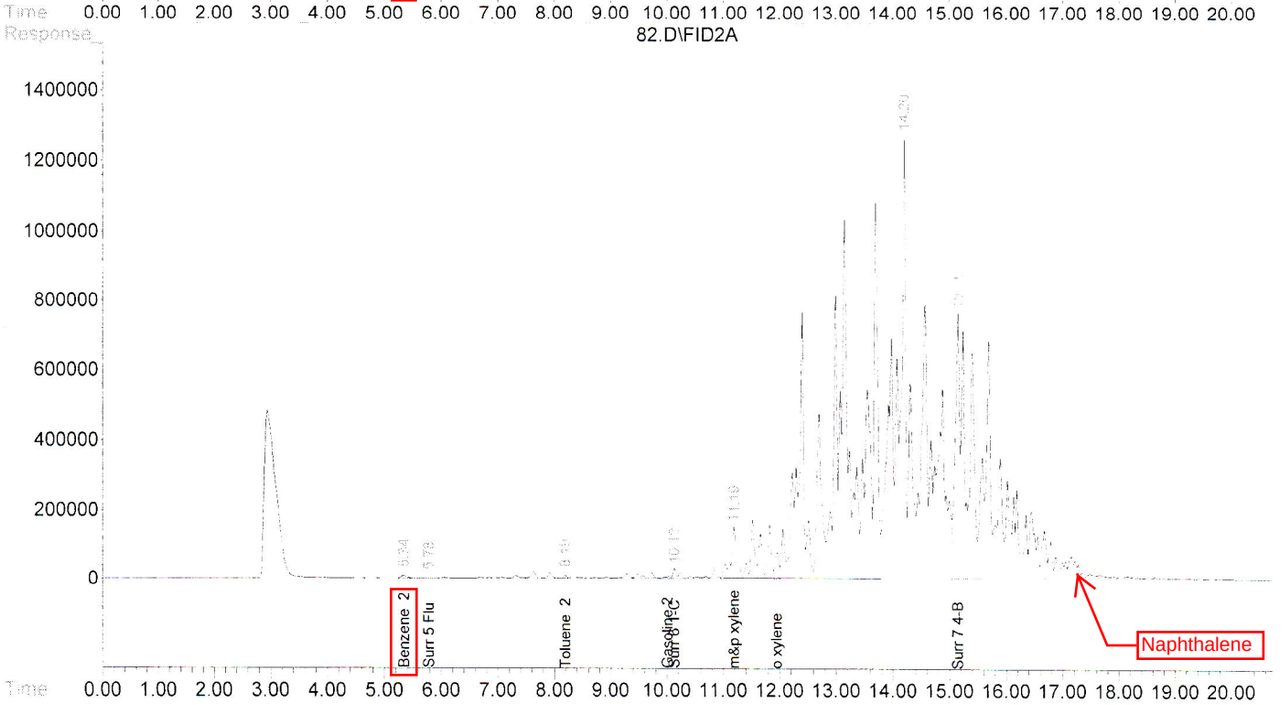
Quantitation Report (Not Reviewed)

Signal #1 : E:\FIND FS CHROMES\GX DATA\073009\82.D\FID1B.CH Vial: 82
Signal #2 : E:\FIND FS CHROMES\GX DATA\073009\82.D\FID2A.CH
Acq On : 6 Aug 2009 9:08 pm Operator: RS
Sample : P14 FS FOX GP-78-55.5-56.0 200 UL Inst : GC PID/FI
Misc : Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Jan 3 16:56 2011 Quant Results File: GXBTEX.RES

Quant Method : C:\HPCHEM\2\METHODS\GXBTEX.M (Chemstation Integrator)
Title : BTEX
Last Update : Thu Dec 30 17:29:00 2010
Response via : Multiple Level Calibration
DataAcq Meth : GXVPH.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



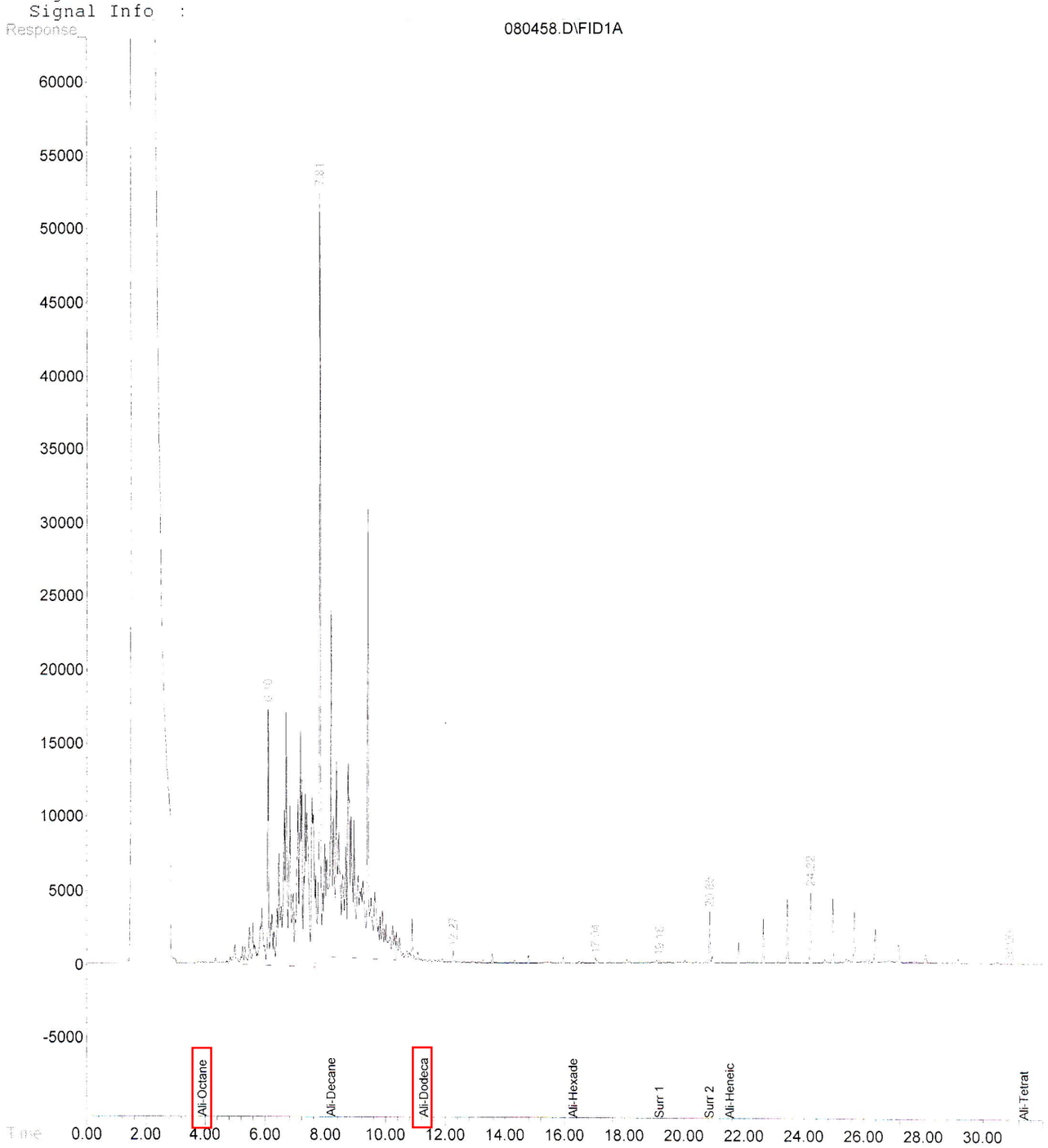


Quantitation Report (QT Reviewed)

Data File : E:\FIND FS CHROMES\DX DATA\080409\080458.D Vial: 58
Acq On : 6 Aug 2009 8:40 pm Operator: PH
Sample : FS FOX ALI GP-78 55.5-56.0 Inst : GC FID
Misc : Multiplr: 1.00
IntFile : events.e
Quant Time: Aug 7 13:11 2009 Quant Results File: EPH_ALI.RES

Quant Method : C:\HPCHEM\2\METHODS\EPH_ALI.M (Chemstation Integrator)
Title :
Last Update : Fri Aug 07 15:06:34 2009
Response via : Multiple Level Calibration
DataAcq Meth : EPH.M

Volume Inj. :
Signal Phase :
Signal Info :

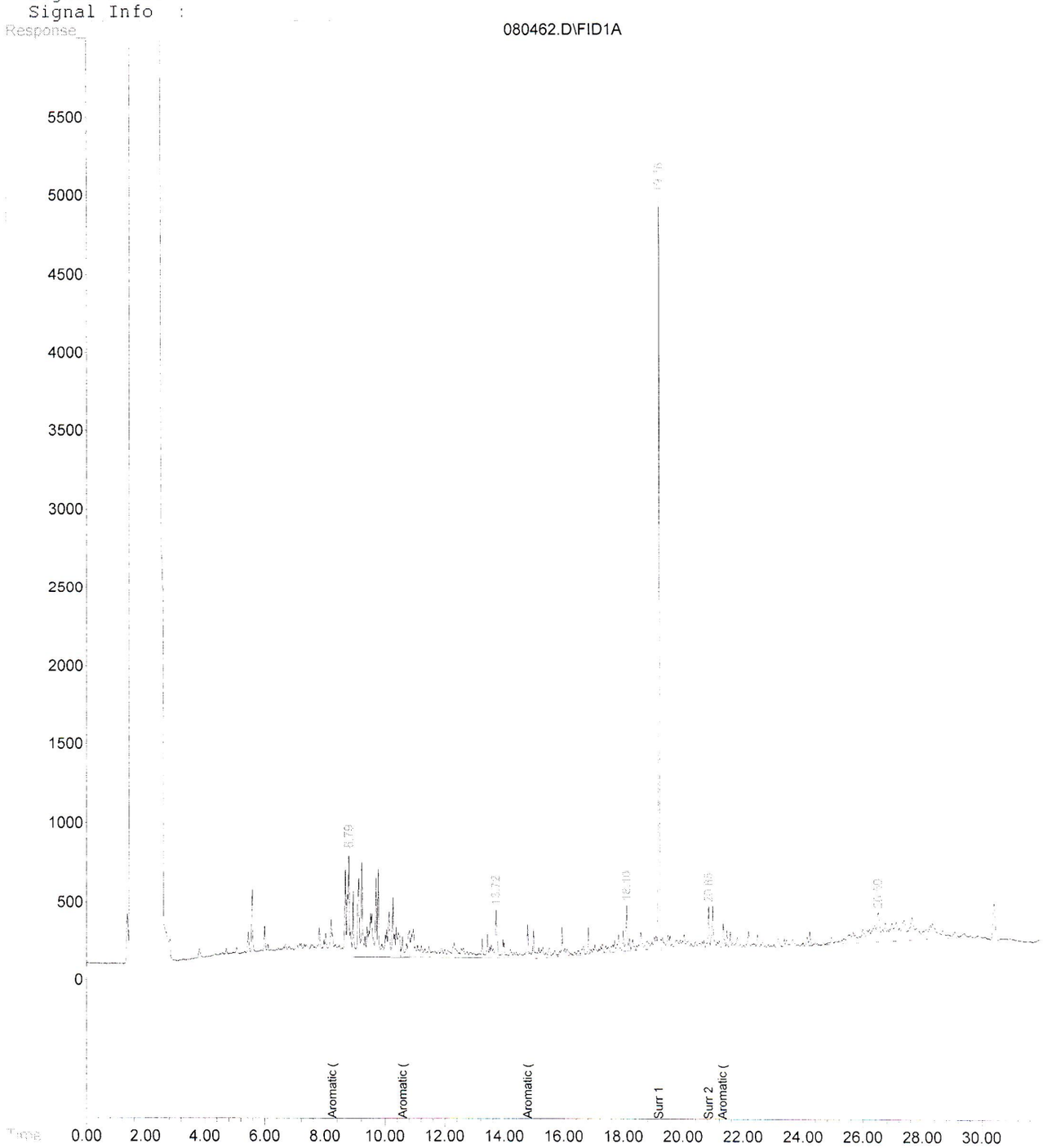


Quantitation Report (QT Reviewed)

Data File : E:\FIND FS CHROMES\DX DATA\080409\080462.D Vial: 62
Acq On : 6 Aug 2009 11:29 pm Operator: PH
Sample : FS FOX ARO GP-78 55.5-56.0 Inst : GC FID
Misc : Multiplr: 1.00
IntFile : events.e
Quant Time: Aug 7 13:16 2009 Quant Results File: EPH_ARO.RES

Quant Method : C:\HPCHEM\2\METHODS\EPH_ARO.M (Chemstation Integrator)
Title :
Last Update : Fri Aug 07 15:01:34 2009
Response via : Multiple Level Calibration
DataAcq Meth : EPH.M

Volume Inj. :
Signal Phase :
Signal Info :



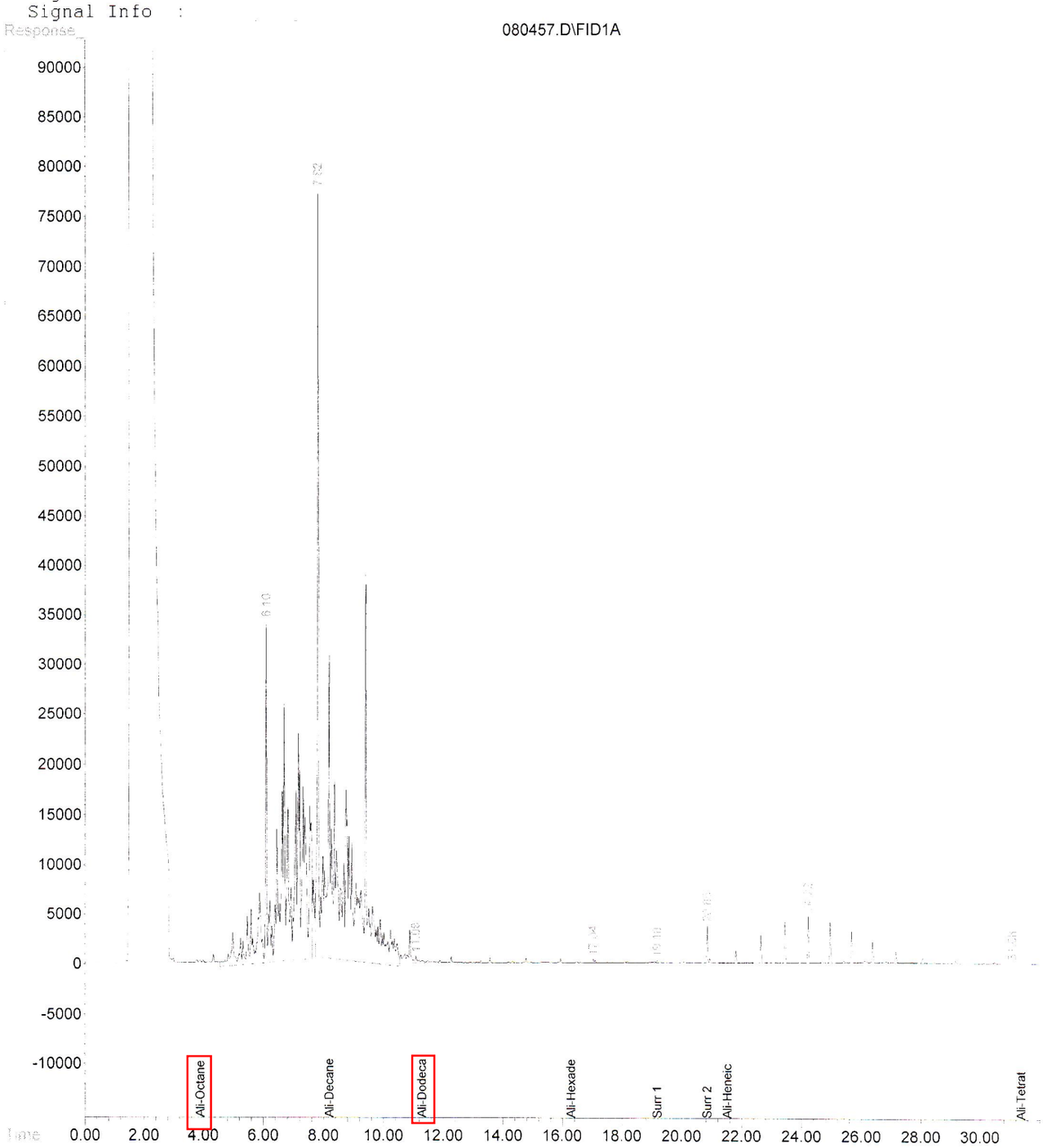
Quantitation Report (QT Reviewed)

Data File : E:\FIND FS CHROMES\DX DATA\080409\080457.D Vial: 57
Acq On : 6 Aug 2009 7:58 pm Operator: PH
Sample : FS FOX ALI GP-78 45.0-45.5 Inst : GC FID
Misc : Multiplr: 1.00
IntFile : events.e
Quant Time: Aug 7 13:10 2009 Quant Results File: EPH_ALI.RES

Quant Method : C:\HPCHEM\2\METHODS\EPH_ALI.M (Chemstation Integrator)
Title :
Last Update : Fri Aug 07 15:06:34 2009
Response via : Multiple Level Calibration
DataAcq Meth : EPH.M

Volume Inj. :
Signal Phase :
Signal Info :

080457.D\FID1A

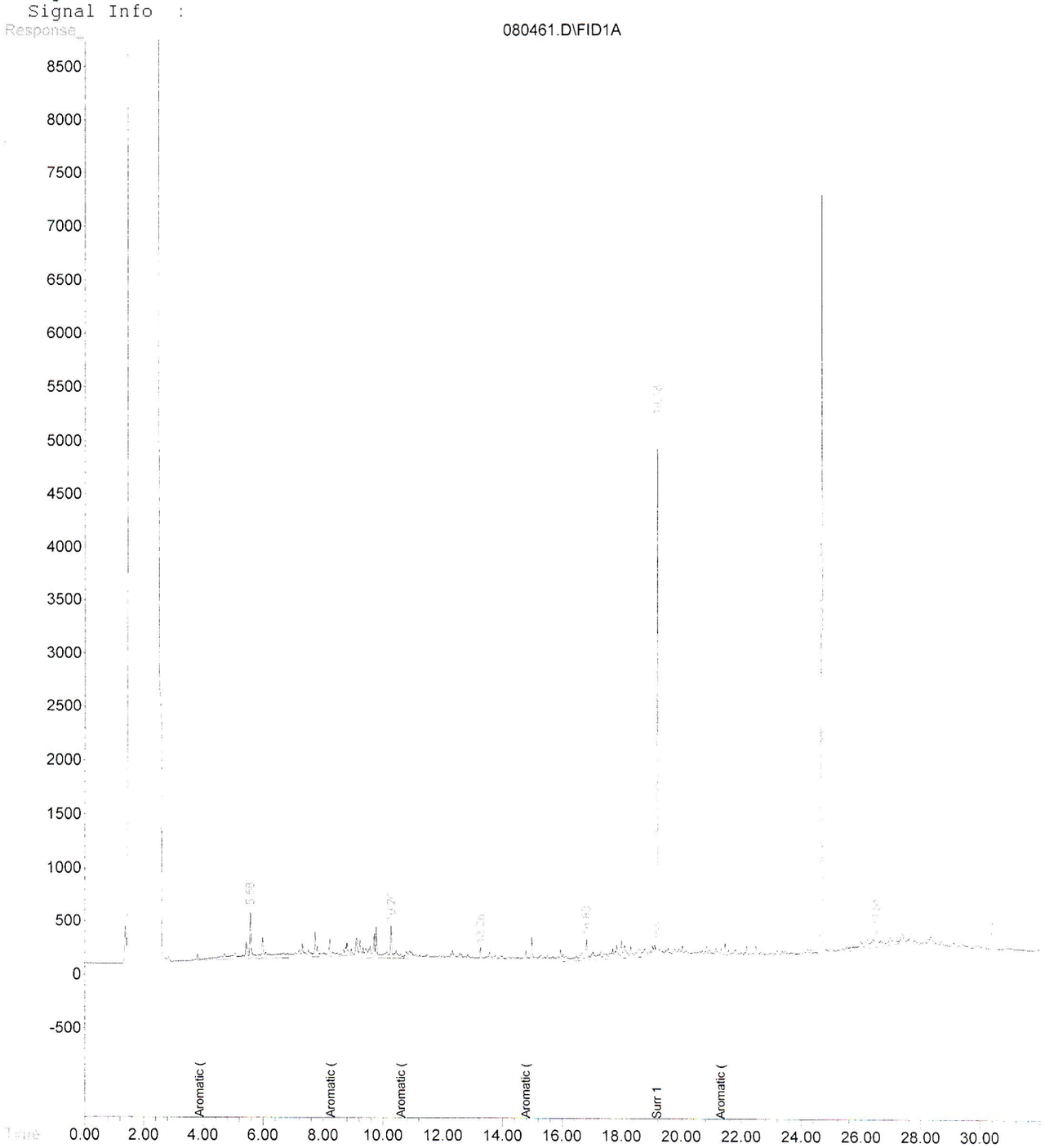


Quantitation Report (QT Reviewed)

Data File : E:\FIND FS CHROMES\DX DATA\080409\080461.D Vial: 61
Acq On : 6 Aug 2009 10:47 pm Operator: PH
Sample : FS FOX ARO GP-78 45.0-45.5 Inst : GC FID
Misc : Multiplr: 1.00
IntFile : events.e
Quant Time: Aug 7 13:15 2009 Quant Results File: EPH_ARO.RES

Quant Method : C:\HPCHEM\2\METHODS\EPH_ARO.M (Chemstation Integrator)
Title :
Last Update : Fri Aug 07 15:01:34 2009
Response via : Multiple Level Calibration
DataAcq Meth : EPH.M

Volume Inj. :
Signal Phase :
Signal Info :



Fox Avenue Site
Seattle, Washington

Remedial Investigation/ Feasibility Study

Appendix H
Site-specific Total Petroleum Hydrocarbons Cleanup Level Documentation

Attachment H.3
MCTCAPH11.1 Workbook Printouts

FINAL

A1 Soil Cleanup Levels: Worksheet for Soil Data Entry: Refer to WAC 173-340-720, 740,745, 747, 750

1. Enter Site Information

Date: 01/28/11
Site Name: Fox Ave
Sample Name: GP-78-45.0-45.5

2. Enter Soil Concentration Measured

Chemical of Concern or Equivalent Carbon Group	Measured Soil Conc dry basis mg/kg	Composition Ratio %
Petroleum EC Fraction		
AL_EC >5-6	0	0.00%
AL_EC >6-8	0	0.00%
AL_EC >8-10	500	37.15%
AL_EC >10-12	600	44.59%
AL_EC >12-16	10	0.74%
AL_EC >16-21	0	0.00%
AL_EC >21-34	0	0.00%
AR_EC >8-10	85	6.32%
AR_EC >10-12	72	5.35%
AR_EC >12-16	30	2.23%
AR_EC >16-21	17	1.26%
AR_EC >21-34	30	2.23%
Benzene	0	0.00%
Toluene	0	0.00%
Ethylbenzene	0.93	0.07%
Total Xylenes	0.47	0.03%
Naphthalene	0.33	0.02%
1-Methyl Naphthalene	0	0.00%
2-Methyl Naphthalene	0	0.00%
n-Hexane	0	0.00%
MTBE	0	0.00%
Ethylene Dibromide (EDB)	0	0.00%
1,2 Dichloroethane (EDC)	0	0.00%
Benzo(a)anthracene	0	0.00%
Benzo(b)fluoranthene	0	0.00%
Benzo(k)fluoranthene	0	0.00%
Benzo(a)pyrene	0	0.00%
Chrysene	0	0.00%
Dibenz(a,h)anthracene	0	0.00%
Indeno(1,2,3-cd)pyrene	0	0.00%
Sum	1345.73	100.00%

Notes for Data Entry | Set Default Hydrogeology

Clear All Soil Concentration Data Entry Cells

Restore All Soil Concentration Data cleared previously

REMARK:
Two samples representative of the mineral spirits contamination present at the Fox Avenue Site were collected during the 2009 additional geoprobe investigation. The samples were collected within the akaline shed part of the warehouse and both exhibited strong odor and evidence of petroleum contamination. Both samples were analyzed using Ecology's NWVPH and NWEPH methodologies by Fremont Analytical. The lab report is attached. Data for both the GP-78-45.0-45.5 and GP-78-55.5-56.0 samples were analyzed and the most conservative (lowest) result was used. Where results were avaliable for the same Petroleum EC Fraction through both methods, the highest value was used (following guidance in the User Manual, Ecology 2007).

BTEX and Napthalene concentrations for the same samples were analyzed via EPA Method 8260B.

Where results were qualified with a "nd" or "U", 0 was input into this sheet.

Where results were qualified with a "UJ", the 1/2 of the RL itself was input into the spreadsheet.

A Value of 0 was input for all parameters not present in mineral spirits. Default Hydrogeology parameters were used.

Targe level for grounwater used gasoline range with benzene present because the carbon range for mineral spirits is C6-C12, which occurs within the gasoline range.

3. Enter Site-Specific Hydrogeological Data

Total soil porosity:	0.43	Unitless
Volumetric water content:	0.3	Unitless
Volumetric air content:	0.13	Unitless
Soil bulk density measured:	1.5	kg/L
Fraction Organic Carbon:	0.001	Unitless
Dilution Factor:	20	Unitless

4. Target TPH Ground Water Concentation (if adjusted)

If you adjusted the target TPH ground water concentration, enter adjusted value here: 800 ug/L

A2 Soil Cleanup Levels: Calculation and Summary of Results. Refer to WAC 173-340-720, 740, 745, 747, 750

Site Information

Date: 1/28/2011
Site Name: Fox Ave
Sample Name: GP-78-45.0-45.5
Measured Soil TPH Concentration, mg/kg: **1,345.730**

1. Summary of Calculation Results

Exposure Pathway	Method/Goal	Protective Soil TPH Conc, mg/kg	With Measured Soil Conc		Does Measured Soil Conc Pass or Fail?
			RISK @	HI @	
Protection of Soil Direct Contact: Human Health	Method B	2,253	0.00E+00	5.97E-01	Pass
	Method C	42,491	0.00E+00	3.17E-02	Pass
Protection of Method B Ground Water Quality (Leaching)	Potable GW: Human Health Protection	100% NAPL	0.00E+00	7.93E-01	Pass
	Target TPH GW Conc. @ 800 ug/L	100% NAPL	NA	NA	Pass

Warning! Check to determine if a simplified or site-specific Terrestrial Ecological Evaluation may be required (Refer to WAC 173-340-7490 through ~7494).

Warning! Check Residual Saturation (WAC340-747(10)).

2. Results for Protection of Soil Direct Contact Pathway: Human Health

	Method B: Unrestricted Land Use	Method C: Industrial Land Use
Protective Soil Concentration, TPH mg/kg	**2,253.07**	**42,491.27**
Most Stringent Criterion	**HI =1**	**HI =1**

Soil Criteria	Protective Soil Concentration @Method B				Protective Soil Concentration @Method C			
	Most Stringent?	TPH Conc, mg/kg	RISK @	HI @	Most Stringent?	TPH Conc, mg/kg	RISK @	HI @
HI =1	YES	2.25E+03	0.00E+00	1.00E+00	YES	4.25E+04	0.00E+00	1.00E+00
Total Risk=1E-5	NA	NA	NA	NA	NA	NA	NA	NA
Risk of Benzene= 1E-6	NA	NA	NA	NA	NA			
Risk of cPAHs mixture= 1E-6	NA	NA	NA	NA				
EDB	NA	NA	NA	NA		NA		
EDC	NA	NA	NA	NA				

3. Results for Protection of Ground Water Quality (Leaching Pathway)

3.1. Protection of Potable Ground Water Quality (Method B): Human Health Protection

Most Stringent Criterion	**NA**
Protective Ground Water Concentration, ug/L	**NA**
Protective Soil Concentration, mg/kg	**Soil-to-Ground Water is not a critical pathway!**

Ground Water Criteria	Protective Potable Ground Water Concentration @Method B				Protective Soil Conc, mg/kg
	Most Stringent?	TPH Conc, ug/L	RISK @	HI @	
HI=1	YES	3.49E+02	0.00E+00	8.34E-01	100% NAPL
Total Risk = 1E-5	NA	NA	NA	NA	NA
Total Risk = 1E-6	NA	NA	NA	NA	NA
Risk of cPAHs mixture= 1E-5	NA	NA	NA	NA	NA
Benzene MCL = 5 ug/L	NA	NA	NA	NA	NA
MTBE = 20 ug/L	NA	NA	NA	NA	NA

Note: 100% NAPL is 66000 mg/kg TPH.

3.2 Protection of Ground Water Quality for TPH Ground Water Concentration previously adjusted and entered

Ground Water Criteria	Protective Ground Water Concentration			Protective Soil Conc, mg/kg
	TPH Conc, ug/L	Risk @	HI @	
Target TPH GW Conc = 800 ug/L	3.49E+02	0.00E+00	8.34E-01	**100% NAPL**

A2. 1C Worksheet for Calculating Soil Cleanup Levels for Protection of Human Health: (Soil Direct Contact Pathway)
Method C: Industrial Land Use (WAC 173-340-745)

Date: 1/28/2011
Site Name: Fox Ave
Sample Name: GP-78-45.0-45.5

Chemical of Concern or EC Group	Current Condition				Adjusted Condition			
	Measured Soil Conc @dry basis	HQ	RISK	Pass or Fail?	Soil Conc being tested	HQ	RISK	Pass or Fail?
	mg/kg	unitless	unitless		mg/kg	unitless	unitless	
Petroleum EC Fraction								
AL_EC >5-6	0				0.00E+00			
AL_EC >6-8	0				0.00E+00			
AL_EC >8-10	500	1.15E-02			1.58E+04	3.62E-01		
AL_EC >10-12	600	1.38E-02			1.89E+04	4.34E-01		
AL_EC >12-16	10	5.00E-04			3.16E+02	1.58E-02		
AL_EC >16-21	0				0.00E+00			
AL_EC >21-34	0				0.00E+00			
AR_EC >8-10	85	5.84E-04			2.68E+03	1.85E-02		
AR_EC >10-12	72	2.48E-03			2.27E+03	7.81E-02		
AR_EC >12-16	30	9.00E-04			9.47E+02	2.84E-02		
AR_EC >16-21	17	8.50E-04			5.37E+02	2.68E-02		
AR_EC >21-34	30	1.13E-03			9.47E+02	3.55E-02		
Benzene	0		0.00E+00		0.00E+00		0.00E+00	
Toluene	0				0.00E+00			
Ethylbenzene	0.93	6.17E-06			2.94E+01	1.95E-04		
Total Xylenes	0.47	1.57E-06			1.48E+01	4.95E-05		
Naphthalene	0.33	2.03E-05			1.04E+01	6.41E-04		
1-Methyl Naphthalene	0				0.00E+00	0.00E+00		
2-Methyl Naphthalene	0				0.00E+00	0.00E+00		
n-Hexane	0				0.00E+00	0.00E+00		
MTBE	0				0.00E+00			
Ethylene Dibromide (EDB)	0		0.00E+00		0.00E+00	0.00E+00	0.00E+00	
1,2 Dichloroethane (EDC)	0		0.00E+00		0.00E+00	0.00E+00	0.00E+00	
Benzo(a)anthracene	0		0.00E+00		0.00E+00		0.00E+00	
Benzo(b)fluoranthene	0		0.00E+00		0.00E+00		0.00E+00	
Benzo(k)fluoranthene	0		0.00E+00		0.00E+00		0.00E+00	
Benzo(a)pyrene	0		0.00E+00		0.00E+00		0.00E+00	
Chrysene	0		0.00E+00		0.00E+00		0.00E+00	
Dibenz(a,h)anthracene	0		0.00E+00		0.00E+00		0.00E+00	
Indeno(1,2,3-cd)pyrene	0		0.00E+00		0.00E+00		0.00E+00	
Sum	**1345.73**	3.17E-02	0.00E+00		4.25E+04	1.00E+00	0.00E+00	

TEST CURRENT CONDITION

Measured TPH Soil Conc, mg/kg= 1345.730
HI= 3.167E-02
RISK= 0.000E+00
Pass or Fail? Pass
Check Residual Saturation (WAC340-747(10))

CALCULATE PROTECTIVE CONDITION

This tool allows the user to calculate protective TPH soil concentration based on various soil quality criteria. The Workbook uses the same composition ratio as for the measured data.

Calculate Protective TPH soil Conc

Selected Criterion: @HI=1
Most Stringent? YES

Protctive TPH Soil Conc, mg/kg = 42491.269
HI = 1.000E+00
RISK = 0.000E+00

Check Residual Saturation (WAC340-747(10))

TEST ADJUSTED CONDITION

This tool allows the user to test whether a particular TPH soil concentration is protective of human health. The Workbook uses the same composition ratio as for the measured data.

Test Adjusted TPH Soil Conc

Tested TPH Soil Conc, mg/kg=
HI=
RISK=
Pass or Fail?

A1 Soil Cleanup Levels: Worksheet for Soil Data Entry: Refer to WAC 173-340-720, 740,745, 747, 750

1. Enter Site Information

Date: 01/28/11
Site Name: Fox Ave
Sample Name: GP-78-55.5-56.0

2. Enter Soil Concentration Measured

Chemical of Concern or Equivalent Carbon Group	Measured Soil Conc dry basis mg/kg	Composition Ratio %
Petroleum EC Fraction		
AL_EC >5-6	0	0.00%
AL_EC >6-8	7	0.65%
AL_EC >8-10	370	34.26%
AL_EC >10-12	430	39.81%
AL_EC >12-16	12	1.11%
AL_EC >16-21	0	0.00%
AL_EC >21-34	0	0.00%
AR_EC >8-10	85	7.87%
AR_EC >10-12	81	7.50%
AR_EC >12-16	32	2.96%
AR_EC >16-21	29	2.69%
AR_EC >21-34	34	3.15%
Benzene	0	0.00%
Toluene	0	0.00%
Ethylbenzene	0	0.00%
Total Xylenes	0	0.00%
Naphthalene	0	0.00%
1-Methyl Naphthalene	0	0.00%
2-Methyl Naphthalene	0	0.00%
n-Hexane	0	0.00%
MTBE	0	0.00%
Ethylene Dibromide (EDB)	0	0.00%
1,2 Dichloroethane (EDC)	0	0.00%
Benzo(a)anthracene	0	0.00%
Benzo(b)fluoranthene	0	0.00%
Benzo(k)fluoranthene	0	0.00%
Benzo(a)pyrene	0	0.00%
Chrysene	0	0.00%
Dibenz(a,h)anthracene	0	0.00%
Indeno(1,2,3-cd)pyrene	0	0.00%
Sum	1080	100.00%

Notes for Data Entry | Set Default Hydrogeology

Clear All Soil Concentration Data Entry Cells

Restore All Soil Concentration Data cleared previously

REMARK:
Two samples representative of the mineral spirits contamination present at the Fox Avenue Site were collected during the 2009 additional geoprobe investigation. The samples were collected within the akaline shed part of the warehouse and both exhibited strong odor and evidence of petroleum contamination. Both samples were analyzed using Ecology's NWVPH and NWEPH methodologies by Fremont Analytical. The lab report is attached. Data for both the GP-78-45.0-45.5 and GP-78-55.5-56.0 samples were analyzed and the most conservative (lowest) result was used. Where results were avaliable for the same Petroleum EC Fraction through both methods, the highest value was used (following guidance in the User Manual, Ecology 2007).

BTEX and Napthalene concentrations for the same samples were analyzed via EPA Method 8260B.

Where results were qualified with a "nd" or "U", 0 was input into this sheet.

Where results were qualified with a "UJ", the 1/2 of the RL itself was input into the spreadsheet.

A Value of 0 was input for all parameters not present in mineral spirits. Default Hydrogeology parameters were used.

Targe level for grounwater used gasoline range with benzene present because the carbon range for mineral spirits is C_6-C_{12}, which occurs within the gasoline range.

3. Enter Site-Specific Hydrogeological Data

Total soil porosity:	0.43	Unitless
Volumetric water content:	0.3	Unitless
Volumetric air content:	0.13	Unitless
Soil bulk density measured:	1.5	kg/L
Fraction Organic Carbon:	0.001	Unitless
Dilution Factor:	20	Unitless

4. Target TPH Ground Water Concentation (if adjusted)

If you adjusted the target TPH ground water concentration, enter adjusted value here:	800	ug/L

A2 Soil Cleanup Levels: Calculation and Summary of Results. Refer to WAC 173-340-720, 740, 745, 747, 750

Site Information

Date: 1/28/2011
Site Name: Fox Ave
Sample Name: GP-78-55.5-56.0
Measured Soil TPH Concentration, mg/kg: **1,080.000**

1. Summary of Calculation Results

Exposure Pathway	Method/Goal	Protective Soil TPH Conc, mg/kg	With Measured Soil Conc		Does Measured Soil Conc Pass or Fail?
			RISK @	HI @	
Protection of Soil Direct Contact: Human Health	Method B	2,257	0.00E+00	4.79E-01	Pass
	Method C	41,555	0.00E+00	2.60E-02	Pass
Protection of Method B Ground Water Quality (Leaching)	Potable GW: Human Health Protection	825	0.00E+00	1.02E+00	Fail
	Target TPH GW Conc. @ 800 ug/L	100% NAPL	NA	NA	Pass

Warning! Check to determine if a simplified or site-specific Terrestrial Ecological Evaluation may be required (Refer to WAC 173-340-7490 through ~7494).

Warning! Check Residual Saturation (WAC340-747(10)).

2. Results for Protection of Soil Direct Contact Pathway: Human Health

	Method B: Unrestricted Land Use	Method C: Industrial Land Use
Protective Soil Concentration, TPH mg/kg	**2,256.52**	**41,554.58**
Most Stringent Criterion	**HI =1**	**HI =1**

Soil Criteria	Protective Soil Concentration @Method B				Protective Soil Concentration @Method C			
	Most Stringent?	TPH Conc, mg/kg	RISK @	HI @	Most Stringent?	TPH Conc, mg/kg	RISK @	HI @
HI =1	YES	2.26E+03	0.00E+00	1.00E+00	YES	4.16E+04	0.00E+00	1.00E+00
Total Risk=1E-5	NA	NA	NA	NA	NA	NA	NA	NA
Risk of Benzene= 1E-6	NA	NA	NA	NA	NA			
Risk of cPAHs mixture= 1E-6	NA	NA	NA	NA				
EDB	NA	NA	NA	NA				
EDC	NA	NA	NA	NA				

NA

3. Results for Protection of Ground Water Quality (Leaching Pathway)

3.1. Protection of Potable Ground Water Quality (Method B): Human Health Protection

Most Stringent Criterion	**HI=1**
Protective Ground Water Concentration, ug/L	**388.14**
Protective Soil Concentration, mg/kg	**824.76**

Ground Water Criteria	Protective Potable Ground Water Concentration @Method B				Protective Soil Conc, mg/kg
	Most Stringent?	TPH Conc, ug/L	RISK @	HI @	
HI=1	YES	3.88E+02	0.00E+00	1.00E+00	8.25E+02
Total Risk = 1E-5	NA	NA	NA	NA	NA
Total Risk = 1E-6	NA	NA	NA	NA	NA
Risk of cPAHs mixture= 1E-5	NA	NA	NA	NA	NA
Benzene MCL = 5 ug/L	NA	NA	NA	NA	NA
MTBE = 20 ug/L	NA	NA	NA	NA	NA

3.2 Protection of Ground Water Quality for TPH Ground Water Concentration previously adjusted and entered

Ground Water Criteria	Protective Ground Water Concentration			Protective Soil Conc, mg/kg
	TPH Conc, ug/L	Risk @	HI @	
Target TPH GW Conc = 800 ug/L	4.30E+02	0.00E+00	1.08E+00	**100% NAPL**

A2. 1C Worksheet for Calculating Soil Cleanup Levels for Protection of Human Health: (Soil Direct Contact Pathway)
Method C: Industrial Land Use (WAC 173-340-745)

Date: 1/28/2011
Site Name: Fox Ave
Sample Name: GP-78-55.5-56.0

Chemical of Concern or EC Group	Current Condition				Adjusted Condition			
	Measured Soil Conc @dry basis	HQ	RISK	Pass or Fail?	Soil Conc being tested	HQ	RISK	Pass or Fail?
	mg/kg	unitless	unitless		mg/kg	unitless	unitless	
Petroleum EC Fraction								
AL_EC >5-6	0				0.00E+00			
AL_EC >6-8	7	2.8E-06			2.69E+02	1.09E-04		
AL_EC >8-10	370	8.48E-03			1.42E+04	3.26E-01		
AL_EC >10-12	430	9.85E-03			1.65E+04	3.79E-01		
AL_EC >12-16	12	6.00E-04			4.62E+02	2.31E-02		
AL_EC >16-21	0				0.00E+00			
AL_EC >21-34	0				0.00E+00			
AR_EC >8-10	85	5.84E-04			3.27E+03	2.25E-02		
AR_EC >10-12	81	2.78E-03			3.12E+03	1.07E-01		
AR_EC >12-16	32	9.60E-04			1.23E+03	3.69E-02		
AR_EC >16-21	29	1.45E-03			1.12E+03	5.58E-02		
AR_EC >21-34	34	1.28E-03			1.31E+03	4.91E-02		
Benzene	0		0.00E+00		0.00E+00		0.00E+00	
Toluene	0				0.00E+00			
Ethylbenzene	0				0.00E+00			
Total Xylenes	0				0.00E+00			
Naphthalene	0				0.00E+00	0.00E+00		
1-Methyl Naphthalene	0				0.00E+00	0.00E+00		
2-Methyl Naphthalene	0				0.00E+00	0.00E+00		
n-Hexane	0				0.00E+00	0.00E+00		
MTBE	0				0.00E+00			
Ethylene Dibromide (EDB)	0		0.00E+00		0.00E+00	0.00E+00	0.00E+00	
1,2 Dichloroethane (EDC)	0		0.00E+00		0.00E+00	0.00E+00	0.00E+00	
Benzo(a)anthracene	0		0.00E+00		0.00E+00		0.00E+00	
Benzo(b)fluoranthene	0		0.00E+00		0.00E+00		0.00E+00	
Benzo(k)fluoranthene	0		0.00E+00		0.00E+00		0.00E+00	
Benzo(a)pyrene	0		0.00E+00		0.00E+00		0.00E+00	
Chrysene	0		0.00E+00		0.00E+00		0.00E+00	
Dibenz(a,h)anthracene	0		0.00E+00		0.00E+00		0.00E+00	
Indeno(1,2,3-cd)pyrene	0		0.00E+00		0.00E+00		0.00E+00	
Sum	**1080**	2.60E-02	0.00E+00		4.16E+04	1.00E+00	0.00E+00	

TEST CURRENT CONDITION

Measured TPH Soil Conc, mg/kg= 1080.000
HI= 2.599E-02
RISK= 0.000E+00
Pass or Fail? Pass
Check Residual Saturation (WAC340-747(10))

CALCULATE PROTECTIVE CONDITION

This tool allows the user to calculate protective TPH soil concentration based on various soil quality criteria. The Workbook uses the same composition ratio as for the measured data.

Calculate Protective TPH soil Conc

Selected Criterion: @HI=1
Most Stringent? YES

Protctive TPH Soil Conc, mg/kg = 41554.581
HI = 1.000E+00
RISK = 0.000E+00

Check Residual Saturation (WAC340-747(10))

TEST ADJUSTED CONDITION

This tool allows the user to test whether a particular TPH soil concentration is protective of human health. The Workbook uses the same composition ratio as for the measured data.

Test Adjusted TPH Soil Conc

Tested TPH Soil Conc, mg/kg=
HI=
RISK=
Pass or Fail?

Fox Avenue Site
Seattle, Washington

Remedial Investigation/ Feasibility Study

Appendix I
Remediation Level Evaluation

FINAL

Table of Contents

List of Attachments

1.0 INTRODUCTION

The purpose of this appendix is to evaluate remediation levels for soil and groundwater at the Fox Avenue Site (Site). A remediation level is unique from a cleanup level in that it is defined as the chemical concentration of a hazardous substance at which a transition between cleanup technologies occurs. The cleanup of this Site will involve both a soil and a groundwater remediation level. In this case, the remediation levels define the transition between aggressive, short time frame technologies and more passive, longer time frame technologies. As explained in the Remedial Investigation/Feasibility Study (RI/FS) text, the soil remediation level applies to the main plume source area and the groundwater remediation level applies to groundwater at or downgradient of the conditional point of compliance along Fox Avenue. Consideration of the soil remediation level is presented first.

2.0 SOIL REMEDIATION LEVEL

The most aggressive technology that can be practically applied for cleanup of the solvent in the source area at the Site is thermal remediation, specifically Electrical Resistance Heating (ERH). This technology is well suited to the Site based on the nature of the contamination (primarily CVOCs that boil at temperatures < 100° C) and its ability to achieve, in-situ, uniform heating in siltier layers where the bulk of the contaminant mass may reside. No other technology was identified that can deliver that same degree of potential cleanup given Site conditions. However, ERH is an extremely complex and costly technology and even in the best of situations, will leave behind residual mass. The determination of the remediation level for thermal treatment purposes is a balance between what is technologically achievable, the cost and effort to do so, and whether the remediation levels leave behind residual concentrations that are more effectively addressed by other technologies.

2.1 Background

Review of the data presented in the RI indicates that most of the soil contamination (i.e., tetrachloroethene [PCE] and trichloroethene [TCE]) at the Site resides within the Main Plume Source Area, especially within the 1st Water Bearing Zone (WBZ) and 1st Silt Horizon (SH). These zones contain by far the highest levels of contamination across a wider area as compared to the deeper contamination (refer to Figures 5.4 and 5.6).

Per the RI, the primary source areas of the Site are defined by the 1 mg/kg PCE+TCE soil contours (refer to Figure 5.4) found in the Main Source Area Cleanup Action Area. The 1 mg/kg concentration contour represents a conservative break between the source areas that contain high levels of contamination across multiple depths and non-source areas that contain little to no contamination and have no associated groundwater plume. It is important to note that PCE and TCE are detectable in soil downgradient (outside) of the main plume source areas but these concentrations rarely exceed 1 mg/kg PCE+TCE. The cause of this low-level contamination is thought to be due solely to the adsorption of PCE onto soil organic matter via groundwater transport (i.e., not because of spills or leaks of PCE or TCE). These areas will not be addressed via thermal treatment, instead they will be addressed using enhanced reductive dechlorination (ERD) because the PCE and TCE are expected to rapidly desorb following source area treatment and ERD will degrade these compounds to ethene.

Within the boundaries of the source area (1 mg/kg PCE+TCE contour), four “order of magnitude” remediation levels were considered: 1 mg/kg, 10 mg/kg, 100 mg/kg, and 1,000

mg/kg. These remediation levels are consistent with the soil contour intervals presented in Figure 5.6. A remediation level of 0.1 mg/kg was not considered, because this concentration would result in cleaner soil than what exists in downgradient soil, which is better addressed by ERD, as discussed above and in the Feasibility Study. Incremental values in between these four remediation levels (e.g., 5 mg/kg, 25 mg/kg, etc.) were also not considered because the data set did not support reliable contouring for incremental values.

2.2 Technology Limitations

Based on discussions with various thermal vendors, it is common for ERH to be able to achieve, at most sites contaminated with chlorinated ethenes and ethanes (CEAs), between a 95 percent and 99 percent reduction in the average concentrations prior to treatment. While higher levels of cleanup may be achievable with added effort and energy in certain conditions, 99 percent represents, for all practical purposes, an upper bound technological limit that can reasonably be expected to be achieved.

In this analysis, the existing soil data is used to estimate the average concentration and mass of solvent within the 1, 10, 100, and 1,000 mg/kg contour intervals in both the main warehouse plume and the loading dock plume. Following this estimation of contaminant mass, the amount and percentage of the total mass that would be removed by thermal treatment to each of the four remediation levels was determined. These removal percentages were then compared to the 99 percent removal benchmark.

To arrive at the estimate of mass of contamination in each soil plume the following procedure was used:

1. Determined the soil volume within each plume:
    a. Totaled the ground surface area within each individual concentration contour for every depth interval.
    b. Determined the average depth of each contour, within each of seven different depth zones, with the following notes:
        i. Depths on maps have consistent depth intervals for elevations between 0 and -50 feet; this was not the case for the vadose zone map or the 1st WBZ and 1st SH map
        ii. Data points within the warehouse were treated differently than points that are not within the warehouse, because of a difference in ground surface elevation
    c. Multiplied the surface area of each contour by its corresponding depth interval to estimate the volume of soil in the contour
    d. Converted resulting soil volume to cubic yards and converted corresponding weight of soil to pounds using standard conversion factors
2. Determined the average PCE+TCE concentration within each of the contour intervals used to calculate soil volume:
    a. Used the mid-point concentration of the contour interval range as the assumed average except for the 1,000 to 10,000 mg/kg contour (e.g., 5 mg/kg for the 1 to 10 mg/kg interval).
    b. For the 1,000 to 10,000 mg/kg contour, used the average of the actual detected concentrations falling within that range; however, concentrations less than 1 mg/kg were discarded from the average.

c. Multiplied the average concentration of PCE+TCE (in mg/kg) by the gross kilogram weight of the soil volume in the corresponding contour, then converted the total chemical weight from mgs to pounds.

The results of the above methodology are presented in the following tables:

Estimated Cubic Yards of Soil Present in Warehouse Plume Contours

	1,000–10,000 mg/kg contour	100–1,000 mg/kg contour	10–100 mg/kg contour	1.0–10 mg/kg contour	Total Cubic Yards of Soil
Vadose		1,702.5	1,112.1	3,628.9	6,443.5
1st WBZ and 1st SH	651.2	350.8	669.5	1,426.4	3,097.9
0 to -10				377.8	377.8
-10 to -20				423.3	423.3
-20 to -30			1,237.4	2,625.9	3,863.3
-30 to -40			3,217.8	1,939.3	5,157.0
-40 to -50			1,028.1	1,733.7	2,761.9
Total Cubic Yards of Soil	**651**	**2,053**	**7,265**	**12,155**	**22,125**

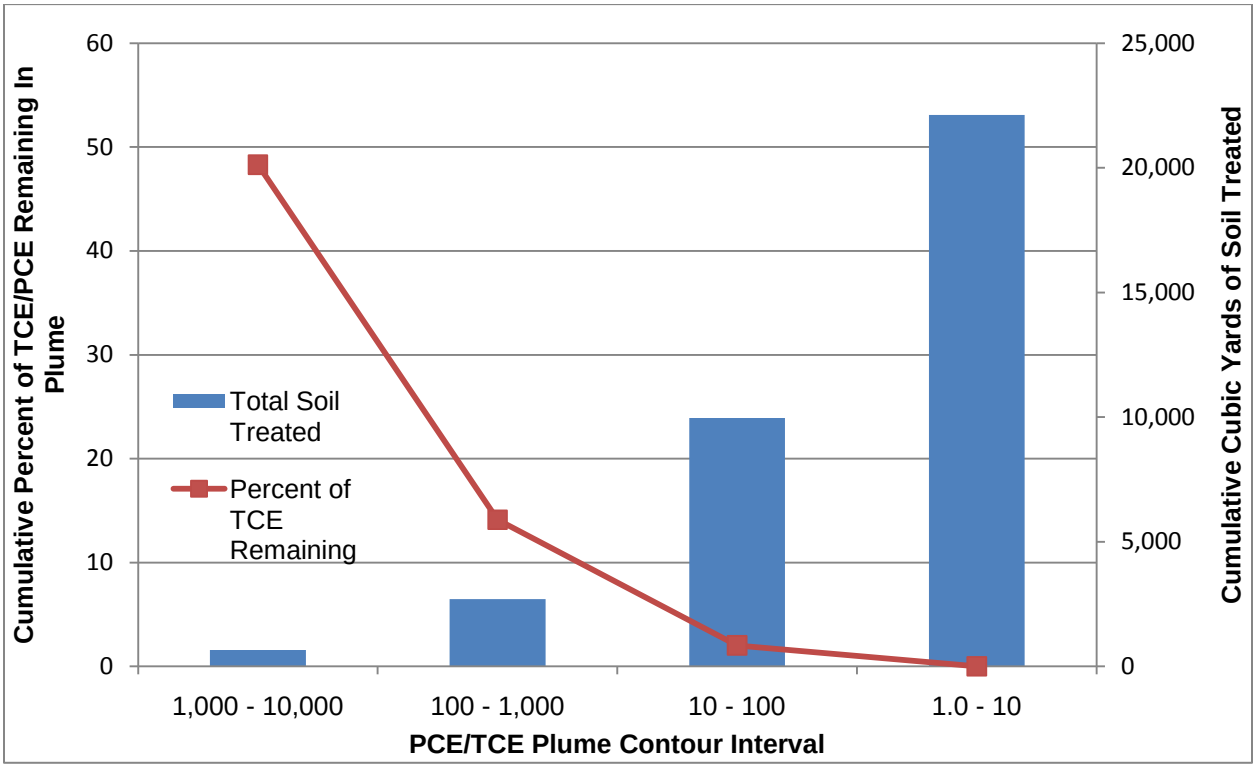
Estimated Pounds of PCE+TCE Present in Main Warehouse Plume

	1,000–10,000 mg/kg contour	100–1,000 mg/kg contour	10–100 mg/kg contour	1.0–10 mg/kg contour	Total Pounds of PCE+TCE
Vadose		2,553.7	166.8	54.4	2,775.0
1st WBZ and 1st SH	4,657.0	526.2	100.4	21.4	5,305.0
0 to -10				5.7	5.7
-10 to -20				6.4	6.4
-20 to -30			185.6	39.4	225.0
-30 to -40			482.7	29.1	511.8
-40 to -50			154.2	26.0	180.2
Total Pounds of PCE+TCE	**4,657**	**3,080**	**1,090**	**182**	**9,009**

Summary Table: Main Warehouse Plume

Plume Contour (mg/kg)	Total Cubic Yards of Soil Present in Each Plume Contour	Pounds of PCE+TCE in Each Plume Contour	Percent of PCE+TCE in Each Plume Contour
1,000–10,000	651	4,657	52%
100 –1,000	2,053	3,080	34%
10 –100	7,265	1,090	12%
1.0–10	12,155	182	2%

Summary Chart: Main Warehouse Plume



Estimated Cubic Yards of Soil Present in Loading Dock Plume

	1,000–10,000 mg/kg contour	100–1,000 mg/kg contour	10–100 mg/kg contour	1.0–10 mg/kg contour	Total Cubic Yards of Soil
Vadose		352.2	428.3	277.0	1,057.5
1st WBZ and 1st SH	34.6	23.7	137.6	160.4	356.3
Total Cubic Yards of Soil	**35**	**376**	**566**	**437**	**1,414**

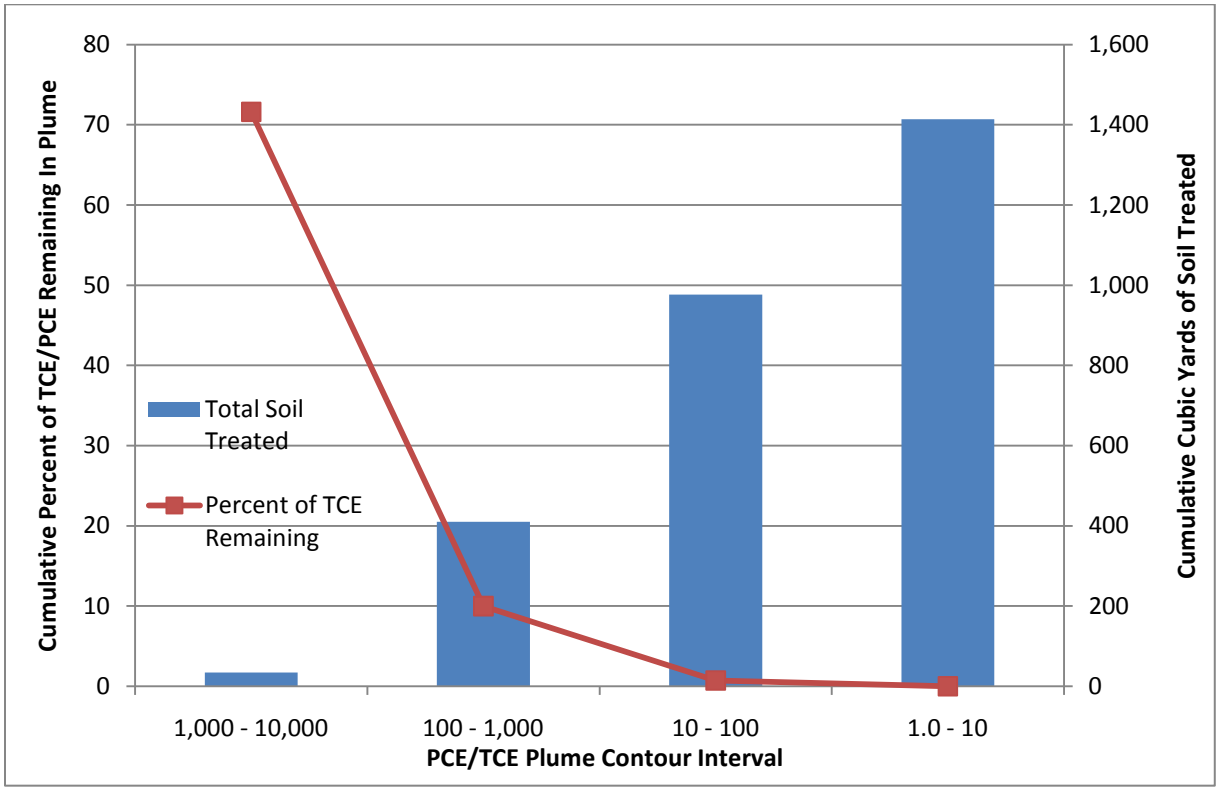
Estimated Pounds of PCE+TCE Present in Loading Dock Plume

	1,000–10,000 mg/kg contour	100–1,000 mg/kg contour	10–100 mg/kg contour	1.0–10 mg/kg contour	Total Pounds of PCE+TCE
Vadose	144.5	528.3	64.2	4.2	741.2
1st WBZ and 1st SH	115.4	35.6	20.6	2.4	174.0
Total Pounds of PCE/TCE	**260**	**564**	**85**	**7**	**915**

Summary Table: Loading Dock

	Total Cubic Yards of Soil Present in Each Plume Contour	Pounds of TCE/PCE in Each Plume Contour	Percent of TCE/PCE in Each Plume Contour
1,000–10,000	35	260	28%
100 –1,000	376	564	62%
10–100	566	85	9%
1.0 –10	437	7	1%

Summary Chart: Loading Dock



2.3 Discussion

The following points of significance are apparent from the above charts and tables:

1. The total soil volume encompassed by all the concentration contours is an estimated 23,400 cubic yards. Of that amount, 22,000 cubic yards are contributed from the main warehouse area and 1,400 cubic yards are contributed from the loading dock area.
2. In the main warehouse area, approximately half of that soil volume resides within the 1 to 10 mg/kg contour and progressively less in the each higher contour interval. In contrast, within the loading dock, the volume of soil is evenly distributed among the four contour intervals.
3. Within this soil volume, there resides an estimated 10,000 lbs of parent solvent mass (PCE+TCE); 9,000 lbs of that resides within the main warehouse plume and 900 lbs within the loading dock plume.
4. Over 85 percent of the PCE+TCE mass resides in the 100 to 1,000 and 1,000 to 10,000 mg/kg contours, especially in the vadose zone and 1st Silt Horizon. Little mass resides below those zones.
5. Only an estimated 1 percent of the solvent mass in the main warehouse area and only 2% of the mass in the loading dock area lies in the 1 to 10 mg/kg contour.

The above analysis demonstrates that a soil remediation level of 1,000 mg/kg is clearly inappropriate as there is still significant source mass in soil areas lying outside this contour. The same is true for a remediation level of 100 mg/kg. Treatment to this level would leave behind 14 percent of the source mass in the main warehouse plume, which is unacceptably large. However, treatment to a remediation level of 10 mg/kg would remove nearly 99 percent of the source mass and treatment to 1 mg/kg would remove nearly 100 percent of the source mass. The 1 percent of residual source mass left behind at a remediation level of 10 mg/kg is an estimated 100 lbs of PCE+TCE. However, this is a rough estimate only; it may be substantially less or more than this amount.

The selected remediation level also represents a maximum acceptable post-thermal average concentration (applied to each of the five treatment zones). If achieved, a remediation level of 10 mg/kg would translate to a 97.5 percent reduction in the current average concentration of 383 mg/kg that occurs within the 1st WBZ and 1st Silt Horizon where the bulk of the contaminant mass resides. Should the post thermal data indicate that an average concentration of 5 mg/kg was achieved, this will represent a nearly 99 percent reduction in concentrations, which is close to the limit of what can be technologically achieved.

It is therefore appropriate to establish a remediation level of 10 mg/kg PCE+TCE for thermal treatment of this Site. This treatment level is technically possible to achieve and will remove (at a minimum) approximately 99 percent of the source mass. However, in order to increase protectiveness, the thermal treatment area will include all soil with concentrations greater than 1 mg/kg (i.e., soil lying within the 1 mg/kg contour). Treatment of soil that is already below the remediation level will reduce the residual source mass even further (as compared to treatment only in areas above the 10 mg/kg contour) and add extra protectiveness to the remedy. Thermal treatment would end when the average concentration of PCE +TCE in soil in all contour areas currently greater than the remediation level is less than or equal to 10 mg/kg. However, residual concentrations of PCE +TCE in soil following thermal treatment will vary significantly, depending

on the pre-thermal concentrations and contours. For example, concentrations in areas already less than 10 mg/kg would have much lower averages that the hot spot areas. To thermally-treat the Site to a remediation level of 5 mg/kg is not justified because it would require significant extra heat to remove a small amount of the residual contaminant mass (approximately 50 lbs). It will be more effective to treat the small amount of residual mass biologically. The post-thermal conditions of elevated temperatures will be conducive to biological growth, which will also be accelerated by ERD substrate injection into the Main Source Area. In other words, additional thermal heating to remove a fairly small amount of solvent that otherwise will be degraded in-situ following thermal remediation is considered impracticable.

3.0 GROUNDWATER REMEDIATION LEVEL

The groundwater remediation level represents the expected concentration in groundwater following thermal treatment. Thermal treatment is an aggressive technology for groundwater. Cleanup of groundwater at the Site following thermal will transition to ERD to insure that the remediation level is met and to help reach the final cleanup levels to the extent practical. According to the thermal vendors, groundwater concentrations are reduced in similar percentages as in soil. Therefore, if the average reduction in soil concentrations at this Site is reduced by 97.5 percent (for a remediation level of 10 mg/kg), the Site will undergo a similar reduction in groundwater concentrations within the source area. Currently, average concentrations within the 1st WBZ where the worst of the plume occurs, are approximately 10,000 µg/kg total CVOCs. The proposed groundwater remediation level of 250 µg/L that is expected to be achieved following thermal treatment represents a 97.5 percent reduction from current average Main Source Area concentrations. ERD will be used to help achieve the remediation level in all downgradient areas following thermal treatment.

4.0 SCREENING EVALUATION OF INDOOR AIR QUALITY

A preliminary screening evaluation was conducted of the potential vapor intrusion pathway in downgradient structures following achievement of the 250 µg/L total CEA remediation level for groundwater. Screening runs were conducted for the identified site air chemicals of concern (COCs), PCE, and TCE, as well as for other chemicals detected in 1st WBZ groundwater in the downgradient groundwater plume, such as vinyl chloride (VC), and 1,1-DCE. This preliminary screening did not consider specific construction information such as ceiling height, slab thickness, and ventilation rates, which are currently unknown for the Seattle Boiler Works property or other downgradient properties. Hence, model default values and conservative assumptions were made for the screening level evaluation.

The Johnson and Ettinger Vapor Intrusion Model (J&E Model) was used as the calculation tool to predict theoretical indoor air concentrations from the four major chlorinated volatile chemicals in groundwater at this Site (PCE, TCE, DCE, VC). Four runs were conducted using an assumed groundwater concentration of 125 µg/L for each of the four main indoor air COCs. The J&E Model was run in a forward calculation process, with the resulting indoor air concentration compared to the MTCA C Industrial air cleanup levels. The following tables show all model input parameters and assumptions. Attachment H.1 include the model runs showing the model input values, and the resulting indoor air concentration ("$C_{building}$"), assuming an infinite contaminant source in groundwater

This modeling exercise was conducted as a conservative screening level evaluation only, and must be confirmed by analytical data to establish the protectiveness of the groundwater

remediation level. Results indicate that the remediation level will likely be protective of indoor air, given the model assumptions and MTCA Method C air cleanup levels. Any future modeling evaluations must be refined to include site-specific information such as actual subslab vapor concentrations, building construction, and ventilation rates.

J&E Model Input Parameters

J&E Model Input Parameter	Units	Input Value	Source
J&E Model Default Parameters Used as Worksheet Input Values			
Depth below grade to bottom of floor	cm	15	Model default value
Floor thickness	cm	10	Model default value
Soil-building pressure differential	$g/cm\text{-}s^2$	40	Model default value
Floor-wall seam crack width	cm	0.1	Model default value
Indoor air exchange rate	1/h	0.25	Model default value
MTCA Cleanup Level Risk Calculation Values (not used)			
Average time for carcinogens	years	--	Model not used for risk calculation – no exposure values used
Exposure Duration	years	--	Model not used for risk calculation – no exposure values used
Exposure Frequency	days/year	--	Model not used for risk calculation – no exposure values used
Target Risk for Carcinogens	unitless	--	Model not used for risk calculation – no exposure values used
Location-Specific Values Used as Model Input Parameters			
Average soil / groundwater temperature	^{O}C	14.8	Based on average of recent (October 2010) data from wells P2M-2L, MW-10, and B-39.
Depth to water table	cm	289.6	Conservative 9.5-ft selected based on recent (October 2010) data from wells B-59 (9.85-ft) and B-61 (10.1-ft)
Soil stratum	(SCS)	Sand	Based on site boring logs
Enclosed space floor length	cm	6096	Assumption on building dimensions based on available maps
Enclosed space floor width	cm	2133.6	Assumption of building dimensions based on available maps
Enclosed space height	cm	457.2	Assumed 15-foot ceiling height
Chemical Concentration in Groundwater (PCE, TCE, VC, 1,1-DCE)	μg/L	125	For each individual CEA

Abbreviations:
PCE Tetrachloroethene

TCE	Trichloroethene
1,1-DCE	1,1-Dichloroethene
VC	Vinyl chloride
CEA	Chlorinated ethene and ethane
ft	Feet
MTCA	Model Toxics Control Act
J&E	Johnson and Ettinger

Downgradient Groundwater Plume
Vapor Intrusion Screening Evaluation Results

Modeled 1st WBZ Groundwater Chemical	Groundwater Concentration Input Value (µg/L)	Modeled Indoor Air Concentration (µg/m^3)	MTCA Method C Indoor Air Cleanup Level (µg/m^3)
Tetrachloroethene	125	4.62	4.17 (carcinogen)
Trichloroethene	125	2.78	1.00 (carcinogen)
1,1-Dichloroethene	125	8.16	200
Vinyl Chloride	125	9.36	2.84 (carcinogen)

Fox Avenue Site
Seattle, Washington

Remedial Investigation/ Feasibility Study

Appendix I
Remediation Level Evaluation

Attachment I.1
J&E Model Runs

FINAL

DATA ENTRY SHEET

GW-ADV Version 3.1; 02/04

Reset to Defaults

CALCULATE RISK-BASED GROUNDWATER CONCENTRATION (enter "X" in "YES" box)

YES

OR

CALCULATE INCREMENTAL RISKS FROM ACTUAL GROUNDWATER CONCENTRATION (enter "X" in "YES" box and initial groundwater conc. below)

YES: X

ENTER Chemical CAS No. (numbers only, no dashes)	ENTER Initial groundwater conc., C_W (µg/L)	Chemical
127184	1.25E+02	Tetrachloroethylene

MORE ↓

ENTER Average soil/ groundwater temperature, T_S (°C)	ENTER Depth below grade to bottom of enclosed space floor, L_F (cm)	ENTER Depth below grade to water table, L_{WT} (cm)	ENTER Totals must add up to value of L_{WT} (cell G28): Thickness of soil stratum A, h_A (cm)	ENTER Thickness of soil stratum B, (Enter value or 0) h_B (cm)	ENTER Thickness of soil stratum C, (Enter value or 0) h_C (cm)	ENTER Soil stratum directly above water table, (Enter A, B, or C)	ENTER SCS soil type directly above water table	ENTER Soil stratum A SCS soil type (used to estimate soil vapor permeability)	OR	ENTER User-defined stratum A soil vapor permeability, k_v (cm^2)
14.8	15	289.6	289.6	0	0	A	S			1.00E-08

MORE ↓

ENTER Stratum A SCS soil type (Lookup Soil Parameters)	ENTER Stratum A soil dry bulk density, ρ_b^A (g/cm^3)	ENTER Stratum A soil total porosity, n^A (unitless)	ENTER Stratum A soil water-filled porosity, θ_w^A (cm^3/cm^3)	ENTER Stratum B SCS soil type (Lookup Soil Parameters)	ENTER Stratum B soil dry bulk density, ρ_b^B (g/cm^3)	ENTER Stratum B soil total porosity, n^B (unitless)	ENTER Stratum B soil water-filled porosity, θ_w^B (cm^3/cm^3)	ENTER Stratum C SCS soil type (Lookup Soil Parameters)	ENTER Stratum C soil dry bulk density, ρ_b^C (g/cm^3)	ENTER Stratum C soil total porosity, n^C (unitless)	ENTER Stratum C soil water-filled porosity, θ_w^C (cm^3/cm^3)
S	1.66	0.375	0.054		1.5	0.43			1.5	0.43	

MORE ↓

ENTER Enclosed space floor thickness, L_{crack} (cm)	ENTER Soil-bldg. pressure differential, ΔP ($g/cm-s^2$)	ENTER Enclosed space floor length, L_B (cm)	ENTER Enclosed space floor width, W_B (cm)	ENTER Enclosed space height, H_B (cm)	ENTER Floor-wall seam crack width, w (cm)	ENTER Indoor air exchange rate, ER (1/h)	ENTER Average vapor flow rate into bldg. OR Leave blank to calculate Q_{soil} (L/m)
10	40	6096	2133.6	457.2	0.1	0.25	

MORE ↓

ENTER Averaging time for carcinogens, AT_C (yrs)	ENTER Averaging time for noncarcinogens, AT_{NC} (yrs)	ENTER Exposure duration, ED (yrs)	ENTER Exposure frequency, EF (days/yr)	ENTER Target risk for carcinogens, TR (unitless)	ENTER Target hazard quotient for noncarcinogens, THQ (unitless)
				1.0E-06	1

Used to calculate risk-based groundwater concentration.

END

INTERMEDIATE CALCULATIONS SHEET

Exposure duration, τ (sec)	Source-building separation, L_T (cm)	Stratum A soil air-filled porosity, θ_a^A (cm^3/cm^3)	Stratum B soil air-filled porosity, θ_a^B (cm^3/cm^3)	Stratum C soil air-filled porosity, θ_a^C (cm^3/cm^3)	Stratum A effective total fluid saturation, S_{te} (cm^3/cm^3)	Stratum A soil intrinsic permeability, k_i (cm^2)	Stratum A soil relative air permeability, k_{rg} (cm^2)	Stratum A soil effective vapor permeability, k_v (cm^2)	Thickness of capillary zone, L_{cz} (cm)	Total porosity in capillary zone, n_{cz} (cm^3/cm^3)	Air-filled porosity in capillary zone, $\theta_{a,cz}$ (cm^3/cm^3)	Water-filled porosity in capillary zone, $\theta_{w,cz}$ (cm^3/cm^3)	Floor-wall seam perimeter, X_{crack} (cm)
0.00E+00	274.6	0.321	ERROR	ERROR	#N/A	#N/A	#N/A	1.00E-08	17.05	0.375	0.122	0.253	16,459

Bldg. ventilation rate, $Q_{building}$ (cm^3/s)	Area of enclosed space below grade, A_B (cm^2)	Crack-to-total area ratio, η (unitless)	Crack depth below grade, Z_{crack} (cm)	Enthalpy of vaporization at ave. groundwater temperature, $\Delta H_{v,TS}$ (cal/mol)	Henry's law constant at ave. groundwater temperature, H_{TS} (atm-m^3/mol)	Henry's law constant at ave. groundwater temperature, H'_{TS} (unitless)	Vapor viscosity at ave. soil temperature, μ_{TS} (g/cm-s)	Stratum A effective diffusion coefficient, D^{eff}_A (cm^2/s)	Stratum B effective diffusion coefficient, D^{eff}_B (cm^2/s)	Stratum C effective diffusion coefficient, D^{eff}_C (cm^2/s)	Capillary zone effective diffusion coefficient, D^{eff}_{cz} (cm^2/s)	Total overall effective diffusion coefficient, D^{eff}_T (cm^2/s)	Diffusion path length, L_d (cm)
4.13E+05	1.33E+07	1.24E-04	15	9,504	1.04E-02	4.40E-01	1.77E-04	1.16E-02	0.00E+00	0.00E+00	4.62E-04	4.66E-03	274.6

Convection path length, L_p (cm)	Source vapor conc., C_{source} ($\mu g/m^3$)	Crack radius, r_{crack} (cm)	Average vapor flow rate into bldg., Q_{soil} (cm^3/s)	Crack effective diffusion coefficient, D^{crack} (cm^2/s)	Area of crack, A_{crack} (cm^2)	Exponent of equivalent foundation Peclet number, exp(Pe^f) (unitless)	Infinite source indoor attenuation coefficient, α (unitless)	Infinite source bldg. conc., $C_{building}$ ($\mu g/m^3$)	Unit risk factor, URF $(\mu g/m^3)^{-1}$	Reference conc., RfC (mg/m^3)
15	5.50E+04	0.10	4.10E+01	1.16E-02	1.65E+03	1.97E+09	8.40E-05	4.62E+00	5.9E-06	6.0E-01

END

DATA ENTRY SHEET

GW-ADV Version 3.1; 02/04

Reset to Defaults

CALCULATE RISK-BASED GROUNDWATER CONCENTRATION (enter "X" in "YES" box)

YES

OR

CALCULATE INCREMENTAL RISKS FROM ACTUAL GROUNDWATER CONCENTRATION (enter "X" in "YES" box and initial groundwater conc. below)

YES: X

ENTER Chemical CAS No. (numbers only, no dashes)	ENTER Initial groundwater conc., C_W (µg/L)	Chemical
79016	1.25E+02	Trichloroethylene

MORE ↓

ENTER Average soil/ groundwater temperature, T_S (°C)	ENTER Depth below grade to bottom of enclosed space floor, L_F (cm)	ENTER Depth below grade to water table, L_{WT} (cm)	ENTER Totals must add up to value of L_{WT} (cell G28): Thickness of soil stratum A, h_A (cm)	ENTER Thickness of soil stratum B, (Enter value or 0) h_B (cm)	ENTER Thickness of soil stratum C, (Enter value or 0) h_C (cm)	ENTER Soil stratum directly above water table, (Enter A, B, or C)	ENTER SCS soil type directly above water table	ENTER Soil stratum A SCS soil type (used to estimate soil vapor permeability)	OR	ENTER User-defined stratum A soil vapor permeability, k_v (cm^2)
14.8	15	289.6	289.6	0	0	A	S			1.00E-08

MORE ↓

ENTER Stratum A SCS soil type (Lookup Soil Parameters)	ENTER Stratum A soil dry bulk density, ρ_b^A (g/cm^3)	ENTER Stratum A soil total porosity, n^A (unitless)	ENTER Stratum A soil water-filled porosity, θ_w^A (cm^3/cm^3)	ENTER Stratum B SCS soil type (Lookup Soil Parameters)	ENTER Stratum B soil dry bulk density, ρ_b^B (g/cm^3)	ENTER Stratum B soil total porosity, n^B (unitless)	ENTER Stratum B soil water-filled porosity, θ_w^B (cm^3/cm^3)	ENTER Stratum C SCS soil type (Lookup Soil Parameters)	ENTER Stratum C soil dry bulk density, ρ_b^C (g/cm^3)	ENTER Stratum C soil total porosity, n^C (unitless)	ENTER Stratum C soil water-filled porosity, θ_w^C (cm^3/cm^3)
S	1.66	0.375	0.054		1.5	0.43			1.5	0.43	

MORE ↓

ENTER Enclosed space floor thickness, L_{crack} (cm)	ENTER Soil-bldg. pressure differential, ΔP ($g/cm-s^2$)	ENTER Enclosed space floor length, L_B (cm)	ENTER Enclosed space floor width, W_B (cm)	ENTER Enclosed space height, H_B (cm)	ENTER Floor-wall seam crack width, w (cm)	ENTER Indoor air exchange rate, ER (1/h)	ENTER Average vapor flow rate into bldg. OR Leave blank to calculate Q_{soil} (L/m)
10	40	6096	2133.6	457.2	0.1	0.25	

MORE ↓

ENTER Averaging time for carcinogens, AT_C (yrs)	ENTER Averaging time for noncarcinogens, AT_{NC} (yrs)	ENTER Exposure duration, ED (yrs)	ENTER Exposure frequency, EF (days/yr)	ENTER Target risk for carcinogens, TR (unitless)	ENTER Target hazard quotient for noncarcinogens, THQ (unitless)
70	30	30	350	1.0E-06	1

Used to calculate risk-based groundwater concentration.

END

INTERMEDIATE CALCULATIONS SHEET

Exposure duration, τ (sec)	Source-building separation, L_T (cm)	Stratum A soil air-filled porosity, θ_a^A (cm^3/cm^3)	Stratum B soil air-filled porosity, θ_a^B (cm^3/cm^3)	Stratum C soil air-filled porosity, θ_a^C (cm^3/cm^3)	Stratum A effective total fluid saturation, S_{te} (cm^3/cm^3)	Stratum A soil intrinsic permeability, k_i (cm^2)	Stratum A soil relative air permeability, k_{rg} (cm^2)	Stratum A soil effective vapor permeability, k_v (cm^2)	Thickness of capillary zone, L_{cz} (cm)	Total porosity in capillary zone, n_{cz} (cm^3/cm^3)	Air-filled porosity in capillary zone, $\theta_{a,cz}$ (cm^3/cm^3)	Water-filled porosity in capillary zone, $\theta_{w,cz}$ (cm^3/cm^3)	Floor-wall seam perimeter, X_{crack} (cm)
9.46E+08	274.6	0.321	ERROR	ERROR	#N/A	#N/A	#N/A	1.00E-08	17.05	0.375	0.122	0.253	16,459

Bldg. ventilation rate, $Q_{building}$ (cm^3/s)	Area of enclosed space below grade, A_B (cm^2)	Crack-to-total area ratio, η (unitless)	Crack depth below grade, Z_{crack} (cm)	Enthalpy of vaporization at ave. groundwater temperature, $\Delta H_{v,TS}$ (cal/mol)	Henry's law constant at ave. groundwater temperature, H_{TS} (atm-m^3/mol)	Henry's law constant at ave. groundwater temperature, H'_{TS} (unitless)	Vapor viscosity at ave. soil temperature, μ_{TS} (g/cm-s)	Stratum A effective diffusion coefficient, D^{eff}_A (cm^2/s)	Stratum B effective diffusion coefficient, D^{eff}_B (cm^2/s)	Stratum C effective diffusion coefficient, D^{eff}_C (cm^2/s)	Capillary zone effective diffusion coefficient, D^{eff}_{cz} (cm^2/s)	Total overall effective diffusion coefficient, D^{eff}_T (cm^2/s)	Diffusion path length, L_d (cm)
4.13E+05	1.33E+07	1.24E-04	15	8,498	6.18E-03	2.62E-01	1.77E-04	1.28E-02	0.00E+00	0.00E+00	5.08E-04	5.11E-03	274.6

Convection path length, L_p (cm)	Source vapor conc., C_{source} ($\mu g/m^3$)	Crack radius, r_{crack} (cm)	Average vapor flow rate into bldg., Q_{soil} (cm^3/s)	Crack effective diffusion coefficient, D^{crack} (cm^2/s)	Area of crack, A_{crack} (cm^2)	Exponent of equivalent foundation Peclet number, $\exp(Pe^f)$ (unitless)	Infinite source indoor attenuation coefficient, α (unitless)	Infinite source bldg. conc., $C_{building}$ ($\mu g/m^3$)	Unit risk factor, URF $(\mu g/m^3)^{-1}$	Reference conc., RfC (mg/m^3)
15	3.27E+04	0.10	4.10E+01	1.28E-02	1.65E+03	2.96E+08	8.51E-05	2.78E+00	1.1E-04	4.0E-02

END

DATA ENTRY SHEET

GW-ADV Version 3.1; 02/04

Reset to Defaults

CALCULATE RISK-BASED GROUNDWATER CONCENTRATION (enter "X" in "YES" box)

YES

OR

CALCULATE INCREMENTAL RISKS FROM ACTUAL GROUNDWATER CONCENTRATION (enter "X" in "YES" box and initial groundwater conc. below)

YES: X

ENTER Chemical CAS No. (numbers only, no dashes)	ENTER Initial groundwater conc., C_W (µg/L)	Chemical
75354	1.25E+02	1,1-Dichloroethylene

MORE ↓

ENTER Average soil/ groundwater temperature, T_S (°C)	ENTER Depth below grade to bottom of enclosed space floor, L_F (cm)	ENTER Depth below grade to water table, L_{WT} (cm)	ENTER Thickness of soil stratum A, h_A (cm)	ENTER Thickness of soil stratum B, (Enter value or 0) h_B (cm)	ENTER Thickness of soil stratum C, (Enter value or 0) h_C (cm)	ENTER Soil stratum directly above water table, (Enter A, B, or C)	ENTER SCS soil type directly above water table	ENTER Soil stratum A SCS soil type (used to estimate soil vapor permeability)	OR	ENTER User-defined stratum A soil vapor permeability, k_v (cm^2)
			Totals must add up to value of L_{WT} (cell G28)							
14.8	15	289.6	289.6	0	0	A	S			1.00E-08

MORE ↓

ENTER Stratum A SCS soil type	ENTER Stratum A soil dry bulk density, ρ_b^A (g/cm^3)	ENTER Stratum A soil total porosity, n^A (unitless)	ENTER Stratum A soil water-filled porosity, θ_w^A (cm^3/cm^3)	ENTER Stratum B SCS soil type	ENTER Stratum B soil dry bulk density, ρ_b^B (g/cm^3)	ENTER Stratum B soil total porosity, n^B (unitless)	ENTER Stratum B soil water-filled porosity, θ_w^B (cm^3/cm^3)	ENTER Stratum C SCS soil type	ENTER Stratum C soil dry bulk density, ρ_b^C (g/cm^3)	ENTER Stratum C soil total porosity, n^C (unitless)	ENTER Stratum C soil water-filled porosity, θ_w^C (cm^3/cm^3)
Lookup Soil Parameters				Lookup Soil Parameters				Lookup Soil Parameters			
S	1.66	0.375	0.054		1.5	0.43			1.5	0.43	

MORE ↓

ENTER Enclosed space floor thickness, L_{crack} (cm)	ENTER Soil-bldg. pressure differential, ΔP ($g/cm-s^2$)	ENTER Enclosed space floor length, L_B (cm)	ENTER Enclosed space floor width, W_B (cm)	ENTER Enclosed space height, H_B (cm)	ENTER Floor-wall seam crack width, w (cm)	ENTER Indoor air exchange rate, ER (1/h)	ENTER Average vapor flow rate into bldg. OR Leave blank to calculate Q_{soil} (L/m)
10	40	6096	2133.6	457.2	0.1	0.25	

MORE ↓

ENTER Averaging time for carcinogens, AT_C (yrs)	ENTER Averaging time for noncarcinogens, AT_{NC} (yrs)	ENTER Exposure duration, ED (yrs)	ENTER Exposure frequency, EF (days/yr)	ENTER Target risk for carcinogens, TR (unitless)	ENTER Target hazard quotient for noncarcinogens, THQ (unitless)
				1.0E-06	1
				Used to calculate risk-based groundwater concentration.	

END

INTERMEDIATE CALCULATIONS SHEET

Exposure duration, τ (sec)	Source-building separation, L_T (cm)	Stratum A soil air-filled porosity, θ_a^A (cm^3/cm^3)	Stratum B soil air-filled porosity, θ_a^B (cm^3/cm^3)	Stratum C soil air-filled porosity, θ_a^C (cm^3/cm^3)	Stratum A effective total fluid saturation, S_{te} (cm^3/cm^3)	Stratum A soil intrinsic permeability, k_i (cm^2)	Stratum A soil relative air permeability, k_{rg} (cm^2)	Stratum A soil effective vapor permeability, k_v (cm^2)	Thickness of capillary zone, L_{cz} (cm)	Total porosity in capillary zone, n_{cz} (cm^3/cm^3)	Air-filled porosity in capillary zone, $\theta_{a,cz}$ (cm^3/cm^3)	Water-filled porosity in capillary zone, $\theta_{w,cz}$ (cm^3/cm^3)	Floor-wall seam perimeter, X_{crack} (cm)
0.00E+00	274.6	0.321	ERROR	ERROR	#N/A	#N/A	#N/A	1.00E-08	17.05	0.375	0.122	0.253	16,459

Bldg. ventilation rate, $Q_{building}$ (cm^3/s)	Area of enclosed space below grade, A_B (cm^2)	Crack-to-total area ratio, η (unitless)	Crack depth below grade, Z_{crack} (cm)	Enthalpy of vaporization at ave. groundwater temperature, $\Delta H_{v,TS}$ (cal/mol)	Henry's law constant at ave. groundwater temperature, H_{TS} (atm-m^3/mol)	Henry's law constant at ave. groundwater temperature, H'_{TS} (unitless)	Vapor viscosity at ave. soil temperature, μ_{TS} (g/cm-s)	Stratum A effective diffusion coefficient, D^{eff}_A (cm^2/s)	Stratum B effective diffusion coefficient, D^{eff}_B (cm^2/s)	Stratum C effective diffusion coefficient, D^{eff}_C (cm^2/s)	Capillary zone effective diffusion coefficient, D^{eff}_{cz} (cm^2/s)	Total overall effective diffusion coefficient, D^{eff}_T (cm^2/s)	Diffusion path length, L_d (cm)
4.13E+05	1.33E+07	1.24E-04	15	6,361	1.78E-02	7.53E-01	1.77E-04	1.45E-02	0.00E+00	0.00E+00	5.77E-04	5.81E-03	274.6

Convection path length, L_p (cm)	Source vapor conc., C_{source} ($\mu g/m^3$)	Crack radius, r_{crack} (cm)	Average vapor flow rate into bldg., Q_{soil} (cm^3/s)	Crack effective diffusion coefficient, D^{crack} (cm^2/s)	Area of crack, A_{crack} (cm^2)	Exponent of equivalent foundation Peclet number, exp(Pe^f) (unitless)	Infinite source indoor attenuation coefficient, α (unitless)	Infinite source bldg. conc., $C_{building}$ ($\mu g/m^3$)	Unit risk factor, URF $(\mu g/m^3)^{-1}$	Reference conc., RfC (mg/m^3)
15	9.42E+04	0.10	4.10E+01	1.45E-02	1.65E+03	2.73E+07	8.66E-05	8.16E+00	NA	2.0E-01

END

DATA ENTRY SHEET

GW-ADV Version 3.1; 02/04

Reset to Defaults

CALCULATE RISK-BASED GROUNDWATER CONCENTRATION (enter "X" in "YES" box)

YES

OR

CALCULATE INCREMENTAL RISKS FROM ACTUAL GROUNDWATER CONCENTRATION (enter "X" in "YES" box and initial groundwater conc. below)

YES: X

ENTER Chemical CAS No. (numbers only, no dashes)	ENTER Initial groundwater conc., C_W (µg/L)	Chemical
75014	1.25E+02	Vinyl chloride (chloroethene)

MORE ↓

ENTER Average soil/ groundwater temperature, T_S (°C)	ENTER Depth below grade to bottom of enclosed space floor, L_F (cm)	ENTER Depth below grade to water table, L_{WT} (cm)	ENTER Thickness of soil stratum A, h_A (cm)	ENTER Thickness of soil stratum B, (Enter value or 0) h_B (cm)	ENTER Thickness of soil stratum C, (Enter value or 0) h_C (cm)	ENTER Soil stratum directly above water table, (Enter A, B, or C)	ENTER SCS soil type directly above water table	ENTER Soil stratum A SCS soil type (used to estimate soil vapor permeability)	OR	ENTER User-defined stratum A soil vapor permeability, k_v (cm^2)
			Totals must add up to value of L_{WT} (cell G28)							
14.8	15	289.6	289.6	0	0	A	S			1.00E-08

MORE ↓

ENTER Stratum A SCS soil type	ENTER Stratum A soil dry bulk density, ρ_b^A (g/cm^3)	ENTER Stratum A soil total porosity, n^A (unitless)	ENTER Stratum A soil water-filled porosity, θ_w^A (cm^3/cm^3)	ENTER Stratum B SCS soil type	ENTER Stratum B soil dry bulk density, ρ_b^B (g/cm^3)	ENTER Stratum B soil total porosity, n^B (unitless)	ENTER Stratum B soil water-filled porosity, θ_w^B (cm^3/cm^3)	ENTER Stratum C SCS soil type	ENTER Stratum C soil dry bulk density, ρ_b^C (g/cm^3)	ENTER Stratum C soil total porosity, n^C (unitless)	ENTER Stratum C soil water-filled porosity, θ_w^C (cm^3/cm^3)
Lookup Soil Parameters				Lookup Soil Parameters				Lookup Soil Parameters			
S	1.66	0.375	0.054		1.5	0.43			1.5	0.43	

MORE ↓

ENTER Enclosed space floor thickness, L_{crack} (cm)	ENTER Soil-bldg. pressure differential, ΔP ($g/cm-s^2$)	ENTER Enclosed space floor length, L_B (cm)	ENTER Enclosed space floor width, W_B (cm)	ENTER Enclosed space height, H_B (cm)	ENTER Floor-wall seam crack width, w (cm)	ENTER Indoor air exchange rate, ER (1/h)	ENTER Average vapor flow rate into bldg. OR Leave blank to calculate Q_{soil} (L/m)
10	40	6096	2133.6	457.2	0.1	0.25	

MORE ↓

ENTER Averaging time for carcinogens, AT_C (yrs)	ENTER Averaging time for noncarcinogens, AT_{NC} (yrs)	ENTER Exposure duration, ED (yrs)	ENTER Exposure frequency, EF (days/yr)	ENTER Target risk for carcinogens, TR (unitless)	ENTER Target hazard quotient for noncarcinogens, THQ (unitless)
				1.0E-06	1

Used to calculate risk-based groundwater concentration.

END

INTERMEDIATE CALCULATIONS SHEET

Exposure duration, τ (sec)	Source-building separation, L_T (cm)	Stratum A soil air-filled porosity, θ_a^A (cm^3/cm^3)	Stratum B soil air-filled porosity, θ_a^B (cm^3/cm^3)	Stratum C soil air-filled porosity, θ_a^C (cm^3/cm^3)	Stratum A effective total fluid saturation, S_{te} (cm^3/cm^3)	Stratum A soil intrinsic permeability, k_i (cm^2)	Stratum A soil relative air permeability, k_{rg} (cm^2)	Stratum A soil effective vapor permeability, k_v (cm^2)	Thickness of capillary zone, L_{cz} (cm)	Total porosity in capillary zone, n_{cz} (cm^3/cm^3)	Air-filled porosity in capillary zone, $\theta_{a,cz}$ (cm^3/cm^3)	Water-filled porosity in capillary zone, $\theta_{w,cz}$ (cm^3/cm^3)	Floor-wall seam perimeter, X_{crack} (cm)
0.00E+00	274.6	0.321	ERROR	ERROR	#N/A	#N/A	#N/A	1.00E-08	17.05	0.375	0.122	0.253	16,459

Bldg. ventilation rate, $Q_{building}$ (cm^3/s)	Area of enclosed space below grade, A_B (cm^2)	Crack-to-total area ratio, η (unitless)	Crack depth below grade, Z_{crack} (cm)	Enthalpy of vaporization at ave. groundwater temperature, $\Delta H_{v,TS}$ (cal/mol)	Henry's law constant at ave. groundwater temperature, H_{TS} (atm-m^3/mol)	Henry's law constant at ave. groundwater temperature, H'_{TS} (unitless)	Vapor viscosity at ave. soil temperature, μ_{TS} (g/cm-s)	Stratum A effective diffusion coefficient, D^{eff}_A (cm^2/s)	Stratum B effective diffusion coefficient, D^{eff}_B (cm^2/s)	Stratum C effective diffusion coefficient, D^{eff}_C (cm^2/s)	Capillary zone effective diffusion coefficient, D^{eff}_{cz} (cm^2/s)	Total overall effective diffusion coefficient, D^{eff}_T (cm^2/s)	Diffusion path length, L_d (cm)
4.13E+05	1.33E+07	1.24E-04	15	4,946	2.00E-02	8.48E-01	1.77E-04	1.71E-02	0.00E+00	0.00E+00	6.80E-04	6.85E-03	274.6

Convection path length, L_p (cm)	Source vapor conc., C_{source} ($\mu g/m^3$)	Crack radius, r_{crack} (cm)	Average vapor flow rate into bldg., Q_{soil} (cm^3/s)	Crack effective diffusion coefficient, D^{crack} (cm^2/s)	Area of crack, A_{crack} (cm^2)	Exponent of equivalent foundation Peclet number, exp(Pe^f) (unitless)	Infinite source indoor attenuation coefficient, α (unitless)	Infinite source bldg. conc., $C_{building}$ ($\mu g/m^3$)	Unit risk factor, URF $(\mu g/m^3)^{-1}$	Reference conc., RfC (mg/m^3)
15	1.06E+05	0.10	4.10E+01	1.71E-02	1.65E+03	2.06E+06	8.83E-05	9.36E+00	8.8E-06	1.0E-01

END

Fox Avenue Site
Seattle, Washington

Remedial Investigation/ Feasibility Study

Appendix J
Conceptual Cost Estimates

FINAL

Main Source Area
Remedial Alternative 1—No Action/Monitored Natural Attenuation

Source Area Monitoring Tasks	Quantity	Unit	Unit Cost	Total Cost	Detail
Monitoring/Agency Reporting for Main Source Area Groundwater Wells	60	EA	$5,980	$359,000	Assumes 6 wells will be sampled within Main Source Area for up to 50 years (semiannual sampling for the first 10 years, annual sampling for the following 40 years); assumes monitoring report to be delivered to Ecology following each monitoring event.
TOTAL SOURCE AREA REMEDIATION COST				**$359,000**	No Action/Monitored Natural Attenuation alternative assumes no remediation activities will be completed within the Main Source Area.

MNA Assumptions:

1) Total MNA timeframe is assumed to be 50 years
2) Groundwater samples will be collected semiannually for analysis for the first 10 years, then annually for the following 40 years.
3) Groundwater monitoring results will be reported to Ecology following each monitoring event.
4) Sixty total monitoring events assumed over 50-year monitoring period.

Cost per monitoring event:

Assume 1 day to prep/collect groundwater samples (10 hrs @ $100/hr).
Analytical assumes total of 6 wells sampled within Main Source Area (6 samples at $330/sample).
Reporting is $3,000 to evaluate data and submit MNA report to Ecology per each event.

Total cost per monitoring event is $1,000+$1,980+$3,000 = $5,980

Main Source Area
Remedial Alternative 2—Soil and Groundwater Treatment by Soil Vapor Extraction and Enhanced Reductive Dechlorination

Source Area Remediation Tasks	Quantity	Unit	Unit Cost [1]	Total Cost [2]	Detail
SITE PREPARATION					
Site Preparation and Safety Upgrades	1	LS	$ 7,500	$ 7,500	Assumes only minor facility operations relocation will be needed during installation of the ERD treatment wells and for ongoing treatment. Assumes no relocation or abandonment of utilities will be necessary for implementation of ERD treatment in the Main Source Area.
Subtotal:				***$8,000***	
ERD REMEDIATION IN MAIN SOURCE AREA[3]					
Install ERD Injection Wells	1	LS	$ 137,600	$ 137,600	Assumes up to 10 injection wells to be installed to depth of 75 feet bgs; no recirculation system will be used because SVE system will assist with vapor extraction. Cost includes effort to develop wells, and wells are to be screened at multiple depth intervals to allow for injections to be completed throughout the well depth column.
Perform ERD Injections in Main Source Area (Loading Dock Area and Warehouse Area)	50	YR	$ 27,100	$ 1,355,000	Substrate injections to be performed semiannually for the first 10 years, and once per year for the following 40 years; recycled soluble sugar substrate is assumed to be used for this treatment activity.
Performance Monitoring for ERD Treatment	50	YR	$ 29,200	$ 1,460,000	Performance monitoring to be completed quarterly for the first 10 years of treatment and semiannually for the following 40 years. A total of 9 wells will be sampled for each event and up to 30 groundwater samples will undergo analytical testing.
Subtotal:				***$2,953,000***	
SVE REMEDIATION IN MAIN SOURCE AREA[4]					
Install New/Modify Existing SVE System	1	LS	$ 300,000	$ 300,000	Assumed cost; extrapolated from SVE system installation costs in Northwest Corner Plume Cleanup Action Area. Assumes some of the existing SVE system components can be re-used.
Operate and Maintain SVE System for Vadose Zone Vapor Extraction	10	YR	$ 50,000	$ 500,000	Assumed cost extrapolated from estimates provided for the Northwest Corner Plume Cleanup Action Area.
Subtotal:				***$800,000***	
SITE RESTORATION					
Restore Site Operations	1	LS	$ 10,000	$ 10,000	Assumed cost for restoration of facility operations following completion of ERD injections and performance monitoring; assumes that significant disruptions to facility operations will not occur because of implementation of ERD treatment.
Subtotal:				***$10,000***	
Source Area Remedation Cost				**$3,771,000**	
INDIRECT REMEDIATION COSTS					
Permitting/Design/Oversight[5]	1	LS	$ 1,131,300	$ 1,140,000	Assumes 30% of overall cost for SVE system design, project oversight, management, permits, work plans, confirmational sampling, reporting, regulatory interaction, etc., over the 50-year project period.
Subtotal:				***$1,140,000***	
Source Area Remedation Cost (Plus IDCs)				**$4,911,000**	
Remediation Contingency (30 Percent) [6]				**$1,480,000**	Appropriate contingency for feasibility-level planning; includes contingency for regulatory agency coordination and possible 5-year review.
TOTAL MAIN SOURCE AREA REMEDIATION COST [7,8]				**$6,391,000**	

Notes:

1 All cost values are estimates and should not be interpreted as final construction or project costs.
2 Subtotal and total values are rounded up to the nearest $1,000.
3 ERD cost estimates are based on current interim action costs and additional vendor information.
4 SVE system installation and operation cost estimates are based on experience from past site operations and current estimates for SVE operations in the Northwest Corner Plume Cleanup Action Area.
5 Anticipated indirect costs are assumed as 30% of the estimated source area remediation cost.
6 Contingency is appropriate for feasibility-level planning and will be reduced during the remedial design phase of the project.
7 Estimate does not include costs associated with ERD treatment in the Northwest Corner Plume or Downgradient Groundwater Plume Cleanup Action Areas, or long-term monitoring.
8 Estimate does not include costs for completion of Cleanup Action Plan, regulatory coordination, and potential legal fees.

Abbreviations:

bgs Below ground surface
EA Per each unit
ERD Enhanced Reductive Dechlorination
IDC Indirect Cost
LS Lump Sum
SVE Soil vapor extraction
YR Year

Main Source Area
Remedial Alternative 3—Shallow and Deep Soil and Groundwater Treatment by Thermal Remediation and Enhanced Reductive Dechlorination Polish

Source Area Remediation Tasks	Quantity	Unit	Unit Cost [1]	Total Cost [2]	Detail
SITE PREPARATION					
Mobilization/Demobilization	1	LS	$ 50,000	$ 50,000	Mobilization of all non-thermal treatment contractors and assumes effort for preparation of all required work plans.
Site Preparation and Safety Upgrades	1	LS	$ 15,000	$ 15,000	Assumes cost for necessary electrical upgrades within main plume cleanup area for safety during electrical voltage application.
Existing Utility Locate and Abandonment	1	LS	$ 20,000	$ 20,000	Assumes rerouting of the existing storm sewer will be required. Also includes cost for abandonment of existing wells that would be affected by thermal heating.
Subtotal:				***$85,000***	
FLAMMABLE SHED TEMPORARY RELOCATION					
Construct Temporary Flammable Storage Area	1	LS	$ 195,000	$ 195,000	Required for facility operations and safety reasons. Assumes temporary construction of new flammables storage shed infrastructure including fire walls, support columns, and roofing material.
Subtotal:				***$195,000***	
THERMAL SOURCE AREA TREATMENT[3]					
Shallow and Deep Soil and Groundwater Thermal Treatment in Main Source Area (Loading Dock Area and Warehouse Area)	1	LS	$ 6,000,000	$ 6,000,000	Cost assumes all thermal costs, including design, mob, drilling, site preparation and thermal system installation and full operational costs; assumes soil treatment to 10ppm (PCE+TCE). Assumes relocation of flammables shed, new power supply, waste disposal fees, confirmational sampling and electrical usage. Estimate obtained 2/8/2011 from TRS project proposal.
Subtotal:				***$6,000,000***	
ERD POLISH IN MAIN SOURCE AREA[4]					
Develop Existing Thermal Vapor Recovery Wells for ERD Injection Use in Main Source Area (Loading Dock Area and Warehouse Area)	1	LS	$ 19,500	$ 19,500	Assumes cost for development of existing wells used for thermal treatment; assumes no recirculation system will be required for ERD polish wells.
Perform Post-Thermal Treatment ERD Substrate Injections in Main Source Area (Loading Dock Area and Warehouse Area)	5	YR	$ 43,400	$ 217,000	Substrate injections to be performed semiannually for the first year, and once per year for the following 4 years. Recycled soluble sugar substrate will be used for all injection events and edible oil substrate (EOS) will be used during year 3 and year 5 injection events.
Performance Monitoring for ERD Polish/Treatment	5	YR	$ 23,400	$ 117,000	Performance monitoring to be completed quarterly for the first 2 years and semiannually for the following 3 years. A total of 5 wells will be sampled for each event and up 15 groundwater samples will undergo analytical testing.
Subtotal:				***$354,000***	
Source Area Remediation Cost				**$6,634,000**	
INDIRECT REMEDIATION COSTS[5]					
Permitting/Design/Oversight	1	LS	$ 663,400	$ 670,000	Assumes 10% of overall cost for project oversight, management, permits, work plans, and reporting, regulatory interaction, etc. over an approximate 5-year project period.
Subtotal:				***$670,000***	
Source Area Remediation Cost (Plus IDCs)				**$7,304,000**	
Remediation Contingency (30 Percent) [6]				**$2,200,000**	Appropriate contingency for feasibility-level planning; includes contingency for regulatory agency coordination and possible 5-year reviews.
TOTAL SOURCE AREA REMEDIATION COST[7,8]				**$9,504,000**	

Notes:

1 All cost values are estimates and should not be interpreted as final construction or project costs.
2 Subtotal and total values are rounded up to the nearest $1,000.
3 Thermal remediation costs are based on site-specific vendor quotes following vendor review of site data. Thermal remediation costs current as of September 2010.
4 ERD cost estimates are based on use of technology as a post-thermal polish in order to reduce VOC concentrations in groundwater and meet compliance goals.
5 Anticipated costs for permitting, engineering design, and construction oversight are assumed as 15% of the estimated source area remediation cost.
6 Contingency is appropriate for feasibility-level planning and will be reduced during the remedial design phase of the project.
7 Estimate does not include costs associated with post-source area remediation ERD treatment in the Downgradient Groundwater Plume Cleanup Action Area or long-term monitoring.
8 Estimate does not include costs for completion of Cleanup Action Plan, regulatory coordination and potential legal fees.

Abbreviations:

EA Per each unit
ERD Enhanced Reductive Dechlorination
IDC Indirect Cost
LS Lump Sum
PCE Tetrachloroethene
TCE Trichloroethene
VOC Volatile organic compound
YR Year

Main Source Area
Remedial Alternative 4—Containment and Hydrologic Controls

Source Area Remediation Tasks	Quantity	Unit	Unit Cost [1]	Total Cost [2]	Detail
SITE PREPARATION					
Mobilization/Demobilization	1	LS	$ 150,000	$ 150,000	Mobilization of all contractors and materials for installation of containment wall and hydrologic controls system.
Existing Utility Locate, Abandonment, and Relocation	1	LS	$ 200,000	$ 200,000	Assumes significant cost will be required to locate abandon/relocate utilities as part of installation of the containment wall.
Subtotal:				***$350,000***	
CONTAINMENT WALL INSTALLATION [3]					
Temporary Erosion and Sediment Control Implementation	1	LS	$ 50,000	$ 50,000	Assumed cost to manage small amount of spoils generated during slurry wall installation.
Install Low Permeability Slurry Wall	144,650	SF	$ 5	$ 723,250	Slurry wall to be installed surrounding the Main Source Area (Loading Dock Area and Warehouse Area) and Northwest Corner Plume for containment of contaminated soil and groundwater at the Site; assumes the wall is approximately 1,610 feet in length and approximately 90 feet in depth.
Monitor Containment Wall Performance	5	YR	$ 5,000	$ 25,000	Assumes monitoring will occur for a 5-year period; groundwater sampling immediately outside containment wall at approximately 5 locations. Annual performance monitoring to be conducted.
Slurry Wall Spoils Disposal	4,500	TON	$ 70	$ 315,000	Assume $20/ton for handling and transport and $50/ton for disposal at Subtitle D landfill facility; tonnage assumed as approximately 20% of total slurry wall volume.
Subtotal:				***$1,837,000***	
HYDROLOGIC CONTROLS [4]					
Install Hydrologic Treatment System in Main Source Area and Northwest Corner Plume Cleanup Action Area	1	LS	$ 1,000,000	$ 1,000,000	Assumed cost for construction of on-site treatment system (or investment in sanitary sewer treatment system) that will allow for treatment of VOC contamination in groundwater so that off-site discharge can be permitted; assumes treatment cost included in lump sum estimate, additional cost associated with discharge of treated water.
Maintain Treatment System	50	YR	$ 15,000	$ 750,000	Assumes maintenance of piping and other elements of the treatment system.
Contaminated Water Discharge	50	YR	$ 473,040	$ 23,652,000	Assumes discharge rate of 30 gallons per minute and $0.03/gallon for water to be discharged to sanitary sewer or direct to storm sewer; cost provided on annual basis assuming 50-year operational time frame; cost includes monitoring expenses to verify that treatment objectives have been met.
Subtotal:				***$25,402,000***	
Source Area Remediation Cost				**$27,589,000**	
INDIRECT REMEDIATION COSTS [5]					
Permitting/Design/Oversight	1	LS	$ 2,758,900	$ 2,760,000	Assumes 10% of overall cost for containment wall design, project oversight, management, permits, work plans, performance monitoring and reporting, regulatory interaction, etc., over the 50-year period.
Subtotal:				***$2,760,000***	
Source Area Remediation Cost (Plus IDCs)				**$30,349,000**	
Remediation Contingency (30 Percent) [6]				**$9,110,000**	Appropriate contingency for feasibility-level planning; includes contingency for regulatory agency coordination and possible 5-year reviews.
TOTAL SOURCE AREA REMEDIATION COST [7,8]				**$39,459,000**	

Notes:
1 All cost values are estimates and should not be interpreted as final construction or project costs.
2 Subtotal and total values are rounded up to the nearest $1,000.
3 Containment wall installation costs are based on site-specific vendor quotes and relevant project experience.
4 Hydrologic controls are based on assumed costs for construction of water treatment infrastructure and long-term extraction, treatment, and discharge.
5 Anticipated costs for permitting, engineering design, and construction oversight are assumed as 10% of the estimated source area remediation cost.
6 Contingency is appropriate for feasibility-level planning and will be reduced during the remedial design phase of the project.
7 Estimate does not include costs associated with post-source area remediation ERD treatment in the Downgradient Groundwater Plume Cleanup Action Area or long-term monitoring.
8 Estimate does not include costs for completion of Cleanup Action Plan, regulatory coordination, and potential legal fees.

Abbreviations:
IDC Indirect Cost
LS Lump Sum
SF Square Foot
YR Year

Downgradient Groundwater Plume Area
Remedial Alternative 1—Monitored Natural Attenuation

Source Area Monitoring Tasks	Quantity	Unit	Unit Cost	Total Cost	Detail
Monitoring/Agency Reporting for Downgradient Groundwater Plume Area Groundwater Wells	60	EA	$4,990	$300,000	Assumes 3 wells will be sampled within the Downgradient Groundwater Plume Area for up to 50 years (semiannual sampling for first 10 years, annual sampling for following 40 years); assumes monitoring report to be delivered to Ecology following each monitoring event.
TOTAL SOURCE AREA REMEDIATION COST				**$300,000**	No Action/Monitored Natural Attenuation alternative assumes no remediation activities will be completed within the Downgradient Groundwater Plume Area.

MNA Assumptions:

1) Total MNA timeframe is assumed to be 50 years.
2) Groundwater samples will be collected twice per year for analysis for the first 10 years, then annually for the following 40 years.
3) Groundwater monitoring results will be reported to Ecology following each monitoring event.
4) Sixty total monitoring events assumed over 50-year monitoring period.

Cost per monitoring event:

Assume 1 day to prep/collect groundwater samples (10 hrs @ $100/hr).
Analytical assumes total of 3 wells sampled at point of compliance near S. Myrtle Street Embayment (3 samples at $330/sample).
Reporting is $3,000 to evaluate data and submit MNA report to Ecology per each event.

Total cost per monitoring event is $1,000+$990+$3,000 = $4,990

Downgradient Groundwater Plume Area
Remedial Alternative 2—Groundwater Treatment by ERD (Throughout Plume)

Source Area Remediation Tasks	Quantity	Unit	Unit Cost [1]	Total Cost [2]	Detail
SITE PREPARATION					
Site Preparation and Property Access Agreements	1	LS	$ 10,000	$ 10,000	Assumes cost for time to obtain access agreements for properties where additional ERD injection wells will be installed.
Subtotal:				***$10,000***	
ERD REMEDIATION IN THE DOWNGRADIENT PLUME AREA[3]					
Install ERD Injection Wells	1	LS	$ 127,200	$ 128,000	Assumes a total of 11 additional ERD injection wells will be installed north and south of the existing Row 1 ERD transect line and on Seattle Boiler property. Wells are to be installed to an approximate depth of 75 feet bgs with multiple screen intervals. Installation cost also includes effort for well development.
Perform ERD Injections in the Downgradient Groundwater Plume Area	10	YR	$ 64,000	$ 640,000	Substrate injections to be performed twice per year for the first 5 years, and once per year for the following 5 years. Assumes use of recycled soluble sugar substrate for all injection events.
Performance Monitoring for ERD Treatment	10	YR	$ 45,300	$ 453,000	Assumes performance monitoring for ERD treatment will be completed semiannually for 10 years. Twelve wells to be sampled during each monitoring event and a total of up to 40 groundwater/seep samples are to be tested for site COCs per each event.
Subtotal:				***$1,221,000***	
Source Area Remedation Cost				**$1,231,000**	
INDIRECT REMEDIATION COSTS					
Permitting/Design/Oversight[4]	1	LS	$ 246,200	$ 250,000	Assumes 20% of overall cost for project oversight, management, permits, work plans, confirmational sampling, regulatory interaction, etc., over an approximate 10-year project period.
Subtotal:				***$250,000***	
Source Area Remedation Cost (Plus IDCs)				**$1,481,000**	
Remediation Contingency (30 Percent) [5]				**$450,000**	Appropriate contingency for feasibility-level planning; includes contingency for regulatory agency coordination and possible 5-year review.
TOTAL MAIN SOURCE AREA REMEDIATION COST [6,7]				**$1,931,000**	

Notes:

1 All cost values are estimates and should not be interpreted as final construction or project costs.
2 Subtotal and total values are rounded up to the nearest $1,000.
3 ERD cost estimates are based on current interim action costs and additional vendor information.
4 Anticipated costs for permitting, engineering design, and construction oversight are assumed as 20% of the estimated source area remediation cost.
5 Contingency is appropriate for feasibility-level planning and will be reduced during the remedial design phase of the project.
6 Estimate does not include costs associated with ERD treatment in the Northwest Corner Plume or Downgradient Groundwater Plume Cleanup Action Areas, or long-term monitoring.
7 Estimate does not include costs for completion of Cleanup Action Plan, regulatory coordination and potential legal fees.

Downgradient Groundwater Plume Area
Remedial Alternative 3—Treatment at Point of Discharge (Air Sparging)

Source Area Remediation Tasks	Quantity	Unit	Unit Cost [1]	Total Cost [2]	Detail
SITE PREPARATION					
Mobilization/Demobilization	1	LS	$ 50,000	$ 50,000	Mobilization of air sparging contractor and assumes effort for preparation of all required work plans.
Existing Utility Locate, Abandonment, and Relocation	1	LS	$ 35,000	$ 35,000	Assumes some utility coordination work will be required for air sparge system to be placed adjacent to the S. Myrtle Street Embayment.
Subtotal:				***$85,000***	
POINT OF COMPLIANCE TREATMENT [3]					
Install Air Sparging System Along S. Myrtle Street Embayment	1	LS	$ 100,000	$ 100,000	Assume 25 wells to be installed at S. Myrtle Street embayment to an approximate depth of 30 feet bgs.
Operate and Maintain Air Sparging System	50	YR	$ 18,000	$ 900,000	Assumes approximate cost of $1,800/month for maintenance time, equipment upkeep, miscellaneous repairs, etc.
Subtotal:				***$1,000,000***	
SITE RESTORATION					
Reconstruct S. Myrtle Street and Private Property Surface	1	LS	$ 50,000	$ 50,000	Assumes cost to resurface S. Myrtle Street and private property surfaces following completion of air sparging system installation.
Monitor Air Sparging Performance	60	EA	$ 4,990	$ 300,000	Assumes air sparge monitoring will be conducted for 50 years (over 60 events) prior to meeting cleanup criteria; performance monitoring to be conducted at 5 seep locations along S. Myrtle Street Embayment; cost assumes collection, analysis, and reporting of monitoring data.
Subtotal:				***$350,000***	
Source Area Remediation Cost				**$1,435,000**	
INDIRECT REMEDIATION COSTS [4]					
Permitting/Design/Oversight	1	LS	$ 287,000	$ 290,000	Assumes 20% of overall cost for air sparging system design, project oversight, management, permits, work plans, confirmational sampling, regulatory interaction, etc., over 50-year project period.
Subtotal:				***$290,000***	
Source Area Remediation Cost (Plus IDCs)				**$1,725,000**	
Remediation Contingency (30 Percent) [5]				**$520,000**	Appropriate contingency for feasibility-level planning; includes contingency for regulatory agency coordination and possible 5-year reviews.
TOTAL SOURCE AREA REMEDIATION COST [6,7]				**$2,245,000**	

Notes:

1 All cost values are estimates and should not be interpreted as final construction or project costs.
2 Subtotal and total values are rounded up to the nearest $1,000.
3 Air Sparging System construction costs are based on contractor quotes for work conducted at similar sites.
4 Anticipated costs for permitting, engineering design, and construction oversight are assumed as 20% of the estimated source area remediation cost.
5 Contingency is appropriate for feasibility-level planning and will be reduced during the remedial design phase of the project.
6 Estimate does not include costs associated with post-source area remediation ERD treatment in the Downgradient Groundwater Plume Cleanup Action Area or long-term monitoring.
7 Estimate does not include costs for completion of Cleanup Action Plan, regulatory coordination, and potential legal fees.

Abbreviations:

bgs Below ground surface
EA Per each unit
ERD Enhanced Reductive Dechlorination
IDC Indirect Cost
LS Lump Sum
PRB Permeable Reactive Barrier
VF Vertical Foot
YR Year

Downgradient Groundwater Plume Area
Remedial Alternative 4—Treatment at Point of Discharge (Permeable Reactive Barrier)

Source Area Remediation Tasks	Quantity	Unit	Unit Cost [1]	Total Cost [2]	Detail
SITE PREPARATION					
Mobilization/Demobilization	1	LS	$ 50,000	$ 50,000	Mobilization of PRB contractor and assumes effort for preparation of all required work plans.
Existing Utility Locate, Abandonment, and Relocation	1	LS	$ 35,000	$ 35,000	Assumes some utility coordination work will be required for PRB to be placed adjacent to the S. Myrtle Street Embayment.
Subtotal:				***$85,000***	
POINT OF COMPLIANCE TREATMENT [3]					
Temporary Erosion and Sediment Control	1	LS	$ 60,000	$ 60,000	Assumes extensive TESC will be required for management of excavated soils adjacent to the S. Myrtle Street Embayment.
Install Permeable Reactive Barrier along S. Myrtle Street Embayment	7,500	VF	$ 90	$ 675,000	Estimate based on similar project experience. Assumes PRB wall is approximately 250 feet in length, 15 feet in width, and 30 feet in depth. $90/VF is general cost to construct the wall, less purchase of amendment material, sand backfill, and disposal of excavated soil.
Purchase Amendment Material	700	TON	$ 650	$ 455,000	Amendment material purchase cost obtained from local contractor reference; conservative approach for amendment material for PRB will be required to meet compliance criteria.
Purchase Sand Backfill Material	3,600	TON	$ 20	$ 72,000	Assumes excavated soil will be removed for disposal, and amendment material will be mixed with clean sand for construction of the PRB wall.
Excavated Soil Disposal	4,300	TON	$ 70	$ 301,000	Assume $20/ton for handling and transport and $50/ton for disposal at Subtitle D landfill facility.
Subtotal:				***$1,563,000***	
SITE RESTORATION					
Reconstruct S. Myrtle Street and Private Property Surfaces	1	LS	$ 75,000	$ 75,000	Assumes cost to resurface S. Myrtle Street and private property surfaces following completion of construction of PRB.
Monitor PRB Performance	60	EA	$ 4,990	$ 300,000	Assumes PRB monitoring will be conducted for 50 years (over 60 events) prior to meeting cleanup criteria; performance monitoring to be conducted at 5 seep locations along S. Myrtle Street Embayment; cost assumes collection, analysis, and reporting of monitoring data.
Subtotal:				***$375,000***	
Source Area Remediation Cost				**$2,023,000**	
INDIRECT REMEDIATION COSTS [4]					
Permitting/Design/Oversight	1	LS	$ 404,600	$ 410,000	Assumes 20% of overall cost for PRB wall design, project oversight, management, permits, work plans, confirmational sampling, regulatory interaction, etc., over the 50-year project period.
Subtotal:				***$410,000***	
Source Area Remediation Cost (Plus IDCs)				**$2,433,000**	
Remediation Contingency (30 Percent) [5]				**$730,000**	Appropriate contingency for feasibility-level planning; includes contingency for regulatory agency coordination and possible 5-year reviews.
TOTAL SOURCE AREA REMEDIATION COST [6,7]				**$3,163,000**	

Notes:

1 All cost values are estimates and should not be interpreted as final construction or project costs.
2 Subtotal and total values are rounded up to the nearest $1,000.
3 PRB construction costs are based on contractor quotes for work conducted at similar sites.
4 Anticipated costs for permitting, engineering design, and construction oversight are assumed as 20% of the estimated source area remediation cost.
5 Contingency is appropriate for feasibility-level planning and will be reduced during the remedial design phase of the project.
6 Estimate does not include costs associated with post-source area remediation ERD treatment in the Downgradient Groundwater Plume Cleanup Action Area or long-term monitoring.
7 Estimate does not include costs for completion of Cleanup Action Plan, regulatory coordination and potential legal fees.

Abbreviations:

EA Per each unit
ERD Enhanced Reductive Dechlorination
IDC Indirect Cost
LS Lump Sum
PRB Permeable Reactive Barrier
TESC Temporary Erosion and Sediment Control
VF Vertical Foot
YR Year

Northwest Corner Plume Cleanup Action Area
Remedial Alternative 1—No Action/Monitored Natural Attenuation

Source Area Monitoring Tasks	Quantity	Unit	Unit Cost	Total Cost	Detail
Monitoring/Agency Reporting for Northwest Corner Plume Cleanup Action Area Groundwater Wells	60	EA	$5,320	$320,000	Assumes 4 wells will be sampled within the Northwest Corner Plume Cleanup Action Area for up to 50 years (semiannual sampling for the first 10 years, annual sampling for the following 40 years); assumes monitoring report to be delivered to Ecology following each monitoring event.
TOTAL SOURCE AREA REMEDIATION COST				**$320,000**	No Action/Monitored Natural Attenuation alternative assumes no remediation activities will be completed within the Northwest Corner Plume Cleanup Action Area.

MNA Assumptions:

1) Total MNA time frame is assumed to be 50 years.
2) Groundwater samples will be collected semiannually for analysis for the first 10 years, then annually for the following 40 years.
3) Groundwater monitoring results will be reported to Ecology following each monitoring event.
4) Sixty total monitoring events assumed over the 50-year monitoring period.

Cost per monitoring event:

Assume 1 day to prep/collect groundwater samples (10 hrs @ $100/hr).
Analytical assumes total of 4 wells sampled within Main Source Area (4 samples at $330/sample).
Reporting is $3,000 to evaluate data and submit MNA report to Ecology per each event.

Total cost per monitoring event is $1,000+$1,320+$3,000 = $5,320

Northwest Corner Plume Cleanup Action Area
Remedial Alternative 2—Soil and Groundwater Treatment by Enhanced Reductive Dechlorination

Source Area Remediation Tasks	Quantity	Unit	Unit Cost [1]	Total Cost [2]	Detail
SITE PREPARATION					
Site Preparation and Safety Upgrades	1	LS	$ 2,500	$ 2,500	Assumes very minor preparations needed in Northwest Corner Plume Cleanup Action Area for installation of additional ERD injection wells. No significant utility relocation or parking lot reconfiguration work is assumed. ERD injection wells in the Northwest Corner Plume Cleanup Action Area assumed to not result in operational impacts to the Site.
Subtotal:				***$3,000***	
ERD REMEDIATION IN NORTHWEST CORNER PLUME CLEANUP ACTION AREA [3]					
Install ERD Injection Wells	1	LS	$ 55,100	$ 55,100	Assumes installation of 6 new ERD injection wells, plus use of 3 existing wells; assumes all new wells will be installed to an approximate depth of 15 feet bgs with a 5-foot well screen section. Cost includes effort to develop wells.
Perform ERD Injections in Northwest Corner Plume Cleanup Action Area	10	YR	$ 16,200	$ 162,000	Assumes substrate injections will be performed 3 times per year for the first 3 years, and 2 times per year for the following 7 years. Assumes recycled soluble sugar substrate will be used as injection material for all events.
Performance Monitoring for ERD Treatment	10	YR	$ 18,400	$ 184,000	Performance monitoring will be completed quarterly for the first 4 years of treatment and semiannually for the following 6 years. Assumes 4 wells will be sampled for each monitoring event and a total of 15 groundwater samples per event will undergo analytical testing.
Subtotal:				***$402,000***	
SITE RESTORATION					
Restore Site Operations	1	LS	$ 2,500	$ 2,500	Assumed cost for minor restoration activities that may be required in the Northwest Corner Plume Cleanup Action Area following completion of ERD injections and attainment of compliance criteria.
Subtotal:				***$3,000***	
Source Area Remediation Cost				**$408,000**	
INDIRECT REMEDIATION COSTS					
Permitting/Design/Oversight [4]	1	LS	$ 122,400	$ 130,000	Assumes 30% of overall cost for project oversight, management, permits, work plans, confirmational sampling, reporting, regulatory interaction, etc., over the 10-year project period.
Subtotal:				***$130,000***	
Source Area Remediation Cost (Plus IDCs)				**$538,000**	
Remediation Contingency (30 Percent) [5]				**$170,000**	Appropriate contingency for feasibility-level planning; includes contingency for regulatory agency coordination and possible 5-year review.
TOTAL MAIN SOURCE AREA REMEDIATION COST [6,7]				**$708,000**	

Notes:

1 All cost values are estimates and should not be interpreted as final construction or project costs.
2 Subtotal and total values are rounded up to the nearest $1,000.
3 ERD cost estimates are based on current interim action costs and additional vendor information.
4 Anticipated costs for permitting, engineering design, and construction oversight are assumed as 30% of the estimated source area remediation cost.
5 Contingency is appropriate for feasibility-level planning and will be reduced during the remedial design phase of the project.
6 Estimate does not include costs associated with ERD treatment in the Northwest Corner Plume or Downgradient Groundwater Plume Cleanup Action Areas, or long-term monitoring.
7 Estimate does not include costs for completion of Cleanup Action Plan, regulatory coordination, and potential legal fees.

Abbreviations:

EA Per each unit
ERD Enhanced Reductive Dechlorination
IDC Indirect Cost
LS Lump Sum
YR Year

Northwest Corner Plume Cleanup Action Area
Remedial Alternative 3—Permeable Reactive Barrier

Source Area Remediation Tasks	Quantity	Unit	Unit Cost [1]	Total Cost [2]	Detail
SITE PREPARATION					
Mobilization/Demobilization	1	LS	$ 50,000	$ 50,000	Mobilization of PRB contractor and assumes effort for preparation of all required work plans.
Existing Utility Locate, Abandonment, and Relocation	1	LS	$ 50,000	$ 50,000	Assumes rerouting of the existing Fox Avenue utilities will be required.
				$100,000	
PERMEABLE REACTIVE BARRIER [3]					
Temporary Erosion and Sediment Control	1	LS	$ 60,000	$ 60,000	Assumes extensive TESC will be required for management of excavated soils in the Fox Avenue right-of-way.
Install Permeable Reactive Barrier along Fox Avenue	5,400	VF	$ 90	$ 486,000	Estimate based on similar project experience. Assumes PRB wall is approximately 180 feet in length, 15 feet in width, and 30 feet in depth. $90/VF is general cost to construct the wall, less purchase of amendment material, sand backfill, and disposal of excavated soil.
Purchase Amendment Material	500	TON	$ 650	$ 325,000	Amendment material purchase cost obtained from local contractor reference; conservative approach for amendment material for PRB will be required to meet compliance criteria.
Purchase Sand Backfill Material	2,600	TON	$ 20	$ 52,000	Assumes excavated soil will be removed for disposal, and amendment material will be mixed with clean sand for construction of the PRB wall.
Excavated Soil Disposal	3,100	TON	$ 70	$ 217,000	Assume $20/ton for handling and transport and $50/ton for disposal at Subtitle D landfill facility; tonnage calculated as difference between excavation amount and required tonnage for amendment material.
				$1,140,000	
SITE RESTORATION					
Reconstruct Fox Avenue Pavement Section	1	LS	$ 50,000	$ 50,000	Assumes cost to resurface Fox Avenue following completion of construction of PRB; assumes no disturbance to active rail line will be incurred.
Performance Monitoring Well Installation and Development	1	LS	$ 10,000	$ 10,000	Drilling and well development cost for 3 performance monitoring wells to be installed downgradient of the PRB.
Monitor PRB Performance	60	EA	$ 4,990	$ 300,000	Assumes PRB monitoring will be conducted for 50 years (over 60 events) prior to meeting cleanup criteria; cost assumes collection, analysis, and reporting of monitoring data.
				$360,000	
Source Area Remediation Cost				**$1,600,000**	
INDIRECT REMEDIATION COSTS [4]					
Permitting/Design/Oversight	1	LS	$ 240,000	$ 240,000	Assumes 15% of overall cost for project oversight, management, permits, work plans, confirmational sampling, regulatory interaction, etc., over an approximate 50-year project period.
				$240,000	
Source Area Remediation Cost (Plus IDCs)				**$1,840,000**	
Remediation Contingency (30 Percent) [5]				**$560,000**	Appropriate contingency for feasibility-level planning; includes contingency for regulatory agency coordination and possible 5-year reviews.
TOTAL SOURCE AREA REMEDIATION COST [6,7]				**$2,400,000**	

Notes:

1 All cost values are estimates and should not be interpreted as final construction or project costs.
2 Subtotal and total values are rounded up to the nearest $1,000.
3 PRB construction costs are based on contractor quotes for work conducted at similar sites.
4 Anticipated costs for permitting, engineering design, and construction oversight are assumed as 15% of the estimated source area remediation cost.
5 Contingency is appropriate for feasibility-level planning and will be reduced during the remedial design phase of the project.
6 Estimate does not include costs associated with post-source area remediation ERD treatment in the Downgradient Groundwater Cleanup Action Area or long-term monitoring.
7 Estimate does not include costs for completion of Cleanup Action Plan, regulatory coordination, and potential legal fees.

Abbreviations:

EA Per each unit
ERD Enhanced Reductive Dechlorination
IDC Indirect Cost
LS Lump Sum
PRB Permeable Reactive Barrier
TESC Temporary Erosion and Sediment Control
VF Vertical Foot

Northwest Corner Plume Cleanup Action Area
Remedial Alternative 4—Soil Vapor Extraction and Enhanced Rreductive Dechlorination

Source Area Remediation Tasks	Quantity	Unit	Unit Cost [1]	Total Cost [2]	Detail
SITE PREPARATION					
Mobilization/Demobilization	1	LS	$ 30,000	$ 30,000	Assumed contractor mobilization cost for installation of SVE system.
Parking Lot Reconfiguration to Accommodate SVE Equipment	1	LS	$ 25,000	$ 25,000	Assumes SVE extraction and treatment equipment will be placed adjacent to the existing warehouse/office building in the Northwest Corner Plume Action Area parking lot.
				$55,000	
SVE REMEDIATION IN NORTHWEST CORNER PLUME CLEANUP ACTION AREA [3]					
Install New SVE System	1	LS	$ 70,000	$ 70,000	Assumes 4 SVE wells will be installed to depth of approximately 15 feet bgs, with well screens from 5 feet to 15 feet bgs; installation assumed as approximately 60% of total SVE and ERD system installation costs.
Operate and Maintain SVE System for Vadose Zone Vapor Extraction	6	MO	$ 8,250	$ 49,500	Assumes operational and maintenance cost for the SVE system will be approximately 60% of total SVE and ERD operational cost. Performance monitoring costs to be included in ERD Performance Monitoring effort.
				$169,000	
ERD REMEDIATION [4]					
Install ERD Injection Wells	1	LS	$ 50,000	$ 50,000	Assumes installation of 6 new ERD injection wells within the Northwest Corner Plume Cleanup Action Area. Injection wells will be installed to an approximate depth of 15 feet bgs and will contain a 5-foot well screen interval. Installation costs are assumed to be approximately 40% of total SVE and ERD system installation total cost.
Perform ERD Injections in Northwest Corner Plume Cleanup Action Area	5	YR	$ 11,000	$ 55,000	Substrate injection to be performed for a period of 5 years following completion of SVE activities. Substrate injections to be performed semiannually for the first year and once per year for the following 4 years. Assumes recycled soluble sugar substrate will be used.
Performance Monitoring for SVE & ERD Treatment	5	YR	$ 24,200	$ 121,000	Assumes quarterly performance monitoring for the first 2 years and semiannual monitoring for the following 3 years. Assumes cost for soil sample collection/analysis for SVE performance monitoring. Four wells to be sampled per event and up to 15 groundwater samples will be submitted for analytical testing.
				$226,000	
Source Area Remediation Cost				**$450,000**	
INDIRECT REMEDIATION COSTS [5]					
Permitting/Design/Oversight	1	LS	$ 135,000	$ 140,000	Assumes 30% of overall cost for project oversight, management, permits, work plans, reporting, regulatory interaction, etc., over an approximate 5-year period.
				$140,000	
Source Area Remediation Cost (Plus IDCs)				**$590,000**	
Remediation Contingency (30 Percent) [6]				**$180,000**	Appropriate contingency for feasibility-level planning; includes contingency for regulatory agency coordination and possible 5-year reviews.
TOTAL SOURCE AREA REMEDIATION COST [7,8]				**$770,000**	

Notes:

1 All cost values are estimates and should not be interpreted as final construction or project costs.
2 Subtotal and total values are rounded up to the nearest $1,000.
3 SVE system installation and operation cost estimates are based on experience from past site operations and current estimates for SVE operations in the Northwest Corner Plume Cleanup Action Area.
4 ERD cost estimates are based on current interim action costs and additional vendor information.
5 Anticipated costs for permitting, engineering design, and construction oversight are assumed as 30% of the estimated source area remediation cost.
6 Contingency is appropriate for feasibility-level planning and will be reduced during the remedial design phase of the project.
7 Estimate does not include costs associated with post-source area remediation ERD treatment in the Downgradient Groundwater Cleanup Action Area or long-term monitoring.
8 Estimate does not include costs for completion of Cleanup Action Plan, regulatory coordination, and potential legal fees.

Abbreviations:

bgs Below ground surface
EA Per each unit
ERD Enhanced Reductive Dechlorination
IDC Indirect Cost
LS Lump Sum
MO Per each month
SF Square Foot
SVE Soil vapor extraction
YR Year

Fox Avenue Site Preferred Remedial Alternative

Source Area Remediation Tasks	Quantity	Unit	Unit Cost [1]	Total Cost [2]	Detail
SITE PREPARATION					
Site Preparation and Safety Upgrades	1	LS	$ 15,000	$ 15,000	Assumes cost for necessary electrical upgrades within main plume cleanup area for safety during electrical voltage application. Assumes contractor mobilization costs are included in remediation line items below.
Existing Utility Locate and Abandonment	1	LS	$ 20,000	$ 20,000	Assumes rerouting of the existing storm sewer will be required. Also includes cost for abandonment of existing wells that would be affected by thermal heating.
Subtotal:				***$35,000***	
FLAMMABLE SHED TEMPORARY RELOCATION					
Construct Temporary Flammable Storage Area	1	LS	$ 195,000	$ 195,000	Required for facility operations and safety reasons. Assumes temporary construction of new flammables storage shed infrastructure including fire walls, support columns, and roofing material.
Subtotal:				***$195,000***	
SVE REMEDIATION IN NORTHWEST CORNER PLUME CLEANUP ACTION AREA [3]					
Install New SVE System	1	LS	$ 70,000	$ 70,000	Assumes 4 SVE wells will be installed to depth of approximately 15 feet bgs, with well screens from 5 feet to 15 feet bgs; installation assumed as approximately 60% of total SVE and ERD system installation costs.
Operate and Maintain SVE System for Vadose Zone Vapor Extraction	6	MO	$ 8,250	$ 49,500	Assumes operational and maintenance cost for the SVE system will be approximately 60% of total SVE and ERD operational cost. Performance monitoring costs to be included in ERD Performance Monitoring effort.
Subtotal:				***$169,000***	
ERD REMEDIATION IN NORTHWEST CORNER PLUME CLEANUP ACTION AREA [4]					
Install ERD Injection Wells	1	LS	$ 50,000	$ 50,000	Assumes installation of 6 new ERD injection wells within the Northwest Corner Plume Cleanup Action Area. Injection wells will be installed to an approximate depth of 15 feet bgs and will contain a 5-foot well screen interval. Installation costs are assumed to be approximately 40% of the total SVE and ERD system installation total cost.
Perform ERD Injections in Northwest Corner Plume Cleanup Action Area	5	YR	$ 11,000	$ 55,000	Substrate injection to be performed for a period of 5 years following completion of SVE activities. Substrate injections to be performed semiannually for the first year and once per year for the following 4 years. Assumes recycled sugar-soluble substrate will be used.
Performance Monitoring for SVE & ERD Treatment	5	YR	$ 24,200	$ 121,000	Assumes quarterly performance monitoring for the first 2 years and semiannual monitoring for the following 3 years. Assumes cost for soil sample collection/analysis for SVE performance monitoring. Four wells to be sampled per event and up to 15 groundwater samples will be submitted for analytical testing.
Subtotal:				***$226,000***	
THERMAL TREATMENT IN MAIN SOURCE AREA [3]					
Shallow and Deep Soil and Groundwater Thermal Treatment in Main Source Area (Loading Dock Area and Warehouse Area)	1	LS	$ 6,000,000	$ 6,000,000	Cost assumes all thermal costs, including design, mob, drilling, site preparation and thermal system installation and full operational costs; assumes soil treatment to 10ppm (PCE+TCE). Assumes relocation of flammables shed, new power supply, waste disposal fees, confirmational sampling and electrical usage. Estimate obtained 2/8/2011 from TRS project proposal.
Subtotal:				***$6,000,000***	
ERD POLISH IN MAIN SOURCE AREA [4]					
Develop Existing Thermal Vapor Recovery Wells for ERD Injection Use in Main Source Area (Loading Dock Area and Warehouse Area)	1	LS	$ 19,500	$ 19,500	Assumes cost for development of existing wells used for thermal treatment; assumes no recirculation system will be required for ERD polish wells.
Perform Post-Thermal Treatment ERD Substrate Injections in Main Source Area (Loading Dock Area and Warehouse Area)	5	YR	$ 43,400	$ 217,000	Substrate injections to be performed semiannually for the first year, and once per year for the following 4 years. Recycled sugar-soluble substrate will be used for all injection events and Edible Oil Substrate (EOS) will be used during year 3 and year 5 injection events.
Performance Monitoring for ERD Polish/Treatment	5	YR	$ 23,400	$ 117,000	Performance monitoring to be completed quarterly for the first 2 years and semiannually for the following 3 years. A total of 5 wells will be sampled for each event and up 15 groundwater samples will undergo analytical testing.
Subtotal:				***$354,000***	
ERD REMEDIATION IN THE DOWNGRADIENT GROUNDWATER PLUME AREA [4]					
Install ERD Injection Wells	1	LS	$ 127,200	$ 128,000	Assumes a total of 11 additional ERD injection wells will be installed north and south of the existing Row 1 ERD transect line and on Seattle Boiler property. Wells are to be installed to an approximate depth of 75 feet bgs with multiple screen intervals. Installation cost also includes effort for well development.
Perform ERD Injections in the Downgradient Plume Area	10	YR	$ 64,000	$ 640,000	Substrate injections to be performed semiannually for the first 5 years, and once per year for the following 5 years. Assumes use of recycled soluble sugar substrate for all injection events.
Performance Monitoring for ERD Treatment	10	YR	$ 45,300	$ 453,000	Assumes performance monitoring for ERD treatment will be completed semiannually for 10 years. Twelve wells to be sampled during each monitoring event and a total of up to 40 groundwater/seep samples are to be tested for site COCs per each event.
Subtotal:				***$1,221,000***	
MONITORED NATURAL ATTENUATION IN THE DOWNGRADIENT GROUNDWATER PLUME AREA					
Monitoring/Agency Reporting for Downgradient Plume Cleanup Action Area Groundwater Wells	60	EA	$4,990	$300,000	Assumes 3 wells will be sampled within the Downgradient Groundwater Plume Area for up to 50 years (semiannual sampling for the first 10 years, annual sampling for the following 40 years); assumes monitoring report to be delivered to Ecology following each monitoring event.
Subtotal:				***$300,000***	
Fox Avenue Site Remediation Cost				**$8,500,000**	
INDIRECT REMEDIATION COSTS [5]					
Permitting/Design/Oversight	1	LS	$ 850,000	$ 850,000	Assumes 10% of overall cost for project oversight, management, permits, work plans, confirmational sampling, and reporting, regulatory interaction, etc., over an approximate 10 to 50-year project period.
Subtotal:				***$850,000***	
Fox Avenue Site Remediation Cost (Plus IDCs)				**$9,350,000**	
Remediation Contingency (30 Percent) [6]				**$2,810,000**	Appropriate contingency for feasibility-level planning; includes contingency for regulatory agency coordination and possible 5-year reviews.
TOTAL FOX AVENUE SITE REMEDIATION COST [7,8]				**$12,160,000**	

Notes:

1 All cost values are estimates and should not be interpreted as final construction or project costs.
2 Subtotal and total values are rounded up to the nearest $1,000.
3 Thermal remediation costs are based on site-specific vendor quotes following vendor review of site data. Thermal remediation costs current as of September 2010.
4 ERD cost estimates are based on use of technology as a post-thermal polish in order to reduce VOC concentrations in groundwater and meet compliance goals.
5 Anticipated costs for permitting, engineering design, and construction oversight are assumed as 15% of the estimated source area remediation cost.
6 Contingency is appropriate for feasibility-level planning and will be reduced during the remedial design phase of the project.
7 Estimate does not include costs associated with post-source area remediation ERD treatment in the Downgradient Groundwater Plume Cleanup Action Area or long-term monitoring.
8 Estimate does not include costs for completion of Cleanup Action Plan, regulatory coordination, and potential legal fees.

Abbreviations:

COC Chemical of concern
EA Per each unit
ERD Enhanced Reductive Dechlorination
IDC Indirect Cost
LS Lump Sum
PCE Tetrachloroethene
SVE Soil vapor extraction
TCE Trichloroethene
YR Year