

RACER Trust

RCRA Corrective Action

Data Report

Indianapolis Metal Center

USEPA ID IND079583720 and IND006044333

March 15, 2012



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Acronyms	1
1. Introduction	2
1.1 Investigations	2
1.1.1 Summary of Round I, Soil and Groundwater Investigation, May 2011	3
1.1.2 Summary of Round II, Soil and Groundwater Investigation, September 2011	3
1.1.3 Summary of Round III, Soil and Groundwater Investigation, November/December 2011	4
1.2 References	4

Tables

Table 1	Areas of Interest
Table 2	VOC Concentrations Soil
Table 3	VOC Concentrations Groundwater
Table 4	SVOC Concentrations Soil
Table 5	SVOC Concentrations Groundwater
Table 6	PCB Concentrations in Soil
Table 7	Metals Concentrations in Soil
Table 8	Metals Concentrations in Groundwater

Figures

Figure 1	Aerial Photo
Figure 2	Soil Boring and Monitoring Well Locations
Figure 3	Cross-Section Reference
Figure 4	Cross-Section A-A'
Figure 5	Cross-Section B-B'
Figure 6	Groundwater Potentiometric Surface Map – June 2, 2011 – Gauging Event
Figure 7	Groundwater Potentiometric Surface Map – July 15, 2011 – Gauging Event

Figure 8	Groundwater Potentiometric Surface Map – September 12, 2011 – Gauging Event
Figure 9	Groundwater Potentiometric Surface Map – November 30, 2011 – Gauging Event
Figure 10	AOI 3 Soil Analytical Results For Select VOCs
Figure 11	Site Wide Soil Analytical Results For Select VOCs
Figure 12	Site Wide Groundwater Analytical Results for Select VOCs

Appendices

A	Soil Boring and Monitoring Wells Logs
B	Historical RFI Sampling Matrix Tables (Phase I and Phase II)
C	Soil Grain Analysis and Soil Moisture Report

Acronyms

AOI	Areas of Interest
GMC	General Motors Corporation
ID	Identification
IMC	Indianapolis Metal Center
LNAPL	Light Non-Aqueous Phase Liquid
MLC	Motors Liquidation Company
RACER	Revitalizing Auto Communities Environmental Response
RCRA	Resource Conservation and Recovery Act
RFI	RCRA Facility Investigation
VOC	Volatile Organic Compound

1. Introduction

This Data Report has been prepared on behalf of the Revitalizing Auto Communities Environmental Response (RACER) Trust for the Indianapolis Stamping Facility (Site), formerly known as General Motors Corporation (GMC) Truck and Bus, as part of the Resource Conservation and Recovery Act (RCRA) Corrective Action process.

As a result of GMC's bankruptcy, some of the operating assets of GMC were sold on July 10, 2009 to a newly formed company, known as General Motors LLC. Existing, non-continuing assets (including this Site) remained the property of "old" GMC, which, on the same date, changed its name to Motors Liquidation Company (MLC), in its capacity as a debtor-in-possession in the bankruptcy case. MLC's plan of reorganization was approved by the Bankruptcy Court in March 2011. On March 31, 2011, RACER Trust was established and the ownership of the Indianapolis facility was transferred from MLC to RACER Trust. The RACER Trust is funded to perform remediation of the site per the terms of the Settlement Agreement dated October 20, 2011. Therefore, RACER Trust has the responsibility for performing environmental investigation and remediation in accordance with the Settlement Agreement.

The Site address is 340 White River Parkway South Drive, Indianapolis, Indiana (Figure 1). The USEPA identification (ID) for the Facility is IND079583720. The USEPA ID for the Former Ulrich Chemical Facility (Area of Interest [AOI] 3) is IND006044333 and is inactive. The Former Ulrich Chemical Facility property was purchased by GMC in 1982.

2. Investigations

This report presents data collected during the following investigations performed at the Site:

- Round I, Soil and Groundwater Investigation, May 2011;
- Round II, Soil and Groundwater Investigation, September 2011; and
- Round III, Soil and Groundwater Investigation, November/December 2011.

The location of the soil borings and monitoring wells are illustrated on Figure 2. A summary of the AOIs is presented in Table 1. Boring logs and monitoring well construction logs are provided in Appendix A. The soil borings and monitoring wells installed and sampled in during these investigations were completed accordance with

the RCRA Facility Investigation (RFI) Work Plan (ARCADIS, 2011) and proposed matrix tables (provided in Appendix B).

Geologic cross-sections were generated based on the data collected during the first two rounds of investigation and are presented as Figures 3 through 5. A summary of the soil analytical results is provided in Tables 2, 4, 6 and 7; and Figures 10 and 11. A summary of the groundwater analytical results is provided in Tables 3, 5 and 8; and Figure 12.

2.1 Summary of Round I, Soil and Groundwater Investigation, May 2011

The scope of the Round I investigation involved the advancement of 21 soil borings at AOIs 2, 3, 5, 6, 7, 9, 10, 11, 15 and 17 to characterize soil quality within these AOIs and the advancement of ten soil borings in areas where there were no industrial operations to characterize background soil quality. It should be noted that the soil boring to be advanced at AOI 4 was not completed during Round 1. Seven monitoring wells were installed at AOIs 2, 3, 7, 8 and 17 to evaluate groundwater quality in the vicinity of the AOIs and five monitoring wells were installed at perimeter locations to evaluate site-wide groundwater conditions. Finally, four borehole water samples were collected at AOI 3 to qualitatively evaluate groundwater quality in the area.

The monitoring well network was gauged during two separate events as part of the Round I Investigation. Groundwater potentiometric surface maps for the June 2 and July 15, 2011, groundwater gauging events are provided as Figures 6 and 7, respectively. The July 15, 2011 gauging event also confirmed that no liquid non-aqueous phase liquid (LNAPL) was observed at the Site.

2.2 Summary of Round II, Soil and Groundwater Investigation, September 2011

The scope of the Round II investigation involved the advancement of 15 soil borings at AOIs 1, 3, 4 and 11 to characterize soil quality. It should be noted that the soil boring to be advanced at AOI 4 during Round 1 was completed during Round II. Three additional soil borings were advanced at AOI 3 to delineate impacted soil. Two monitoring wells were installed at AOI 8 to assist with groundwater flow dynamics beneath the building and determine if LNAPL is present beneath the building. Four additional monitoring wells were installed at perimeter locations to delineate volatile organic compound (VOC) impacts.

The monitoring well network was gauged on September 12, 2011. The groundwater potentiometric surface map for the event is provided as Figure 8. The September 12, 2011 gauging event also confirmed that no LNAPL was observed at the Site.

2.3 Summary of Round III, Soil and Groundwater Investigation, November/December 2011

The scope of the Round III investigation involved the installation of two monitoring wells at AOI-3 and one monitoring well at a perimeter location to delineate VOC impacts. Additionally, three soil samples were collected from the saturated zone of the three monitoring wells to for grain size and soil moisture analysis (Appendix C).

The monitoring well network was gauged on November 30, 2011. The groundwater potentiometric surface map for the event is provided as Figure 9. The November 30, 2011 gauging event also confirmed that no LNAPL was observed at the Site.

3. References

ARCADIS, U.S. 2011. RCRA Facility Investigation Work Plan. April 29, 2011.

ARCADIS

Table 1. Areas of Interest, RACER Trust, Indianapolis, Indiana

AOI	AOI Name	Description	PA/VSID ID	Location	Nearest Column	Status
1	Former Building 31 Area/Distribution Center	Former Building 31 Area/Distribution Center	Not identified	NW of main Plant	NA	Active
2	Former Plant 3 UST	Former Plant 3 UST	Not identified	NW of main Plant	NA	Out of Operation
3	Former Plant 5	Former Plant No. 5 Underground Storage Tanks	AOC A ^A	NW of main Plant	NA	Out of Operation
		Former Hazardous Waste Drum Storage Area	SWMU 1 ^B	NW of main Plant		
		Former Neutralization Tank	SWMU 2 ^B	NW of main Plant		
		Former Fuel USTs Area	AOC 1 ^B	NW of main Plant		
		Former TCA UST Area	AOC 2 ^B	NW of main Plant		
4	West Pump House	West Pump House Spill Area and UST #16	AOC D	West of main Plant	NA	Out of Operation
5	Former Meuhlstien Plant	Former Meuhlstien Plant	Not identified	NW of main Plant	NA	Out of Operation
6	Pipe Fitting Storage Building	Pipe Fitting Storage Building Spill Area	AOC B	West of main Plant	NA	Active
7	Scrap Metal Storage Pit	Scrap Metal Storage Pit	SWMU 19	West of main Plant	NA	Active
8	Basement	Free Oil Treatment System	SWMU 6	Basement sumps of main Plant	P73	Active
		Free and Soluble Oil Storage Tanks	SWMU 8	West side of Plant in basement	J78	Active
		Mobile Waste Oil Collection Unit	SWMU 9	West side of Plant in basement	J78	Active
		Basement Floor Sumps	SWMU 24	Multiple locations in Basement	J79-J1; Z79-Z1	Active
		Safety-Kleen Solvent Units	SWMU 2	Main Plant	NA	Active
9	West Gate Spill Area	West Gate Spill Area	AOC C	SW of main Plant	NA	Out of Operation
10	USTs 4 and 5	USTs #4 and #5	Not identified	South of main Plant	NA	Out of Operation
11	Empty Drum and Waste Treated Pine Block Storage Areas	Empty Drum Storage Areas	SWMU 17	NW of main Plant	NA	Active
		Waste Treated Pine Floor Block Storage Area	SWMU 18	NW of main Plant	NA	
12	Solvent Units	Safety-Kleen Solvent Units	SWMU 2	Main Plant	NA	Active
13	Northwest Plant Storage Tank Area	Former CPI Waste Oil UST	SWMU 4	NW corner main Plant	B67, C67	Out of Operation
		Former Rubbish Dock Waste Oil Tank	SWMU 7	NW corner main Plant	A60	Out of Operation
		Floor Cleaning Water Holding Tank	SWMU 11	NW corner main Plant	C63	Out of Operation
14	Baler Building	Baler Room Waste Oil Underground Storage Tank (<i>flow-through process tank</i>)	SWMU 5	North of main Plant	A'1'-D'1' - A'5'-D'5'	Active
15	Paint Mix/Oil Stores Building	Former Interim Status Container Storage Area	SWMU 1	North of main Plant	A31	Out of Operation
		Container Storage Area	SWMU 22	North of main Plant		Active
		Oil/Water Mixing Tank Spill Area	AOC E	North of main Plant		Out of Operation
16	Ash Slurry UST	Ash Slurry Underground Storage Tank	SWMU 10	North central of main Plant	NA	Out of Operation

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Table 1. Areas of Interest, RACER Trust, Indianapolis, Indiana

AOI	AOI Name	Description	PA/VSID	Location	Nearest Column	Status
17	Storm and Waste Water Treatment Facility	Industrial Waste Water Treatment Facility (IWTF)	SWMU 14	NE of main Plant	NA	Out of Operation
		Storm Water Treatment Facility	SWMU 15	NE of main Plant	NA	Active
18	Spray Paint Booth, ELPO Paint System and Former Chromic Acid Treatment Tank	Spray Paint Booth Waste Accumulation Area	SWMU 3	NE corner of main Plant	DD3	Active
		UST 11	Not identified	NE corner of main Plant	NA	Out of Operation
		Former Parts Washing System	SWMU 20	NE corner of main Plant, third floor	A5	Out of Operation
		ELPO Paint System	SWMU 21	NE corner of main Plant, third floor	A3	Out of Operation
		ELPO Paint System Waste Pit	SWMU 12	NE corner of main Plant	B01	Out of Operation
		Former Chromic Acid Treatment Tank	SWMU 13	NE corner of main Plant	A04	Out of Operation
		Safety-Kleen Solvent Units	SWMU 2	Main Plant	NA	Active
19	Executive Car Garage	Executive Car Garage UST	Not identified	NE of main Plant	NA	Out of Operation
20	Storm Water Sewer System	Storm Water Retention Basin	SWMU 16	NW corner of facility visitor parking lot	NA	Active
		Storm Water Sewer System	SWMU 23	all outdoor parking lots and paved areas	NA	Active

Notes:

The name by which each of the AOCs and SWMUs is referred in the PA/VSID is listed in the "Description" column.

For units not identified in the PA/VSID, the description was provided by ARCADIS.

A - AOC A from the Indianapolis Metal Center PA/VSID includes AOC 1 and AOC 2 identified in the Ulrich Chemical PA/VSID.

B - SWMUs and AOCs identified during the PA/VSID for the former Plant 5 Ulrich Chemical, Inc. Facility IND006044333.

Table 2. VOC Concentrations Soil, RACER Trust, Indianapolis, Indiana
Indianapolis - Stamping

			Site Name	AOI 1	AOI 1	AOI 1	AOI 1	AOI 1	AOI 1	AOI 1	AOI 2	AOI 2	AOI 2	AOI 3	AOI 3	AOI 3	AOI 3	AOI 3	AOI 3	AOI 3	AOI 3	AOI 3	AOI 3
			Location ID	SB-01-1101	SB-01-1101	SB-01-1101	SB-01-1102	SB-01-1102	SB-01-1102	SB-01-1102	SB-02-1101	SB-02-1101	SB-02-1101	SB-03-1101	SB-03-1101	SB-03-1101	SB-03-1102	SB-03-1102	SB-03-1102	SB-03-1102	SB-03-1103	SB-03-1103	SB-03-1103
			Sample Date	9/9/2011	9/9/2011	9/9/2011	9/8/2011	9/8/2011	9/8/2011	9/8/2011	5/20/2011	5/20/2011	5/20/2011	5/23/2011	5/23/2011	5/23/2011	5/23/2011	5/23/2011	5/23/2011	5/23/2011	5/23/2011	5/23/2011	5/23/2011
			Depth Interval	0 - .5	8 - 10	18 - 20	0 - .5	8 - 10	8 - 10	18 - 20	.5 - 1	8 - 10	12 - 14	.4 - .9	8 - 10	10 - 12	.5 - 1	8 - 10	8 - 10	10 - 11.8	.5 - 1	8 - 10	10 - 12
			Sample Type Code	N	N	N	N	N	FD	N	N	N	N	N	N	N	N	N	FD	N	N	N	N
Constituents ^o (mg/kg)	CAS No	Residential Closure Level ¹	Industrial Closure Level ²																				
1,1,1-Trichloroethane	71-55-6	1.9	280	< 0.004 U	< 0.004 U	< 0.0047 U	< 0.0045 U	< 0.0051 U	---	< 0.0043 U	---	---	---	0.47	< 0.0047 U	< 0.0048 U	0.16 J	0.0024 J	0.0024 J	< 0.23 U	0.089 J	< 0.25 U	0.0013 J
1,1,2,2-Tetrachloroethane	79-34-5	0.007	0.11	< 0.004 U	< 0.004 U	< 0.0047 U	< 0.0045 U	< 0.0051 U	---	< 0.0043 U	---	---	---	< 0.24 U	< 0.0047 U	< 0.0048 U	< 0.25 U	< 0.0045 U	< 0.0048 U	< 0.23 U	< 0.55 U	< 0.25 U	< 0.0046 U
1,1,2-Trichloroethane	79-00-5	0.03	0.3	< 0.004 U	< 0.004 U	< 0.0047 U	< 0.0045 U	< 0.0051 U	---	< 0.0043 U	---	---	---	< 0.24 U	< 0.0047 U	< 0.0048 U	< 0.25 U	< 0.0045 U	< 0.0048 U	< 0.23 U	< 0.55 U	< 0.25 U	< 0.0046 U
1,1-Dichloroethane	75-34-3	5.6	58	< 0.004 U	< 0.004 U	< 0.0047 U	< 0.0045 U	< 0.0051 U	---	< 0.0043 U	---	---	---	< 0.24 U	< 0.0047 U	< 0.0048 U	< 0.25 U	< 0.0045 U	< 0.0048 U	< 0.23 U	< 0.55 U	< 0.25 U	< 0.0046 U
1,1-Dichloroethylene	75-35-4	0.058	42	< 0.004 U	< 0.004 U	< 0.0047 U	< 0.0045 U	< 0.0051 U	---	< 0.0043 U	---	---	---	0.035 J	< 0.0047 U	< 0.0048 U	< 0.25 U	< 0.0045 U	< 0.0048 U	< 0.23 U	< 0.55 U	< 0.25 U	< 0.0046 U
1,2,4-Trichlorobenzene	120-82-1	5.3	77	< 0.004 U	< 0.004 U	< 0.0047 U	< 0.0045 U	< 0.0051 U	---	< 0.0043 U	---	---	---	< 0.24 U	< 0.0047 U	< 0.0048 U	< 0.25 U	< 0.0045 U	< 0.0048 U	< 0.23 U	< 0.55 U	< 0.25 U	< 0.0046 U
1,2-Dibromo-3-Chloropropane (DBCP)	96-12-8	NS	NS	< 0.008 U	< 0.008 U	< 0.0095 U	< 0.009 U	< 0.0102 U	---	< 0.0086 U	---	---	---	< 0.48 U	< 0.0093 U	< 0.0096 U	< 0.5 U	< 0.009 U	< 0.0096 U	< 0.47 U	< 1.1 U	< 0.5 U	< 0.0092 U
1,2-Dibromoethane (Ethylene Dibromide)	106-93-4	0.00034	0.0096	< 0.004 U	< 0.004 U	< 0.0047 U	< 0.0045 U	< 0.0051 U	---	< 0.0043 U	---	---	---	< 0.24 U	< 0.0047 U	< 0.0048 U	< 0.25 U	< 0.0045 U	< 0.0048 U	< 0.23 U	< 0.55 U	< 0.25 U	< 0.0046 U
1,2-Dichlorobenzene	95-50-1	17	220	< 0.004 U	< 0.004 U	< 0.0047 U	< 0.0045 U	< 0.0051 U	---	< 0.0043 U	---	---	---	< 0.24 U	< 0.0047 U	< 0.0048 U	< 0.25 U	< 0.0045 U	< 0.0048 U	< 0.23 U	< 0.55 U	< 0.25 U	< 0.0046 U
1,2-Dichloroethane	107-06-2	0.024	0.15	< 0.004 U	< 0.004 U	< 0.0047 U	< 0.0045 U	< 0.0051 U	---	< 0.0043 U	---	---	---	< 0.24 U	< 0.0047 U	< 0.0048 U	< 0.25 U	< 0.0045 U	< 0.0048 U	< 0.23 U	< 0.55 U	< 0.25 U	< 0.0046 U
1,2-Dichloropropane	78-87-5	0.03	0.25	< 0.004 U	< 0.004 U	< 0.0047 U	< 0.0045 U	< 0.0051 U	---	< 0.0043 U	---	---	---	< 0.24 U	< 0.0047 U	< 0.0048 U	< 0.25 U	< 0.0045 U	< 0.0048 U	< 0.23 U	< 0.55 U	< 0.25 U	< 0.0046 U
1,4-Dichlorobenzene	106-46-7	2.2	3.4	< 0.004 U	< 0.004 U	< 0.0047 U	< 0.0045 U	< 0.0051 U	---	< 0.0043 U	---	---	---	< 0.24 U	< 0.0047 U	< 0.0048 U	< 0.25 U	< 0.0045 U	< 0.0048 U	< 0.23 U	< 0.55 U	< 0.25 U	< 0.0046 U
1,4-Dioxane	123-91-1	NS	NS	---	---	---	---	---	---	---	---	---	---	< 24 U	< 0.23 U	< 0.24 U	< 25 U	< 0.23 U	< 0.24 U	< 23 U	< 55 U	< 25 U	< 0.23 U
2-Butanone	78-93-3	35	250	< 0.0201 U	< 0.02 U	< 0.0236 U	< 0.0224 U	< 0.0254 U	---	< 0.0215 U	---	---	---	< 0.96 U	< 0.019 U	< 0.019 U	< 0.99 U	< 0.018 U	< 0.019 U	< 0.93 U	< 2.2 U	< 1 U	< 0.018 U
4-Methyl-2-pentanone	108-10-1	20	75	< 0.0201 U	< 0.02 U	< 0.0236 U	< 0.0224 U	< 0.0254 U	---	< 0.0215 U	---	---	---	< 0.96 U	< 0.019 U	< 0.019 U	< 0.99 U	< 0.018 U	< 0.019 U	< 0.93 U	< 2.2 U	< 1 U	< 0.018 U
Acetone	67-64-1	28	370	< 0.0804 U	< 0.0799 U	< 0.0945 U	0.199	0.21	---	0.0943	---	---	---	< 0.96 U	0.0098 JB	0.0075 JB	< 0.99 U	0.0067 JB	0.0078 JB	< 0.93 U	< 2.2 U	< 1 U	0.0066 JB
Benzene	71-43-2	0.034	0.35	< 0.004 U	< 0.004 U	< 0.0047 U	< 0.0045 U	< 0.0051 U	---	< 0.0043 U	< 0.0057 U	< 0.0045 U	< 0.0047 U	< 0.24 U	< 0.0047 U	< 0.0048 U	< 0.25 U	< 0.0045 U	< 0.0048 U	< 0.23 U	< 0.55 U	< 0.25 U	< 0.0046 U
Benzene, isopropyl	98-82-8	11	42	< 0.004 U	< 0.004 U	< 0.0047 U	< 0.0045 U	< 0.0051 U	---	< 0.0043 U	---	---	---	< 0.24 U	< 0.0047 U	< 0.0048 U	< 0.25 U	< 0.0045 U	< 0.0048 U	< 0.23 U	< 0.55 U	< 0.25 U	< 0.0046 U
Bromodichloromethane	75-27-4	0.51	0.51	< 0.004 U	< 0.004 U	< 0.0047 U	< 0.0045 U	< 0.0051 U	---	< 0.0043 U	---	---	---	< 0.24 U	< 0.0047 U	< 0.0048 U	< 0.25 U	< 0.0045 U	< 0.0048 U	< 0.23 U	< 0.55 U	< 0.25 U	< 0.0046 U
Bromomethane	74-83-9	0.052	0.7	< 0.004 U	< 0.004 U	< 0.0047 U	< 0.0045 U	< 0.0051 U	---	< 0.0043 U	---	---	---	< 0.24 U	< 0.0047 U	< 0.0048 U	< 0.25 U	< 0.0045 U	< 0.0048 U	< 0.23 U	< 0.55 U	< 0.25 U	< 0.0046 U
Carbon Disulfide	75-15-0	10	82	< 0.008 U	< 0.008 U	< 0.0095 U	< 0.009 U	< 0.0102 U	---	< 0.0086 U	---	---	---	< 0.24 U	< 0.0047 U	< 0.0048 U	< 0.25 U	< 0.0045 U	< 0.0048 U	< 0.23 U	< 0.55 U	< 0.25 U	< 0.0046 U
Carbon Tetrachloride	56-23-5	0.066	0.29	< 0.004 U	< 0.004 U	< 0.0047 U	< 0.0045 U	< 0.0051 U	---	< 0.0043 U	---	---	---	< 0.24 U	< 0.0047 U	< 0.0048 U	< 0.25 U	< 0.0045 U	< 0.0048 U	< 0.23 U	< 0.55 U	< 0.25 U	< 0.0046 U
CFC-11	75-69-4	29	540	< 0.004 U	< 0.004 U	< 0.0047 U	< 0.0045 U	< 0.0051 U	---	< 0.0043 U	---	---	---	< 0.24 U	< 0.0047 U	< 0.0048 U	< 0.25 U	< 0.0045 U	< 0.0048 U	< 0.23 U	< 0.55 U	< 0.25 U	< 0.0046 U
CFC-12	75-71-8	NS	NS	< 0.004 U	< 0.004 U	< 0.0047 U	< 0.0045 U	< 0.0051 U	---	< 0.0043 U	---	---	---	< 0.24 U	< 0.0047 U	< 0.0048 U	< 0.25 U	< 0.0045 U	< 0.0048 U	< 0.23 U	< 0.55 U	< 0.25 U	< 0.0046 U
Chlorinated Fluorocarbon (FREON 113)	76-13-1	NS	NS	< 0.004 U	< 0.004 U	< 0.0047 U	< 0.0045 U	< 0.0051 U	---	< 0.0043 U	---	---	---	< 0.24 U	< 0.0047 U	< 0.0048 U	< 0.25 U	< 0.0045 U	< 0.0048 U	< 0.23 U	< 0.55 U	< 0.25 U	< 0.0046 U
Chlorobenzene	108-90-7	1.3	27	< 0.004 U	< 0.004 U	< 0.0047 U	< 0.0045 U	< 0.0051 U	---	< 0.0043 U	---	---	---	< 0.24 U	< 0.0047 U	< 0.0048 U	< 0.25 U	< 0.0045 U	< 0.0048 U	< 0.23 U	< 0.55 U	< 0.25 U	< 0.0046 U
Chlorodibromomethane	124-48-1	NS	NS	< 0.004 U	< 0.004 U	< 0.0047 U	< 0.0045 U	< 0.0051 U	---	< 0.0043 U	---	---	---	< 0.24 U	< 0.0047 U	< 0.0048 U	< 0.25 U	< 0.0045 U	< 0.0048 U	< 0.23 U	< 0.55 U	< 0.25 U	< 0.0046 U
Chloroethane	75-00-3	0.65	10	< 0.004 U	< 0.004 U	< 0.0047 U	< 0.0045 U	< 0.0051 U	---	< 0.0043 U	---	---	---	< 0.24 U*	< 0.0047 U*	< 0.0048 U*	< 0.25 U*	< 0.0045 U*	< 0.0048 U*	< 0.23 U*	< 0.55 U*	< 0.25 U*	< 0.0046 U*
Chloroform	67-66-3	0.47	4.7	< 0.004 U	< 0.004 U	< 0.0047 U	< 0.0045 U	< 0.0051 U	---	< 0.0043 U	---	---	---	0.075 J	0.0013 J	0.0011 J	0.033 J	0.00026 J	0.00032 J	< 0.23 U	0.25 J	< 0.25 U	0.00046 J
Chloromethane	74-87-3	NS	NS	< 0.004 U	< 0.004 U	< 0.0047 U	< 0.0045 U	< 0.0051 U	---	< 0.0043 U	---	---	---	< 0.24 U	< 0.0047 U	< 0.0048 U	< 0.25 U	< 0.0045 U	< 0.0048 U	< 0.23 U	< 0.55 U	< 0.25 U	< 0.0046 U
cis-1,2-Dichloroethene	156-59-2	0.4	5.8	< 0.004 U	< 0.004 U	< 0.0047 U	< 0.0045 U	< 0.0051 U	---	< 0.0043 U	---	---	---	< 0.24 U	< 0.0047 U	< 0.0048 U	< 0.25 U	< 0.0045 U	< 0.0048 U	< 0.23 U	< 0.55 U	< 0.25 U	< 0.0046 U
cis-1,3-Dichloropropene	10061-01-5	0.04	0.2	< 0.004 U	< 0.004 U	< 0.0047 U	< 0.0045 U	< 0.0051 U	---	< 0.0043 U	---	---	---	< 0.24 U	< 0.0047 U	< 0.0048 U	< 0.25 U	< 0.0045 U	< 0.0048 U	< 0.23 U	< 0.55 U	< 0.25 U	< 0.0046 U
Cyclohexane	110-82-7	69	69	< 0.0804 U	< 0.0799 U	< 0.0945 U	< 0.0896 U	< 0.102 U	---	< 0.0861 U	---	---	---	< 0.48 U	< 0.0093 U*	0.00037 J*	< 0.5 U	< 0.009 U*	< 0.0096 U*	< 0.47 U	< 1.1 U	< 0.5 U	< 0.0092 U*
Ethylbenzene	100-41-4	13	160	< 0.004 U	< 0.004 U	< 0.0047 U	< 0.0045 U	< 0.0051 U	---	< 0.0043 U	< 0.0057 U	< 0.0045 U	< 0.0047 U	0.011 JB	< 0.0047 U	< 0.0048 U	< 0.25 U	< 0.0045 U	< 0.0048 U	< 0.23 U	0.016 J	< 0.25 U	< 0.0046 U
m-Dichlorobenzene	541-73-1	2.3	8.9	< 0.004 U	< 0.004 U	< 0.0047 U	< 0.0045 U	< 0.0051 U	---	< 0.0043 U	---	---	---	< 0.24 U	< 0.0047 U	< 0.0048 U	< 0.25 U	< 0.0045 U	< 0.0048 U	< 0.23 U	< 0.55 U	< 0.25 U	< 0.0046 U
Methylene Chloride	75-09-2	0.023	1.8	< 0.0161 U	< 0.016 U	< 0.0189 U	< 0.0179 U	< 0.0203 U	---	< 0.0172 U	---	---	---	0.15 JB	0.0024 JB	0.0024 JB	0.17 JB	0.0023 JB	0.0024 JB	0.19 JB	0.49 JB	0.2 JB	0.0026 JB
Methyl acetate	79-20-9	NS	NS	< 0.004 U	< 0.004 U	< 0.0047 U	< 0.0045 U	< 0.0051 U	---	< 0.0043 U	---	---	---	0.076 J	< 0.0093 U	< 0.0096 U	0.038 J	< 0.009 U	< 0.0096 U	< 0.47 U	0.11 J	< 0.5 U	< 0.0092 U
Methyl N-Butyl Ketone	591-78-6	NS	NS	< 0.0804 U	< 0.0799 U	< 0.0945 U	< 0.0896 U	< 0.102 U	---	< 0.0861 U	---	---	---	< 0.96 U	< 0.019 U	< 0.019 U	< 0.99 U	< 0.018 U	< 0.019 U	< 0.93 U	< 2.2 U	< 1 U	< 0.018 U
Methyl tertiary butyl ether (MTBE)	1634-04-4	0.18	3.2	&																			

Table 2. VOC Concentrations Soil, RACER Trust, Indianapolis, Indiana
Indianapolis - Stamping

			Site Name	AOI 3	AOI 3	AOI 3	AOI 3	AOI 3	AOI 3	AOI 3	AOI 3	AOI 3	AOI 3	AOI 3	AOI 3	AOI 3	AOI 3	AOI 3	AOI 3	AOI 3	AOI 3	AOI 3	AOI 3	AOI 3		
			Location ID	SB-03-1104	SB-03-1104	SB-03-1105	SB-03-1105	SB-03-1105	SB-03-1106	SB-03-1106	SB-03-1106	SB-03-1106	SB-03-1106	SB-03-1106	SB-03-1106	SB-03-1106	SB-03-1106	SB-03-1106	SB-03-1107	SB-03-1107	SB-03-1107	SB-03-1107	SB-03-1107	SB-03-1107	SB-03-1107	
			Sample Date	5/23/2011	5/23/2011	9/7/2011	9/7/2011	9/7/2011	9/6/2011	9/6/2011	9/6/2011	9/6/2011	9/6/2011	9/6/2011	9/6/2011	9/6/2011	9/6/2011	9/6/2011	9/6/2011	9/6/2011	9/6/2011	9/6/2011	9/6/2011	9/6/2011	9/6/2011	
			Depth Interval	1 - 1.5	8 - 10	2 - 4	4 - 6	6 - 8	0 - .5	0 - .5	.5 - 2	.5 - 2	.5 - 2	2 - 4	4 - 6	6 - 8	8 - 10	10 - 11	0 - .5	.5 - 2	2 - 4	4 - 6	6 - 8	6 - 8	8 - 10	10 - 11
			Sample Type Code	N	N	N	N	N	N	FD	N	FD	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Constituents ^o (mg/kg)	CAS No	Residential Closure Level [†]	Industrial Closure Level [‡]																							
1,1,1-Trichloroethane	71-55-6	1.9	280	0.51	< 0.2 U	< 0.0039 U	< 0.0044 U	< 0.0044 U	< 0.0049 U	< 0.0049 U	0.0155	0.0053	0.0167	0.0203	< 0.0052 U	0.0051	< 0.0045 U	0.115	0.303	0.0139	0.0132	0.0122	0.0139	0.0242		
1,1,2,2-Tetrachloroethane	79-34-5	0.007	0.11	< 0.26 U	< 0.2 U	< 0.0039 U	< 0.0044 U	< 0.0044 U	< 0.0049 U	< 0.0049 U	< 0.0046 U	< 0.0046 U	< 0.0053 U	< 0.0047 U	< 0.0052 U	< 0.0047 U	< 0.0045 U	< 0.0057 U	< 0.007 U	< 0.0049 U	< 0.0045 U	< 0.0049 U	< 0.0049 U	< 0.0047 U		
1,1,2-Trichloroethane	79-00-5	0.03	0.3	< 0.26 U	< 0.2 U	< 0.0039 U	< 0.0044 U	< 0.0044 U	< 0.0049 U	< 0.0049 U	< 0.0046 U	< 0.0046 U	< 0.0053 U	< 0.0047 U	< 0.0052 U	< 0.0047 U	< 0.0045 U	< 0.0057 U	< 0.007 U	< 0.0049 U	< 0.0045 U	< 0.0049 U	< 0.0049 U	< 0.0047 U		
1,1-Dichloroethane	75-34-3	5.6	58	< 0.26 U	< 0.2 U	< 0.0039 U	< 0.0044 U	< 0.0044 U	< 0.0049 U	< 0.0049 U	< 0.0046 U	< 0.0046 U	< 0.0053 U	< 0.0047 U	< 0.0052 U	< 0.0047 U	< 0.0045 U	< 0.0057 U	< 0.007 U	< 0.0049 U	< 0.0045 U	< 0.0049 U	< 0.0049 U	< 0.0047 U		
1,1-Dichloroethylene	75-35-4	0.058	42	< 0.26 U	< 0.2 U	< 0.0039 U	< 0.0044 U	< 0.0044 U	< 0.0049 U	< 0.0049 U	< 0.0046 U	< 0.0046 U	< 0.0053 U	< 0.0047 U	< 0.0052 U	< 0.0047 U	< 0.0045 U	< 0.0057 U	< 0.007 U	< 0.0049 U	< 0.0045 U	< 0.0049 U	< 0.0049 U	< 0.0047 U		
1,2,4-Trichlorobenzene	120-82-1	5.3	77	< 0.26 U	< 0.2 U	< 0.0039 U	< 0.0044 U	< 0.0044 U	< 0.0049 U	< 0.0049 U	< 0.0046 U	< 0.0046 U	< 0.0053 U	< 0.0047 U	< 0.0052 U	< 0.0047 U	< 0.0045 U	< 0.0057 U	< 0.007 U	< 0.0049 U	< 0.0045 U	< 0.0049 U	< 0.0049 U	< 0.0047 U		
1,2-Dibromo-3-Chloropropane (DBCP)	96-12-8	NS	NS	< 0.51 U	< 0.4 U	< 0.0078 U	< 0.0089 U	< 0.0088 U	< 0.0098 U	< 0.0098 U	< 0.0093 U	< 0.0092 U	< 0.0107 U	< 0.0094 U	< 0.0104 U	< 0.0095 U	< 0.0089 U	< 0.0113 U	< 0.014 U	< 0.0099 U	< 0.009 U	< 0.0098 U	< 0.0098 U	< 0.0094 U		
1,2-Dibromoethane (Ethylene Dibromide)	106-93-4	0.00034	0.0096	< 0.26 U	< 0.2 U	< 0.0039 U	< 0.0044 U	< 0.0044 U	< 0.0049 U	< 0.0049 U	< 0.0046 U	< 0.0046 U	< 0.0053 U	< 0.0047 U	< 0.0052 U	< 0.0047 U	< 0.0045 U	< 0.0057 U	< 0.007 U	< 0.0049 U	< 0.0045 U	< 0.0049 U	< 0.0049 U	< 0.0047 U		
1,2-Dichlorobenzene	95-50-1	17	220	< 0.26 U	< 0.2 U	< 0.0039 U	< 0.0044 U	< 0.0044 U	< 0.0049 U	< 0.0049 U	< 0.0046 U	< 0.0046 U	< 0.0053 U	< 0.0047 U	< 0.0052 U	< 0.0047 U	< 0.0045 U	< 0.0057 U	< 0.007 U	< 0.0049 U	< 0.0045 U	< 0.0049 U	< 0.0049 U	< 0.0047 U		
1,2-Dichloroethylene	107-06-2	0.024	0.15	< 0.26 U	< 0.2 U	< 0.0039 U	< 0.0044 U	< 0.0044 U	< 0.0049 U	< 0.0049 U	< 0.0046 U	< 0.0046 U	< 0.0053 U	< 0.0047 U	< 0.0052 U	< 0.0047 U	< 0.0045 U	< 0.0057 U	< 0.007 U	< 0.0049 U	< 0.0045 U	< 0.0049 U	< 0.0049 U	< 0.0047 U		
1,2-Dichloropropane	78-87-5	0.03	0.25	< 0.26 U	< 0.2 U	< 0.0039 U	< 0.0044 U	< 0.0044 U	< 0.0049 U	< 0.0049 U	< 0.0046 U	< 0.0046 U	< 0.0053 U	< 0.0047 U	< 0.0052 U	< 0.0047 U	< 0.0045 U	< 0.0057 U	< 0.007 U	< 0.0049 U	< 0.0045 U	< 0.0049 U	< 0.0049 U	< 0.0047 U		
1,4-Dichlorobenzene	106-46-7	2.2	3.4	< 0.26 U	< 0.2 U	< 0.0039 U	< 0.0044 U	< 0.0044 U	< 0.0049 U	< 0.0049 U	< 0.0046 U	< 0.0046 U	< 0.0053 U	< 0.0047 U	< 0.0052 U	< 0.0047 U	< 0.0045 U	< 0.0057 U	< 0.007 U	< 0.0049 U	< 0.0045 U	< 0.0049 U	< 0.0049 U	< 0.0047 U		
1,4-Dioxane	123-91-1	NS	NS	< 26 U	< 20 U	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
2-Butanone	78-93-3	35	250	< 1 U	< 0.8 U	< 0.0194 U	< 0.0222 U	< 0.0221 U	< 0.0244 U	< 0.0246 U	< 0.0232 U	< 0.023 U	< 0.0267 U	< 0.0235 U	< 0.0261 U	< 0.0237 U	< 0.0223 U	< 0.0283 U	< 0.0351 U	< 0.0247 U	< 0.0224 U	< 0.0246 U	< 0.0244 U	< 0.0235 U		
4-Methyl-2-pentanone	108-10-1	20	75	< 1 U	< 0.8 U	< 0.0194 U	< 0.0222 U	< 0.0221 U	< 0.0244 U	< 0.0246 U	< 0.0232 U	< 0.023 U	< 0.0267 U	< 0.0235 U	< 0.0261 U	< 0.0237 U	< 0.0223 U	< 0.0283 U	< 0.0351 U	< 0.0247 U	< 0.0224 U	< 0.0246 U	< 0.0244 U	< 0.0235 U		
Acetone	67-64-1	28	370	< 1 U	< 0.8 U	0.115	0.125	< 0.0883 U	0.151	0.235	0.256	0.218	0.261	< 0.094 U	< 0.104 U	0.192	0.0903	< 0.113 U	0.256	< 0.0988 U	0.134	< 0.0982 U	0.286	< 0.094 U		
Benzene	71-43-2	0.034	0.35	< 0.26 U	< 0.2 U	< 0.0039 U	< 0.0044 U	< 0.0044 U	< 0.0049 U	< 0.0049 U	< 0.0046 U	< 0.0046 U	< 0.0053 U	< 0.0047 U	< 0.0052 U	< 0.0047 U	< 0.0045 U	< 0.0057 U	< 0.007 U	< 0.0049 U	< 0.0045 U	< 0.0049 U	< 0.0049 U	< 0.0047 U		
Benzene, isopropyl	98-82-8	11	42	< 0.26 U	< 0.2 U	< 0.0039 U	< 0.0044 U	< 0.0044 U	< 0.0049 U	< 0.0049 U	< 0.0046 U	< 0.0046 U	< 0.0053 U	< 0.0047 U	< 0.0052 U	< 0.0047 U	< 0.0045 U	< 0.0057 U	< 0.007 U	< 0.0049 U	< 0.0045 U	< 0.0049 U	< 0.0049 U	< 0.0047 U		
Bromodichloromethane	75-27-4	0.51	0.51	< 0.26 U	< 0.2 U	< 0.0039 U	< 0.0044 U	< 0.0044 U	< 0.0049 U	< 0.0049 U	< 0.0046 U	< 0.0046 U	< 0.0053 U	< 0.0047 U	< 0.0052 U	< 0.0047 U	< 0.0045 U	< 0.0057 U	< 0.007 U	< 0.0049 U	< 0.0045 U	< 0.0049 U	< 0.0049 U	< 0.0047 U		
Bromomethane	74-83-9	0.052	0.7	< 0.26 U	< 0.2 U	< 0.0039 U	< 0.0044 U	< 0.0044 U	< 0.0049 U	< 0.0049 U	< 0.0046 U	< 0.0046 U	< 0.0053 U	< 0.0047 U	< 0.0052 U	< 0.0047 U	< 0.0045 U	< 0.0057 U	< 0.007 U	< 0.0049 U	< 0.0045 U	< 0.0049 U	< 0.0049 U	< 0.0047 U		
Carbon Disulfide	75-15-0	10	82	< 0.26 U	< 0.2 U	< 0.0078 U	< 0.0089 U	< 0.0088 U	< 0.0098 U	< 0.0098 U	< 0.0093 U	< 0.0092 U	< 0.0107 U	< 0.0094 U	< 0.0104 U	< 0.0095 U	< 0.0089 U	< 0.0113 U	< 0.014 U	< 0.0099 U	< 0.009 U	< 0.0098 U	< 0.0098 U	< 0.0094 U		
Carbon Tetrachloride	56-23-5	0.066	0.29	0.01 J	< 0.2 U	< 0.0039 U	< 0.0044 U	< 0.0044 U	< 0.0049 U	< 0.0049 U	< 0.0046 U	< 0.0046 U	< 0.0053 U	< 0.0047 U	< 0.0052 U	< 0.0047 U	< 0.0045 U	< 0.0057 U	< 0.007 U	< 0.0049 U	< 0.0045 U	< 0.0049 U	< 0.0049 U	< 0.0047 U		
CFC-11	75-69-4	29	540	< 0.26 U	< 0.2 U	< 0.0039 U	< 0.0044 U	< 0.0044 U	< 0.0049 U	< 0.0049 U	< 0.0046 U	< 0.0046 U	< 0.0053 U	< 0.0047 U	< 0.0052 U	< 0.0047 U	< 0.0045 U	< 0.0057 U	< 0.007 U	< 0.0049 U	< 0.0045 U	< 0.0049 U	< 0.0049 U	< 0.0047 U		
CFC-12	75-71-8	NS	NS	< 0.26 U	< 0.2 U	< 0.0039 U	< 0.0044 U	< 0.0044 U	< 0.0049 U	< 0.0049 U	< 0.0046 U	< 0.0046 U	< 0.0053 U	< 0.0047 U	< 0.0052 U	< 0.0047 U	< 0.0045 U	< 0.0057 U	< 0.007 U	< 0.0049 U	< 0.0045 U	< 0.0049 U	< 0.0049 U	< 0.0047 U		
Chlorinated Fluorocarbon (FREON 113)	76-13-1	NS	NS	< 0.26 U	< 0.2 U	< 0.0039 U	< 0.0044 U	< 0.0044 U	< 0.0049 U	< 0.0049 U	< 0.0046 U	< 0.0046 U	< 0.0053 U	< 0.0047 U	< 0.0052 U	< 0.0047 U	< 0.0045 U	< 0.0057 U	< 0.007 U	< 0.0049 U	< 0.0045 U	< 0.0049 U	< 0.0049 U	< 0.0047 U		
Chlorobenzene	108-90-7	1.3	27	< 0.26 U	< 0.2 U	< 0.0039 U	< 0.0044 U	< 0.0044 U	< 0.0049 U	< 0.0049 U	< 0.0046 U	< 0.0046 U	< 0.0053 U	< 0.0047 U	< 0.0052 U	< 0.0047 U	< 0.0045 U	< 0.0057 U	< 0.007 U	< 0.0049 U	< 0.0045 U	< 0.0049 U	< 0.0049 U	< 0.0047 U		
Chlorodibromomethane	124-48-1	NS	NS	< 0.26 U	< 0.2 U	< 0.0039 U	< 0.0044 U	< 0.0044 U	< 0.0049 U	< 0.0049 U	< 0.0046 U	< 0.0046 U	< 0.0053 U	< 0.0047 U	< 0.0052 U	< 0.0047 U	< 0.0045 U	< 0.0057 U	< 0.007 U	< 0.0049 U	< 0.0045 U	< 0.0049 U	< 0.0049 U	< 0.0047 U		
Chloroethane	75-00-3	0.65	10	< 0.26 U*	< 0.2 U*	< 0.0039 U	< 0.0044 U	< 0.0044 U	< 0.0049 U	< 0.0049 U	< 0.0046 U	< 0.0046 U	< 0.0053 U	< 0.0047 U	< 0.0052 U	< 0.0047 U	< 0.0045 U	< 0.0057 U	< 0.007 U	< 0.0049 U	< 0.0045 U	< 0.0049 U	< 0.0049 U	< 0.0047 U		
Chloroform	67-66-3	0.47	4.7	0.032 J	< 0.2 U	< 0.0039 U	< 0.0044 U	< 0.0044 U	< 0.0049 U	< 0.0049 U	< 0.0046 U	< 0.0046 U	< 0.0053 U	< 0.0047 U	< 0.0052 U	< 0.0047 U	< 0.0045 U	0.0195	< 0.0049 U	< 0.0045 U	< 0.0049 U	< 0.0049 U	< 0.0049 U	< 0.0047 U		
Chloromethane	74-87-3	NS	NS	< 0.26 U	< 0.2 U	< 0.0039 U	< 0.0044 U	< 0.0044 U	< 0.0049 U	< 0.0049 U	< 0.0046 U	< 0.0046 U	< 0.0053 U	< 0.0047 U	< 0.0052 U	< 0.0047 U	< 0.0045 U	< 0.0057 U	< 0.007 U	< 0.0049 U	< 0.0045 U	< 0.0049 U	< 0.0049 U	< 0.0047 U		
cis-1,2-Dichloroethene	156-59-2	0.4	5.8	< 0.26 U	< 0.2 U	< 0.0039 U	< 0.0044 U	< 0.0044 U	< 0.0049 U	< 0.0049 U	< 0.0046 U	< 0.0046 U	< 0.0053 U	< 0.0047 U	< 0.0052 U	< 0.0047 U	< 0.0045 U	< 0.0057 U	< 0.007 U	< 0.0049 U	< 0.0045 U	< 0.0049 U	< 0.0049 U	< 0.0047 U		
cis-1,3-Dichloropropene	10061-01-5	0.04	0.2	< 0.26 U	< 0.2 U	< 0.0039 U	< 0.0044 U	< 0.0044 U	< 0.0049 U	< 0.0049 U</																

Table 2. VOC Concentrations Soil, RACER Trust, Indianapolis, Indiana
Indianapolis - Stamping

			Site Name	AOI 3	AOI 3	AOI 3	AOI 3	AOI 3	AOI 3	AOI 3	AOI 3	AOI 3	AOI 3	AOI 3	AOI 3	AOI 3	AOI 3	AOI 3	AOI 3	AOI 3
			Location ID	MW-1107	MW-1107	SB-03-1108	SB-03-1108	SB-03-1108	SB-03-1108	SB-03-1108	SB-03-1108	SB-03-1108	SB-03-1108	SB-03-1109	SB-03-1109	SB-03-1109	SB-03-1110	SB-03-1110	SB-03-1110	SB-03-1110
			Sample Date	5/19/2011	5/19/2011	9/6/2011	9/6/2011	9/6/2011	9/6/2011	9/6/2011	9/6/2011	9/6/2011	9/6/2011	9/7/2011	9/7/2011	9/7/2011	9/7/2011	9/7/2011	9/7/2011	9/7/2011
			Depth Interval	8 - 10	10 - 12	0 - .5	.5 - 2	2 - 4	4 - 6	6 - 8	8 - 10	10 - 11	10 - 11	2 - 4	4 - 6	6 - 8	2 - 4	2 - 4	4 - 6	6 - 8
			Sample Type Code	N	N	N	N	N	N	N	N	N	N	N	N	N	N	FD	N	N
Constituents ^o (mg/kg)	CAS No	Residential Closure Level ¹	Industrial Closure Level ²																	
1,1,1-Trichloroethane	71-55-6	1.9	280	0.0026 J	0.00065 J	0.0409	0.0915	0.291	0.0426	0.0099	0.0143	0.0157	< 0.0048 U	< 0.0044 U	< 0.0047 U	< 0.0044 U	< 0.0041 U	0.0206	< 0.0044 U	0.0075
1,1,2,2-Tetrachloroethane	79-34-5	0.007	0.11	< 0.0046 U	< 0.0044 U	< 0.006 U	< 0.0056 U	< 0.0068 U	< 0.0044 U	< 0.0042 U	< 0.0044 U	< 0.0049 U	< 0.0048 U	< 0.0044 U	< 0.0047 U	< 0.0044 U	< 0.0041 U	< 0.0049 U	< 0.0044 U	< 0.0043 U
1,1,2-Trichloroethane	79-00-5	0.03	0.3	< 0.0046 U	< 0.0044 U	< 0.006 U	< 0.0056 U	< 0.0068 U	< 0.0044 U	< 0.0042 U	< 0.0044 U	< 0.0049 U	< 0.0048 U	< 0.0044 U	< 0.0047 U	< 0.0044 U	< 0.0041 U	< 0.0049 U	< 0.0044 U	< 0.0043 U
1,1-Dichloroethane	75-34-3	5.6	58	< 0.0046 U	< 0.0044 U	< 0.006 U	< 0.0056 U	< 0.0068 U	< 0.0044 U	< 0.0042 U	< 0.0044 U	< 0.0049 U	< 0.0048 U	< 0.0044 U	< 0.0047 U	< 0.0044 U	< 0.0041 U	< 0.0049 U	< 0.0044 U	< 0.0043 U
1,1-Dichloroethylene	75-35-4	0.058	42	< 0.0046 U	< 0.0044 U	< 0.006 U	< 0.0056 U	< 0.0068 U	< 0.0044 U	< 0.0042 U	< 0.0044 U	< 0.0049 U	< 0.0048 U	< 0.0044 U	< 0.0047 U	< 0.0044 U	< 0.0041 U	< 0.0049 U	< 0.0044 U	< 0.0043 U
1,2,4-Trichlorobenzene	120-82-1	5.3	77	< 0.0046 U	< 0.0044 U	< 0.006 U	< 0.0056 U	< 0.0068 U	< 0.0044 U	< 0.0042 U	< 0.0044 U	< 0.0049 U	< 0.0048 U	< 0.0044 U	< 0.0047 U	< 0.0044 U	< 0.0041 U	< 0.0049 U	< 0.0044 U	< 0.0043 U
1,2-Dibromo-3-Chloropropane (DBCP)	96-12-8	NS	NS	< 0.0092 U	< 0.0088 U	< 0.0121 U	< 0.0112 U	< 0.0136 U	< 0.0088 U	< 0.0084 U	< 0.0088 U	< 0.0099 U	< 0.0096 U	< 0.0087 U	< 0.0093 U	< 0.0089 U	< 0.0083 U	< 0.0098 U	< 0.0088 U	< 0.0086 U
1,2-Dibromoethane (Ethylene Dibromide)	106-93-4	0.00034	0.0096	< 0.0046 U	< 0.0044 U	< 0.006 U	< 0.0056 U	< 0.0068 U	< 0.0044 U	< 0.0042 U	< 0.0044 U	< 0.0049 U	< 0.0048 U	< 0.0044 U	< 0.0047 U	< 0.0044 U	< 0.0041 U	< 0.0049 U	< 0.0044 U	< 0.0043 U
1,2-Dichlorobenzene	95-50-1	17	220	< 0.0046 U	< 0.0044 U	< 0.006 U	< 0.0056 U	< 0.0068 U	< 0.0044 U	< 0.0042 U	< 0.0044 U	< 0.0049 U	< 0.0048 U	< 0.0044 U	< 0.0047 U	< 0.0044 U	< 0.0041 U	< 0.0049 U	< 0.0044 U	< 0.0043 U
1,2-Dichloroethane	107-06-2	0.024	0.15	< 0.0046 U	< 0.0044 U	< 0.006 U	< 0.0056 U	< 0.0068 U	< 0.0044 U	< 0.0042 U	< 0.0044 U	< 0.0049 U	< 0.0048 U	< 0.0044 U	< 0.0047 U	< 0.0044 U	< 0.0041 U	< 0.0049 U	< 0.0044 U	< 0.0043 U
1,2-Dichloropropane	78-87-5	0.03	0.25	< 0.0046 U	< 0.0044 U	< 0.006 U	< 0.0056 U	< 0.0068 U	< 0.0044 U	< 0.0042 U	< 0.0044 U	< 0.0049 U	< 0.0048 U	< 0.0044 U	< 0.0047 U	< 0.0044 U	< 0.0041 U	< 0.0049 U	< 0.0044 U	< 0.0043 U
1,4-Dichlorobenzene	106-46-7	2.2	3.4	< 0.0046 U	< 0.0044 U	< 0.006 U	< 0.0056 U	< 0.0068 U	< 0.0044 U	< 0.0042 U	< 0.0044 U	< 0.0049 U	< 0.0048 U	< 0.0044 U	< 0.0047 U	< 0.0044 U	< 0.0041 U	< 0.0049 U	< 0.0044 U	< 0.0043 U
1,4-Dioxane	123-91-1	NS	NS	< 0.23 U	< 0.22 U	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
2-Butanone	78-93-3	35	250	< 0.018 U	< 0.018 U	< 0.0302 U	< 0.028 U	< 0.0339 U	< 0.0221 U	< 0.0211 U	< 0.0221 U	< 0.0247 U	< 0.024 U	< 0.0218 U	< 0.0233 U	< 0.0222 U	< 0.0207 U	< 0.0246 U	< 0.0221 U	< 0.0215 U
4-Methyl-2-pentanone	108-10-1	20	75	< 0.018 U	< 0.018 U	< 0.0302 U	< 0.028 U	< 0.0339 U	< 0.0221 U	< 0.0211 U	< 0.0221 U	< 0.0247 U	< 0.024 U	< 0.0218 U	< 0.0233 U	< 0.0222 U	< 0.0207 U	< 0.0246 U	< 0.0221 U	< 0.0215 U
Acetone	67-64-1	28	370	0.011 JB	0.0065 JB	0.236	< 0.112 U	< 0.136 U	0.304	0.319	0.161	0.2	< 0.096 U	< 0.0873 U	< 0.0933 U	< 0.0889 U	< 0.0826 U	0.109	0.16	0.397
Benzene	71-43-2	0.034	0.35	< 0.0046 U	< 0.0044 U	< 0.006 U	< 0.0056 U	< 0.0068 U	< 0.0044 U	< 0.0042 U	< 0.0044 U	< 0.0049 U	< 0.0048 U	< 0.0044 U	< 0.0047 U	< 0.0044 U	< 0.0041 U	< 0.0049 U	< 0.0044 U	< 0.0043 U
Benzene, isopropyl	98-82-8	11	42	< 0.0046 U	< 0.0044 U	< 0.006 U	< 0.0056 U	< 0.0068 U	< 0.0044 U	< 0.0042 U	< 0.0044 U	< 0.0049 U	< 0.0048 U	< 0.0044 U	< 0.0047 U	< 0.0044 U	< 0.0041 U	< 0.0049 U	< 0.0044 U	< 0.0043 U
Bromodichloromethane	75-27-4	0.51	0.51	< 0.0046 U	< 0.0044 U	< 0.006 U	< 0.0056 U	< 0.0068 U	< 0.0044 U	< 0.0042 U	< 0.0044 U	< 0.0049 U	< 0.0048 U	< 0.0044 U	< 0.0047 U	< 0.0044 U	< 0.0041 U	< 0.0049 U	< 0.0044 U	< 0.0043 U
Bromomethane	74-83-9	0.052	0.7	< 0.0046 U	< 0.0044 U	< 0.006 U	< 0.0056 U	< 0.0068 U	< 0.0044 U	< 0.0042 U	< 0.0044 U	< 0.0049 U	< 0.0048 U	< 0.0044 U	< 0.0047 U	< 0.0044 U	< 0.0041 U	< 0.0049 U	< 0.0044 U	< 0.0043 U
Carbon Disulfide	75-15-0	10	82	0.0006 J	< 0.0044 U	< 0.0121 U	< 0.0112 U	< 0.0136 U	< 0.0088 U	< 0.0084 U	< 0.0088 U	< 0.0099 U	< 0.0096 U	< 0.0087 U	< 0.0093 U	< 0.0089 U	< 0.0083 U	< 0.0098 U	< 0.0088 U	< 0.0086 U
Carbon Tetrachloride	56-23-5	0.066	0.29	< 0.0046 U	< 0.0044 U	< 0.006 U	< 0.0056 U	< 0.0068 U	< 0.0044 U	< 0.0042 U	< 0.0044 U	< 0.0049 U	< 0.0048 U	< 0.0044 U	< 0.0047 U	< 0.0044 U	< 0.0041 U	< 0.0049 U	< 0.0044 U	< 0.0043 U
CFC-11	75-69-4	29	540	< 0.0046 U	< 0.0044 U	< 0.006 U	< 0.0056 U	< 0.0068 U	< 0.0044 U	< 0.0042 U	< 0.0044 U	< 0.0049 U	< 0.0048 U	< 0.0044 U	< 0.0047 U	< 0.0044 U	< 0.0041 U	< 0.0049 U	< 0.0044 U	< 0.0043 U
CFC-12	75-71-8	NS	NS	< 0.0046 U	< 0.0044 U	< 0.006 U	< 0.0056 U	< 0.0068 U	< 0.0044 U	< 0.0042 U	< 0.0044 U	< 0.0049 U	< 0.0048 U	< 0.0044 U	< 0.0047 U	< 0.0044 U	< 0.0041 U	< 0.0049 U	< 0.0044 U	< 0.0043 U
Chlorinated Fluorocarbon (FREON 113)	76-13-1	NS	NS	< 0.0046 U	< 0.0044 U	< 0.006 U	< 0.0056 U	< 0.0068 U	< 0.0044 U	< 0.0042 U	< 0.0044 U	< 0.0049 U	< 0.0048 U	< 0.0044 U	< 0.0047 U	< 0.0044 U	< 0.0041 U	< 0.0049 U	< 0.0044 U	< 0.0043 U
Chlorobenzene	108-90-7	1.3	27	< 0.0046 U	< 0.0044 U	< 0.006 U	< 0.0056 U	< 0.0068 U	< 0.0044 U	< 0.0042 U	< 0.0044 U	< 0.0049 U	< 0.0048 U	< 0.0044 U	< 0.0047 U	< 0.0044 U	< 0.0041 U	< 0.0049 U	< 0.0044 U	< 0.0043 U
Chlorodibromomethane	124-48-1	NS	NS	< 0.0046 U	< 0.0044 U	< 0.006 U	< 0.0056 U	< 0.0068 U	< 0.0044 U	< 0.0042 U	< 0.0044 U	< 0.0049 U	< 0.0048 U	< 0.0044 U	< 0.0047 U	< 0.0044 U	< 0.0041 U	< 0.0049 U	< 0.0044 U	< 0.0043 U
Chloroethane	75-00-3	0.65	10	< 0.0046 U	< 0.0044 U	< 0.006 U	< 0.0056 U	< 0.0068 U	< 0.0044 U	< 0.0042 U	< 0.0044 U	< 0.0049 U	< 0.0048 U	< 0.0044 U	< 0.0047 U	< 0.0044 U	< 0.0041 U	< 0.0049 U	< 0.0044 U	< 0.0043 U
Chloroform	67-66-3	0.47	4.7	< 0.0046 U	< 0.0044 U	< 0.006 U	< 0.0056 U	0.0079	< 0.0044 U	< 0.0042 U	< 0.0044 U	< 0.0049 U	< 0.0048 U	< 0.0044 U	< 0.0047 U	< 0.0044 U	< 0.0041 U	0.0178	< 0.0044 U	< 0.0043 U
Chloromethane	74-87-3	NS	NS	< 0.0046 U	< 0.0044 U	< 0.006 U	< 0.0056 U	< 0.0068 U	< 0.0044 U	< 0.0042 U	< 0.0044 U	< 0.0049 U	< 0.0048 U	< 0.0044 U	< 0.0047 U	< 0.0044 U	< 0.0041 U	< 0.0049 U	< 0.0044 U	< 0.0043 U
cis-1,2-Dichloroethene	156-59-2	0.4	5.8	< 0.0046 U	< 0.0044 U	< 0.006 U	< 0.0056 U	< 0.0068 U	< 0.0044 U	< 0.0042 U	< 0.0044 U	< 0.0049 U	< 0.0048 U	< 0.0044 U	< 0.0047 U	< 0.0044 U	< 0.0041 U	< 0.0049 U	< 0.0044 U	< 0.0043 U
cis-1,3-Dichloropropene	10061-01-5	0.04	0.2	< 0.0046 U	< 0.0044 U	< 0.006 U	< 0.0056 U	< 0.0068 U	< 0.0044 U	< 0.0042 U	< 0.0044 U	< 0.0049 U	< 0.0048 U	< 0.0044 U	< 0.0047 U	< 0.0044 U	< 0.0041 U	< 0.0049 U	< 0.0044 U	< 0.0043 U
Cyclohexane	110-82-7	69	69	< 0.0092 U*	< 0.0088 U*	< 0.121 U	< 0.112 U	< 0.136 U	< 0.0884 U	< 0.0844 U	< 0.0883 U	< 0.0989 U	< 0.096 U	< 0.0873 U	< 0.0933 U	< 0.0889 U	< 0.0826 U	< 0.0982 U	< 0.0884 U	< 0.0862 U
Ethylbenzene	100-41-4	13	160	< 0.0046 U	< 0.0044 U	< 0.006 U	< 0.0056 U	< 0.0068 U	< 0.0044 U	< 0.0042 U	< 0.0044 U	< 0.0049 U	< 0.0048 U	< 0.0044 U	< 0.0047 U	< 0.0044 U	< 0.0041 U	< 0.0049 U	< 0.0044 U	< 0.0043 U
m-Dichlorobenzene	541-73-1	2.3	8.9	< 0.0046 U	< 0.0044 U	< 0.006 U	< 0.0056 U	< 0.0068 U	< 0.0044 U	< 0.0042 U	< 0.0044 U	< 0.0049 U	< 0.0048 U	< 0.0044 U	< 0.0047 U	< 0.0044 U	< 0.0041 U	< 0.0049 U	< 0.0044 U	< 0.0043 U
Methylene Chloride	75-09-2	0.023	1.8	< 0.0046 U	0.0018 JB	< 0.0241 U	< 0.0224 U	< 0.0271 U	< 0.0177 U	< 0.0169 U	< 0.0177 U	< 0.0198 U	< 0.0192 U	< 0.0175 U	< 0.0187 U	< 0.0178 U	< 0.0165 U	< 0.0196 U	< 0.0177 U	< 0.0172 U
Methyl acetate	79-20-9	NS	NS	< 0.0092 U	< 0.0088 U	< 0.006 U	< 0.0056 U	< 0.0068 U	< 0.0044 U	< 0.0042 U	< 0.0044 U	< 0.0049 U	< 0.0048 U	< 0.0044 U	< 0.0047 U	< 0.0044 U	< 0.0041 U	< 0.0049 U	< 0.0044 U	< 0.0043 U
Methyl N-Butyl Ketone	591-78-6	NS	NS	< 0.018 U	< 0.018 U	< 0.121 U	< 0.112 U	< 0.136 U	< 0.0884 U	< 0.0844 U	< 0.0883 U	< 0.0989 U	< 0.096 U	< 0.0873 U	< 0.0933 U	< 0.0889 U	< 0.0826 U	< 0.0982 U	< 0.0884 U	< 0.0862 U
Methyl tertiary butyl ether (MTBE)	1634-04-4	0.18	3.2	< 0.018 U	< 0.018 U	< 0.006 U	< 0.0056 U	< 0.0068 U	< 0.0044 U	<										

Table 2. VOC Concentrations Soil, RACER Trust, Indianapolis, Indiana
Indianapolis - Stamping

			Site Name	AOI 3	AOI 3	AOI 3	AOI 3	AOI 3	AOI 3	AOI 3	AOI 3	AOI 3	AOI 3	AOI 3	AOI 3	AOI 3	AOI 3	AOI 3	AOI 3	AOI 3	AOI 3	AOI 3	AOI 3	AOI 3	AOI 3
			Location ID	SB-03-1111	SB-03-1111	SB-03-1111	SB-03-1111	SB-03-1111	SB-03-1112	SB-03-1112	SB-03-1112	SB-03-1112	SB-03-1112	SB-03-1113	SB-03-1113	SB-03-1113	SB-03-1113	SB-03-1113	SB-03-1114	SB-03-1114	SB-03-1114	SB-03-1114	SB-03-1114	SB-03-1114	SB-03-1114
			Sample Date	9/6/2011	9/6/2011	9/6/2011	9/6/2011	9/6/2011	9/6/2011	9/6/2011	9/6/2011	9/6/2011	9/6/2011	9/6/2011	9/6/2011	9/6/2011	9/6/2011	9/6/2011	9/9/2011	9/9/2011	9/9/2011	9/9/2011	9/9/2011	9/9/2011	9/9/2011
			Depth Interval	0 - .5	.5 - 2	2 - 4	4 - 6	6 - 7	0 - .5	.5 - 2	2 - 4	4 - 6	6 - 8	0 - .5	.5 - 2	2 - 4	4 - 6	6 - 8	0 - .5	.5 - 2	2 - 4	4 - 6	6 - 8	8 - 10	10 - 11.5
			Sample Type Code	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Constituents ^o (mg/kg)	CAS No	Residential Closure Level ¹	Industrial Closure Level ²																						
1,1,1-Trichloroethane	71-55-6	1.9	280	< 0.0052 U	< 0.0047 U	0.0286	0.0119	0.0063	< 0.0049 U	0.0064	< 0.0047 U	< 0.0041 U	< 0.0042 U	0.0059	< 0.0041 U	< 0.0045 U	< 0.0045 U	< 0.0048 U	0.0297	8.72	0.0833	0.0239	0.01	0.011	0.0128
1,1,2,2-Tetrachloroethane	79-34-5	0.007	0.11	< 0.0052 U	< 0.0047 U	< 0.0042 U	< 0.0064 U	< 0.0048 U	< 0.0049 U	< 0.0051 U	< 0.0047 U	< 0.0041 U	< 0.0042 U	< 0.0045 U	< 0.0041 U	< 0.0045 U	< 0.0045 U	< 0.0048 U	< 0.0057 U	< 0.207 U	< 0.0043 U	< 0.0041 U	< 0.0045 U	< 0.0046 U	< 0.0039 U
1,1,2-Trichloroethane	79-00-5	0.03	0.3	< 0.0052 U	< 0.0047 U	< 0.0042 U	< 0.0064 U	< 0.0048 U	< 0.0049 U	< 0.0051 U	< 0.0047 U	< 0.0041 U	< 0.0042 U	< 0.0045 U	< 0.0041 U	< 0.0045 U	< 0.0045 U	< 0.0048 U	< 0.0057 U	< 0.207 U	< 0.0043 U	< 0.0041 U	< 0.0045 U	< 0.0046 U	< 0.0039 U
1,1-Dichloroethane	75-34-3	5.6	58	< 0.0052 U	< 0.0047 U	< 0.0042 U	< 0.0064 U	< 0.0048 U	< 0.0049 U	< 0.0051 U	< 0.0047 U	< 0.0041 U	< 0.0042 U	< 0.0045 U	< 0.0041 U	< 0.0045 U	< 0.0045 U	< 0.0048 U	< 0.0057 U	< 0.207 U	0.0063	< 0.0041 U	< 0.0045 U	< 0.0046 U	< 0.0039 U
1,1-Dichloroethylene	75-35-4	0.058	42	< 0.0052 U	< 0.0047 U	< 0.0042 U	< 0.0064 U	< 0.0048 U	< 0.0049 U	< 0.0051 U	< 0.0047 U	< 0.0041 U	< 0.0042 U	< 0.0045 U	< 0.0041 U	< 0.0045 U	< 0.0045 U	< 0.0048 U	< 0.0057 U	< 0.207 U	< 0.0043 U	< 0.0041 U	< 0.0045 U	< 0.0046 U	< 0.0039 U
1,2,4-Trichlorobenzene	120-82-1	5.3	77	< 0.0052 U	< 0.0047 U	< 0.0042 U	< 0.0064 U	< 0.0048 U	< 0.0049 U	< 0.0051 U	< 0.0047 U	< 0.0041 U	< 0.0042 U	< 0.0045 U	< 0.0041 U	< 0.0045 U	< 0.0045 U	< 0.0048 U	< 0.0057 U	< 0.207 U	< 0.0043 U	< 0.0041 U	< 0.0045 U	< 0.0046 U	< 0.0039 U
1,2-Dibromo-3-Chloropropane (DBCP)	96-12-8	NS	NS	< 0.0104 U	< 0.0095 U	< 0.0083 U	< 0.0127 U	< 0.0096 U	< 0.0098 U	< 0.0103 U	< 0.0094 U	< 0.0082 U	< 0.0083 U	< 0.0089 U	< 0.0081 U	< 0.009 U	< 0.009 U	< 0.0097 U	< 0.0115 U	< 0.415 U	< 0.0086 U	< 0.0081 U	< 0.0091 U	< 0.0091 U	< 0.0079 U
1,2-Dibromoethane (Ethylene Dibromide)	106-93-4	0.00034	0.0096	< 0.0052 U	< 0.0047 U	< 0.0042 U	< 0.0064 U	< 0.0048 U	< 0.0049 U	< 0.0051 U	< 0.0047 U	< 0.0041 U	< 0.0042 U	< 0.0045 U	< 0.0041 U	< 0.0045 U	< 0.0045 U	< 0.0048 U	< 0.0057 U	< 0.207 U	< 0.0043 U	< 0.0041 U	< 0.0045 U	< 0.0046 U	< 0.0039 U
1,2-Dichlorobenzene	95-50-1	17	220	< 0.0052 U	< 0.0047 U	< 0.0042 U	< 0.0064 U	< 0.0048 U	< 0.0049 U	< 0.0051 U	< 0.0047 U	< 0.0041 U	< 0.0042 U	< 0.0045 U	< 0.0041 U	< 0.0045 U	< 0.0045 U	< 0.0048 U	< 0.0057 U	< 0.207 U	< 0.0043 U	< 0.0041 U	< 0.0045 U	< 0.0046 U	< 0.0039 U
1,2-Dichloroethane	107-06-2	0.024	0.15	< 0.0052 U	< 0.0047 U	< 0.0042 U	< 0.0064 U	< 0.0048 U	< 0.0049 U	< 0.0051 U	< 0.0047 U	< 0.0041 U	< 0.0042 U	< 0.0045 U	< 0.0041 U	< 0.0045 U	< 0.0045 U	< 0.0048 U	< 0.0057 U	< 0.207 U	< 0.0043 U	< 0.0041 U	< 0.0045 U	< 0.0046 U	< 0.0039 U
1,2-Dichloropropane	78-87-5	0.03	0.25	< 0.0052 U	< 0.0047 U	< 0.0042 U	< 0.0064 U	< 0.0048 U	< 0.0049 U	< 0.0051 U	< 0.0047 U	< 0.0041 U	< 0.0042 U	< 0.0045 U	< 0.0041 U	< 0.0045 U	< 0.0045 U	< 0.0048 U	< 0.0057 U	< 0.207 U	< 0.0043 U	< 0.0041 U	< 0.0045 U	< 0.0046 U	< 0.0039 U
1,4-Dichlorobenzene	106-46-7	2.2	3.4	< 0.0052 U	< 0.0047 U	< 0.0042 U	< 0.0064 U	< 0.0048 U	< 0.0049 U	< 0.0051 U	< 0.0047 U	< 0.0041 U	< 0.0042 U	< 0.0045 U	< 0.0041 U	< 0.0045 U	< 0.0045 U	< 0.0048 U	< 0.0057 U	< 0.207 U	< 0.0043 U	< 0.0041 U	< 0.0045 U	< 0.0046 U	< 0.0039 U
1,4-Dioxane	123-91-1	NS	NS	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
2-Butanone	78-93-3	35	250	< 0.0261 U	< 0.0237 U	< 0.0209 U	< 0.0318 U	< 0.024 U	< 0.0244 U	< 0.0257 U	< 0.0236 U	< 0.0205 U	< 0.0208 U	< 0.0224 U	< 0.0203 U	< 0.0225 U	< 0.0226 U	< 0.0242 U	< 0.0287 U	< 1.04 U	< 0.0215 U	< 0.0203 U	< 0.0227 U	< 0.0228 U	< 0.0197 U
4-Methyl-2-pentanone	108-10-1	20	75	< 0.0261 U	< 0.0237 U	< 0.0209 U	< 0.0318 U	< 0.024 U	< 0.0244 U	< 0.0257 U	< 0.0236 U	< 0.0205 U	< 0.0208 U	< 0.0224 U	< 0.0203 U	< 0.0225 U	< 0.0226 U	< 0.0242 U	< 0.0287 U	< 1.04 U	< 0.0215 U	< 0.0203 U	< 0.0227 U	< 0.0228 U	< 0.0197 U
Acetone	67-64-1	28	370	0.14	< 0.0946 U	0.121	0.264	0.459	< 0.0976 U	< 0.103 U	< 0.0944 U	< 0.082 U	0.283	0.0951	< 0.0814 U	0.201	< 0.0903 U	< 0.0968 U	< 0.115 U	< 4.15 U	0.206	0.156	< 0.091 U	0.153	< 0.0788 U
Benzene	71-43-2	0.034	0.35	< 0.0052 U	< 0.0047 U	< 0.0042 U	< 0.0064 U	< 0.0048 U	< 0.0049 U	< 0.0051 U	< 0.0047 U	< 0.0041 U	< 0.0042 U	< 0.0045 U	< 0.0041 U	< 0.0045 U	< 0.0045 U	< 0.0048 U	< 0.0057 U	< 0.207 U	< 0.0043 U	< 0.0041 U	< 0.0045 U	< 0.0046 U	< 0.0039 U
Benzene, isopropyl	98-82-8	11	42	< 0.0052 U	< 0.0047 U	< 0.0042 U	< 0.0064 U	< 0.0048 U	< 0.0049 U	< 0.0051 U	< 0.0047 U	< 0.0041 U	< 0.0042 U	< 0.0045 U	< 0.0041 U	< 0.0045 U	< 0.0045 U	< 0.0048 U	< 0.0057 U	< 0.207 U	< 0.0043 U	< 0.0041 U	< 0.0045 U	< 0.0046 U	< 0.0039 U
Bromodichloromethane	75-27-4	0.51	0.51	< 0.0052 U	< 0.0047 U	< 0.0042 U	< 0.0064 U	< 0.0048 U	< 0.0049 U	< 0.0051 U	< 0.0047 U	< 0.0041 U	< 0.0042 U	< 0.0045 U	< 0.0041 U	< 0.0045 U	< 0.0045 U	< 0.0048 U	< 0.0057 U	< 0.207 U	< 0.0043 U	< 0.0041 U	< 0.0045 U	< 0.0046 U	< 0.0039 U
Bromomethane	74-83-9	0.052	0.7	< 0.0052 U	< 0.0047 U	< 0.0042 U	< 0.0064 U	< 0.0048 U	< 0.0049 U	< 0.0051 U	< 0.0047 U	< 0.0041 U	< 0.0042 U	< 0.0045 U	< 0.0041 U	< 0.0045 U	< 0.0045 U	< 0.0048 U	< 0.0057 U	< 0.207 U	< 0.0043 U	< 0.0041 U	< 0.0045 U	< 0.0046 U	< 0.0039 U
Carbon Disulfide	75-15-0	10	82	< 0.0104 U	< 0.0095 U	< 0.0083 U	< 0.0127 U	< 0.0096 U	< 0.0098 U	< 0.0103 U	< 0.0094 U	< 0.0082 U	< 0.0083 U	< 0.0089 U	< 0.0081 U	< 0.009 U	< 0.009 U	< 0.0097 U	< 0.0115 U	< 0.415 U	< 0.0086 U	< 0.0081 U	< 0.0091 U	< 0.0091 U	< 0.0079 U
Carbon Tetrachloride	56-23-5	0.066	0.29	< 0.0052 U	< 0.0047 U	< 0.0042 U	< 0.0064 U	< 0.0048 U	< 0.0049 U	< 0.0051 U	< 0.0047 U	< 0.0041 U	< 0.0042 U	< 0.0045 U	< 0.0041 U	< 0.0045 U	< 0.0045 U	< 0.0048 U	< 0.0057 U	< 0.207 U	< 0.0043 U	< 0.0041 U	< 0.0045 U	< 0.0046 U	< 0.0039 U
CFC-11	75-69-4	29	540	< 0.0052 U	< 0.0047 U	< 0.0042 U	< 0.0064 U	< 0.0048 U	< 0.0049 U	< 0.0051 U	< 0.0047 U	< 0.0041 U	< 0.0042 U	< 0.0045 U	< 0.0041 U	< 0.0045 U	< 0.0045 U	< 0.0048 U	< 0.0057 U	< 0.207 U	< 0.0043 U	< 0.0041 U	< 0.0045 U	< 0.0046 U	< 0.0039 U
CFC-12	75-71-8	NS	NS	< 0.0052 U	< 0.0047 U	< 0.0042 U	< 0.0064 U	< 0.0048 U	< 0.0049 U	< 0.0051 U	< 0.0047 U	< 0.0041 U	< 0.0042 U	< 0.0045 U	< 0.0041 U	< 0.0045 U	< 0.0045 U	< 0.0048 U	< 0.0057 U	< 0.207 U	< 0.0043 U	< 0.0041 U	< 0.0045 U	< 0.0046 U	< 0.0039 U
Chlorinated Fluorocarbon (FREON 113)	76-13-1	NS	NS	< 0.0052 U	< 0.0047 U	< 0.0042 U	< 0.0064 U	< 0.0048 U	< 0.0049 U	< 0.0051 U	< 0.0047 U	< 0.0041 U	< 0.0042 U	< 0.0045 U	< 0.0041 U	< 0.0045 U	< 0.0045 U	< 0.0048 U	< 0.0057 U	0.888	< 0.0043 U	< 0.0041 U	< 0.0045 U	< 0.0046 U	< 0.0039 U
Chlorobenzene	108-90-7	1.3	27	< 0.0052 U	< 0.0047 U	< 0.0042 U	< 0.0064 U	< 0.0048 U	< 0.0049 U	< 0.0051 U	< 0.0047 U	< 0.0041 U	< 0.0042 U	< 0.0045 U	< 0.0041 U	< 0.0045 U	< 0.0045 U	< 0.0048 U	< 0.0057 U	< 0.207 U	< 0.0043 U	< 0.0041 U	< 0.0045 U	< 0.0046 U	< 0.0039 U
Chlorodibromomethane	124-48-1	NS	NS	< 0.0052 U	< 0.0047 U	< 0.0042 U	< 0.0064 U	< 0.0048 U	< 0.0049 U	< 0.0051 U	< 0.0047 U	< 0.0041 U	< 0.0042 U	< 0.0045 U	< 0.0041 U	< 0.0045 U	< 0.0045 U	< 0.0048 U	< 0.0057 U	< 0.207 U	< 0.0043 U	< 0.0041 U	< 0.0045 U	< 0.0046 U	< 0.0039 U
Chloroethane	75-00-3	0.65	10	< 0.0052 U	< 0.0047 U	< 0.0042 U	< 0.0064 U	< 0.0048 U	< 0.0049 U	< 0.0051 U	< 0.0047 U	< 0.0041 U	< 0.0042 U	< 0.0045 U	< 0.0041 U	< 0.0045 U	< 0.0045 U	< 0.0048 U	< 0.0057 U	< 0.207 U	< 0.0043 U	< 0.0041 U	< 0.0045 U	< 0.0046 U	< 0.0039 U
Chloroform	67-66-3	0.47	4.7	< 0.0052 U	< 0.0047 U	0.0079	< 0.0064 U	< 0.0048 U	< 0.0049 U	< 0.0051 U	< 0.0047 U	< 0.0041 U	< 0.0042 U	< 0.0045 U	< 0.0041 U	< 0.0045 U	< 0.0045 U	< 0.0048 U	0.0065	0.838	0.0326	0.0116	< 0.0045 U	< 0.0046 U	0.0039
Chloromethane	74-87-3	NS	NS	< 0.0052 U	< 0.0047 U	< 0.0042 U	< 0.0064 U	< 0.0048 U	< 0.0049 U	< 0.0051 U	< 0.0047 U	< 0.0041 U	< 0.0042 U	< 0.0045 U	< 0.0041 U	< 0.0045 U	< 0.0045 U	< 0.0048 U	< 0.0057 U	< 0.207 U	< 0.0043 U	< 0.0041 U	< 0.0045 U	< 0.0046 U	< 0.0039 U
cis-1,2-Dichloroethene	156-59-2	0.4	5.8	< 0.0052 U	< 0.0047 U	<																			

Table 2. VOC Concentrations Soil, RACER Trust, Indianapolis, Indiana
Indianapolis - Stamping

			Site Name	AOI 3	AOI 3	AOI 3	AOI 3	AOI 3	AOI 3	AOI 3	AOI 3	AOI 3	AOI 3	AOI 3	AOI 3	AOI 3	AOI 3	AOI 4	AOI 4	AOI 4	AOI 5	AOI 5	AOI 5	AOI 5	
			Location ID	SB-03-1115	SB-03-1115	SB-03-1115	SB-03-1115	SB-03-1115	SB-03-1115	SB-03-1115	SB-03-1115	SB-03-1116	SB-03-1116	SB-03-1116	SB-03-1116	SB-03-1116	SB-03-1116	SB-04-1101	SB-04-1101	SB-04-1101	SB-05-1101	SB-05-1101	SB-05-1101	SB-05-1101	
			Sample Date	9/9/2011	9/9/2011	9/9/2011	9/9/2011	9/9/2011	9/9/2011	9/9/2011	9/9/2011	9/9/2011	9/9/2011	9/9/2011	9/9/2011	9/9/2011	9/9/2011	9/8/2011	9/8/2011	9/8/2011	5/18/2011	5/18/2011	5/18/2011	5/18/2011	
			Depth Interval	0 - .5	.5 - 2	2 - 4	4 - 6	6 - 8	8 - 10	10 - 11.5		0 - .5	.5 - 2	2 - 4	2 - 4	4 - 6	6 - 8	8 - 10	0 - .5	4 - 6	8 - 9	1.5 - 2	1.5 - 2	4 - 6	8 - 10
			Sample Type Code	N	N	N	N	N	N	N		N	N	N	FD	N	N	N	N	N	N	N	FD	N	N
Constituents ^o (mg/kg)	CAS No	Residential Closure Level ¹	Industrial Closure Level ²																						
1,1,1-Trichloroethane	71-55-6	1.9	280	< 0.0046 U	< 0.31 U	0.41	< 0.245 U	< 0.263 U	< 0.004 U	0.0045	0.0167	20	20.7	20.2	0.0623	0.0294	0.0292	---	---	---	0.048 J	0.0023 J	< 0.0043 U	< 0.0046 U	
1,1,2,2-Tetrachloroethane	79-34-5	0.007	0.11	< 0.0046 U	< 0.31 U	< 0.283 U	< 0.245 U	< 0.263 U	< 0.004 U	< 0.0045 U	< 0.0048 U	< 0.119 U	< 0.141 U	< 0.157 U	< 0.0051 U	< 0.0045 U	< 0.0041 U	---	---	---	< 0.24 U	< 0.0051 U	< 0.0043 U	< 0.0046 U	
1,1,2-Trichloroethane	79-00-5	0.03	0.3	< 0.0046 U	< 0.31 U	< 0.283 U	< 0.245 U	< 0.263 U	< 0.004 U	< 0.0045 U	< 0.0048 U	< 0.119 U	< 0.141 U	< 0.157 U	< 0.0051 U	< 0.0045 U	< 0.0041 U	---	---	---	< 0.24 U	< 0.0051 U	< 0.0043 U	< 0.0046 U	
1,1-Dichloroethane	75-34-3	5.6	58	< 0.0046 U	< 0.31 U	< 0.283 U	< 0.245 U	< 0.263 U	< 0.004 U	< 0.0045 U	< 0.0048 U	< 0.119 U	< 0.141 U	< 0.157 U	< 0.0051 U	< 0.0045 U	< 0.0041 U	---	---	---	< 0.24 U	< 0.0051 U	< 0.0043 U	< 0.0046 U	
1,1-Dichloroethylene	75-35-4	0.058	42	< 0.0046 U	< 0.31 U	< 0.283 U	< 0.245 U	< 0.263 U	< 0.004 U	< 0.0045 U	< 0.0048 U	< 0.119 U	< 0.141 U	< 0.157 U	< 0.0051 U	< 0.0045 U	< 0.0041 U	---	---	---	< 0.24 U	< 0.0051 U	< 0.0043 U	< 0.0046 U	
1,2,4-Trichlorobenzene	120-82-1	5.3	77	< 0.0046 U	< 0.31 U	< 0.283 U	< 0.245 U	< 0.263 U	< 0.004 U	< 0.0045 U	< 0.0048 U	< 0.119 U	< 0.141 U	< 0.157 U	< 0.0051 U	< 0.0045 U	< 0.0041 U	---	---	---	< 0.24 U	< 0.0051 U	< 0.0043 U	< 0.0046 U	
1,2-Dibromo-3-Chloropropane (DBCP)	96-12-8	NS	NS	< 0.0091 U	< 0.619 U	< 0.566 U	< 0.491 U	< 0.525 U	< 0.0079 U	< 0.0091 U	< 0.0095 U	< 0.239 U	< 0.282 U	< 0.314 U	< 0.0101 U	< 0.009 U	< 0.0083 U	---	---	---	< 0.48 U	< 0.01 U	< 0.0086 U	< 0.0093 U	
1,2-Dibromoethane (Ethylene Dibromide)	106-93-4	0.00034	0.0096	< 0.0046 U	< 0.31 U	< 0.283 U	< 0.245 U	< 0.263 U	< 0.004 U	< 0.0045 U	< 0.0048 U	< 0.119 U	< 0.141 U	< 0.157 U	< 0.0051 U	< 0.0045 U	< 0.0041 U	---	---	---	< 0.24 U	< 0.0051 U	< 0.0043 U	< 0.0046 U	
1,2-Dichlorobenzene	95-50-1	17	220	< 0.0046 U	< 0.31 U	< 0.283 U	< 0.245 U	< 0.263 U	< 0.004 U	< 0.0045 U	< 0.0048 U	< 0.119 U	< 0.141 U	< 0.157 U	< 0.0051 U	< 0.0045 U	< 0.0041 U	---	---	---	< 0.24 U	< 0.0051 U	< 0.0043 U	< 0.0046 U	
1,2-Dichloroethane	107-06-2	0.024	0.15	< 0.0046 U	< 0.31 U	< 0.283 U	< 0.245 U	< 0.263 U	< 0.004 U	< 0.0045 U	< 0.0048 U	< 0.119 U	< 0.141 U	< 0.157 U	< 0.0051 U	< 0.0045 U	< 0.0041 U	---	---	---	< 0.24 U	< 0.0051 U	< 0.0043 U	< 0.0046 U	
1,2-Dichloropropane	78-87-5	0.03	0.25	< 0.0046 U	< 0.31 U	< 0.283 U	< 0.245 U	< 0.263 U	< 0.004 U	< 0.0045 U	< 0.0048 U	< 0.119 U	< 0.141 U	< 0.157 U	< 0.0051 U	< 0.0045 U	< 0.0041 U	---	---	---	< 0.24 U	< 0.0051 U	< 0.0043 U	< 0.0046 U	
1,4-Dichlorobenzene	106-46-7	2.2	3.4	< 0.0046 U	< 0.31 U	< 0.283 U	< 0.245 U	< 0.263 U	< 0.004 U	< 0.0045 U	< 0.0048 U	< 0.119 U	< 0.141 U	< 0.157 U	< 0.0051 U	< 0.0045 U	< 0.0041 U	---	---	---	< 0.24 U	< 0.0051 U	< 0.0043 U	< 0.0046 U	
1,4-Dioxane	123-91-1	NS	NS	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	< 0.24 U	< 0.25 U	< 0.22 U	< 0.23 U
2-Butanone	78-93-3	35	250	< 0.0228 U	< 1.55 U	< 1.41 U	< 1.23 U	< 1.31 U	< 0.0199 U	< 0.0227 U	< 0.0238 U	< 0.596 U	< 0.704 U	< 0.784 U	< 0.0254 U	< 0.0225 U	< 0.0207 U	---	---	---	< 0.95 U	< 0.02 U	< 0.017 U	< 0.019 U	
4-Methyl-2-pentanone	108-10-1	20	75	< 0.0228 U	< 1.55 U	< 1.41 U	< 1.23 U	< 1.31 U	< 0.0199 U	< 0.0227 U	< 0.0238 U	< 0.596 U	< 0.704 U	< 0.784 U	< 0.0254 U	< 0.0225 U	< 0.0207 U	---	---	---	< 0.95 U	< 0.02 U	< 0.017 U	< 0.019 U	
Acetone	67-64-1	28	370	< 0.0913 U	< 6.19 U	< 5.66 U	< 4.91 U	< 5.25 U	0.0798	0.18	0.267	< 2.39 U	< 2.82 U	< 3.14 U	< 0.101 U	0.277	< 0.0827 U	---	---	---	0.2 JB	0.012 JB	0.0084 JB	0.011 JB	
Benzene	71-43-2	0.034	0.35	< 0.0046 U	< 0.31 U	< 0.283 U	< 0.245 U	< 0.263 U	< 0.004 U	< 0.0045 U	< 0.0048 U	< 0.119 U	< 0.141 U	< 0.157 U	< 0.0051 U	< 0.0045 U	< 0.0041 U	< 0.005 U	< 0.0047 U	< 0.0042 U	0.024 J	< 0.0051 U	< 0.0043 U	< 0.0046 U	
Benzene, isopropyl	98-82-8	11	42	< 0.0046 U	< 0.31 U	< 0.283 U	< 0.245 U	< 0.263 U	< 0.004 U	< 0.0045 U	< 0.0048 U	< 0.119 U	< 0.141 U	< 0.157 U	< 0.0051 U	< 0.0045 U	< 0.0041 U	---	---	---	< 0.24 U	< 0.0051 U	< 0.0043 U	< 0.0046 U	
Bromodichloromethane	75-27-4	0.51	0.51	< 0.0046 U	< 0.31 U	< 0.283 U	< 0.245 U	< 0.263 U	< 0.004 U	< 0.0045 U	< 0.0048 U	< 0.119 U	< 0.141 U	< 0.157 U	< 0.0051 U	< 0.0045 U	< 0.0041 U	---	---	---	< 0.24 U	< 0.0051 U	< 0.0043 U	< 0.0046 U	
Bromomethane	74-83-9	0.052	0.7	< 0.0046 U	< 0.31 U	< 0.283 U	< 0.245 U	< 0.263 U	< 0.004 U	< 0.0045 U	< 0.0048 U	< 0.119 U	< 0.141 U	< 0.157 U	< 0.0051 U	< 0.0045 U	< 0.0041 U	---	---	---	< 0.24 U	< 0.0051 U	< 0.0043 U	< 0.0046 U	
Carbon Disulfide	75-15-0	10	82	< 0.0091 U	< 0.619 U	< 0.566 U	< 0.491 U	< 0.525 U	< 0.0079 U	< 0.0091 U	< 0.0095 U	< 0.239 U	< 0.282 U	< 0.314 U	< 0.0101 U	< 0.009 U	< 0.0083 U	---	---	---	< 0.24 U	< 0.0051 U	0.00052 J	< 0.0046 U	
Carbon Tetrachloride	56-23-5	0.066	0.29	< 0.0046 U	< 0.31 U	< 0.283 U	< 0.245 U	< 0.263 U	< 0.004 U	< 0.0045 U	< 0.0048 U	< 0.119 U	< 0.141 U	< 0.157 U	< 0.0051 U	< 0.0045 U	< 0.0041 U	---	---	---	< 0.24 U	< 0.0051 U	< 0.0043 U	< 0.0046 U	
CFC-11	75-69-4	29	540	< 0.0046 U	< 0.31 U	< 0.283 U	< 0.245 U	< 0.263 U	< 0.004 U	< 0.0045 U	< 0.0048 U	< 0.119 U	< 0.141 U	< 0.157 U	< 0.0051 U	< 0.0045 U	< 0.0041 U	---	---	---	< 0.24 U	< 0.0051 U	< 0.0043 U	< 0.0046 U	
CFC-12	75-71-8	NS	NS	< 0.0046 U	< 0.31 U	< 0.283 U	< 0.245 U	< 0.263 U	< 0.004 U	< 0.0045 U	< 0.0048 U	< 0.119 U	< 0.141 U	< 0.157 U	< 0.0051 U	< 0.0045 U	< 0.0041 U	---	---	---	< 0.24 U	< 0.0051 U	< 0.0043 U	< 0.0046 U	
Chlorinated Fluorocarbon (FREON 113)	76-13-1	NS	NS	< 0.0046 U	< 0.31 U	< 0.283 U	< 0.245 U	< 0.263 U	< 0.004 U	< 0.0045 U	< 0.0048 U	< 0.119 U	< 0.141 U	< 0.157 U	< 0.0051 U	< 0.0045 U	< 0.0041 U	---	---	---	< 0.24 U	< 0.0051 U	< 0.0043 U	< 0.0046 U	
Chlorobenzene	108-90-7	1.3	27	< 0.0046 U	< 0.31 U	< 0.283 U	< 0.245 U	< 0.263 U	< 0.004 U	< 0.0045 U	< 0.0048 U	< 0.119 U	< 0.141 U	< 0.157 U	< 0.0051 U	< 0.0045 U	< 0.0041 U	---	---	---	< 0.24 U	< 0.0051 U	< 0.0043 U	< 0.0046 U	
Chlorodibromomethane	124-48-1	NS	NS	< 0.0046 U	< 0.31 U	< 0.283 U	< 0.245 U	< 0.263 U	< 0.004 U	< 0.0045 U	< 0.0048 U	< 0.119 U	< 0.141 U	< 0.157 U	< 0.0051 U	< 0.0045 U	< 0.0041 U	---	---	---	< 0.24 U	< 0.0051 U	< 0.0043 U	< 0.0046 U	
Chloroethane	75-00-3	0.65	10	< 0.0046 U	< 0.31 U	< 0.283 U	< 0.245 U	< 0.263 U	< 0.004 U	< 0.0045 U	< 0.0048 U	< 0.119 U	< 0.141 U	< 0.157 U	< 0.0051 U	< 0.0045 U	< 0.0041 U	---	---	---	< 0.24 U	< 0.0051 U	< 0.0043 U	< 0.0046 U	
Chloroform	67-66-3	0.47	4.7	< 0.0046 U	< 0.31 U	< 0.283 U	< 0.245 U	< 0.263 U	< 0.004 U	< 0.0045 U	< 0.0048 U	< 0.119 U	0.173	< 0.157 U	0.0079	0.0074	0.0066	---	---	---	< 0.24 U	< 0.0051 U	< 0.0043 U	< 0.0046 U	
Chloromethane	74-87-3	NS	NS	< 0.0046 U	< 0.31 U	< 0.283 U	< 0.245 U	< 0.263 U	< 0.004 U	< 0.0045 U	< 0.0048 U	< 0.119 U	< 0.141 U	< 0.157 U	< 0.0051 U	< 0.0045 U	< 0.0041 U	---	---	---	< 0.24 U	< 0.0051 U	< 0.0043 U	< 0.0046 U	
cis-1,2-Dichloroethene	156-59-2	0.4	5.8	< 0.0046 U	< 0.31 U	< 0.283 U	< 0.245 U	< 0.263 U	< 0.004 U	< 0.0045 U	< 0.0048 U	< 0.119 U	< 0.141 U	< 0.157 U	< 0.0051 U	< 0.0045 U	< 0.0041 U	---	---	---	< 0.24 U	< 0.0051 U	< 0.0043 U	< 0.0046 U	
cis-1,3-Dichloropropene	10061-01-5	0.04	0.2	< 0.0046 U	< 0.31 U	< 0.283 U	< 0.245 U	< 0.263 U	< 0.004 U	< 0.0045 U	< 0.0048 U	< 0.119 U	< 0.141 U	< 0.157 U	< 0.0051 U	< 0.0045 U	< 0.0041 U	---	---	---	< 0.24 U	< 0.0051 U	< 0.0043 U	< 0.0046 U	
Cyclohexane	110-82-7	69	69	< 0.0913 U	< 6.19 U	< 5.66 U	< 4.91 U	< 5.25 U	< 0.0795 U	< 0.091 U	< 0.0952 U	< 2.39 U	< 2.82 U	< 3.14 U	< 0.101 U	< 0.09 U	< 0.0827 U	---	---	---	< 0.48 U	< 0.01 U	< 0.0086 U	< 0.0093 U	
Ethylbenzene	100-41-4	13	160	< 0.0046 U	< 0.31 U	< 0.283 U	< 0.245 U	< 0.263 U	< 0.004 U	< 0.0045 U	< 0.0048 U	< 0.119 U	< 0.141 U	< 0.157 U	< 0.0051 U	< 0.0045 U	< 0.0041 U	< 0.005 U	< 0.0047 U	< 0.0042 U	< 0.24 U	< 0.0051 U	< 0.0043 U	< 0.0046 U	
m-Dichlorobenzene	541-73-1	2.3	8.9	< 0.0046 U	< 0.31 U	< 0.283 U	< 0.245 U	< 0.263 U	< 0.004 U	< 0.0045 U	< 0.0048 U	< 0.119 U	< 0.141 U	< 0.157 U	< 0.0051 U										

Table 2. VOC Concentrations Soil, RACER Trust, Indianapolis, Indiana
Indianapolis - Stamping

			Site Name	AOI 5	AOI 5	AOI 5	AOI 5	AOI 5	AOI 5	AOI 5	AOI 5	AOI 6	AOI 6	AOI 6	AOI 6	AOI 7	AOI 7	AOI 7	AOI 7	AOI 7	AOI 7	AOI 8	AOI 8
			Location ID	SB-05-1102	SB-05-1102	SB-05-1102	SB-05-1103	SB-05-1103	SB-05-1103	SB-05-1104	SB-05-1104	SB-06-1101	SB-06-1101	SB-06-1101	SB-06-1101	SB-07-1101	SB-07-1102	SB-07-1102	SB-07-1102	MW-1108	MW-1108	MW-1111	MW-1111
			Sample Date	5/19/2011	5/19/2011	5/19/2011	5/18/2011	5/18/2011	5/18/2011	5/19/2011	5/19/2011	5/24/2011	5/24/2011	5/24/2011	5/24/2011	5/24/2011	5/24/2011	5/24/2011	5/24/2011	5/19/2011	5/19/2011	5/20/2011	5/20/2011
			Depth Interval	1.3 - 1.8	2 - 4	8 - 10	1.2 - 1.7	4 - 6	8 - 10	1 - 1.5	6 - 10	.3 - 2.3	4 - 6	4 - 6	6 - 8	4 - 6	1.2 - 1.7	2 - 4	4 - 6	1.5 - 2	4 - 6	0 - 2	6 - 7
			Sample Type Code	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Constituents ^o (mg/kg)	CAS No	Residential Closure Level [†]	Industrial Closure Level [‡]																				
1,1,1-Trichloroethane	71-55-6	1.9	280	< 0.0045 U	< 0.0046 U	< 0.0048 U	< 0.0046 U	< 0.0047 U	< 0.0047 U	< 0.0047 U	< 0.0047 U	---	< 0.0038 U	---	---	< 0.0039 U	< 0.0058 U	< 0.0044 U	< 0.0045 U	< 0.0048 U	< 0.0051 U	< 0.0064 U	< 0.0054 U
1,1,2,2-Tetrachloroethane	79-34-5	0.007	0.11	< 0.0045 U	< 0.0046 U	< 0.0048 U	< 0.0046 U	< 0.0047 U	< 0.0047 U	< 0.0047 U	< 0.0047 U	---	< 0.0038 U	---	---	< 0.0039 U	< 0.0058 U	< 0.0044 U	< 0.0045 U	< 0.0048 U	< 0.0051 U	< 0.0064 U	< 0.0054 U
1,1,2-Trichloroethane	79-00-5	0.03	0.3	< 0.0045 U	< 0.0046 U	< 0.0048 U	< 0.0046 U	< 0.0047 U	< 0.0047 U	< 0.0047 U	< 0.0047 U	---	< 0.0038 U	---	---	< 0.0039 U	< 0.0058 U	< 0.0044 U	< 0.0045 U	< 0.0048 U	< 0.0051 U	< 0.0064 U	< 0.0054 U
1,1-Dichloroethane	75-34-3	5.6	58	< 0.0045 U	< 0.0046 U	< 0.0048 U	< 0.0046 U	< 0.0047 U	< 0.0047 U	< 0.0047 U	< 0.0047 U	---	< 0.0038 U	---	---	< 0.0039 U	< 0.0058 U	< 0.0044 U	< 0.0045 U	< 0.0048 U	< 0.0051 U	< 0.0064 U	< 0.0054 U
1,1-Dichloroethylene	75-35-4	0.058	42	< 0.0045 U	< 0.0046 U	< 0.0048 U	< 0.0046 U	< 0.0047 U	< 0.0047 U	< 0.0047 U	< 0.0047 U	---	< 0.0038 U	---	---	< 0.0039 U	< 0.0058 U	< 0.0044 U	< 0.0045 U	< 0.0048 U	< 0.0051 U	< 0.0064 U	< 0.0054 U
1,2,4-Trichlorobenzene	120-82-1	5.3	77	< 0.0045 U	< 0.0046 U	< 0.0048 U	< 0.0046 U	< 0.0047 U	< 0.0047 U	< 0.0047 U	< 0.0047 U	---	< 0.0038 U	---	---	< 0.0039 U	< 0.0058 U	< 0.0044 U	< 0.0045 U	< 0.0048 U	< 0.0051 U	< 0.0064 U	< 0.0054 U
1,2-Dibromo-3-Chloropropane (DBCP)	96-12-8	NS	NS	< 0.009 U	< 0.0092 U	< 0.0096 U	< 0.0091 U	< 0.0094 U	< 0.0093 U	< 0.0095 U	< 0.0097 U	---	< 0.0076 U	---	---	< 0.0078 U	< 0.012 U	< 0.0088 U	< 0.009 U	< 0.0096 U	< 0.01 U	< 0.013 U	< 0.011 U
1,2-Dibromoethane (Ethylene Dibromide)	106-93-4	0.00034	0.0096	< 0.0045 U	< 0.0046 U	< 0.0048 U	< 0.0046 U	< 0.0047 U	< 0.0047 U	< 0.0047 U	< 0.0047 U	---	< 0.0038 U	---	---	< 0.0039 U	< 0.0058 U	< 0.0044 U	< 0.0045 U	< 0.0048 U	< 0.0051 U	< 0.0064 U	< 0.0054 U
1,2-Dichlorobenzene	95-50-1	17	220	< 0.0045 U	< 0.0046 U	< 0.0048 U	< 0.0046 U	< 0.0047 U	< 0.0047 U	< 0.0047 U	< 0.0047 U	---	< 0.0038 U	---	---	< 0.0039 U	< 0.0058 U	< 0.0044 U	< 0.0045 U	< 0.0048 U	< 0.0051 U	< 0.0064 U	< 0.0054 U
1,2-Dichloroethane	107-06-2	0.024	0.15	< 0.0045 U	< 0.0046 U	< 0.0048 U	< 0.0046 U	< 0.0047 U	< 0.0047 U	< 0.0047 U	< 0.0047 U	---	< 0.0038 U	---	---	< 0.0039 U	< 0.0058 U	< 0.0044 U	< 0.0045 U	< 0.0048 U	< 0.0051 U	< 0.0064 U	< 0.0054 U
1,2-Dichloropropane	78-87-5	0.03	0.25	< 0.0045 U	< 0.0046 U	< 0.0048 U	< 0.0046 U	< 0.0047 U	< 0.0047 U	< 0.0047 U	< 0.0047 U	---	< 0.0038 U	---	---	< 0.0039 U	< 0.0058 U	< 0.0044 U	< 0.0045 U	< 0.0048 U	< 0.0051 U	< 0.0064 U	< 0.0054 U
1,4-Dichlorobenzene	106-46-7	2.2	3.4	< 0.0045 U	< 0.0046 U	< 0.0048 U	< 0.0046 U	< 0.0047 U	< 0.0047 U	< 0.0047 U	< 0.0047 U	---	< 0.0038 U	---	---	< 0.0039 U	< 0.0058 U	< 0.0044 U	< 0.0045 U	< 0.0048 U	< 0.0051 U	< 0.0064 U	< 0.0054 U
1,4-Dioxane	123-91-1	NS	NS	< 0.22 U	< 0.23 U	< 0.24 U	< 0.23 U	< 0.23 U	< 0.23 U	< 0.24 U	< 0.24 U	---	< 0.19 U	---	---	< 0.19 U	< 0.29 U	< 0.22 U	< 0.23 U	< 0.24 U	< 0.26 U	< 0.32 U	< 0.27 U
2-Butanone	78-93-3	35	250	0.0066 J	< 0.018 U	< 0.019 U	< 0.018 U	< 0.019 U	< 0.019 U	< 0.019 U	< 0.019 U	---	< 0.015 U	---	---	< 0.016 U	0.0088 J	0.022	< 0.018 U	< 0.019 U	< 0.021 U	< 0.026 U	< 0.021 U
4-Methyl-2-pentanone	108-10-1	20	75	< 0.018 U	< 0.018 U	< 0.019 U	< 0.018 U	< 0.019 U	< 0.019 U	< 0.019 U	< 0.019 U	---	< 0.015 U	---	---	< 0.016 U	< 0.023 U	< 0.018 U	< 0.018 U	< 0.019 U	< 0.021 U	< 0.026 U	< 0.021 U
Acetone	67-64-1	28	370	0.054 B	0.011 JB	0.0083 JB	0.0097 JB	0.011 JB	0.0093 JB	< 0.019 U	< 0.019 U	---	< 0.015 U	---	---	0.0051 JB	0.027 B	0.098 B	0.014 JB	< 0.019 U	0.018 JB	0.013 JB	0.013 JB
Benzene	71-43-2	0.034	0.35	< 0.0045 U	< 0.0046 U	< 0.0048 U	< 0.0046 U	< 0.0047 U	< 0.0047 U	< 0.0047 U	< 0.0047 U	---	< 0.0038 U	---	---	< 0.0039 U	< 0.0058 U	< 0.0044 U	< 0.0045 U	< 0.0048 U	< 0.0051 U	< 0.0064 U	< 0.0054 U
Benzene, isopropyl	98-82-8	11	42	< 0.0045 U	< 0.0046 U	< 0.0048 U	< 0.0046 U	< 0.0047 U	< 0.0047 U	< 0.0047 U	< 0.0047 U	---	< 0.0038 U	---	---	< 0.0039 U	< 0.0058 U	< 0.0044 U	< 0.0045 U	< 0.0048 U	< 0.0051 U	< 0.0064 U	< 0.0054 U
Bromodichloromethane	75-27-4	0.51	0.51	< 0.0045 U	< 0.0046 U	< 0.0048 U	< 0.0046 U	< 0.0047 U	< 0.0047 U	< 0.0047 U	< 0.0047 U	---	< 0.0038 U	---	---	< 0.0039 U	< 0.0058 U	< 0.0044 U	< 0.0045 U	< 0.0048 U	< 0.0051 U	< 0.0064 U	< 0.0054 U
Bromomethane	74-83-9	0.052	0.7	< 0.0045 U	< 0.0046 U	< 0.0048 U	< 0.0046 U	< 0.0047 U	< 0.0047 U	< 0.0047 U	< 0.0047 U	---	< 0.0038 U	---	---	< 0.0039 U	< 0.0058 U	< 0.0044 U	< 0.0045 U	< 0.0048 U	< 0.0051 U	< 0.0064 U	< 0.0054 U
Carbon Disulfide	75-15-0	10	82	0.00046 J	< 0.0046 U	< 0.0048 U	< 0.0046 U	< 0.0047 U	< 0.0047 U	< 0.0047 U	0.00076 J	---	< 0.0038 U	---	---	< 0.0039 U	0.001 J	0.00045 J	< 0.0045 U	< 0.0048 U	< 0.0051 U	0.00064 J	< 0.0054 U
Carbon Tetrachloride	56-23-5	0.066	0.29	< 0.0045 U	< 0.0046 U	< 0.0048 U	< 0.0046 U	< 0.0047 U	< 0.0047 U	< 0.0047 U	< 0.0047 U	---	< 0.0038 U	---	---	< 0.0039 U	< 0.0058 U	< 0.0044 U	< 0.0045 U	< 0.0048 U	< 0.0051 U	< 0.0064 U	< 0.0054 U
CFC-11	75-69-4	29	540	< 0.0045 U	< 0.0046 U	< 0.0048 U	< 0.0046 U	< 0.0047 U	< 0.0047 U	< 0.0047 U	< 0.0047 U	---	< 0.0038 U	---	---	< 0.0039 U	< 0.0058 U	< 0.0044 U	< 0.0045 U	< 0.0048 U	< 0.0051 U	< 0.0064 U	< 0.0054 U
CFC-12	75-71-8	NS	NS	< 0.0045 U	< 0.0046 U	< 0.0048 U	< 0.0046 U*	< 0.0047 U*	< 0.0047 U*	< 0.0047 U	< 0.0049 U	---	< 0.0038 U	---	---	< 0.0039 U	< 0.0058 U	< 0.0044 U	< 0.0045 U	< 0.0048 U	< 0.0051 U	< 0.0064 U	< 0.0054 U
Chlorinated Fluorocarbon (FREON 113)	76-13-1	NS	NS	< 0.0045 U	< 0.0046 U	< 0.0048 U	< 0.0046 U	< 0.0047 U	< 0.0047 U	< 0.0047 U	< 0.0049 U	---	< 0.0038 U	---	---	< 0.0039 U	< 0.0058 U	< 0.0044 U	< 0.0045 U	< 0.0048 U	< 0.0051 U	< 0.0064 U	< 0.0054 U
Chlorobenzene	108-90-7	1.3	27	< 0.0045 U	< 0.0046 U	< 0.0048 U	< 0.0046 U	< 0.0047 U	< 0.0047 U	< 0.0047 U	< 0.0049 U	---	< 0.0038 U	---	---	< 0.0039 U	< 0.0058 U	< 0.0044 U	< 0.0045 U	< 0.0048 U	< 0.0051 U	< 0.0064 U	< 0.0054 U
Chlorodibromomethane	124-48-1	NS	NS	< 0.0045 U	< 0.0046 U	< 0.0048 U	< 0.0046 U	< 0.0047 U	< 0.0047 U	< 0.0047 U	< 0.0049 U	---	< 0.0038 U	---	---	< 0.0039 U	< 0.0058 U	< 0.0044 U	< 0.0045 U	< 0.0048 U	< 0.0051 U	< 0.0064 U	< 0.0054 U
Chloroethane	75-00-3	0.65	10	< 0.0045 U	< 0.0046 U	< 0.0048 U	< 0.0046 U	< 0.0047 U	< 0.0047 U	< 0.0047 U	< 0.0049 U	---	< 0.0038 U*	---	---	< 0.0039 U*	< 0.0058 U*	< 0.0044 U*	< 0.0045 U	< 0.0048 U*	< 0.0051 U	< 0.0064 U*	< 0.0054 U*
Chloroform	67-66-3	0.47	4.7	< 0.0045 U	< 0.0046 U	< 0.0048 U	< 0.0046 U	< 0.0047 U	< 0.0047 U	< 0.0047 U	< 0.0049 U	---	< 0.0038 U	---	---	< 0.0039 U	0.0005 J	< 0.0044 U	< 0.0045 U	< 0.0048 U	< 0.0051 U	< 0.0064 U	< 0.0054 U
Chloromethane	74-87-3	NS	NS	< 0.0045 U	< 0.0046 U	< 0.0048 U	< 0.0046 U	< 0.0047 U	< 0.0047 U	< 0.0047 U	< 0.0049 U	---	< 0.0038 U	---	---	< 0.0039 U	< 0.0058 U*	< 0.0044 U	< 0.0045 U	< 0.0048 U	< 0.0051 U	< 0.0064 U	< 0.0054 U
cis-1,2-Dichloroethene	156-59-2	0.4	5.8	< 0.0045 U	< 0.0046 U	< 0.0048 U	< 0.0046 U	< 0.0047 U	< 0.0047 U	< 0.0047 U	< 0.0049 U	---	< 0.0038 U	---	---	< 0.0039 U	< 0.0058 U	< 0.0044 U	< 0.0045 U	< 0.0048 U	< 0.0051 U	< 0.0064 U	< 0.0054 U
cis-1,3-Dichloropropene	10061-01-5	0.04	0.2	< 0.0045 U	< 0.0046 U	< 0.0048 U	< 0.0046 U	< 0.0047 U	< 0.0047 U	< 0.0047 U	< 0.0049 U	---	< 0.0038 U	---	---	< 0.0039 U	< 0.0058 U	< 0.0044 U	< 0.0045 U	< 0.0048 U	< 0.0051 U	< 0.0064 U	< 0.0054 U
Cyclohexane	110-82-7	69	69	< 0.009 U*	< 0.0092 U	< 0.0096 U	< 0.0091 U*	< 0.0094 U*	< 0.0093 U*	< 0.0095 U	< 0.0097 U	---	< 0.0076 U*	---	---	< 0.0078 U*	< 0.012 U*	< 0.0088 U*	< 0.009 U	< 0.0096 U*	< 0.01 U*	< 0.013 U*	< 0.011 U*
Ethylbenzene	100-41-4	13	160	< 0.0045 U	< 0.0046 U	< 0.0048 U	< 0.0046 U	< 0.0047 U	< 0.0047 U	< 0.0047 U	< 0.0049 U	---	< 0.0038 U	---	---	< 0.0039 U	< 0.0058 U	< 0.0044 U	< 0.0045 U	< 0.0048 U	< 0.0051 U	< 0.0064 U	< 0.0054 U
m-Dichlorobenzene	541-73-1	2.3	8.9	< 0.0045 U	< 0.0046 U	< 0.0048 U	< 0.0046 U	< 0.0047 U	< 0.0047 U	< 0.0047 U	< 0.0049 U	---	< 0.0038 U	---	---	< 0.0039 U	< 0.0058 U	< 0.0044 U	< 0.0045 U	< 0.0048 U	< 0.0051 U	< 0.0064 U	< 0.0054 U
Methylene Chloride	75-09-2	0.023	1.8	< 0.0045 U	0.00063 JB	< 0.0048 U	< 0.0046 U	< 0.0047 U	< 0.0047 U	< 0.0047 U	< 0.0049 U	---	0.0019 JB	---	---	0.0021 JB	0.0052 JB	0.0026 JB	0.0014 JB				

Table 2. VOC Concentrations Soil, RACER Trust, Indianapolis, Indiana
Indianapolis - Stamping

			Site Name	AOI 9	AOI 9	AOI 9	AOI 9	AOI 9	AOI 9	AOI 10	AOI 10	AOI 10	AOI 10	AOI 10	AOI 10	AOI 11	AOI 11	AOI 11	AOI 11	AOI 11	AOI 11	AOI 11	AOI 11	
			Location ID	SB-09-1101	SB-09-1101	SB-09-1101	SB-09-1101	SB-09-1102	SB-09-1102	SB-10-1101	SB-10-1101	SB-10-1101	SB-10-1102	SB-10-1102	SB-10-1102	SB-11-1101	SB-11-1101	SB-11-1101	SB-11-1102	SB-11-1102	SB-11-1102	SB-11-1102	SB-11-1102	
			Sample Date	5/24/2011	5/26/2011	5/26/2011	5/26/2011	5/26/2011	5/26/2011	5/25/2011	5/25/2011	5/25/2011	5/25/2011	5/25/2011	5/25/2011	5/24/2011	5/24/2011	5/24/2011	9/6/2011	9/6/2011	9/6/2011	9/6/2011	9/6/2011	
			Depth Interval	1 - 1.5	1 - 1.5	4 - 6	6 - 7	2 - 2.5	6 - 7.5	1.5 - 2	4 - 6	6 - 8	1.5 - 2	4 - 6	6 - 8	1.5 - 2	2 - 4	6 - 8	0 - .5	.5 - 2	2 - 4	4 - 6	6 - 7	
			Sample Type Code	N	FD	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	
Constituents ^o (mg/kg)	CAS No	Residential Closure Level ¹	Industrial Closure Level ²																					
1,1,1-Trichloroethane	71-55-6	1.9	280	< 0.0046 U	---	---	---	---	---	---	---	---	---	---	---	< 2 U	< 0.6 U	< 0.0042 U	< 0.005 U	< 0.0052 U	< 0.0098 U	< 0.0054 U	< 0.0046 U	< 0.0048 U
1,1,2,2-Tetrachloroethane	79-34-5	0.007	0.11	< 0.0046 U	---	---	---	---	---	---	---	---	---	---	---	< 2 U	< 0.6 U	< 0.0042 U	< 0.005 U	< 0.0052 U	< 0.0098 U	< 0.0054 U	< 0.0046 U	< 0.0048 U
1,1,2-Trichloroethane	79-00-5	0.03	0.3	< 0.0046 U	---	---	---	---	---	---	---	---	---	---	---	< 2 U	< 0.6 U	< 0.0042 U	< 0.005 U	< 0.0052 U	< 0.0098 U	< 0.0054 U	< 0.0046 U	< 0.0048 U
1,1-Dichloroethane	75-34-3	5.6	58	< 0.0046 U	---	---	---	---	---	---	---	---	---	---	---	< 2 U	< 0.6 U	< 0.0042 U	< 0.005 U	< 0.0052 U	< 0.0098 U	< 0.0054 U	< 0.0046 U	< 0.0048 U
1,1-Dichloroethylene	75-35-4	0.058	42	< 0.0046 U	---	---	---	---	---	---	---	---	---	---	---	< 2 U	< 0.6 U	< 0.0042 U	< 0.005 U	< 0.0052 U	< 0.0098 U	< 0.0054 U	< 0.0046 U	< 0.0048 U
1,2,4-Trichlorobenzene	120-82-1	5.3	77	< 0.0046 U	---	---	---	---	---	---	---	---	---	---	---	< 2 U	< 0.6 U	< 0.0042 U	< 0.005 U	< 0.0052 U	< 0.0098 U	< 0.0054 U	< 0.0046 U	< 0.0048 U
1,2-Dibromo-3-Chloropropane (DBCP)	96-12-8	NS	NS	< 0.0091 U	---	---	---	---	---	---	---	---	---	---	---	< 4 U	< 1.2 U	< 0.0084 U	< 0.01 U	< 0.0103 U	< 0.0196 U	< 0.0108 U	< 0.0092 U	< 0.0096 U
1,2-Dibromoethane (Ethylene Dibromide)	106-93-4	0.00034	0.0096	< 0.0046 U	---	---	---	---	---	---	---	---	---	---	---	< 2 U	< 0.6 U	< 0.0042 U	< 0.005 U	< 0.0052 U	< 0.0098 U	< 0.0054 U	< 0.0046 U	< 0.0048 U
1,2-Dichlorobenzene	95-50-1	17	220	< 0.0046 U	---	---	---	---	---	---	---	---	---	---	---	< 2 U	< 0.6 U	< 0.0042 U	< 0.005 U	< 0.0052 U	< 0.0098 U	< 0.0054 U	< 0.0046 U	< 0.0048 U
1,2-Dichloroethane	107-06-2	0.024	0.15	< 0.0046 U	---	---	---	---	---	---	---	---	---	---	---	< 2 U	< 0.6 U	< 0.0042 U	< 0.005 U	< 0.0052 U	< 0.0098 U	< 0.0054 U	< 0.0046 U	< 0.0048 U
1,2-Dichloropropane	78-87-5	0.03	0.25	< 0.0046 U	---	---	---	---	---	---	---	---	---	---	---	< 2 U	< 0.6 U	< 0.0042 U	< 0.005 U	< 0.0052 U	< 0.0098 U	< 0.0054 U	< 0.0046 U	< 0.0048 U
1,4-Dichlorobenzene	106-46-7	2.2	3.4	< 0.0046 U	---	---	---	---	---	---	---	---	---	---	---	< 2 U	< 0.6 U	< 0.0042 U	< 0.005 U	< 0.0052 U	< 0.0098 U	< 0.0054 U	< 0.0046 U	< 0.0048 U
1,4-Dioxane	123-91-1	NS	NS	< 0.23 U	---	---	---	---	---	---	---	---	---	---	---	< 200 U	< 60 U	< 0.21 U	---	---	---	---	---	---
2-Butanone	78-93-3	35	250	0.014 J	---	---	---	---	---	---	---	---	---	---	---	< 8 U	< 2.4 U	< 0.017 U	< 0.0249 U	< 0.0258 U	< 0.049 U	< 0.027 U	< 0.023 U	< 0.024 U
4-Methyl-2-pentanone	108-10-1	20	75	0.0011 JB	---	---	---	---	---	---	---	---	---	---	---	< 8 U	< 2.4 U	< 0.017 U	< 0.0249 U	< 0.0258 U	< 0.049 U	< 0.027 U	< 0.023 U	< 0.024 U
Acetone	67-64-1	28	370	0.078 B	---	---	---	---	---	---	---	---	---	---	---	< 8 U	< 2.4 U	< 0.017 U	< 0.0996 U	0.209	0.366	< 0.108 U	< 0.092 U	< 0.0959 U
Benzene	71-43-2	0.034	0.35	< 0.0046 U	< 0.0048 U	< 0.005 U	< 0.0046 U	< 0.0043 UH	< 0.0048 U	< 0.004 U	< 0.0041 U	< 0.0042 U	< 0.0039 U	< 0.0047 U	< 0.0045 U	< 2 U	< 0.6 U	< 0.0042 U	< 0.005 U	< 0.0052 U	< 0.0098 U	< 0.0054 U	< 0.0046 U	< 0.0048 U
Benzene, isopropyl	98-82-8	11	42	< 0.0046 U	---	---	---	---	---	---	---	---	---	---	---	0.078 J	0.044 J	< 0.0042 U	< 0.005 U	< 0.0052 U	< 0.0098 U	< 0.0054 U	< 0.0046 U	< 0.0048 U
Bromodichloromethane	75-27-4	0.51	0.51	< 0.0046 U	---	---	---	---	---	---	---	---	---	---	---	< 2 U	< 0.6 U	< 0.0042 U	< 0.005 U	< 0.0052 U	< 0.0098 U	< 0.0054 U	< 0.0046 U	< 0.0048 U
Bromomethane	74-83-9	0.052	0.7	< 0.0046 U	---	---	---	---	---	---	---	---	---	---	---	< 2 U	< 0.6 U	< 0.0042 U	< 0.005 U	< 0.0052 U	< 0.0098 U	< 0.0054 U	< 0.0046 U	< 0.0048 U
Carbon Disulfide	75-15-0	10	82	< 0.0046 U	---	---	---	---	---	---	---	---	---	---	---	< 2 U	< 0.6 U	< 0.0042 U	< 0.01 U	< 0.0103 U	< 0.0196 U	< 0.0108 U	< 0.0092 U	< 0.0096 U
Carbon Tetrachloride	56-23-5	0.066	0.29	< 0.0046 U	---	---	---	---	---	---	---	---	---	---	---	< 2 U	< 0.6 U	< 0.0042 U	< 0.005 U	< 0.0052 U	< 0.0098 U	< 0.0054 U	< 0.0046 U	< 0.0048 U
CFC-11	75-69-4	29	540	< 0.0046 U	---	---	---	---	---	---	---	---	---	---	---	< 2 U	< 0.6 U	< 0.0042 U	< 0.005 U	< 0.0052 U	< 0.0098 U	< 0.0054 U	< 0.0046 U	< 0.0048 U
CFC-12	75-71-8	NS	NS	< 0.0046 U	---	---	---	---	---	---	---	---	---	---	---	< 2 U	< 0.6 U	< 0.0042 U	< 0.005 U	< 0.0052 U	< 0.0098 U	< 0.0054 U	< 0.0046 U	< 0.0048 U
Chlorinated Fluorocarbon (FREON 113)	76-13-1	NS	NS	< 0.0046 U	---	---	---	---	---	---	---	---	---	---	---	< 2 U	< 0.6 U	< 0.0042 U	< 0.005 U	< 0.0052 U	< 0.0098 U	< 0.0054 U	< 0.0046 U	< 0.0048 U
Chlorobenzene	108-90-7	1.3	27	< 0.0046 U	---	---	---	---	---	---	---	---	---	---	---	< 2 U	< 0.6 U	< 0.0042 U	< 0.005 U	< 0.0052 U	< 0.0098 U	< 0.0054 U	< 0.0046 U	< 0.0048 U
Chlorodibromomethane	124-48-1	NS	NS	< 0.0046 U	---	---	---	---	---	---	---	---	---	---	---	< 2 U	< 0.6 U	< 0.0042 U	< 0.005 U	< 0.0052 U	< 0.0098 U	< 0.0054 U	< 0.0046 U	< 0.0048 U
Chloroethane	75-00-3	0.65	10	< 0.0046 U*	---	---	---	---	---	---	---	---	---	---	---	< 2 U*	< 0.6 U*	< 0.0042 U*	< 0.005 U	< 0.0052 U	< 0.0098 U	< 0.0054 U	< 0.0046 U	< 0.0048 U
Chloroform	67-66-3	0.47	4.7	< 0.0046 U	---	---	---	---	---	---	---	---	---	---	---	< 2 U	< 0.6 U	< 0.0042 U	< 0.005 U	< 0.0052 U	< 0.0098 U	< 0.0054 U	< 0.0046 U	< 0.0048 U
Chloromethane	74-87-3	NS	NS	< 0.0046 U	---	---	---	---	---	---	---	---	---	---	---	< 2 U	< 0.6 U	< 0.0042 U	< 0.005 U	< 0.0052 U	< 0.0098 U	< 0.0054 U	< 0.0046 U	< 0.0048 U
cis-1,2-Dichloroethene	156-59-2	0.4	5.8	< 0.0046 U	---	---	---	---	---	---	---	---	---	---	---	0.9 J	1.7	0.00038 J	< 0.005 U	< 0.0052 U	< 0.0098 U	< 0.0054 U	< 0.0046 U	< 0.0048 U
cis-1,3-Dichloropropene	10061-01-5	0.04	0.2	< 0.0046 U	---	---	---	---	---	---	---	---	---	---	---	< 2 U	< 0.6 U	< 0.0042 U	< 0.005 U	< 0.0052 U	< 0.0098 U	< 0.0054 U	< 0.0046 U	< 0.0048 U
Cyclohexane	110-82-7	69	69	0.00064 J*	---	---	---	---	---	---	---	---	---	---	---	< 4 U	< 1.2 U	< 0.0084 U*	< 0.0996 U	< 0.103 U	< 0.196 U	< 0.108 U	< 0.092 U	< 0.0959 U
Ethylbenzene	100-41-4	13	160	0.00029 J	< 0.0048 U	< 0.005 U	< 0.0046 U	< 0.0043 UH	< 0.0048 U	< 0.004 U	< 0.0041 U	< 0.0042 U	< 0.0039 U	< 0.0047 U	< 0.0045 U	0.18 J	0.085 J	< 0.0042 U	< 0.005 U	< 0.0052 U	< 0.0098 U	< 0.0054 U	< 0.0046 U	< 0.0048 U
m-Dichlorobenzene	541-73-1	2.3	8.9	< 0.0046 U	---	---	---	---	---	---	---	---	---	---	---	< 2 U	< 0.6 U	< 0.0042 U	< 0.005 U	< 0.0052 U	< 0.0098 U	< 0.0054 U	< 0.0046 U	< 0.0048 U
Methylene Chloride	75-09-2	0.023	1.8	0.0022 JB	---	---	---	---	---	---	---	---	---	---	---	2.1 B	0.69 B	0.0016 JB	< 0.0199 U	< 0.0206 U	< 0.0392 U	< 0.0216 U	< 0.0184 U	< 0.0192 U
Methyl acetate	79-20-9	NS	NS	< 0.0091 U	---	---	---	---	---	---	---	---	---	---	---	0.63 J	0.26 J	< 0.0084 U	< 0.005 U	< 0.0052 U	< 0.0098 U	< 0.0054 U	< 0.0046 U	< 0.0048 U
Methyl N-Butyl Ketone	591-78-6	NS	NS	0.0017 J	---	---	---	---	---	---	---	---	---	---	---	< 8 U	< 2.4 U	< 0.017 U	< 0.0996 U	< 0.103 U	< 0.196 U	< 0.108 U	< 0.092 U	< 0.0959 U
Methyl tertiary butyl ether (MTBE)	1634-04-4	0.18	3.2	< 0.018 U	< 0.019 U	< 0.02 U	< 0.018 U	< 0.017 UH	< 0.019 U	< 0.016 U	< 0.016 U	< 0.017 U	< 0.016 U	< 0.019 U	< 0.018 U	< 8 U	< 2.4 U	< 0.017 U	< 0.005 U	< 0.0052 U	< 0.0098 U	< 0.0054 U	< 0.0046 U	< 0.0048 U
Methylcyclohexane	108-87-2	NS	NS	0.0016 J	---	---	---	---	---	---	---	---	---	---	---	0.74 J	0.4 J	< 0.0084 U	< 0.005 U	< 0.0052 U	< 0.0098 U	< 0.0054 U	< 0.0046 U	< 0.0048 U
Naphthalene	91-20-3	0.7	170	0.00022 JB	0.00024 JB	< 0.005 U	< 0.0046 U	< 0.0043 UH	0.00033 JB	---	---	---	---	---	---	0.18 JB	0.095 JB	< 0.0042 U	---	---	---	---	---	---
Styrene (Monomer)	100-42-5	3.5	550	< 0.0046 U	---	---	---	---	---	---	---	---	---	---	---	< 2 U	< 0.6 U	< 0.0042 U	< 0.005 U	< 0.0052 U	< 0.0098 U	< 0.0054 U	< 0.0046 U	< 0.0048 U
Tetrachloroethene	127-18-4	0.058	0.64	< 0.0046 U	---	---	---	---	---	---	---	---	---	---	---	6	5.2	0.042	< 0.005 U	< 0.0052 U	< 0.0098 U	< 0.0054 U	< 0.0046 U	0.01
Toluene	108-88-3	12	96	0.00074 J	0.00072 J	< 0.005 U	0.00026 J	< 0.0043 UH	0.00033 J	< 0.004 U	0.00025 J	< 0.0042 U	0.00022 J	< 0.0047 U	< 0.0045 U	< 2 U*	0.1 J*B	< 0.0042 U	< 0.005 U	< 0.0052 U	< 0.0098 U	< 0.0054 U	< 0.0046 U	< 0.0048 U
trans-1,2-Dichloroethene	156-60-5	0.68	14	< 0.0046 U	---	---	---	---	---	---	---	---	---	---	---	0.32 J	0.37 J	< 0.0042 U	< 0.005 U	&				

Table 2. VOC Concentrations Soil, RACER Trust, Indianapolis, Indiana
Indianapolis - Stamping

			Site Name	AOI 11	AOI 11	AOI 11	AOI 11	AOI 11	AOI 11	AOI 15	AOI 15	AOI 15	AOI 17	AOI 17	AOI 17
			Location ID	SB-11-1104	SB-11-1104	SB-11-1104	SB-11-1104	SB-11-1104	SB-11-1104	SB-15-1101	SB-15-1101	SB-15-1101	MW-1112	MW-1112	MW-1112
			Sample Date	9/7/2011	9/7/2011	9/7/2011	9/7/2011	9/7/2011	9/7/2011	5/24/2011	5/24/2011	5/24/2011	5/17/2011	5/17/2011	5/17/2011
			Depth Interval	0 - .5	.5 - 2	2 - 4	4 - 6	6 - 7	6 - 7	4 - 6	6 - 8	8 - 10	.7 - 1.2	2 - 4	8 - 10
			Sample Type Code	N	N	N	N	N	FD	N	N	N	N	N	N
Constituents ^o (mg/kg)	CAS No	Residential Closure Level [†]	Industrial Closure Level [‡]												
1,1,1-Trichloroethane	71-55-6	1.9	280	< 0.0043 U	< 0.0044 U	< 0.0044 U	< 0.0051 U	< 0.0046 U	< 0.0045 U	< 0.0037 U	< 0.0042 U	< 0.0045 U	< 0.0044 U	< 0.0041 U	< 0.0045 U
1,1,2,2-Tetrachloroethane	79-34-5	0.007	0.11	< 0.0043 U	< 0.0044 U	< 0.0044 U	< 0.0051 U	< 0.0046 U	< 0.0045 U	< 0.0037 U	< 0.0042 U	< 0.0045 U	< 0.0044 U	< 0.0041 U	< 0.0045 U
1,1,2-Trichloroethane	79-00-5	0.03	0.3	< 0.0043 U	< 0.0044 U	< 0.0044 U	< 0.0051 U	< 0.0046 U	< 0.0045 U	< 0.0037 U	< 0.0042 U	< 0.0045 U	< 0.0044 U	< 0.0041 U	< 0.0045 U
1,1-Dichloroethane	75-34-3	5.6	58	< 0.0043 U	< 0.0044 U	< 0.0044 U	< 0.0051 U	< 0.0046 U	< 0.0045 U	< 0.0037 U	< 0.0042 U	< 0.0045 U	< 0.0044 U	< 0.0041 U	< 0.0045 U
1,1-Dichloroethylene	75-35-4	0.058	42	< 0.0043 U	< 0.0044 U	< 0.0044 U	< 0.0051 U	< 0.0046 U	< 0.0045 U	< 0.0037 U	< 0.0042 U	< 0.0045 U	< 0.0044 U	< 0.0041 U	< 0.0045 U
1,2,4-Trichlorobenzene	120-82-1	5.3	77	< 0.0043 U	< 0.0044 U	< 0.0044 U	< 0.0051 U	< 0.0046 U	< 0.0045 U	< 0.0037 U	< 0.0042 U	< 0.0045 U	< 0.0044 U	< 0.0041 U	< 0.0045 U
1,2-Dibromo-3-Chloropropane (DBCP)	96-12-8	NS	NS	< 0.0086 U	< 0.0088 U	< 0.0088 U	< 0.0101 U	< 0.0091 U	< 0.0091 U	< 0.0073 U	< 0.0083 U	< 0.0091 U	< 0.0089 U	< 0.0081 U	< 0.0089 U
1,2-Dibromoethane (Ethylene Dibromide)	106-93-4	0.00034	0.0096	< 0.0043 U	< 0.0044 U	< 0.0044 U	< 0.0051 U	< 0.0046 U	< 0.0045 U	< 0.0037 U	< 0.0042 U	< 0.0045 U	< 0.0044 U	< 0.0041 U	< 0.0045 U
1,2-Dichlorobenzene	95-50-1	17	220	< 0.0043 U	< 0.0044 U	< 0.0044 U	< 0.0051 U	< 0.0046 U	< 0.0045 U	< 0.0037 U	< 0.0042 U	< 0.0045 U	< 0.0044 U	< 0.0041 U	< 0.0045 U
1,2-Dichloroethane	107-06-2	0.024	0.15	< 0.0043 U	< 0.0044 U	< 0.0044 U	< 0.0051 U	< 0.0046 U	< 0.0045 U	< 0.0037 U	< 0.0042 U	< 0.0045 U	< 0.0044 U	< 0.0041 U	< 0.0045 U
1,2-Dichloropropane	78-87-5	0.03	0.25	< 0.0043 U	< 0.0044 U	< 0.0044 U	< 0.0051 U	< 0.0046 U	< 0.0045 U	< 0.0037 U	< 0.0042 U	< 0.0045 U	< 0.0044 U	< 0.0041 U	< 0.0045 U
1,4-Dichlorobenzene	106-46-7	2.2	3.4	< 0.0043 U	< 0.0044 U	< 0.0044 U	< 0.0051 U	< 0.0046 U	< 0.0045 U	< 0.0037 U	< 0.0042 U	< 0.0045 U	< 0.0044 U	< 0.0041 U	< 0.0045 U
1,4-Dioxane	123-91-1	NS	NS	---	---	---	---	---	---	< 0.18 U	< 0.21 U	< 0.23 U	< 0.22 U	< 0.2 U	< 0.22 U
2-Butanone	78-93-3	35	250	< 0.0214 U	< 0.022 U	< 0.022 U	< 0.0253 U	< 0.0228 U	< 0.0226 U	< 0.015 U	< 0.017 U	< 0.018 U	< 0.018 U	0.0052 J	< 0.018 U
4-Methyl-2-pentanone	108-10-1	20	75	< 0.0214 U	< 0.022 U	< 0.022 U	< 0.0253 U	< 0.0228 U	< 0.0226 U	< 0.015 U	< 0.017 U	< 0.018 U	< 0.018 U	< 0.016 U	< 0.018 U
Acetone	67-64-1	28	370	< 0.0856 U	0.265	0.103	0.271	< 0.0911 U	< 0.0906 U	0.0051 JB	< 0.017 U	0.0064 JB	0.017 J	0.033	< 0.018 U
Benzene	71-43-2	0.034	0.35	< 0.0043 U	< 0.0044 U	< 0.0044 U	< 0.0051 U	< 0.0046 U	< 0.0045 U	< 0.0037 U	< 0.0042 U	< 0.0045 U	< 0.0044 U	< 0.0041 U	< 0.0045 U
Benzene, isopropyl	98-82-8	11	42	< 0.0043 U	< 0.0044 U	< 0.0044 U	< 0.0051 U	< 0.0046 U	< 0.0045 U	< 0.0037 U	< 0.0042 U	< 0.0045 U	< 0.0044 U	< 0.0041 U	< 0.0045 U
Bromodichloromethane	75-27-4	0.51	0.51	< 0.0043 U	< 0.0044 U	< 0.0044 U	< 0.0051 U	< 0.0046 U	< 0.0045 U	< 0.0037 U	< 0.0042 U	< 0.0045 U	< 0.0044 U	< 0.0041 U	< 0.0045 U
Bromomethane	74-83-9	0.052	0.7	< 0.0043 U	< 0.0044 U	< 0.0044 U	< 0.0051 U	< 0.0046 U	< 0.0045 U	< 0.0037 U	< 0.0042 U	< 0.0045 U	< 0.0044 U	< 0.0041 U	< 0.0045 U
Carbon Disulfide	75-15-0	10	82	< 0.0086 U	< 0.0088 U	< 0.0088 U	< 0.0101 U	< 0.0091 U	< 0.0091 U	< 0.0037 U	< 0.0042 U	< 0.0045 U	< 0.0044 U	< 0.0041 U	< 0.0045 U
Carbon Tetrachloride	56-23-5	0.066	0.29	< 0.0043 U	< 0.0044 U	< 0.0044 U	< 0.0051 U	< 0.0046 U	< 0.0045 U	< 0.0037 U	< 0.0042 U	< 0.0045 U	< 0.0044 U	< 0.0041 U	< 0.0045 U
CFC-11	75-69-4	29	540	< 0.0043 U	< 0.0044 U	< 0.0044 U	< 0.0051 U	< 0.0046 U	< 0.0045 U	< 0.0037 U	< 0.0042 U	< 0.0045 U	< 0.0044 U	< 0.0041 U	< 0.0045 U
CFC-12	75-71-8	NS	NS	< 0.0043 U	< 0.0044 U	< 0.0044 U	< 0.0051 U	< 0.0046 U	< 0.0045 U	< 0.0037 U	< 0.0042 U	< 0.0045 U	< 0.0044 U*	< 0.0041 U*	< 0.0045 U*
Chlorinated Fluorocarbon (FREON 113)	76-13-1	NS	NS	< 0.0043 U	< 0.0044 U	< 0.0044 U	< 0.0051 U	< 0.0046 U	< 0.0045 U	< 0.0037 U	< 0.0042 U	< 0.0045 U	< 0.0044 U	< 0.0041 U	< 0.0045 U
Chlorobenzene	108-90-7	1.3	27	< 0.0043 U	< 0.0044 U	< 0.0044 U	< 0.0051 U	< 0.0046 U	< 0.0045 U	< 0.0037 U	< 0.0042 U	< 0.0045 U	< 0.0044 U	< 0.0041 U	< 0.0045 U
Chlorodibromomethane	124-48-1	NS	NS	< 0.0043 U	< 0.0044 U	< 0.0044 U	< 0.0051 U	< 0.0046 U	< 0.0045 U	< 0.0037 U	< 0.0042 U	< 0.0045 U	< 0.0044 U	< 0.0041 U	< 0.0045 U
Chloroethane	75-00-3	0.65	10	< 0.0043 U	< 0.0044 U	< 0.0044 U	< 0.0051 U	< 0.0046 U	< 0.0045 U	< 0.0037 U*	< 0.0042 U*	< 0.0045 U*	< 0.0044 U*	< 0.0041 U*	< 0.0045 U*
Chloroform	67-66-3	0.47	4.7	< 0.0043 U	< 0.0044 U	< 0.0044 U	< 0.0051 U	< 0.0046 U	< 0.0045 U	< 0.0037 U	< 0.0042 U	< 0.0045 U	< 0.0044 U	< 0.0041 U	< 0.0045 U
Chloromethane	74-87-3	NS	NS	< 0.0043 U	< 0.0044 U	< 0.0044 U	< 0.0051 U	< 0.0046 U	< 0.0045 U	< 0.0037 U	< 0.0042 U	< 0.0045 U	< 0.0044 U	< 0.0041 U	< 0.0045 U
cis-1,2-Dichloroethene	156-59-2	0.4	5.8	< 0.0043 U	< 0.0044 U	< 0.0044 U	< 0.0051 U	< 0.0046 U	< 0.0045 U	< 0.0037 U	< 0.0042 U	< 0.0045 U	< 0.0044 U	< 0.0041 U	< 0.0045 U
cis-1,3-Dichloropropene	10061-01-5	0.04	0.2	< 0.0043 U	< 0.0044 U	< 0.0044 U	< 0.0051 U	< 0.0046 U	< 0.0045 U	< 0.0037 U	< 0.0042 U	< 0.0045 U	< 0.0044 U	< 0.0041 U	< 0.0045 U
Cyclohexane	110-82-7	69	69	< 0.0856 U	< 0.0882 U	< 0.088 U	< 0.101 U	< 0.0911 U	< 0.0906 U	< 0.0073 U*	< 0.0083 U*	< 0.0091 U*	< 0.0089 U	< 0.0081 U	< 0.0089 U
Ethylbenzene	100-41-4	13	160	< 0.0043 U	< 0.0044 U	< 0.0044 U	< 0.0051 U	< 0.0046 U	< 0.0045 U	< 0.0037 U	< 0.0042 U	< 0.0045 U	0.00023 J	< 0.0041 U	< 0.0045 U
m-Dichlorobenzene	541-73-1	2.3	8.9	< 0.0043 U	< 0.0044 U	< 0.0044 U	< 0.0051 U	< 0.0046 U	< 0.0045 U	< 0.0037 U	< 0.0042 U	< 0.0045 U	< 0.0044 U	< 0.0041 U	< 0.0045 U
Methylene Chloride	75-09-2	0.023	1.8	< 0.0171 U	< 0.0176 U	< 0.0176 U	< 0.0202 U	< 0.0182 U	< 0.0181 U	0.0015 JB	0.0022 JB	0.0022 JB	0.0018 JB	0.0016 JB	0.002 JB
Methyl acetate	79-20-9	NS	NS	< 0.0043 U	< 0.0044 U	< 0.0044 U	< 0.0051 U	< 0.0046 U	< 0.0045 U	< 0.0073 U	< 0.0083 U	< 0.0091 U	< 0.0089 U	< 0.0081 U	< 0.0089 U
Methyl N-Butyl Ketone	591-78-6	NS	NS	< 0.0856 U	< 0.0882 U	< 0.088 U	< 0.101 U	< 0.0911 U	< 0.0906 U	< 0.015 U	< 0.017 U	< 0.018 U	< 0.018 U	< 0.016 U	< 0.018 U
Methyl tertiary butyl ether (MTBE)	1634-04-4	0.18	3.2	< 0.0043 U	< 0.0044 U	< 0.0044 U	< 0.0051 U	< 0.0046 U	< 0.0045 U	< 0.015 U	< 0.017 U	< 0.018 U	< 0.018 U	< 0.016 U	< 0.018 U
Methylcyclohexane	108-87-2	NS	NS	< 0.0043 U	< 0.0044 U	< 0.0044 U	< 0.0051 U	< 0.0046 U	< 0.0045 U	< 0.0073 U	< 0.0083 U	< 0.0091 U	< 0.0089 U	< 0.0081 U	< 0.0089 U
Naphthalene	91-20-3	0.7	170	---	---	---	---	---	---	< 0.0037 U	< 0.0042 U	< 0.0045 U	< 0.0044 U	< 0.0041 U	< 0.0045 U
Styrene (Monomer)	100-42-5	3.5	550	< 0.0043 U	< 0.0044 U	< 0.0044 U	< 0.0051 U	< 0.0046 U	< 0.0045 U	< 0.0037 U	< 0.0042 U	< 0.0045 U	< 0.0044 U	< 0.0041 U	< 0.0045 U
Tetrachloroethene	127-18-4	0.058	0.64	< 0.0043 U	< 0.0044 U	0.0283	0.0417	0.0078	0.0078	0.0013 J	0.0014 J	< 0.0045 U	< 0.0044 U	< 0.0041 U	< 0.0045 U
Toluene	108-88-3	12	96	< 0.0043 U	< 0.0044 U	< 0.0044 U	< 0.0051 U	< 0.0046 U	< 0.0045 U	< 0.0037 U	< 0.0042 U	< 0.0045 U	< 0.0044 U	0.00024 JB	0.00024 JB
trans-1,2-Dichloroethene	156-60-5	0.68	14	< 0.0043 U	< 0.0044 U	< 0.0044 U	< 0.0051 U	< 0.0046 U	< 0.0045 U	< 0.0037 U	< 0.0042 U	< 0.0045 U	< 0.0044 U	< 0.0041 U	< 0.0045 U
trans-1,3-Dichloropropene	10061-02-6	0.04	0.2	< 0.0043 U	< 0.0044 U	< 0.0044 U	< 0.0051 U	< 0.0046 U	< 0.0045 U	< 0.0037 U	< 0.0042 U	< 0.0045 U	< 0.0044 U	< 0.0041 U	< 0.0045 U
Tribromomethane	75-25-2	0.6	2.7	< 0.0043 U	< 0.0044 U	< 0.0044 U	< 0.0051 U	< 0.0046 U	< 0.0045 U	< 0.0037 U	< 0.0042 U	< 0.0045 U	< 0.0044 U	< 0.0041 U	< 0.0045 U
Trichloroethylene	79-01-6	0.057	0.35	0.0051	0.0119	0.104	0.0198	< 0.0046 U	< 0.0045 U	< 0.0037 U	< 0.0042 U	< 0.0045 U	< 0.0044 U	< 0.0041 U	< 0.0045 U
Vinyl chloride	75-01-4	0.013	0.027	< 0.0043 U	< 0.0044 U	< 0.0044 U	0.0074	< 0.0046 U	< 0.0045 U	< 0.0037 U	< 0.0042 U	< 0.0045 U	< 0.0044 U	< 0.0041 U	< 0.0045 U
Xylene (total)	1330-20-7	170	170	< 0.0086 U	< 0.0088 U	< 0.0088 U	< 0.0101 U	< 0.0091 U	< 0.0091 U	< 0.0073 U	< 0.0083 U	< 0.0091 U	< 0.0089 U	< 0.0081 U	< 0.0089 U
Percent Moisture	Moist	NS	NS	3.3	6	9.4	26.2	16.4	15.9	---	---	---	---	---	---
pH	pH	NS	NS	---	---	---	---	---	---	---	---	---	---	---	---

Notes:

o Results obtained using analytical method EPA SW846 8260 via a TerraCore kit.

mg/kg Milligrams per kilogram

% Percentage

--- Constituent not analyzed

AOI Area of Interest

N Jormal sample

FD Field duplicate sample

Table 3. VOC Concentrations in Groundwater, RACER Trust, Indianapolis, Indiana
Indianapolis - Stamping

			Site Name	AOI 2	AOI 2	AOI 2	AOI 3	AOI 3	AOI 3	AOI 3	AOI 3	AOI 7	AOI 7	AOI 7	AOI 8	AOI 8	AOI 8	AOI 8	AOI 8	AOI 8	AOI 8
			Location ID	MW-1106	MW-1106	MW-1106	MW-1107	MW-1107	MW-1107	MW-1119	MW-1120	MW-1108	MW-1108	MW-1108	MW-1109	MW-1109	MW-1109	MW-1110	MW-1110	MW-1111	MW-1111
			Sample Date	5/27/2011	9/12/2011	12/1/2011	5/27/2011	9/12/2011	12/1/2011	12/1/2011	12/1/2011	5/27/2011	9/12/2011	12/1/2011	5/27/2011	9/12/2011	12/1/2011	5/27/2011	9/12/2011	5/27/2011	9/12/2011
			Sample Type Code	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Constituents ^o (mg/L)	CAS No	Residential Closure Level [†]	Industrial Closure Level [‡]																		
1,1,1-Trichloroethane	71-55-6	0.2	29	---	0.0105	0.0078	0.002 H	< 0.005 U	< 0.005 U	0.129	0.04	0.00075 JH	< 0.005 U	< 0.005 U	< 0.001 UH	< 0.005 U	< 0.005 U	< 0.001 U	< 0.005 U	0.00091 J	< 0.005 U
1,1,2,2-Tetrachloroethane	79-34-5	0.0009	0.014	---	< 0.005 U	< 0.005 U	< 0.001 UH	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.001 UH	< 0.005 U	< 0.005 U	< 0.001 UH	< 0.005 U	< 0.005 U	< 0.001 U	< 0.005 U	< 0.001 U	< 0.005 U
1,1,2-Trichloroethane	79-00-5	0.005	0.05	---	< 0.005 U	< 0.005 U	< 0.001 UH	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.001 UH	< 0.005 U	< 0.005 U	< 0.001 UH	< 0.005 U	< 0.005 U	< 0.001 U	< 0.005 U	< 0.001 U	< 0.005 U
1,1-Dichloroethane	75-34-3	0.99	10	---	< 0.005 U	< 0.005 U	< 0.001 UH	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.001 UH	< 0.005 U	< 0.005 U	< 0.001 UH	< 0.005 U	< 0.005 U	< 0.001 U	< 0.005 U	< 0.001 U	< 0.005 U
1,1-Dichloroethylene	75-35-4	0.007	5.1	---	< 0.005 U	< 0.005 U	< 0.001 UH	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.001 UH	< 0.005 U	< 0.005 U	< 0.001 UH	< 0.005 U	< 0.005 U	< 0.001 U	< 0.005 U	< 0.001 U	< 0.005 U
1,2,4-Trichlorobenzene	120-82-1	0.07	1	---	< 0.005 U	< 0.005 U	< 0.001 UH	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.001 UH	< 0.005 U	< 0.005 U	< 0.001 UH	< 0.005 U	< 0.005 U	< 0.001 U	< 0.005 U	< 0.001 U	< 0.005 U
1,2-Dibromo-3-Chloropropane (DBCP)	96-12-8	NS	NS	---	< 0.01 U	< 0.01 U	< 0.002 UH	< 0.01 U	< 0.01 U	< 0.01 U	< 0.01 U	< 0.002 UH	< 0.01 U	< 0.01 U	< 0.002 UH	< 0.01 U	< 0.01 U	< 0.002 U	< 0.01 U	< 0.002 U	< 0.01 U
1,2-Dibromoethane (Ethylene Dibromide)	106-93-4	0.00005	0.0014	---	< 0.005 U	< 0.005 U	< 0.001 UH	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.001 UH	< 0.005 U	< 0.005 U	< 0.001 UH	< 0.005 U	< 0.005 U	< 0.001 U	< 0.005 U	< 0.001 U	< 0.005 U
1,2-Dichlorobenzene	95-50-1	0.6	9.2	---	< 0.005 U	< 0.005 U	< 0.001 UH	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.001 UH	< 0.005 U	< 0.005 U	< 0.001 UH	< 0.005 U	< 0.005 U	< 0.001 U	< 0.005 U	< 0.001 U	< 0.005 U
1,2-Dichloroethane	107-06-2	0.005	0.031	---	< 0.005 U	< 0.005 U	< 0.001 UH	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.001 UH	< 0.005 U	< 0.005 U	< 0.001 UH	< 0.005 U	< 0.005 U	< 0.001 U	< 0.005 U	< 0.001 U	< 0.005 U
1,2-Dichloropropane	78-87-5	0.005	0.042	---	< 0.005 U	< 0.005 U	< 0.001 UH	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.001 UH	< 0.005 U	< 0.005 U	< 0.001 UH	< 0.005 U	< 0.005 U	< 0.001 U	< 0.005 U	< 0.001 U	< 0.005 U
1,4-Dichlorobenzene	106-46-7	0.075	0.12	---	< 0.005 U	< 0.005 U	< 0.001 UH	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.001 UH	< 0.005 U	< 0.005 U	< 0.001 UH	< 0.005 U	< 0.005 U	< 0.001 U	< 0.005 U	< 0.001 U	< 0.005 U
1,4-Dioxane	123-91-1	NS	NS	---	---	---	< 0.05 UH	---	---	---	---	< 0.05 UH	---	---	< 0.05 UH	---	---	< 0.05 U	---	< 0.05 U	---
2-Butanone	78-93-3	8.4	61	---	< 0.025 U	< 0.025 U	< 0.01 UH	< 0.025 U	< 0.025 U	< 0.025 U	< 0.025 U	< 0.01 UH	< 0.025 U	< 0.025 U	< 0.01 UH	< 0.025 U	< 0.025 U	< 0.01 U	< 0.025 U	< 0.01 U	< 0.025 U
4-Methyl-2-pentanone	108-10-1	2.2	8.2	---	< 0.025 U	< 0.025 U	< 0.01 UH	< 0.025 U	< 0.025 U	< 0.025 U	< 0.025 U	< 0.01 UH	< 0.025 U	< 0.025 U	< 0.01 UH	< 0.025 U	< 0.025 U	< 0.01 U	< 0.025 U	< 0.01 U	< 0.025 U
Acetone	67-64-1	6.9	92	---	< 0.1 U	< 0.1 U	0.0023 JHB	< 0.1 U	< 0.1 U	< 0.1 U	< 0.1 U	0.0029 JHB	< 0.1 U	< 0.1 U	0.0022 JHB	< 0.1 U	< 0.1 U	0.003 JB	< 0.1 U	0.0017 JB	< 0.1 U
Benzene	71-43-2	0.005	0.052	0.00017 J	< 0.005 U	< 0.005 U	0.00018 JH	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.001 UH	< 0.005 U	< 0.005 U	< 0.001 UH	< 0.005 U	< 0.005 U	0.00016 J	< 0.005 U	0.0002 J	< 0.005 U
Benzene, isopropyl	98-82-8	0.83	10	---	< 0.005 U	< 0.005 U	< 0.001 UH	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.001 UH	< 0.005 U	< 0.005 U	< 0.001 UH	< 0.005 U	< 0.005 U	< 0.001 U	< 0.005 U	< 0.001 U	< 0.005 U
Bromodichloromethane	75-27-4	0.08	0.08	---	< 0.005 U	< 0.005 U	< 0.001 UH	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.001 UH	< 0.005 U	< 0.005 U	< 0.001 UH	< 0.005 U	< 0.005 U	< 0.001 U	< 0.005 U	< 0.001 U	< 0.005 U
Bromomethane	74-83-9	0.011	0.14	---	< 0.005 U	< 0.005 U	< 0.001 UH	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.001 UH	< 0.005 U	< 0.005 U	< 0.001 UH	< 0.005 U	< 0.005 U	< 0.001 U	< 0.005 U	< 0.001 U	< 0.005 U
Carbon Disulfide	75-15-0	1.3	10	---	< 0.01 U	< 0.01 U	< 0.001 UH	< 0.01 U	< 0.01 U	< 0.01 U	< 0.01 U	< 0.001 UH	< 0.01 U	< 0.01 U	< 0.001 UH	< 0.01 U	< 0.01 U	< 0.001 U	< 0.01 U	< 0.001 U	< 0.01 U
Carbon Tetrachloride	56-23-5	0.005	0.022	---	< 0.005 U	< 0.005 U	< 0.001 UH	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.001 UH	< 0.005 U	< 0.005 U	< 0.001 UH	< 0.005 U	< 0.005 U	< 0.001 U	< 0.005 U	< 0.001 U	< 0.005 U
CFC-11	75-69-4	1.7	31	---	< 0.005 U	< 0.005 U	< 0.001 UH	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.001 UH	< 0.005 U	< 0.005 U	< 0.001 UH	< 0.005 U	< 0.005 U	< 0.001 U	< 0.005 U	< 0.001 U	< 0.005 U
CFC-12	75-71-8	NS	NS	---	< 0.005 U	< 0.005 U	< 0.001 UH	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.001 UH	< 0.005 U	< 0.005 U	< 0.001 UH	< 0.005 U	< 0.005 U	< 0.001 U	< 0.005 U	< 0.001 U	< 0.005 U
Chlorinated Fluorocarbon (FREON 113)	76-13-1	NS	NS	---	< 0.005 U	< 0.005 U	< 0.001 UH	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.001 UH	< 0.005 U	< 0.005 U	< 0.001 UH	< 0.005 U	< 0.005 U	< 0.001 U	< 0.005 U	< 0.001 U	< 0.005 U
Chlorobenzene	108-90-7	0.1	2	---	< 0.005 U	< 0.005 U	< 0.001 UH	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.001 UH	< 0.005 U	< 0.005 U	< 0.001 UH	< 0.005 U	< 0.005 U	< 0.001 U	< 0.005 U	< 0.001 U	< 0.005 U
Chlorodibromomethane	124-48-1	NS	NS	---	< 0.005 U	< 0.005 U	< 0.001 UH	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.001 UH	< 0.005 U	< 0.005 U	< 0.001 UH	< 0.005 U	< 0.005 U	< 0.001 U	< 0.005 U	< 0.001 U</	

Table 3. VOC Concentrations in Groundwater, RACER Trust, Indianapolis, Indiana
Indianapolis - Stamping

			Site Name	AOI 8	AOI 8	AOI 8	AOI 8	AOI 8	AOI 17	AOI 17	AOI 17	AOI 17	Perimeter	Perimeter	Perimeter	Perimeter	Perimeter	Perimeter	Perimeter	Perimeter	
			Location ID	MW-1116	MW-1116	MW-1116	MW-1117	MW-1117	MW-1112	MW-1112	MW-1112	MW-1112	MW-1101	MW-1101	MW-1102	MW-1102	MW-1102	MW-1103	MW-1103	MW-1104	MW-1104
			Sample Date	9/13/2011	9/13/2011	12/1/2011	9/13/2011	12/1/2011	5/24/2011	5/24/2011	9/12/2011	12/5/2011	5/27/2011	9/12/2011	5/24/2011	9/12/2011	12/1/2011	5/24/2011	9/12/2011	5/24/2011	9/12/2011
			Sample Type Code	N	FD	N	N	N	N	FD	N	N	N	N	N	N	N	N	N	N	N
Constituents ^o (mg/L)	CAS No	Residential Closure Level [†]	Industrial Closure Level [‡]																		
1,1,1-Trichloroethane	71-55-6	0.2	29	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.001 U	< 0.001 U	< 0.005 U	---	< 0.001 UH	< 0.005 U	0.024	0.0951	0.103	< 0.001 U	< 0.005 U	< 0.001 U	< 0.005 U
1,1,2,2-Tetrachloroethane	79-34-5	0.0009	0.014	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.001 U	< 0.001 U	< 0.005 U	---	< 0.001 UH	< 0.005 U	< 0.001 U	< 0.005 U	< 0.005 U	< 0.001 U	< 0.005 U	< 0.001 U	< 0.005 U
1,1,2-Trichloroethane	79-00-5	0.005	0.05	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.001 U	< 0.001 U	< 0.005 U	---	< 0.001 UH	< 0.005 U	< 0.001 U	< 0.005 U	< 0.005 U	< 0.001 U	< 0.005 U	< 0.001 U	< 0.005 U
1,1-Dichloroethane	75-34-3	0.99	10	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.001 U	< 0.001 U	< 0.005 U	---	< 0.001 UH	< 0.005 U	0.0019	0.0089	0.0065	< 0.001 U	< 0.005 U	< 0.001 U	< 0.005 U
1,1-Dichloroethylene	75-35-4	0.007	5.1	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.001 U	< 0.001 U	< 0.005 U	---	< 0.001 UH	< 0.005 U	0.0016	< 0.005 U	< 0.005 U	< 0.001 U	< 0.005 U	< 0.001 U	< 0.005 U
1,2,4-Trichlorobenzene	120-82-1	0.07	1	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.001 U	< 0.001 U	< 0.005 U	---	< 0.001 UH	< 0.005 U	< 0.001 U	< 0.005 U	< 0.005 U	< 0.001 U	< 0.005 U	< 0.001 U	< 0.005 U
1,2-Dibromo-3-Chloropropane (DBCP)	96-12-8	NS	NS	< 0.01 U	< 0.01 U	< 0.01 U	< 0.01 U	< 0.01 U	< 0.002 U	< 0.002 U	< 0.01 U	---	< 0.002 UH	< 0.01 U	< 0.002 U	< 0.01 U	< 0.01 U	< 0.002 U	< 0.01 U	< 0.002 U	< 0.01 U
1,2-Dibromoethane (Ethylene Dibromide)	106-93-4	0.00005	0.0014	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.001 U	< 0.001 U	< 0.005 U	---	< 0.001 UH	< 0.005 U	< 0.001 U	< 0.005 U	< 0.005 U	< 0.001 U	< 0.005 U	< 0.001 U	< 0.005 U
1,2-Dichlorobenzene	95-50-1	0.6	9.2	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.001 U	< 0.001 U	< 0.005 U	---	< 0.001 UH	< 0.005 U	< 0.001 U	< 0.005 U	< 0.005 U	< 0.001 U	< 0.005 U	< 0.001 U	< 0.005 U
1,2-Dichloroethane	107-06-2	0.005	0.031	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.001 U	< 0.001 U	< 0.005 U	---	< 0.001 UH	< 0.005 U	< 0.001 U	< 0.005 U	< 0.005 U	< 0.001 U	< 0.005 U	< 0.001 U	< 0.005 U
1,2-Dichloropropane	78-87-5	0.005	0.042	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.001 U	< 0.001 U	< 0.005 U	---	< 0.001 UH	< 0.005 U	< 0.001 U	< 0.005 U	< 0.005 U	< 0.001 U	< 0.005 U	< 0.001 U	< 0.005 U
1,4-Dichlorobenzene	106-46-7	0.075	0.12	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.001 U	< 0.001 U	< 0.005 U	---	< 0.001 UH	< 0.005 U	< 0.001 U	< 0.005 U	< 0.005 U	< 0.001 U	< 0.005 U	< 0.001 U	< 0.005 U
1,4-Dioxane	123-91-1	NS	NS	---	---	---	---	---	< 0.05 U	< 0.05 U	---	---	< 0.05 UH	---	< 0.05 U	---	---	< 0.05 U	---	< 0.05 U	---
2-Butanone	78-93-3	8.4	61	< 0.025 U	< 0.025 U	< 0.025 U	< 0.025 U	< 0.025 U	< 0.01 U	< 0.01 U	< 0.025 U	---	< 0.01 UH	< 0.025 U	< 0.01 U	< 0.025 U	< 0.025 U	< 0.01 U	< 0.025 U	< 0.01 U	< 0.025 U
4-Methyl-2-pentanone	108-10-1	2.2	8.2	< 0.025 U	< 0.025 U	< 0.025 U	< 0.025 U	< 0.025 U	< 0.01 U	< 0.01 U	< 0.025 U	---	< 0.01 UH	< 0.025 U	< 0.01 U	< 0.025 U	< 0.025 U	< 0.01 U	< 0.025 U	< 0.01 U	< 0.025 U
Acetone	67-64-1	6.9	92	< 0.1 U	< 0.1 U	< 0.1 U	< 0.1 U	< 0.1 U	< 0.01 U	< 0.01 U	< 0.1 U	---	0.0025 JHB	< 0.1 U	< 0.01 U	< 0.1 U	< 0.1 U	< 0.01 U	< 0.1 U	< 0.01 U	< 0.1 U
Benzene	71-43-2	0.005	0.052	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.001 U	< 0.001 U	< 0.005 U	---	< 0.001 UH	< 0.005 U	< 0.001 U	< 0.005 U	< 0.005 U	< 0.001 U	< 0.005 U	< 0.001 U	< 0.005 U
Benzene, isopropyl	98-82-8	0.83	10	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.001 U	< 0.001 U	< 0.005 U	---	< 0.001 UH	< 0.005 U	< 0.001 U	< 0.005 U	< 0.005 U	< 0.001 U	< 0.005 U	< 0.001 U	< 0.005 U
Bromodichloromethane	75-27-4	0.08	0.08	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.001 U	< 0.001 U	< 0.005 U	---	0.00065 JH	< 0.005 U	< 0.001 U	< 0.005 U	< 0.005 U	< 0.001 U	< 0.005 U	< 0.001 U	< 0.005 U
Bromomethane	74-83-9	0.011	0.14	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.001 U	< 0.001 U	< 0.005 U	---	< 0.001 UH	< 0.005 U	< 0.001 U	< 0.005 U	< 0.005 U	< 0.001 U	< 0.005 U	< 0.001 U	< 0.005 U
Carbon Disulfide	75-15-0	1.3	10	< 0.01 U	< 0.01 U	< 0.01 U	< 0.01 U	< 0.01 U	< 0.001 U	< 0.001 U	< 0.01 U	---	< 0.001 UH	< 0.01 U	< 0.001 U	< 0.01 U	< 0.01 U	< 0.001 U	< 0.01 U	< 0.001 U	< 0.01 U
Carbon Tetrachloride	56-23-5	0.005	0.022	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.001 U	< 0.001 U	< 0.005 U	---	< 0.001 UH	< 0.005 U	< 0.001 U	< 0.005 U	< 0.005 U	< 0.001 U	< 0.005 U	< 0.001 U	< 0.005 U
CFC-11	75-69-4	1.7	31	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.001 U	< 0.001 U	< 0.005 U	---	< 0.001 UH	< 0.005 U	< 0.001 U	< 0.005 U	< 0.005 U	< 0.001 U	< 0.005 U	< 0.001 U	< 0.005 U
CFC-12	75-71-8	NS	NS	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.001 U	< 0.001 U	< 0.005 U	---	< 0.001 UH	< 0.005 U	< 0.001 U	< 0.005 U	< 0.005 U	< 0.001 U	< 0.005 U	< 0.001 U	< 0.005 U
Chlorinated Fluorocarbon (FREON 113)	76-13-1	NS	NS	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.001 U	< 0.001 U	< 0.005 U	---	< 0.001 UH	< 0.005 U	< 0.001 U	< 0.005 U	< 0.005 U	< 0.001 U	< 0.005 U	< 0.001 U	< 0.005 U
Chlorobenzene	108-90-7	0.1	2	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.001 U	< 0.001 U	< 0.005 U	---	< 0.001 UH	< 0.005 U	< 0.001 U	< 0.005 U	< 0.005 U	< 0.001 U	< 0.005 U	< 0.001 U	< 0.005 U
Chlorodibromomethane	124-48-1	NS	NS	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.001 U	< 0.001 U	< 0.005 U	---	< 0.001 UH	< 0.005 U	< 0.001 U	< 0.005 U	< 0.005 U	< 0.001 U	< 0.005 U	< 0.001 U	< 0.005 U
Chloroethane	75-00-3	0.062																			

Table 3. VOC Concentrations in Groundwater, RACER Trust, Indianapolis, Indiana
Indianapolis - Stamping

			Site Name	Perimeter	Perimeter	Perimeter	Perimeter	Perimeter	Perimeter	Perimeter	Perimeter	Perimeter	Perimeter	Perimeter	Perimeter
			Location ID	MW-1105	MW-1105	MW-1113	MW-1113	MW-1114	MW-1114	MW-1115	MW-1115	MW-1115	MW-1118	MW-1118	MW-1121
			Sample Date	5/24/2011	9/12/2011	9/12/2011	12/1/2011	9/12/2011	12/1/2011	9/12/2011	12/1/2011	12/1/2011	9/12/2011	12/1/2011	12/1/2011
			Sample Type Code	N	N	N	N	N	N	N	N	FD	N	N	N
Constituents ^o (mg/L)	CAS No	Residential Closure Level [†]	Industrial Closure Level [‡]												
1,1,1-Trichloroethane	71-55-6	0.2	29	< 0.001 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	0.238	0.203	0.207	0.0099	0.0103	< 0.005 U
1,1,2,2-Tetrachloroethane	79-34-5	0.0009	0.014	< 0.001 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U
1,1,2-Trichloroethane	79-00-5	0.005	0.05	< 0.001 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U
1,1-Dichloroethane	75-34-3	0.99	10	< 0.001 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	0.0063	0.0137	0.0157	< 0.005 U	< 0.005 U	< 0.005 U
1,1-Dichloroethylene	75-35-4	0.007	5.1	< 0.001 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	0.0052	0.0055	< 0.005 U	< 0.005 U	< 0.005 U
1,2,4-Trichlorobenzene	120-82-1	0.07	1	< 0.001 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U
1,2-Dibromo-3-Chloropropane (DBCP)	96-12-8	NS	NS	< 0.002 U	< 0.01 U	< 0.01 U	< 0.01 U	< 0.01 U	< 0.01 U	< 0.01 U	< 0.01 U	< 0.01 U	< 0.01 U	< 0.01 U	< 0.01 U
1,2-Dibromoethane (Ethylene Dibromide)	106-93-4	0.00005	0.0014	< 0.001 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U
1,2-Dichlorobenzene	95-50-1	0.6	9.2	< 0.001 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U
1,2-Dichloroethane	107-06-2	0.005	0.031	< 0.001 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U
1,2-Dichloropropane	78-87-5	0.005	0.042	< 0.001 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U
1,4-Dichlorobenzene	106-46-7	0.075	0.12	< 0.001 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U
1,4-Dioxane	123-91-1	NS	NS	< 0.05 U	---	---	---	---	---	---	---	---	---	---	---
2-Butanone	78-93-3	8.4	61	< 0.01 U	< 0.025 U	< 0.025 U	< 0.025 U	< 0.025 U	< 0.025 U	< 0.025 U	< 0.025 U	< 0.025 U	< 0.025 U	< 0.025 U	< 0.025 U
4-Methyl-2-pentanone	108-10-1	2.2	8.2	< 0.01 U	< 0.025 U	< 0.025 U	< 0.025 U	< 0.025 U	< 0.025 U	< 0.025 U	< 0.025 U	< 0.025 U	< 0.025 U	< 0.025 U	< 0.025 U
Acetone	67-64-1	6.9	92	< 0.01 U	< 0.1 U	< 0.1 U	< 0.1 U	< 0.1 U	< 0.1 U	< 0.1 U	< 0.1 U	< 0.1 U	< 0.1 U	< 0.1 U	< 0.1 U
Benzene	71-43-2	0.005	0.052	< 0.001 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U
Benzene, isopropyl	98-82-8	0.83	10	< 0.001 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U
Bromodichloromethane	75-27-4	0.08	0.08	< 0.001 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U
Bromomethane	74-83-9	0.011	0.14	< 0.001 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U
Carbon Disulfide	75-15-0	1.3	10	< 0.001 U	< 0.01 U	< 0.01 U	< 0.01 U	< 0.01 U	< 0.01 U	< 0.01 U	< 0.01 U	< 0.01 U	< 0.01 U	< 0.01 U	< 0.01 U
Carbon Tetrachloride	56-23-5	0.005	0.022	< 0.001 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U
CFC-11	75-69-4	1.7	31	< 0.001 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U
CFC-12	75-71-8	NS	NS	< 0.001 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U
Chlorinated Fluorocarbon (FREON 113)	76-13-1	NS	NS	< 0.001 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U
Chlorobenzene	108-90-7	0.1	2	< 0.001 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U
Chlorodibromomethane	124-48-1	NS	NS	< 0.001 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U
Chloroethane	75-00-3	0.062	0.99	< 0.001 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U
Chloroform	67-66-3	0.08	1	< 0.001 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U
Chloromethane	74-87-3	NS	NS	< 0.001 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U
cis-1,2-Dichloroethene	156-59-2	0.07	1	< 0.001 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	0.0061	0.0443	0.0463	0.005	< 0.005 U	< 0.005 U
cis-1,3-Dichloropropene	10061-01-5	0.0056	0.029	< 0.001 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U
Cyclohexane	110-82-7	13	55	< 0.001 U	< 0.1 U	< 0.1 U	< 0.1 U	< 0.1 U	< 0.1 U	< 0.1 U	< 0.1 U	< 0.1 U	< 0.1 U	< 0.1 U	< 0.1 U
Ethylbenzene	100-41-4	0.7	10	< 0.001 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U
m-Dichlorobenzene	541-73-1	0.08	0.31	< 0.001 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U
Methylene Chloride	75-09-2	0.005	0.38	< 0.001 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U
Methyl Acetate	79-20-9	NS	NS	< 0.01 U	< 0.05 U	< 0.05 U	< 0.05 U	< 0.05 U	< 0.05 U	< 0.05 U	< 0.05 U	< 0.05 U	< 0.05 U	< 0.05 U	< 0.05 U
Methyl N-Butyl Ketone	591-78-6	NS	NS	< 0.01 U	< 0.025 U	< 0.025 U	< 0.025 U	< 0.025 U	< 0.025 U	< 0.025 U	< 0.025 U	< 0.025 U	< 0.025 U	< 0.025 U	< 0.025 U
Methyl tertiary butyl ether (MTBE)	1634-04-4	0.04	0.72	< 0.005 U	< 0.004 U	< 0.004 U	< 0.004 U	< 0.004 U	< 0.004 U	< 0.004 U	< 0.004 U	< 0.004 U	< 0.004 U	< 0.004 U	< 0.004 U
Methylcyclohexane	108-87-2	NS	NS	< 0.001 U	< 0.05 U	< 0.05 U	< 0.05 U	< 0.05 U	< 0.05 U	< 0.05 U	< 0.05 U	< 0.05 U	< 0.05 U	< 0.05 U	< 0.05 U
Naphthalene	91-20-3	0.0083	2	< 0.001 U	---	---	---	---	---	---	---	---	---	---	---
Styrene (Monomer)	100-42-5	0.1	20	< 0.001 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U
Tetrachloroethene	127-18-4	0.005	0.055	< 0.001 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	0.0143	0.0254	0.0232	< 0.005 U	< 0.005 U	< 0.005 U
Toluene	108-88-3	1	8.2	< 0.001 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U
trans-1,2-Dichloroethene	156-60-5	0.1	2	< 0.001 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U
trans-1,3-Dichloropropene	10061-02-6	0.0056	0.029	< 0.001 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U
Tribromomethane	75-25-2	0.08	0.36	< 0.001 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U
Trichloroethylene	79-01-6	0.005	0.031	< 0.001 U	< 0.005 U	< 0.005 U	< 0.005 U	0.0062	0.0052	0.385	0.242	0.235	0.0643	0.0835	< 0.005 U
Vinyl chloride	75-01-4	0.002	0.004	< 0.001 U	< 0.002 U	< 0.002 U	< 0.002 U	< 0.002 U	< 0.						

Notes:

o Results obtained using analytical method EPA SW846 8260 via glass vials with teflon lined lids.

mg/L Milligrams per liter

% Percentage

--- Constituent not analyzed

AOI Area of Interest

N Normal sample

FD Field duplicate sample

NS No screening level

IDEM Indiana Department of Environmental Management

RISC Risk Integrated System of Closure

† IDEM RISC Residential Closure Levels (2009)

‡ IDEM RISC Industrial Closure Levels (2009)

Bold Constituent exceeds IDEM RISC Residential Closure Levels

Italics Constituent exceeds IDEM RISC Industrial Closure Level

< Constituent below the laboratory detection limit.

J Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

U Indicates the compound was analyzed for, but not detected.

B Analyte detected method blank but was not detected in the associated samples.

Notes located on final page.

Table 4. SVOC Concentrations Soil, RACER Trust, Indianapolis, Indiana
Indianapolis - Stamping

Site Name Location ID Sample Date Depth Interval Sample Type Code				AOI 1 SB-01-1101 9/9/2011 0 - .5 N	AOI 1 SB-01-1101 9/9/2011 8 - 10 N	AOI 1 SB-01-1101 9/9/2011 18 - 20 N	AOI 1 SB-01-1102 9/8/2011 0 - .5 N	AOI 1 SB-01-1102 9/8/2011 8 - 10 N	AOI 1 SB-01-1102 9/8/2011 8 - 10 FD	AOI 1 SB-01-1102 9/8/2011 18 - 20 N	AOI 2 SB-02-1101 5/20/2011 .5 - 1 N	AOI 2 SB-02-1101 5/20/2011 8 - 10 N	AOI 2 SB-02-1101 5/20/2011 12 - 14 N	AOI 3 SB-03-1101 5/23/2011 .4 - .9 N	AOI 3 SB-03-1101 5/23/2011 10 - 12 N	AOI 3 SB-03-1101 5/23/2011 8 - 10 N	AOI 3 SB-03-1102 5/23/2011 .5 - 1 N	AOI 3 SB-03-1102 5/23/2011 8 - 10 N	AOI 3 SB-03-1102 5/23/2011 8 - 10 FD	AOI 3 SB-03-1102 5/23/2011 10 - 11.8 N	
Constituents ^a (mg/kg)	CAS No	Residential Closure Level [†]	Industrial Closure Level [‡]																		
2,2'-oxybis(1-Chloropropane)	108-60-1	0.027	0.26	< 0.348 U	< 0.375 U	< 0.343 U	< 0.347 U	< 0.385 U	< 0.382 U	< 0.339 U	---	---	---	---	---	---	---	---	---	---	
2,4,5-Trichlorophenol	95-95-4	250	690	< 0.348 U	< 0.375 U	< 0.343 U	< 0.347 U	< 0.385 U	< 0.382 U	< 0.339 U	---	---	---	---	---	---	---	---	---	---	
2,4,6-Trichlorophenol	88-06-2	0.07	0.2	< 0.348 U	< 0.375 U	< 0.343 U	< 0.347 U	< 0.385 U	< 0.382 U	< 0.339 U	---	---	---	---	---	---	---	---	---	---	
2,4-Dichlorophenol	120-83-2	1.1	3	< 0.348 U	< 0.375 U	< 0.343 U	< 0.347 U	< 0.385 U	< 0.382 U	< 0.339 U	---	---	---	---	---	---	---	---	---	---	
2,4-Dimethylphenol	105-67-9	9	25	< 0.348 U	< 0.375 U	< 0.343 U	< 0.347 U	< 0.385 U	< 0.382 U	< 0.339 U	---	---	---	---	---	---	---	---	---	---	
2,4-Dinitrophenol	51-28-5	0.29	0.82	< 1.68 U	< 1.82 U	< 1.66 U	< 1.68 U	< 1.87 U	< 1.85 U	< 1.64 U	---	---	---	---	---	---	---	---	---	---	
2,4-Dinitrotoluene	121-14-2	0.0091	0.031	< 0.348 U	< 0.375 U	< 0.343 U	< 0.347 U	< 0.385 U	< 0.382 U	< 0.339 U	---	---	---	---	---	---	---	---	---	---	
2,6-Dinitrotoluene	606-20-2	0.0091	0.031	< 0.348 U	< 0.375 U	< 0.343 U	< 0.347 U	< 0.385 U	< 0.382 U	< 0.339 U	---	---	---	---	---	---	---	---	---	---	
2-Chloronaphthalene	91-58-7	42	560	< 0.348 U	< 0.375 U	< 0.343 U	< 0.347 U	< 0.385 U	< 0.382 U	< 0.339 U	---	---	---	---	---	---	---	---	---	---	
2-Chlorophenol	95-57-8	0.75	10	< 0.348 U	< 0.375 U	< 0.343 U	< 0.347 U	< 0.385 U	< 0.382 U	< 0.339 U	---	---	---	---	---	---	---	---	---	---	
2-Methylnaphthalene	91-57-6	3.1	42	< 0.348 U	< 0.375 U	< 0.343 U	< 0.347 U	< 0.385 U	< 0.382 U	< 0.339 U	---	---	---	---	---	---	---	---	---	---	
2-Methylphenol	95-48-7	14	39	< 0.348 U	< 0.375 U	< 0.343 U	< 0.347 U	< 0.385 U	< 0.382 U	< 0.339 U	---	---	---	---	---	---	---	---	---	---	
2-Nitrolaniline	88-74-4	0.67	1.9	< 1.68 U	< 1.82 U	< 1.66 U	< 1.68 U	< 1.87 U	< 1.85 U	< 1.64 U	---	---	---	---	---	---	---	---	---	---	
2-Nitrophenol	88-75-5	NS	NS	< 0.348 U	< 0.375 U	< 0.343 U	< 0.347 U	< 0.385 U	< 0.382 U	< 0.339 U	---	---	---	---	---	---	---	---	---	---	
3&4-Methylphenol	3/4-Cresol	1.1	3	< 0.695 U	< 0.751 U	< 0.686 U	< 0.693 U	< 0.769 U	< 0.763 U	< 0.677 U	---	---	---	---	---	---	---	---	---	---	
3,3'-Dichlorobenzidine	91-94-1	0.062	0.21	< 0.695 U	< 0.751 U	< 0.686 U	< 0.693 U	< 0.769 U	< 0.763 U	< 0.677 U	---	---	---	---	---	---	---	---	---	---	
3,5,5-Trimethyl-2-Cyclohexene-1-One	78-59-1	5.3	18	< 0.348 U	< 0.375 U	< 0.343 U	< 0.347 U	< 0.385 U	< 0.382 U	< 0.339 U	---	---	---	---	---	---	---	---	---	---	
3-Nitrolaniline	99-09-2	NS	NS	< 1.68 U	< 1.82 U	< 1.66 U	< 1.68 U	< 1.87 U	< 1.85 U	< 1.64 U	---	---	---	---	---	---	---	---	---	---	
4,6-Dinitro-2-methylphenol	534-52-1	NS	NS	< 1.68 U	< 1.82 U	< 1.66 U	< 1.68 U	< 1.87 U	< 1.85 U	< 1.64 U	---	---	---	---	---	---	---	---	---	---	
4-Bromophenyl Phenyl Ether	101-55-3	NS	NS	< 0.348 U	< 0.375 U	< 0.343 U	< 0.347 U	< 0.385 U	< 0.382 U	< 0.339 U	---	---	---	---	---	---	---	---	---	---	
4-Chloro-3-methylphenol	59-50-7	NS	NS	< 0.695 U	< 0.751 U	< 0.686 U	< 0.693 U	< 0.769 U	< 0.763 U	< 0.677 U	---	---	---	---	---	---	---	---	---	---	
4-Chlorophenyl Phenyl Ether	7005-72-3	NS	NS	< 0.348 U	< 0.375 U	< 0.343 U	< 0.347 U	< 0.385 U	< 0.382 U	< 0.339 U	---	---	---	---	---	---	---	---	---	---	
4-Methylphenol	106-44-5	1.1	3	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
4-Nitrophenol	100-02-7	NS	NS	< 1.68 U	< 1.82 U	< 1.66 U	< 1.68 U	< 1.87 U	< 1.85 U	< 1.64 U	---	---	---	---	---	---	---	---	---	---	
Acenaphthene	83-32-9	130	1800	< 0.348 U	< 0.375 U	< 0.343 U	< 0.347 U	< 0.385 U	< 0.382 U	< 0.339 U	< 0.036 U	< 0.0079 U	< 0.0076 U	2.4	< 0.007 U	< 0.0069 U	< 0.008 U	< 0.007 U	< 0.007 U	< 0.0068 U	
Acenaphthylene	208-96-8	18	180	< 0.348 U	< 0.375 U	< 0.343 U	< 0.347 U	< 0.385 U	< 0.382 U	< 0.339 U	0.054	< 0.0079 U	< 0.0076 U	0.2	< 0.007 U	< 0.0069 U	0.02	< 0.007 U	< 0.007 U	< 0.0068 U	
Acetophenone	98-86-2	NS	NS	< 0.348 U	< 0.375 U	< 0.343 U	< 0.347 U	< 0.385 U	< 0.382 U	< 0.339 U	---	---	---	---	---	---	---	---	---	---	
Anthracene	120-12-7	2000	2000	< 0.348 U	< 0.375 U	< 0.343 U	< 0.347 U	< 0.385 U	< 0.382 U	< 0.339 U	0.32	< 0.0079 U	< 0.0076 U	3.7	< 0.007 U	< 0.0069 U	0.025	< 0.007 U	< 0.007 U	< 0.0068 U	
Atrazine	1912-24-9	0.048	0.21	< 0.348 U	< 0.375 U	< 0.343 U	< 0.347 U	< 0.385 U	< 0.382 U	< 0.339 U	---	---	---	---	---	---	---	---	---	---	
Benzaldehyde	100-52-7	NS	NS	< 0.348 U	< 0.375 U	< 0.343 U	< 0.347 U	0.488	< 0.382 U	< 0.339 U	---	---	---	---	---	---	---	---	---	---	
Benzo(a)anthracene	56-55-3	5	15	< 0.348 U	< 0.375 U	< 0.343 U	< 0.347 U	< 0.385 U	< 0.382 U	< 0.339 U	1.2	< 0.0079 U	0.011	7.1	< 0.007 U	< 0.0069 U	0.21	< 0.007 U	< 0.007 U	< 0.0068 U	
Benzo(a)pyrene	50-32-8	0.5	1.5	< 0.348 U	< 0.375 U	< 0.343 U	< 0.347 U	< 0.385 U	< 0.382 U	< 0.339 U	1.3	< 0.0079 U	0.011	5.6	< 0.007 U	< 0.0069 U	0.2	< 0.007 U	< 0.007 U	< 0.0068 U	
Benzo(b)fluoranthene	205-99-2	5	15	< 0.348 U	< 0.375 U	< 0.343 U	< 0.347 U	< 0.385 U	< 0.382 U	< 0.339 U	1.7	< 0.0079 U	< 0.0076 U	8.8	< 0.007 U	< 0.0069 U	0.24	< 0.007 U	< 0.007 U	< 0.0068 U	
Benzo(g,h,i)perylene	191-24-2	NS	NS	< 0.348 U	< 0.375 U	< 0.343 U	< 0.347 U	< 0.385 U	< 0.382 U	< 0.339 U	1.2	< 0.0079 U	< 0.0076 U	3.3	< 0.007 U	< 0.0069 U	0.13	< 0.007 U	< 0.007 U	< 0.0068 U	
Benzo(k)fluoranthene	207-08-9	50	150	< 0.348 U	< 0.375 U	< 0.343 U	< 0.347 U	< 0.385 U	< 0.382 U	< 0.339 U	0.75	< 0.0079 U	< 0.0076 U	1.1	< 0.007 U	< 0.0069 U	0.15	< 0.007 U	< 0.007 U	< 0.0068 U	
Benzyl Butyl Phthalate	85-68-7	310	310	< 0.348 U	< 0.375 U	< 0.343 U	< 0.347 U	< 0.385 U	< 0.382 U	< 0.339 U	---	---	---	---	---	---	---	---	---	---	
Biphenyl	92-52-4	NS	NS	< 0.348 U	< 0.375 U	< 0.343 U	< 0.347 U	< 0.385 U	< 0.382 U	< 0.339 U	---	---	---	---	---	---	---	---	---	---	
bis(2-Chloroethoxy)methane	111-91-1	NS	NS	< 0.348 U	< 0.375 U	< 0.343 U	< 0.347 U	< 0.385 U	< 0.382 U	< 0.339 U	---	---	---	---	---	---	---	---	---	---	
bis(2-Chloroethyl)ether	111-44-4	0.0007	0.012	< 0.348 U	< 0.375 U	< 0.343 U	< 0.347 U	< 0.385 U	< 0.382 U	< 0.339 U	---	---	---	---	---	---	---	---	---	---	
bis(2-Ethylhexyl)phthalate	117-81-7	300	980	< 0.348 U	< 0.375 U	< 0.343 U	< 0.347 U	< 0.385 U	< 0.382 U	< 0.339 U	---	---	---	---	---	---	---	---	---	---	
Caprolactam	105-60-2	NS	NS	< 0.348 U	< 0.375 U	< 0.343 U	< 0.347 U	< 0.385 U	< 0.382 U	< 0.339 U	---	---	---	---	---	---	---	---	---	---	
Carbazole	86-74-8	5.9	20	< 0.348 U	< 0.375 U	< 0.343 U	< 0.347 U	< 0.385 U	< 0.382 U	< 0.339 U	---	---	---	---	---	---	---	---	---	---	
Chrysene	218-01-9	500	1500	< 0.348 U	< 0.375 U	< 0.343 U	< 0.347 U	< 0.385 U	< 0.382 U	< 0.339 U	1.5	< 0.0079 U	0.013	6.8	< 0.007 U	< 0.0069 U	0.23	< 0.007 U	< 0.007 U	< 0.0068 U	
Dibenz(a,h)anthracene	53-70-3	0.5	1.5	< 0.348 U	< 0.375 U	< 0.343 U	< 0.347 U	< 0.385 U	< 0.382 U	< 0.339 U	0.23	< 0.0079 U	< 0.0076 U	< 0.15 U	< 0.007 U	< 0.0069 U	0.035	< 0.007 U	< 0.007 U	< 0.0068 U	
Dibenzofuran	132-64-9	4.9	65	< 0.348 U	< 0.375 U	< 0.343 U	< 0.347 U	< 0.385 U	< 0.382 U	< 0.339 U	---	---	---	---	---	---	---	---	---	---	
Diethyl Phthalate	84-66-2	450	840	< 0.348 U	< 0.375 U	< 0.343 U	< 0.347 U	< 0.385 U	< 0.382 U	< 0.339 U	---	---	---	---	---	---	---	---	---	---	
Dimethyl phthalate	131-11-3	1100	1100	< 0.348 U	< 0.375 U	< 0.343 U	< 0.347 U	< 0.385 U	< 0.382 U	< 0.339 U	---	---	---	---	---	---	---	---	---	---	
Di-n-butylphthalate	84-74-2	760	760	< 0.348 U	< 0.375 U	< 0.343 U	< 0.347 U	< 0.385 U	< 0.382 U	< 0.339 U	---	---	---	---	---	---	---	---	---	---	
Di-n-octyl phthalate	117-84-0	2000	2000	< 0.348 U	< 0.375 U	< 0.343 U	< 0.347 U	< 0.385 U	< 0.382 U	< 0.339 U	---	---	---	---	---	---	---	---	---	---	
Fluoranthene	206-44-0	2000	2000	< 0.348 U	< 0.375 U	< 0.343 U	< 0.347 U	0.62	0.496	< 0.339 U	3.1	< 0.0079 U	0.022	21	< 0.007 U	0.0093	0.45	< 0.007 U	< 0.007 U	< 0.0068 U	
Fluorene	86-73-7	170	2000	< 0.348 U	< 0.375 U	< 0.343 U	< 0.347 U	< 0.385 U	< 0.382 U	< 0.339 U	0.082	< 0.0079 U	< 0.0076 U	1.8	< 0.007 U	< 0.0069 U	< 0.008 U	< 0.007 U	< 0.007 U	< 0.0068 U	
Hexachloro-1,3-Butadiene	87-68-3	24	66	< 0.348 U	< 0.375 U	< 0.343 U	< 0.347 U	< 0.385 U	< 0.382 U	< 0.339 U	---	---	---	---	---	---	---	---	---	---	
Hexachlorobenzene	118-74-1	2.2	3.9	< 0.348 U	< 0.375 U	< 0.343 U	< 0.347 U	< 0.385 U	< 0.382 U	< 0.339 U	---	---	---	---	---	---	---	---	---	---	
Hexachlorocyclopentadiene	77-47-4	400	720	< 0.348 U	< 0.375 U	< 0.343 U	< 0.347 U	< 0.385 U	< 0.382 U	< 0.339 U	---	---	---	---	---	---	---	---	---	---	
Hexachloroethane	67-72-1	2.8	7.7	< 0.348 U	< 0.375 U	< 0.343 U	< 0.347 U	< 0.385 U	< 0.382 U</												

Table 4. SVOC Concentrations Soil, RACER Trust, Indianapolis, Indiana
Indianapolis - Stamping

				Site Name	AOI 3	AOI 3	AOI 3	AOI 3	AOI 3	AOI 3	AOI 3	AOI 4	AOI 4	AOI 4	AOI 5	AOI 5	AOI 5	AOI 5	AOI 5	AOI 5	AOI 5			
				Location ID	SB-03-1103	SB-03-1103	SB-03-1103	SB-03-1104	SB-03-1104	MW-1107	MW-1107	SB-04-1101	SB-04-1101	SB-04-1101	SB-05-1101	SB-05-1101	SB-05-1101	SB-05-1101	SB-05-1102	SB-05-1102	SB-05-1102			
				Sample Date	5/23/2011	5/23/2011	5/23/2011	5/23/2011	5/23/2011	5/19/2011	5/19/2011	9/8/2011	9/8/2011	9/8/2011	5/18/2011	5/18/2011	5/18/2011	5/18/2011	5/19/2011	5/19/2011	5/19/2011			
				Depth Interval	.5 - 1	10 - 12	8 - 10	1 - 1.5	8 - 10	8 - 10	10 - 12	0 - .5	4 - 6	8 - 9	1.5 - 2	1.5 - 2	4 - 6	8 - 10	1.3 - 1.8	2 - 4	8 - 10			
				Sample Type Code	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N			
Constituents ^b		CAS No	Residential Closure Level [†]	Industrial Closure Level [‡]																				
(mg/kg)																								
2,2'-oxybis(1-Chloropropane)	108-60-1	0.027	0.26	---	---	---	---	---	---	---	---	---	---	---	< 1.4 U	< 1.1 U	< 0.11 U	< 0.11 U	< 0.11 U	< 0.11 U	< 0.1 U			
2,4,5-Trichlorophenol	95-95-4	250	690	---	---	---	---	---	---	---	---	---	---	---	< 2.1 U*	< 1.7 U	< 0.16 U	< 0.16 U	< 0.17 U	< 0.17 U	< 0.16 U			
2,4,6-Trichlorophenol	88-06-2	0.07	0.2	---	---	---	---	---	---	---	---	---	---	---	< 2.1 U	< 1.7 U	< 0.16 U	< 0.16 U	< 0.17 U	< 0.17 U	< 0.16 U			
2,4-Dichlorophenol	120-83-2	1.1	3	---	---	---	---	---	---	---	---	---	---	---	< 2.1 U	< 1.7 U	< 0.16 U	< 0.16 U	< 0.17 U	< 0.17 U	< 0.16 U			
2,4-Dimethylphenol	105-67-9	9	25	---	---	---	---	---	---	---	---	---	---	---	< 2.1 U	< 1.7 U	< 0.16 U	< 0.16 U	< 0.17 U	< 0.17 U	< 0.16 U			
2,4-Dinitrophenol	51-28-5	0.29	0.82	---	---	---	---	---	---	---	---	---	---	---	< 4.7 U	< 3.8 U	< 0.35 U	< 0.35 U	< 0.37 U	< 0.37 U	< 0.34 U			
2,4-Dinitrotoluene	121-14-2	0.0091	0.031	---	---	---	---	---	---	---	---	---	---	---	< 2.8 U	< 2.3 U	< 0.21 U	< 0.21 U	< 0.22 U	< 0.23 U	< 0.21 U			
2,6-Dinitrotoluene	606-20-2	0.0091	0.031	---	---	---	---	---	---	---	---	---	---	---	< 2.8 U	< 2.3 U	< 0.21 U	< 0.21 U	< 0.22 U	< 0.23 U	< 0.21 U			
2-Chloronaphthalene	91-58-7	42	560	---	---	---	---	---	---	---	---	---	---	---	< 0.71 U	< 0.57 U	< 0.053 U	< 0.053 U	< 0.056 U	< 0.056 U	< 0.052 U			
2-Chlorophenol	95-57-8	0.75	10	---	---	---	---	---	---	---	---	---	---	---	< 0.71 U	< 0.57 U	< 0.053 U	< 0.053 U	< 0.056 U	< 0.056 U	< 0.052 U			
2-Methylnaphthalene	91-57-6	3.1	42	---	---	---	---	---	---	---	---	---	---	---	1.6	1.3	< 0.0071 U	< 0.0071 U	0.087	< 0.0075 U	0.012			
2-Methylphenol	95-48-7	14	39	---	---	---	---	---	---	---	---	---	---	---	< 2.8 U	< 2.3 U	< 0.21 U	< 0.21 U	< 0.22 U	< 0.23 U	< 0.21 U			
2-Nitrolaniline	88-74-4	0.67	1.9	---	---	---	---	---	---	---	---	---	---	---	< 2.8 U	< 2.3 U	< 0.21 U	< 0.21 U	< 0.22 U	< 0.23 U	< 0.21 U			
2-Nitrophenol	88-75-5	NS	NS	---	---	---	---	---	---	---	---	---	---	---	< 0.71 U	< 0.57 U	< 0.053 U	< 0.053 U	< 0.056 U	< 0.056 U	< 0.052 U			
3&4-Methylphenol	3/4-Cresol	1.1	3	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---			
3,3'-Dichlorobenzidine	91-94-1	0.062	0.21	---	---	---	---	---	---	---	---	---	---	---	< 1.4 U	< 1.1 U	< 0.11 U	< 0.11 U	< 0.11 U	< 0.11 U	< 0.1 U			
3,5,5-Trimethyl-2-Cyclohexene-1-One	78-59-1	5.3	18	---	---	---	---	---	---	---	---	---	---	---	< 0.71 U	< 0.57 U	< 0.053 U	< 0.053 U	< 0.056 U	< 0.056 U	< 0.052 U			
3-Nitrolaniline	99-09-2	NS	NS	---	---	---	---	---	---	---	---	---	---	---	< 2.8 U	< 2.3 U	< 0.21 U	< 0.21 U	< 0.22 U	< 0.23 U	< 0.21 U			
4,6-Dinitro-2-methylphenol	534-52-1	NS	NS	---	---	---	---	---	---	---	---	---	---	---	< 2.1 U	< 1.7 U	< 0.16 U	< 0.16 U	< 0.17 U	< 0.17 U	< 0.16 U			
4-Bromophenyl Phenyl Ether	101-55-3	NS	NS	---	---	---	---	---	---	---	---	---	---	---	< 0.71 U	< 0.57 U	< 0.053 U	< 0.053 U	< 0.056 U	< 0.056 U	< 0.052 U			
4-Chloro-3-methylphenol	59-50-7	NS	NS	---	---	---	---	---	---	---	---	---	---	---	< 2.1 U	< 1.7 U	< 0.16 U	< 0.16 U	< 0.17 U	< 0.17 U	< 0.16 U			
4-Chlorophenyl Phenyl Ether	7005-72-3	NS	NS	---	---	---	---	---	---	---	---	---	---	---	< 0.71 U	< 0.57 U*	< 0.053 U*	< 0.053 U*	< 0.056 U*	< 0.056 U*	< 0.052 U*			
4-Methylphenol	106-44-5	1.1	3	---	---	---	---	---	---	---	---	---	---	---	< 5.6 U	< 4.6 U	< 0.43 U	< 0.43 U	< 0.44 U	< 0.45 U	< 0.44 U			
4-Nitrophenol	100-02-7	NS	NS	---	---	---	---	---	---	---	---	---	---	---	< 4.7 U	< 3.8 U	< 0.35 U	< 0.35 U	< 0.37 U	< 0.37 U	< 0.34 U			
Acenaphthene	83-32-9	130	1800	0.011	< 0.0069 U	0.13	< 0.0083 U	< 0.007 U	< 0.0073 U	< 0.0069 U	---	---	---	---	0.65	0.42	< 0.0071 U	< 0.0071 U	0.024	< 0.0075 U	< 0.0069 U			
Acenaphthylene	208-96-8	180	180	0.011	< 0.0069 U	< 0.028 U	0.012	< 0.007 U	< 0.0073 U	< 0.0069 U	---	---	---	---	< 0.094 U	< 0.076 U	< 0.0071 U	< 0.0071 U	0.0083	< 0.0075 U	< 0.0069 U			
Acetophenone	98-86-2	NS	NS	---	---	---	---	---	---	---	---	---	---	---	< 1.4 U	< 1.1 U	< 0.11 U	< 0.11 U	< 0.11 U	< 0.11 U	< 0.1 U			
Anthracene	120-12-7	2000	2000	0.025	< 0.0069 U	0.44	0.017	< 0.007 U	< 0.0073 U	< 0.0069 U	---	---	---	---	1.2	0.37	< 0.0071 U	< 0.0071 U	0.036	< 0.0075 U	< 0.0069 U			
Atrazine	1912-24-9	0.048	0.21	---	---	---	---	---	---	---	---	---	---	---	< 2.8 U	< 2.3 U	< 0.21 U	< 0.21 U	< 0.22 U	< 0.23 U	< 0.21 U			
Benzaldehyde	100-52-7	NS	NS	---	---	---	---	---	---	---	---	---	---	---	< 1.4 U	< 1.1 U	< 0.11 U	< 0.11 U	< 0.11 U	< 0.11 U	< 0.1 U			
Benzo(a)anthracene	56-55-3	5	15	0.062	< 0.0069 U	1.1	0.076	< 0.007 U	0.012	< 0.0069 U	0.842	< 0.0058 U	< 0.0052 U	2.3 *	1	0.012	0.014	0.11	0.009	< 0.0069 U				
Benzo(a)pyrene	50-32-8	0.5	1.5	0.059	< 0.0069 U	0.9	0.076	< 0.007 U	< 0.0073 U	< 0.0069 U	0.755	< 0.0058 U	< 0.0052 U	2.3	1.2	0.012	0.011	0.1	< 0.0075 U	< 0.0069 U				
Benzo(b)fluoranthene	205-99-2	5	15	0.076	< 0.0069 U	1	0.098	< 0.007 U	0.012	< 0.0069 U	0.746	< 0.0058 U	< 0.0052 U	3.2	1.4	0.014	0.013	0.14	< 0.0075 U	< 0.0069 U				
Benzo(g,h,i)perylene	191-24-2	NS	NS	0.054	< 0.0069 U	0.61	0.06	< 0.007 U	< 0.0073 U	< 0.0069 U	---	---	---	---	1.7	0.86	< 0.0071 U	< 0.0071 U	0.068	< 0.0075 U	< 0.0069 U			
Benzo(k)fluoranthene	207-08-9	50	150	0.036	< 0.0069 U	0.51	0.055	< 0.007 U	< 0.0073 U	< 0.0069 U	0.696	< 0.0058 U	< 0.0052 U	1.2	0.69	< 0.0071 U	0.0083	0.049	< 0.0075 U	< 0.0069 U				
Benzyl Butyl Phthalate	85-68-7	310	310	---	---	---	---	---	---	---	---	---	---	---	< 0.71 U	< 0.57 U	< 0.053 U	< 0.053 U	< 0.056 U	< 0.056 U	< 0.052 U			
Biphenyl	92-52-4	NS	NS	---	---	---	---	---	---	---	---	---	---	---	< 0.71 U	< 0.57 U	< 0.053 U	< 0.053 U	< 0.056 U	< 0.056 U	< 0.052 U			
bis(2-Chloroethoxy)methane	111-91-1	NS	NS	---	---	---	---	---	---	---	---	---	---	---	< 1.4 U	< 1.1 U	< 0.11 U	< 0.11 U	< 0.11 U	< 0.11 U	< 0.1 U			
bis(2-Chloroethyl)ether	111-44-4	0.0007	0.012	---	---	---	---	---	---	---	---	---	---	---	< 1.4 U	< 1.1 U	< 0.11 U	< 0.11 U	< 0.11 U	< 0.11 U	< 0.1 U			
bis(2-Ethylhexyl)phthalate	117-81-7	300	980	---	---	---	---	---	---	---	---	---	---	---	< 0.71 U	< 0.57 U	0.022 J	0.32	< 0.056 U	< 0.056 U	0.11			
Caprolactam	105-60-2	NS	NS	---	---	---	---	---	---	---	---	---	---	---	< 4.7 U	< 3.8 U	< 0.35 U	< 0.35 U	< 0.37 U	< 0.37 U	< 0.34 U			
Carbazole	86-74-8	5.9	20	---	---	---	---	---	---	---	---	---	---	---	0.56 J	< 0.57 U	< 0.053 U	< 0.053 U	< 0.056 U	< 0.056 U	< 0.052 U			
Chrysene	218-01-9	500	1500	0.077	< 0.0069 U	0.99	0.085	< 0.007 U	0.012	< 0.0069 U	0.924	< 0.0058 U	< 0.0052 U	2.6	1.3	0.011	0.012	0.14	< 0.0075 U	< 0.0069 U				
Dibenz(a,h)anthracene	53-70-3	0.5	1.5	< 0.0085 U	< 0.0069 U	0.14	< 0.0083 U	< 0.007 U	< 0.0073 U	< 0.0069 U	0.251	< 0.0058 U	< 0.0052 U	< 0.094 U	< 0.076 U	< 0.0071 U	< 0.0071 U	< 0.0074 U	< 0.0075 U	< 0.0069 U				
Dibenzofuran	132-64-9	4.9	65	---	---	---	---	---	---	---	---	---	---	---	0.95	0.36 J	< 0.053 U	< 0.053 U	0.026 J	< 0.056 U	< 0.052 U			
Diethyl Phthalate	84-66-2	450	840	---	---	---	---	---	---	---	---	---	---	---	< 0.71 U	< 0.57 U	< 0.053 U	< 0.053 U	< 0.056 U	< 0.056 U	< 0.052 U			
Dimethyl phthalate	131-11-3	1100	1100	---	---	---	---	---	---	---	---	---	---	---	< 0.71 U	< 0.57 U	< 0.053 U	< 0.053 U	< 0.056 U	< 0.056 U	< 0.052 U			
Di-n-butylphthalate	84-74-2	760	760	---	---	---	---	---	---	---	---	---	---	---	< 0.71 U	< 0.57 U	< 0.053 U	< 0.053 U	< 0.056 U	< 0.056 U	0.019 J			
Di-n-octyl phthalate	117-84-0	2000	2000	---	---	---	---	---	---	---	---	---	---	---	< 0.71 U	< 0.57 U	< 0.053 U	< 0.053 U	< 0.056 U	< 0.056 U	< 0.052 U			
Fluoranthene	206-44-0	2000	2000	0.11	< 0.0069 U	3.1	0.15	< 0.007 U	0.018	< 0.0069 U	---	---	---	---	5.9	1.7	0.014	0.028	0.18	0.013	0.0086			
Fluorene	86-73-7	170	2000	0.0086	< 0.0069 U	0.096	< 0.0083 U	< 0.007 U	< 0.0073 U	< 0.0069 U	---	---	---	---	1.1	0.21	< 0.0071 U	< 0.0071 U	0.025	< 0.0075 U	< 0.0069 U			
Hexachloro-1,3-Butadiene	87-68-3	24	66	---	---	---	---	---	---	---	---	---	---	---	< 0.71 U	< 0.57 U	< 0.053 U	< 0.053 U	< 0.056 U	< 0.056 U	< 0.052 U			
Hexachlorobenzene	118-74-1	2.2	3.9	---	---	---	---	---	---	---	---	---	---	---	< 0.094 U	< 0.076 U	< 0.0071 U	< 0.0071 U	< 0.0074 U	< 0.0075 U	< 0.0069 U			
Hexachlorocyclopentadiene	77-47-4	400	720	---	---	---	---	---	---	---	---	---	---	---	< 4.7 U	< 3.8 U	< 0.35 U	< 0.35 U	< 0.37 U	< 0.37 U	< 0.34 U			
Hexachloroethane	67-72-1	2.8	7.7	---	---	---	---	---	---	---	---	---	---	---	< 0.71 U	< 0.57 U	< 0.053 U	< 0.053 U	< 0.056 U	< 0.056 U	< 0.052 U			
Indeno(1,2,3-cd)pyrene	193-39-5	5	15	0.033	< 0.0069 U	0.51	0.047	< 0.007 U	< 0.0073 U	< 0.0069 U	0.458	< 0.0058 U	< 0.0052 U	1.3	0.63	< 0.0071 U								

Table 4. SVOC Concentrations Soil, RACER Trust, Indianapolis, Indiana
Indianapolis - Stamping

Site Name				AOI 5	AOI 5	AOI 5	AOI 5	AOI 5	AOI 7	AOI 7	AOI 7	AOI 7	AOI 7	AOI 7	AOI 9	AOI 10	AOI 10	AOI 10	AOI 10	AOI 10	AOI 10	AOI 11	AOI 11	AOI 11
Location ID				SB-05-1103	SB-05-1103	SB-05-1103	SB-05-1104	SB-05-1104	SB-07-1101	SB-07-1102	SB-07-1102	SB-07-1102	SB-07-1102	SB-07-1102	SB-09-1101	SB-10-1101	SB-10-1101	SB-10-1101	SB-10-1101	SB-10-1102	SB-10-1102	SB-11-1101	SB-11-1101	SB-11-1101
Sample Date				5/18/2011	5/18/2011	5/18/2011	5/19/2011	5/19/2011	5/24/2011	5/24/2011	5/24/2011	5/24/2011	5/24/2011	5/24/2011	5/24/2011	5/24/2011	5/25/2011	5/25/2011	5/25/2011	5/25/2011	5/25/2011	5/24/2011	5/24/2011	5/24/2011
Depth Interval				1.2 - 1.7	4 - 6	8 - 10	1 - 1.5	6 - 10	4 - 6	1.2 - 1.7	2 - 4	4 - 6	1.5 - 2	4 - 6	1 - 1.5	1.5 - 2	4 - 6	6 - 8	1.5 - 2	4 - 6	6 - 8	1.5 - 2	2 - 4	6 - 8
Sample Type Code				N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Constituents ^o																								
(mg/kg)																								
CAS No																								
Residential Closure Level [†]																								
Industrial Closure Level [‡]																								
2,2'-oxybis(1-Chloropropane)	108-60-1	0.027	0.26	< 0.58 U	< 0.59 U	< 0.1 U	< 2.1 U	< 0.12 U	< 0.12 U	< 12 U	< 0.13 U	< 0.13 U	< 0.11 U	< 0.12 U	< 2.1 U	---	---	---	---	---	---	< 2.3 U	< 3.1 U	< 0.12 U
2,4,5-Trichlorophenol	95-95-4	250	690	< 0.87 U*	< 0.89 U	< 0.15 U*	< 3.2 U	< 0.18 U	< 0.18 U	< 18 U	< 0.19 U	< 0.19 U	< 0.16 U	< 0.18 U	< 3.2 U	---	---	---	---	---	---	---	---	---
2,4,6-Trichlorophenol	88-06-2	0.07	0.2	< 0.87 U	< 0.89 U	< 0.18 U	< 3.2 U	< 0.18 U	< 0.18 U	< 18 U	< 0.19 U	< 0.19 U	< 0.16 U	< 0.18 U	< 3.2 U	---	---	---	---	---	---	---	---	---
2,4-Dichlorophenol	120-83-2	1.1	3	< 0.87 U	< 0.89 U	< 0.15 U	< 3.2 U	< 0.18 U	< 0.18 U	< 18 U	< 0.19 U	< 0.19 U	< 0.16 U	< 0.18 U	< 3.2 U	---	---	---	---	---	---	---	---	---
2,4-Dimethylphenol	105-67-9	9	25	< 0.87 U	< 0.89 U	< 0.15 U	< 3.2 U	< 0.18 U	< 0.18 U	< 18 U	< 0.19 U	< 0.19 U	< 0.16 U	< 0.18 U	< 3.2 U	---	---	---	---	---	---	---	---	---
2,4-Dinitrophenol	51-28-5	0.29	0.82	< 1.9 U	< 2 U	< 0.34 U	< 7.1 U	< 0.4 U	< 0.4 U	< 39 U	< 0.42 U	< 0.41 U	< 0.36 U	< 0.4 U	< 7.1 U	---	---	---	---	---	---	---	---	---
2,4-Dinitrotoluene	121-14-2	0.0091	0.031	< 1.2 U	< 1.2 U	< 0.2 U	< 4.3 U	< 0.24 U	< 0.24 U	< 24 U	< 0.26 U	< 0.25 U	< 0.22 U	< 0.24 U	< 4.3 U	---	---	---	---	---	---	< 4.6 U	< 6.3 U	< 0.24 U
2,6-Dinitrotoluene	606-20-2	0.0091	0.031	< 1.2 U	< 1.2 U	< 0.2 U	< 4.3 U	< 0.24 U	< 0.24 U	< 24 U	< 0.26 U	< 0.25 U	< 0.22 U	< 0.24 U	< 4.3 U	---	---	---	---	---	---	< 4.6 U	< 6.3 U	< 0.24 U
2-Chloronaphthalene	91-58-7	42	560	< 0.29 U	< 0.3 U	< 0.051 U	< 1.1 U	< 0.061 U	< 0.061 U	< 6 U	< 0.064 U	< 0.063 U	< 0.054 U	< 0.06 U	< 1.1 U	---	---	---	---	---	---	< 1.1 U	< 1.6 U	< 0.061 U
2-Chlorophenol	95-57-8	0.75	10	< 0.29 U	< 0.3 U	< 0.051 U	< 1.1 U	< 0.061 U	< 0.061 U	< 6 U	< 0.064 U	< 0.063 U	< 0.054 U	< 0.06 U	< 1.1 U	---	---	---	---	---	---	---	---	---
2-Methylnaphthalene	91-57-6	3.1	42	0.39	0.37	0.019	0.4	< 0.0081 U	< 0.0081 U	1.3	< 0.0086 U	< 0.0084 U	< 0.0072 U	< 0.0081 U	< 0.14 U	---	---	---	---	---	---	0.42	1.2	< 0.0081 U
2-Methylphenol	95-48-7	14	39	< 1.2 U	< 1.2 U	< 0.2 U	< 4.3 U	< 0.24 U	< 0.24 U	< 24 U	< 0.26 U	< 0.25 U	< 0.22 U	< 0.24 U	< 4.3 U	---	---	---	---	---	---	---	---	---
2-Nitrolaniline	88-74-4	0.67	1.9	< 1.2 U	< 1.2 U	< 0.2 U	< 4.3 U	< 0.24 U	< 0.24 U	< 24 U	< 0.26 U	< 0.25 U	< 0.22 U	< 0.24 U	< 4.3 U	---	---	---	---	---	---	< 4.6 U	< 6.3 U	< 0.24 U
2-Nitrophenol	88-75-5	NS	NS	< 0.29 U	< 0.3 U	< 0.051 U	< 1.1 U	< 0.061 U	< 0.061 U	< 6 U	< 0.064 U	< 0.063 U	< 0.054 U	< 0.06 U	< 1.1 U	---	---	---	---	---	---	---	---	---
3&4-Methylphenol	3/4-Cresol	1.1	3	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
3,3'-Dichlorobenzidine	91-94-1	0.062	0.21	< 0.58 U	< 0.59 U	< 0.1 U	< 2.1 U	< 0.12 U	< 0.12 U	< 12 U	< 0.13 U	< 0.13 U	< 0.11 U	< 0.12 U	< 2.1 U	---	---	---	---	---	---	< 2.3 U	< 3.1 U	< 0.12 U
3,5,5-Trimethyl-2-Cyclohexene-1-One	78-59-1	5.3	18	< 0.29 U	< 0.3 U	< 0.051 U	< 1.1 U	< 0.061 U	< 0.061 U	< 6 U	< 0.064 U	< 0.063 U	< 0.054 U	< 0.06 U	1.7	---	---	---	---	---	---	< 1.1 U	< 1.6 U	< 0.061 U
3-Nitrolaniline	99-09-2	NS	NS	< 1.2 U	< 1.2 U	< 0.2 U	< 4.3 U	< 0.24 U	< 0.24 U	< 24 U	< 0.26 U	< 0.25 U	< 0.22 U	< 0.24 U	< 4.3 U	---	---	---	---	---	---	< 4.6 U	< 6.3 U	< 0.24 U
4,6-Dinitro-2-methylphenol	534-52-1	NS	NS	< 0.87 U	< 0.89 U	< 0.15 U	< 3.2 U	< 0.18 U	< 0.18 U	< 18 U	< 0.19 U	< 0.19 U	< 0.16 U	< 0.18 U	< 3.2 U	---	---	---	---	---	---	---	---	---
4-Bromophenyl Phenyl Ether	101-55-3	NS	NS	< 0.29 U	< 0.3 U	< 0.051 U	< 1.1 U	< 0.061 U	< 0.061 U	< 6 U	< 0.064 U	< 0.063 U	< 0.054 U	< 0.06 U	< 1.1 U	---	---	---	---	---	---	< 1.1 U	< 1.6 U	< 0.061 U
4-Chloro-3-methylphenol	59-50-7	NS	NS	< 0.87 U	< 0.89 U	< 0.15 U	< 3.2 U	< 0.18 U	< 0.18 U	< 18 U	< 0.19 U	< 0.19 U	< 0.16 U	< 0.18 U	< 3.2 U	---	---	---	---	---	---	---	---	---
4-Chlorophenyl Phenyl Ether	7005-72-3	NS	NS	< 0.29 U	< 0.3 U	< 0.051 U	< 1.1 U*	< 0.061 U*	< 0.061 U	< 6 U	< 0.064 U	< 0.063 U	< 0.054 U*	< 0.06 U*	< 1.1 U	---	---	---	---	---	---	< 1.1 U	< 1.6 U	< 0.061 U
4-Methylphenol	106-44-5	1.1	3	< 2.3 U	< 2.4 U	< 0.41 U	< 8.6 U	< 0.49 U	< 0.49 U	< 48 U	< 0.51 U	< 0.5 U	< 0.43 U	< 0.48 U	< 8.6 U	---	---	---	---	---	---	< 1.1 U	< 1.6 U	< 0.061 U
4-Nitrophenol	100-02-7	NS	NS	< 1.9 U	< 2 U	< 0.34 U	< 7.1 U	< 0.4 U	< 0.4 U	< 39 U	< 0.42 U	< 0.41 U	< 0.36 U	< 0.4 U	< 7.1 U	---	---	---	---	---	---	---	---	---
Acenaphthene	83-32-9	130	1800	0.14	0.15	0.039	< 0.14 U	< 0.0081 U	< 0.0081 U	< 0.8 U	< 0.0086 U	< 0.0084 U	< 0.0072 U	0.019	< 0.14 U	< 0.008 U	< 0.0071 U	< 0.0073 U	< 0.0077 U	< 0.0077 U	< 0.0075 U	< 0.15 U	< 0.21 U	< 0.0081 U
Acenaphthylene	208-96-8	18	180	< 0.039 U	0.027 J	0.012	< 0.14 U	< 0.0081 U	< 0.0081 U	< 0.8 U	< 0.0086 U	< 0.0084 U	< 0.0072 U	0.0085	< 0.14 U	< 0.008 U	< 0.0071 U	< 0.0073 U	< 0.0077 U	< 0.0077 U	< 0.0075 U	< 0.15 U	< 0.21 U	< 0.0081 U
Acetophenone	98-86-2	NS	NS	< 0.58 U	< 0.59 U	< 0.1 U	< 2.1 U	< 0.12 U	< 0.12 U	< 12 U	< 0.13 U	< 0.13 U	< 0.11 U	< 0.12 U	< 2.1 U	---	---	---	---	---	---	< 2.3 U	< 3.1 U	< 0.12 U
Anthracene	120-12-7	2000	2000	0.14	0.2	0.1	< 0.14 U	< 0.0081 U	0.021	< 0.8 U	< 0.0086 U	< 0.0084 U	0.011	0.049	< 0.14 U	< 0.008 U	< 0.0071 U	< 0.0073 U	0.0048 J	< 0.0077 U	< 0.0075 U	0.26	< 0.21 U	< 0.0081 U
Atrazine	1912-24-9	0.048	0.21	< 1.2 U	< 1.2 U	< 0.2 U	< 4.3 U	< 0.24 U	< 0.24 U	< 24 U	< 0.26 U	< 0.25 U	< 0.22 U	< 0.24 U	< 4.3 U	---	---	---	---	---	---	< 4.6 U	< 6.3 U	< 0.24 U
Benzaldehyde	100-52-7	NS	NS	< 0.58 U	< 0.59 U	< 0.1 U	< 2.1 U	< 0.12 U	< 0.12 U	< 12 U	< 0.13 U	< 0.13 U	< 0.11 U	< 0.12 U	< 2.1 U	---	---	---	---	---	---	< 2.3 U	< 3.1 U	< 0.12 U
Benzo(a)anthracene	56-55-3	5	15	0.48 *	0.78	0.2 *	0.39	< 0.0081 U	0.051	< 0.8 U	< 0.0086 U	< 0.0084 U	0.037	0.12	< 0.14 U	< 0.008 U	< 0.0071 U	< 0.0073 U	0.024	< 0.0077 U	< 0.0075 U	0.92	< 0.21 U	< 0.0081 U
Benzo(a)pyrene	50-32-8	0.5	1.5	0.51	0.79	0.16	0.52	< 0.0081 U	0.049	< 0.8 U	< 0.0086 U	< 0.0084 U	0.037	0.11	< 0.14 U	< 0.008 U	< 0.0071 U	< 0.0073 U	0.026	< 0.0077 U	< 0.0075 U	0.93	< 0.21 U	< 0.0081 U
Benzo(b)fluoranthene	205-99-2	5	15	0.74	1.2	0.22	0.49	< 0.0081 U	0.074	< 0.8 U	< 0.0086 U	< 0.0084 U	0.052	0.14	< 0.14 U	< 0.008 U	< 0.0071 U	< 0.0073 U	0.028	< 0.0077 U	< 0.0075 U	1.5	< 0.21 U	< 0.0081 U
Benzo(g,h,i)perylene	91-24-2	NS	NS	0.43	0.59	0.098	0.59	< 0.0081 U	0.04	< 0.8 U	< 0.0086 U	< 0.0084 U	0.034	0.084	< 0.14 U	< 0.008 U	< 0.0071 U	< 0.0073 U	0.023	< 0.0077 U	< 0.0075 U	0.73	< 0.21 U	< 0.0081 U
Benzo(k)fluoranthene	207-08-9	50	150	0.35	0.57	0.13	0.3	< 0.0081 U	0.046	< 0.8 U	< 0.0086 U	< 0.0084 U	0.023	0.057	< 0.14 U	< 0.008 U	< 0.0071 U	< 0.0073 U	0.02	< 0.0077 U	< 0.0075 U	0.69	< 0.21 U	< 0.0081 U
Benzyl Butyl Phthalate	85-68-7	310	310	< 0.29 U	< 0.3 U	< 0.051 U	< 1.1 U	< 0.061 U	< 0.061 U	< 6 U	< 0.064 U	< 0.063 U	< 0.054 U	< 0.06 U	< 1.1 U	---	---	---	---	---	---	< 1.1 U	< 1.6 U	< 0.061 U
Biphenyl	92-52-4	NS	NS	< 0.29 U	< 0.3 U	< 0.051 U	< 1.1 U	< 0.061 U	< 0.061 U	< 6 U	< 0.064 U	< 0.063 U	< 0.054 U	< 0.06 U	< 1.1 U	---	---	---	---	---	---	< 1.1 U	< 1.6 U	< 0.061 U
bis(2-Chloroethoxy)methane	111-91-1	NS	NS	< 0.58 U	< 0.59 U	< 0.1 U	< 2.1 U	< 0.12 U	< 0.12 U	< 12 U	< 0.13 U	< 0.13 U	< 0.11 U	< 0.12 U	< 2.1 U	---	---	---	---	---	---	< 2.3 U	< 3.1 U	< 0.12 U
bis(2-Chloroethyl)ether	111-44-4	0.0007	0.012	< 0.58 U	0.042 J	< 0.1 U	< 2.1 U	< 0.12 U	< 0.12 U	< 12 U	< 0.13 U	< 0.13 U	< 0.11 U	< 0.12 U	< 2.1 U	---	---	---	---	---	---	< 2.3 U	< 3.1 U	< 0.12 U
bis(2-Ethylhexyl)phthalate	117-81-7	300	980	< 0.29 U	< 0.3 U	0.12	< 1.1 U	0.094	< 0.061 U	< 6 U	< 0.064 U	< 0.063 U	0.026 J	< 0.06 U	< 1.1 U	---	---	---	---	---	---	< 1.1 U	< 1.6 U	< 0.061 U
Caprolactam	105-60-2	NS	NS	< 1.9 U	< 2 U	< 0.34 U	< 7.1 U	< 0.4 U	< 0.4 U	< 39 U	< 0.42 U	< 0.41 U	< 0.36 U	< 0.4 U	<									

Notes located on final page.

Table 4. SVOC Concentrations Soil, RACER Trust, Indianapolis, Indiana
Indianapolis - Stamping

Site Name Location ID Sample Date Depth Interval Sample Type Code				AOI 15 SB-15-1101 5/24/2011 4 - 6 N	AOI 15 SB-15-1101 5/24/2011 6 - 8 N	AOI 15 SB-15-1101 5/24/2011 8 - 10 N	AOI 17 MW-1112 5/17/2011 .7 - 1.2 N	AOI 17 MW-1112 5/17/2011 2 - 4 N	AOI 17 MW-1112 5/17/2011 8 - 10 N
Constituents ^o (mg/kg)	CAS No	Residential Closure Level [†]	Industrial Closure Level [‡]						
2,2'-oxybis(1-Chloropropane)	108-60-1	0.027	0.26	< 2.4 UH	< 0.12 UH	< 0.11 U	< 0.12 U	< 0.45 U	< 0.11 U
2,4,5-Trichlorophenol	95-95-4	250	690	< 3.6 UH	< 0.17 UH	< 0.16 U	< 0.17 U*	< 0.67 U	< 0.17 U
2,4,6-Trichlorophenol	88-06-2	0.07	0.2	< 3.6 UH	< 0.17 UH	< 0.16 U	< 0.17 U	< 0.67 U	< 0.17 U
2,4-Dichlorophenol	120-83-2	1.1	3	< 3.6 UH	< 0.17 UH	< 0.16 U	< 0.17 U	< 0.67 U	< 0.17 U
2,4-Dimethylphenol	105-67-9	9	25	< 3.6 UH	< 0.17 UH	< 0.16 U	< 0.17 U	< 0.67 U	< 0.17 U
2,4-Dinitrophenol	51-28-5	0.29	0.82	< 7.9 UH	< 0.38 UH	< 0.35 U	< 0.38 U	< 1.5 U	< 0.37 U
2,4-Dinitrotoluene	121-14-2	0.0091	0.031	< 4.8 UH	< 0.23 UH	< 0.21 U	< 0.23 U	< 0.9 U	< 0.22 U
2,6-Dinitrotoluene	606-20-2	0.0091	0.031	< 4.8 UH	< 0.23 UH	< 0.21 U	< 0.23 U	< 0.9 U	< 0.22 U
2-Chloronaphthalene	91-58-7	42	560	< 1.2 UH	< 0.058 UH	< 0.053 U	< 0.058 U	< 0.22 U	< 0.056 U
2-Chlorophenol	95-57-8	0.75	10	< 1.2 UH	< 0.058 UH	< 0.053 U	< 0.058 U	< 0.22 U	< 0.056 U
2-Methylnaphthalene	91-57-6	3.1	42	< 0.16 UH	< 0.0078 UH	< 0.007 U	0.028	0.27	0.0053 J
2-Methylphenol	95-48-7	14	39	< 4.8 UH	< 0.23 UH	< 0.21 U	< 0.23 U	< 0.9 U	< 0.22 U
2-Nitroaniline	88-74-4	0.67	1.9	< 4.8 UH	< 0.23 UH	< 0.21 U	< 0.23 U	< 0.9 U	< 0.22 U
2-Nitrophenol	88-75-5	NS	NS	< 1.2 UH	< 0.058 UH	< 0.053 U	< 0.058 U	< 0.22 U	< 0.056 U
3&4-Methylphenol	3/4-Cresol	1.1	3	---	---	---	---	---	---
3,3'-Dichlorobenzidine	91-94-1	0.062	0.21	< 2.4 UH*	< 0.12 UH*	< 0.11 U	< 0.12 U	< 0.45 U	< 0.11 U
3,5,5-Trimethyl-2-Cyclohexene-1-One	78-59-1	5.3	18	< 1.2 UH	< 0.058 UH	< 0.053 U	< 0.058 U	< 0.22 U	< 0.056 U
3-Nitroaniline	99-09-2	NS	NS	< 4.8 UH	< 0.23 UH	< 0.21 U	< 0.23 U	< 0.9 U	< 0.22 U
4,6-Dinitro-2-methylphenol	534-52-1	NS	NS	< 3.6 UH	< 0.17 UH	< 0.16 U	< 0.17 U	< 0.67 U	< 0.17 U
4-Bromophenyl Phenyl Ether	101-55-3	NS	NS	< 1.2 UH	< 0.058 UH	< 0.053 U	< 0.058 U	< 0.22 U	< 0.056 U
4-Chloro-3-methylphenol	59-50-7	NS	NS	< 3.6 UH	< 0.17 UH	< 0.16 U	< 0.17 U	< 0.67 U	< 0.17 U
4-Chlorophenyl Phenyl Ether	7005-72-3	NS	NS	< 1.2 UH	< 0.058 UH	< 0.053 U	< 0.058 U	< 0.22 U	< 0.056 U
4-Methylphenol	106-44-5	1.1	3	< 9.5 UH	< 0.47 UH	< 0.42 U	< 0.46 U	< 1.8 U	< 0.45 U
4-Nitrophenol	100-02-7	NS	NS	< 7.9 UH	< 0.38 UH	< 0.35 U	< 0.38 U	< 1.5 U	< 0.37 U
Acenaphthene	83-32-9	130	1800	< 0.16 UH	< 0.0078 UH	< 0.007 U	< 0.0077 U	0.053	< 0.0075 U
Acenaphthylene	208-96-8	18	180	< 0.16 UH	< 0.0078 UH	< 0.007 U	0.006 J	0.023 J	< 0.0075 U
Acetophenone	98-86-2	NS	NS	< 2.4 UH	< 0.12 UH	< 0.11 U	< 0.12 U	< 0.45 U	< 0.11 U
Anthracene	120-12-7	2000	2000	< 0.16 UH	< 0.0078 UH	< 0.007 U	0.018	0.11	0.0039 J
Atrazine	1912-24-9	0.048	0.21	< 4.8 UH	< 0.23 UH	< 0.21 U	< 0.23 U	< 0.9 U	< 0.22 U
Benzaldehyde	100-52-7	NS	NS	< 2.4 UH	< 0.12 UH	< 0.11 U	< 0.12 U	< 0.45 U	< 0.11 U
Benzo(a)anthracene	56-55-3	5	15	< 0.16 UH	< 0.0078 UH	< 0.007 U	0.08 *	0.28	0.011
Benzo(a)pyrene	50-32-8	0.5	1.5	< 0.16 UH	< 0.0078 UH	< 0.007 U	0.094	0.28	0.011
Benzo(b)fluoranthene	205-99-2	5	15	< 0.16 UH	< 0.0078 UH	< 0.007 U	0.13	0.4	0.02
Benzo(g,h,i)perylene	191-24-2	NS	NS	< 0.16 UH	< 0.0078 UH	< 0.007 U	0.096	0.2	0.0086
Benzo(k)fluoranthene	207-08-9	50	150	< 0.16 UH	< 0.0078 UH	< 0.007 U	0.054	0.16	< 0.0075 U
Benzyl Butyl Phthalate	85-68-7	310	310	< 1.2 UH	< 0.058 UH	< 0.053 U	< 0.058 U	< 0.22 U	< 0.056 U
Biphenyl	92-52-4	NS	NS	< 1.2 UH	< 0.058 UH	< 0.053 U	< 0.058 U	< 0.22 U	< 0.056 U
bis(2-Chloroethoxy)methane	111-91-1	NS	NS	< 2.4 UH	< 0.12 UH	< 0.11 U	< 0.12 U	< 0.45 U	< 0.11 U
bis(2-Chloroethyl)ether	111-44-4	0.0007	0.012	< 2.4 UH	< 0.12 UH	< 0.11 U	< 0.12 U	< 0.45 U	< 0.11 U
bis(2-Ethylhexyl)phthalate	117-81-7	300	980	< 1.2 UH	0.078 HB	< 0.053 U	< 0.058 U	< 0.22 U	0.28
Caprolactam	105-60-2	NS	NS	< 7.9 UH	< 0.38 UH	< 0.35 U	< 0.38 U	< 1.5 U	< 0.37 U
Carbazole	86-74-8	5.9	20	< 1.2 UH	< 0.058 UH	< 0.053 U	< 0.058 U	< 0.22 U	< 0.056 U
Chrysene	218-01-9	500	1500	< 0.16 UH	< 0.0078 UH	< 0.007 U	0.089	0.34	0.015
Dibenz(a,h)anthracene	53-70-3	0.5	1.5	< 0.16 UH	< 0.0078 UH	< 0.007 U	< 0.0077 U	< 0.03 U	< 0.0075 U
Dibenzofuran	132-64-9	4.9	65	< 1.2 UH	< 0.058 UH	< 0.053 U	0.023 J	0.076 J	< 0.056 U
Diethyl Phthalate	84-66-2	450	840	< 1.2 UH	< 0.058 UH	< 0.053 U	< 0.058 U	< 0.22 U	0.023 J
Dimethyl phthalate	131-11-3	1100	1100	< 1.2 UH	< 0.058 UH	< 0.053 U	< 0.058 U	< 0.22 U	< 0.056 U
Di-n-butylphthalate	84-74-2	760	760	< 1.2 UH	< 0.058 UH	< 0.053 U	< 0.058 U	< 0.22 U	0.019 J
Di-n-octyl phthalate	117-84-0	2000	2000	< 1.2 UH	< 0.058 UH	< 0.053 U	< 0.058 U	< 0.22 U	< 0.056 U
Fluoranthene	206-44-0	2000	2000	< 0.16 UH	< 0.0078 UH	< 0.007 U	0.16	0.71	0.027
Fluorene	86-73-7	170	2000	< 0.16 UH	< 0.0078 UH	< 0.007 U	0.0055 J	0.063	< 0.0075 U
Hexachloro-1,3-Butadiene	87-68-3	24	66	< 1.2 UH	< 0.058 UH	< 0.053 U	< 0.058 U	< 0.22 U	< 0.056 U
Hexachlorobenzene	118-74-1	2.2	3.9	< 0.16 UH	< 0.0078 UH	< 0.007 U	< 0.0077 U	< 0.03 U	< 0.0075 U
Hexachlorocyclopentadiene	77-47-4	400	720	< 7.9 UH	< 0.38 UH	< 0.35 U	< 0.38 U	< 1.5 U	< 0.37 U
Hexachloroethane	67-72-1	2.8	7.7	< 1.2 UH	< 0.058 UH	< 0.053 U	< 0.058 U	< 0.22 U	< 0.056 U
Indeno(1,2,3-cd)pyrene	193-39-5	5	15	< 0.16 UH	< 0.0078 UH	< 0.007 U	0.066	0.17	< 0.0075 U
Naphthalene	91-20-3	0.7	170	---	---	---	---	---	---
Nitrobenzene	98-95-3	0.028	0.34	< 2.4 UH	< 0.12 UH	< 0.11 U	< 0.12 U	< 0.45 U	< 0.11 U
N-Nitrosodi-n-propylamine	621-64-7	0.0006	0.002	< 1.2 UH	< 0.058 UH	< 0.053 U	< 0.058 U	< 0.22 U	< 0.056 U
N-Nitrosodiphenylamine	86-30-6	9.7	32	< 1.2 UH	< 0.058 UH	< 0.053 U	< 0.058 U	< 0.22 U	< 0.056 U
p-Chloroaniline	106-47-8	0.97	2.7	< 3.6 UH	< 0.17 UH	< 0.16 U	< 0.17 U	< 0.67 U	< 0.17 U
Pentachlorophenol	87-86-5	0.028	0.66	< 3.6 UH	< 0.17 UH	< 0.16 U	< 0.17 U	< 0.67 U	< 0.17 U
Phenanthrene	85-01-8	13	170	< 0.16 UH	< 0.0078 UH	< 0.007 U	0.11	0.51	0.02
Phenol	108-95-2	56	160	< 1.2 UH	< 0.058 UH	< 0.053 U	< 0.058 U	< 0.22 U	< 0.056 U
p-Nitroaniline	100-01-6	NS	NS	< 4.8 UH	< 0.23 UH	< 0.21 U	< 0.23 U	< 0.9 U	< 0.22 U
Pyrene	129-00-0	2000	2000	< 0.16 UH	< 0.0078 UH	< 0.007 U	0.13	0.56	0.024
Percent Moisture (%)	Moist	NS	NS	---	---	---	---	---	---
pH	pH	NS	NS	---	---	---	---	---	---

Notes:

- Ø Results obtained using analytical method EPA SW846 8270, SW846 8270c via glass jar with teflon lined lid.
- mg/kg Milligrams per kilogram
- % Percentage
- Constituent not analyzed
- AOI Area of Interest
- N Normal sample
- FD Field duplicate sample
- NS No screening level
- IDEM Indiana Department of Environmental Management
- RISC Risk Integrated System of Closure
- † IDEM RISC Residential Closure Levels (2009)
- ‡ IDEM RISC Industrial Closure Levels (2009)
- Bold** Constituent exceeds IDEM RISC Residential Closure Levels
- Italics** Constituent exceeds IDEM RISC Industrial Closure Level
- < Constituent below the laboratory detection limit.
- J Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.
- U Indicates the compound was analyzed for, but not detected.
- B Analyte detected method blank but was not detected in the associated samples.

Table 5. SVOC Concentrations in Groundwater, RACER Trust, Indianapolis, Indiana, Indianapolis - Stamping

Site Name Location ID Sample Date Sample Type Code				AOI 2 MW-1106 5/27/2011 N	AOI 3 MW-1107 5/27/2011 N	AOI 7 MW-1108 5/27/2011 N	AOI 8 MW-1109 5/27/2011 N	AOI 8 MW-1110 5/27/2011 N	AOI 8 MW-1111 5/27/2011 N	AOI 8 MW-1116 9/13/2011 N	AOI 8 MW-1116 9/13/2011 FD	AOI 8 MW-1117 9/13/2011 N	AOI 17 MW-1112 5/24/2011 N	AOI 17 MW-1112 5/24/2011 FD
Constituents ^o (mg/L)	CAS No	Residential Closure Level [†]	Industrial Closure Level [‡]											
2,2'-oxybis(1-Chloropropane)	108-60-1	0.0042	0.041	---	---	< 0.001 U	< 0.0011 U	< 0.001 U	< 0.00095 U	< 0.0051 U	< 0.0052 U	< 0.0051 U	< 0.001 U	< 0.00098 UH
2,4,5-Trichlorophenol	95-95-4	3.6	10	---	---	---	---	---	---	< 0.0051 U	< 0.0052 U	< 0.0051 U	< 0.0052 U	< 0.0049 UH
2,4,6-Trichlorophenol	88-06-2	0.0036	0.01	---	---	---	---	---	---	< 0.0051 U	< 0.0052 U	< 0.0051 U	< 0.0052 U	< 0.0049 UH
2,4-Dichlorophenol	120-83-2	0.11	0.31	---	---	---	---	---	---	< 0.0101 U	< 0.0104 U	< 0.0101 U	< 0.0021 U	< 0.002 UH
2,4-Dimethylphenol	105-67-9	0.73	2	---	---	---	---	---	---	< 0.0051 U	< 0.0052 U	< 0.0051 U	< 0.0021 U	< 0.002 UH
2,4-Dinitrophenol	51-28-5	0.073	0.2	---	---	---	---	---	---	< 0.0202 U	< 0.0208 U	< 0.0202 U	< 0.0052 U	< 0.0049 UH
2,4-Dinitrotoluene	121-14-2	0.0013	0.0042	---	---	< 0.0051 U	< 0.0053 U	< 0.0051 U	< 0.0048 U	< 0.0051 U	< 0.0052 U	< 0.0051 U	< 0.0052 U	< 0.0049 UH
2,6-Dinitrotoluene	606-20-2	0.0013	0.0042	---	---	< 0.0051 U	< 0.0053 U	< 0.0051 U	< 0.0048 U	< 0.0051 U	< 0.0052 U	< 0.0051 U	< 0.0052 U	< 0.0049 UH
2-Chloronaphthalene	91-58-7	0.61	8.2	---	---	< 0.001 U	< 0.0011 U	< 0.001 U	< 0.00095 U	< 0.0051 U	< 0.0052 U	< 0.0051 U	< 0.001 U	< 0.00098 UH
2-Chlorophenol	95-57-8	0.038	0.51	---	---	---	---	---	---	< 0.0051 U	< 0.0052 U	< 0.0051 U	< 0.001 U	< 0.00098 UH
2-Methylnaphthalene	91-57-6	0.031	0.41	---	---	< 0.0002 U	< 0.00021 U	< 0.0002 U	< 0.00019 U	< 0.0051 U	< 0.0052 U	< 0.0051 U	< 0.00021 U	< 0.0002 UH
2-Methylphenol	95-48-7	1.8	5.1	---	---	---	---	---	---	< 0.0051 U	< 0.0052 U	< 0.0051 U	< 0.001 U	< 0.00098 UH
2-Nitroaniline	88-74-4	0.11	0.31	---	---	< 0.002 U	< 0.0021 U	< 0.002 U	< 0.0019 U	< 0.0202 U	< 0.0208 U	< 0.0202 U	< 0.0021 U	< 0.002 UH
2-Nitrophenol	88-75-5	NS	NS	---	---	---	---	---	---	< 0.0051 U	< 0.0052 U	< 0.0051 U	< 0.0021 U	< 0.002 UH
3&4-Methylphenol	3/4-Cresol	0.18	0.51	---	---	---	---	---	---	< 0.0051 U	< 0.0052 U	< 0.0051 U	---	---
3,3'-Dichlorobenzidine	91-94-1	0.0019	0.0064	---	---	< 0.0051 U	< 0.0053 U	< 0.0051 U	< 0.0048 U	< 0.0051 U	< 0.0052 U	< 0.0051 U	< 0.0052 U	< 0.0049 UH
3,5,5-Trimethyl-2-Cyclohexene-1-One	78-59-1	0.9	3	---	---	< 0.001 U	< 0.0011 U	< 0.001 U	< 0.00095 U	< 0.0051 U	< 0.0052 U	< 0.0051 U	< 0.001 U	< 0.00098 UH
3-Nitroaniline	99-09-2	NS	NS	---	---	< 0.002 U	< 0.0021 U	< 0.002 U	< 0.0019 U	< 0.0202 U	< 0.0208 U	< 0.0202 U	< 0.0021 U	< 0.002 UH
4,6-Dinitro-2-methylphenol	534-52-1	NS	NS	---	---	---	---	---	---	< 0.0202 U	< 0.0208 U	< 0.0202 U	< 0.0052 U	< 0.0049 UH
4-Bromophenyl Phenyl Ether	101-55-3	NS	NS	---	---	< 0.002 U	< 0.0021 U	< 0.002 U	< 0.0019 U	< 0.0051 U	< 0.0052 U	< 0.0051 U	< 0.0021 U	< 0.002 UH
4-Chloro-3-methylphenol	59-50-7	NS	NS	---	---	---	---	---	---	< 0.0051 U	< 0.0052 U	< 0.0051 U	< 0.0021 U	< 0.002 UH
4-Chlorophenyl Phenyl Ether	7005-72-3	NS	NS	---	---	< 0.002 U	< 0.0021 U	< 0.002 U	< 0.0019 U	< 0.0051 U	< 0.0052 U	< 0.0051 U	< 0.0021 U	< 0.002 UH
4-Methylphenol	106-44-5	0.18	0.51	---	---	---	---	---	---	---	---	---	< 0.0021 U	< 0.002 UH
4-Nitrophenol	100-02-7	NS	NS	---	---	---	---	---	---	< 0.0202 U	< 0.0208 U	< 0.0202 U	< 0.0052 U	< 0.0049 UH
Acenaphthene	83-32-9	0.46	6.1	< 0.0002 U	< 0.00019 U	< 0.0002 U	< 0.00021 U	< 0.0002 U	< 0.00019 U	< 0.0051 U	< 0.0052 U	< 0.0051 U	< 0.00021 U	< 0.0002 UH
Acenaphthylene	208-96-8	0.071	0.73	< 0.0002 U	< 0.00019 U	< 0.0002 U	< 0.00021 U	< 0.0002 U	< 0.00019 U	< 0.0051 U	< 0.0052 U	< 0.0051 U	< 0.00021 U	< 0.0002 UH
Acetophenone	98-86-2	NS	NS	---	---	---	< 0.0011 U	< 0.001 U	< 0.00095 U	< 0.0051 U	< 0.0052 U	< 0.0051 U	< 0.001 U	< 0.00098 UH
Anthracene	120-12-7	2.3	31	< 0.0002 U	< 0.00019 U	< 0.0002 U	< 0.00021 U	< 0.0002 U	< 0.00019 U	< 0.0051 U	< 0.0052 U	< 0.0051 U	< 0.00021 U	< 0.0002 UH
Atrazine	1912-24-9	0.003	0.013	---	---	< 0.001 U	< 0.0011 U	< 0.001 U	< 0.00095 U	< 0.0051 U	< 0.0052 U	< 0.0051 U	< 0.001 U	< 0.00098 UH
Benzaldehyde	100-52-7	NS	NS	---	---	< 0.001 U	< 0.0011 U	< 0.001 U	< 0.00095 U	< 0.0051 U	< 0.0052 U	< 0.0051 U	< 0.001 U	< 0.00098 UH
Benzo(a)anthracene	56-55-3	0.0012	0.0039	< 0.0002 U	< 0.00019 U	< 0.0002 U	< 0.00021 U	< 0.0002 U	< 0.00019 U	< 0.0051 U	< 0.0052 U	< 0.0051 U	< 0.00021 U	< 0.0002 UH
Benzo(a)pyrene	50-32-8	0.0002	0.00039	< 0.0002 U	< 0.00019 U	< 0.0002 U	< 0.00021 U	< 0.0002 U	< 0.00019 U	< 0.0051 U	< 0.0052 U	< 0.0051 U	< 0.00021 U	< 0.0002 UH*
Benzo(b)fluoranthene	205-99-2	0.0012	0.0039	< 0.0002 U	< 0.00019 U	< 0.0002 U	< 0.00021 U	< 0.0002 U	< 0.00019 U	< 0.0051 U	< 0.0052 U	< 0.0051 U	< 0.00021 U	< 0.0002 UH
Benzo(g,h,i)perylene	191-24-2	NS	NS	< 0.0002 U	< 0.00019 U	< 0.0002 U	< 0.00021 U	< 0.0002 U	< 0.00019 U	< 0.0051 U	< 0.0052 U	< 0.0051 U	< 0.00021 U	< 0.0002 UH*
Benzo(k)fluoranthene	207-08-9	0.012	0.039	< 0.0002 U	< 0.00019 U	< 0.0002 U	< 0.00021 U	< 0.0002 U	< 0.00019 U	< 0.0051 U	< 0.0052 U	< 0.0051 U	< 0.00021 U	< 0.0002 UH
Benzyl Butyl Phthalate	85-68-7	2.7	2.7	---	---	< 0.001 U	< 0.0011 U	< 0.001 U	< 0.00095 U	< 0.0051 U	< 0.0052 U	< 0.0051 U	< 0.001 U	< 0.00098 UH
Biphenyl	92-52-4	NS	NS	---	---	< 0.001 U	< 0.0011 U	< 0.001 U	< 0.00095 U	< 0.0051 U	< 0.0052 U	< 0.0051 U	< 0.001 U	< 0.00098 UH
bis(2-Chloroethoxy)methane	111-91-1	NS	NS	---	---	< 0.001 U	< 0.0011 U	< 0.001 U	< 0.00095 U	< 0.0051 U	< 0.0052 U	< 0.0051 U	< 0.001 U	< 0.00098 UH
bis(2-Chloroethyl)ether	111-44-4	0.00015	0.0026	---	---	< 0.001 U	< 0.0011 U	< 0.001 U	< 0.00095 U	< 0.0051 U	< 0.0052 U	< 0.0051 U	< 0.001 U	< 0.00098 UH
bis(2-Ethylhexyl)phthalate	117-81-7	0.006	0.2	---	---	< 0.002 U	< 0.0021 U	< 0.002 U	< 0.0019 U	< 0.0051 U	< 0.0052 U	< 0.0051 U	0.0014 JB	< 0.002 UH
Caprolactam	105-60-2	NS	NS	---	---	< 0.0051 U	0.00098 J	< 0.0051 U	< 0.0048 U	< 0.0051 U	< 0.0052 U	< 0.0051 U	< 0.0052 U	< 0.0049 UH*
Carbazole	86-74-8	0.043	0.14	---	---	< 0.001 U	< 0.0011 U	< 0.001 U	< 0.00095 U	< 0.0051 U	< 0.0052 U	< 0.0051 U	< 0.001 U	< 0.00098 UH
Chrysene	218-01-9	0.12	0.39	< 0.0002 U	< 0.00019 U	< 0.0002 U	< 0.00021 U	< 0.0002 U	< 0.00019 U	< 0.0051 U	< 0.0052 U	< 0.0051 U	< 0.00021 U	< 0.0002 UH
Dibenz(a,h)anthracene	53-70-3	0.00012	0.00039	< 0.0002 U	< 0.00019 U	< 0.0002 U	< 0.00021 U	< 0.0002 U	< 0.00019 U	< 0.0051 U	< 0.0052 U	< 0.0051 U	< 0.00021 U	< 0.0002 UH*
Dibenzofuran	132-64-9	0.015	0.2	---	---	< 0.001 U	< 0.0011 U	< 0.001 U	< 0.00095 U	< 0.0051 U	< 0.0052 U	< 0.0051 U	< 0.001 U	< 0.00098 UH
Diethyl Phthalate	84-66-2	29	82	---	---	< 0.001 U	< 0.0011 U	< 0.001 U	< 0.00095 U	< 0.0051 U	< 0.0052 U	< 0.0051 U	< 0.001 U	< 0.00098 UH
Dimethyl phthalate	131-11-3	360	1000	---	---	< 0.001 U	< 0.0011 U	< 0.001 U	< 0.00095 U	< 0.0051 U	< 0.0052 U	< 0.0051 U	< 0.001 U	< 0.00098 UH
Di-n-butylphthalate	84-74-2	3.6	10	---	---	< 0.001 U	< 0.0011 U	< 0.001 U	< 0.00095 U	< 0.0051 U	< 0.0052 U	< 0.0051 U	< 0.001 U	< 0.00098 UH
Di-n-octyl phthalate	117-84-0	0.02	0.02	---	---	< 0.001 U	< 0.0011 U	< 0.001 U	< 0.00095 U	< 0.0051 U	< 0.0052 U	< 0.0051 U	< 0.001 U	< 0.00098 UH
Fluoranthene	206-44-0	1.5	4.1	< 0.0002 U	< 0.00019 U	< 0.0002 U	< 0.00021 U	< 0.0002 U	< 0.00019 U	< 0.0051 U	< 0.0052 U	< 0.0051 U	< 0.00021 U	< 0.0002 UH
Fluorene	86-73-7	0.31	4.1	< 0.0002 U	< 0.00019 U	< 0.0002 U	< 0.00021 U	< 0.0002 U	< 0.00019 U	< 0.0051 U	< 0.0052 U	< 0.0051 U	< 0.00021 U	< 0.0002 UH
Hexachloro-1,3-Butadiene	87-68-3	0.011	0.031	---	---	< 0.001 U	< 0.0011 U	< 0.001 U	< 0.00095 U	< 0.0051 U	< 0.0052 U	< 0.0051 U	< 0.001 U	< 0.00098 UH
Hexachlorobenzene	118-74-1	0.001	0.0018	---	---	< 0.0002 U	< 0.00021 U	< 0.0002 U	< 0.00019 U	< 0.0051 U	< 0.0052 U	< 0.0051 U	< 0.00021 U	< 0.0002 UH
Hexachlorocyclopentadiene	77-47-4	0.05	0.61	---	---	< 0.01 U	< 0.011 U	< 0.01 U	< 0.0095 U	< 0.0253 U	< 0.026 U	< 0.0253 U	< 0.01 U	< 0.0098 UH
Hexachloroethane	67-72-1	0.036	0.1	---	---	< 0.001 U	< 0.0011 U	< 0.001 U	< 0.00095 U	< 0.0051 U	< 0.0052 U	< 0.0051 U	< 0.001 U	< 0.00098 UH
Indeno(1,2,3-cd)pyrene	193-39-5	0.0012	0.0039	< 0.0002 U	< 0.00019 U	< 0.0002 U	< 0.00021 U	< 0.0002 U	< 0.00019 U	< 0.0051 U	< 0.0052 U	< 0.0051 U	< 0.00021 U	< 0.0002 UH*
Naphthalene	91-20-3	0.0083	2	---	---	---	---	---	---	< 0.0051 U	< 0.0052 U	< 0.0051 U	---	---
Nitrobenzene	98-95-3	0.0043	0.051	---	---	< 0.001 U	< 0.0011 U	< 0.001 U	< 0.00095 U	< 0.0051 U	< 0.0052 U	< 0.0051 U	< 0.001 U	< 0.00098 UH
N-Nitrosodi-n-propylamine	621-64-7	0.00012	0.00041	---	---	< 0.001 U	< 0.0011 U	< 0.001 U	< 0.00095 U	< 0.0051 U	< 0.0052 U	< 0.0051 U	< 0.001 U	< 0.00098 UH
N-Nitrosodiphenylamine	86-30-6	0.17	0.58	---	---	< 0.001 U	< 0.0011 U	< 0.001 U	< 0.00095 U	< 0.0051 U	< 0.0052 U	< 0.0051 U	< 0.001 U	< 0.00098 UH
p-Chloroaniline	106-47-8	0.15	0.41	---	---	< 0.002 U	< 0.0021 U	< 0.002 U	< 0.0019 U	< 0.0101 U	< 0.0104 U	< 0.0101 U	< 0.0021 U	< 0.002 UH
Pentachlorophenol	87-86-5	0.001	0.024	---	---	---	---	---	---	< 0.0202 U	< 0.0208 U	< 0.0202 U	< 0.0052 U	< 0.0049 UH
Phenanthrene	85-01-8	0.023	0.31	< 0.0002 U	< 0.00019 U	< 0.0002 U	< 0.00021 U	< 0.0002 U	< 0.00019 U	< 0.0051 U	< 0.0052 U	< 0.0051 U	< 0.00021 U	< 0.0002 UH
Phenol	108-95-2	11												

Table 6. PCB Concentrations in Soil, RACER Trust, Indianapolis, Indiana
Indianapolis - Stamping

			Site Name	AOI 5	AOI 5	AOI 5	AOI 5	AOI 5	AOI 5	AOI 5	AOI 5	AOI 5	AOI 5	AOI 5	
			Location ID	SB-05-1101	SB-05-1101	SB-05-1101	SB-05-1101	SB-05-1102	SB-05-1102	SB-05-1102	SB-05-1103	SB-05-1103	SB-05-1103	SB-05-1104	SB-05-1104
			Sample Date	5/18/2011	5/18/2011	5/18/2011	5/18/2011	5/19/2011	5/19/2011	5/19/2011	5/18/2011	5/18/2011	5/18/2011	5/19/2011	5/19/2011
			Depth Interval	1.5 - 2	1.5 - 2	4 - 6	8 - 10	1.3 - 1.8	2 - 4	8 - 10	1.2 - 1.7	4 - 6	8 - 10	1 - 1.5	6 - 10
			Sample Type Code	N	FD	N	N	N	N	N	N	N	N	N	N
Constituents ^o (mg/kg)	CAS No	Residential Closure Level [†]	Industrial Closure Level [‡]												
Aroclor-1016 (PCB-1016)	12674-11-2	1.8	5.3	< 0.037 U	< 0.038 U	< 0.035 U	< 0.035 U	< 0.037 U	< 0.037 U	< 0.034 U	< 0.038 U	< 0.039 U	< 0.034 U	< 0.035 U	< 0.04 U
Aroclor-1221 (PCB-1221)	11104-28-2	1.8	5.3	< 0.037 U	< 0.038 U	< 0.035 U	< 0.035 U	< 0.037 U	< 0.037 U	< 0.034 U	< 0.038 U	< 0.039 U	< 0.034 U	< 0.035 U	< 0.04 U
Aroclor-1232 (PCB-1232)	11141-16-5	1.8	5.3	< 0.037 U	< 0.038 U	< 0.035 U	< 0.035 U	< 0.037 U	< 0.037 U	< 0.034 U	< 0.038 U	< 0.039 U	< 0.034 U	< 0.035 U	< 0.04 U
Aroclor-1242 (PCB-1242)	53469-21-9	1.8	5.3	< 0.037 U	< 0.038 U	< 0.035 U	< 0.035 U	< 0.037 U	< 0.037 U	< 0.034 U	< 0.038 U	< 0.039 U	< 0.034 U	< 0.035 U	< 0.04 U
Aroclor-1248 (PCB-1248)	12672-29-6	1.8	5.3	0.05	0.052	< 0.035 U	< 0.035 U	< 0.037 U	< 0.037 U	< 0.034 U	< 0.038 U	0.047	< 0.034 U	< 0.035 U	< 0.04 U
Aroclor-1254 (PCB-1254)	11097-69-1	1.8	5.3	< 0.037 U	< 0.038 U	< 0.035 U	< 0.035 U	< 0.037 U	< 0.037 U	< 0.034 U	< 0.038 U	< 0.039 U	< 0.034 U	< 0.035 U	< 0.04 U
Aroclor-1260 (PCB-1260)	11096-82-5	1.8	5.3	0.036 J	0.041	< 0.035 U	< 0.035 U	< 0.037 U	< 0.037 U	< 0.034 U	< 0.038 U	0.022 J	< 0.034 U	< 0.035 U	< 0.04 U
Percent Moisture (%)	Moist	NS	NS	---	---	---	---	---	---	---	---	---	---	---	---
pH	pH	NS	NS	---	---	---	---	---	---	---	---	---	---	---	---

Notes:

- Results obtained using analytical method EPA SW846 8280 via a glass jar with teflon lined lid.
- mg/kg Milligrams per kilogram
- % Percentage
- Constituent not analyzed
- AOI Area of Interest
- N Normal sample
- FD Field duplicate sample
- NS No screening level
- IDEM Indiana Department of Environmental Management
- RISC Risk Integrated System of Closure
- † IDEM RISC Residential Closure Levels (2009)
- ‡ IDEM RISC Industrial Closure Levels (2009)
- Bold** Constituent exceeds IDEM RISC Residential Closure Levels
- Italics*** Constituent exceeds IDEM RISC Industrial Closure Level
- < Constituent below the laboratory detection limit.
- J Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.
- U Indicates the compound was analyzed for, but not detected.
- B Analyte detected method blank but was not detected in the associated samples.

Table 6. PCB Concentrations in Soil, RACER Trust, Indianapolis, Indiana
Indianapolis - Stamping

			Site Name	AOI 7	AOI 7	AOI 7	AOI 7	AOI 7	AOI 7	AOI 9	AOI 17	AOI 17	AOI 17
			Location ID	SB-07-1101	SB-07-1102	SB-07-1102	SB-07-1102	MW-1108	MW-1108	SB-09-1101	MW-1112	MW-1112	MW-1112
			Sample Date	5/24/2011	5/24/2011	5/24/2011	5/24/2011	5/19/2011	5/19/2011	5/24/2011	5/17/2011	5/17/2011	5/17/2011
			Depth Interval	4 - 6	1.2 - 1.7	2 - 4	4 - 6	1.5 - 2	4 - 6	1 - 1.5	.7 - 1.2	2 - 4	8 - 10
			Sample Type Code	N	N	N	N	N	N	N	N	N	N
Constituents ^o (mg/kg)	CAS No	Residential Closure Level [†]	Industrial Closure Level [‡]										
Aroclor-1016 (PCB-1016)	12674-11-2	1.8	5.3	< 0.04 U	< 0.039 U	< 0.042 U	< 0.041 U	< 0.036 U	< 0.04 UH	< 0.035 U	< 0.038 U	< 0.037 U	< 0.037 UH
Aroclor-1221 (PCB-1221)	11104-28-2	1.8	5.3	< 0.04 U	< 0.039 U	< 0.042 U	< 0.041 U	< 0.036 U	< 0.04 UH	< 0.035 U	< 0.038 U	< 0.037 U	< 0.037 UH
Aroclor-1232 (PCB-1232)	11141-16-5	1.8	5.3	< 0.04 U	< 0.039 U	< 0.042 U	< 0.041 U	< 0.036 U	< 0.04 UH	< 0.035 U	< 0.038 U	< 0.037 U	< 0.037 UH
Aroclor-1242 (PCB-1242)	53469-21-9	1.8	5.3	< 0.04 U	< 0.039 U	< 0.042 U	< 0.041 U	< 0.036 U	< 0.04 UH	< 0.035 U	< 0.038 U	< 0.037 U	< 0.037 UH
Aroclor-1248 (PCB-1248)	12672-29-6	1.8	5.3	< 0.04 U	< 0.039 U	< 0.042 U	< 0.041 U	< 0.036 U	< 0.04 UH	< 0.035 U	< 0.038 U	< 0.037 U	< 0.037 UH
Aroclor-1254 (PCB-1254)	11097-69-1	1.8	5.3	< 0.04 U	< 0.039 U	< 0.042 U	< 0.041 U	< 0.036 U	< 0.04 UH	< 0.035 U	< 0.038 U	< 0.037 U	< 0.037 UH
Aroclor-1260 (PCB-1260)	11096-82-5	1.8	5.3	0.036 J	< 0.039 U	< 0.042 U	< 0.041 U	< 0.036 U	< 0.04 UH	0.028 J	< 0.038 U	< 0.037 U	< 0.037 UH
Percent Moisture (%)	Moist	NS	NS	---	---	---	---	---	---	---	---	---	---
pH	pH	NS	NS	---	---	---	---	---	---	---	---	---	---

Notes:

- Results obtained using analytical method EPA SW846 8280 via a glass jar with teflon lined lid.
- mg/kgMilligrams per kilogram
- %Percentage
- Constituent not analyzed
- AOIArea of Interest
- NNormal sample
- FDField duplicate sample
- NSNo screening level
- IDEMIndiana Department of Environmental Management
- RISCRisk Integrated System of Closure
- †IDEM RISC Residential Closure Levels (2009)
- ‡IDEM RISC Industrial Closure Levels (2009)
- Bold**Constituent exceeds IDEM RISC Residential Closure Levels
- Italics***Constituent exceeds IDEM RISC Industrial Closure Level
- <Constituent below the laboratory detection limit.
- JEstimated concentration above the adjusted method detection limit and below the adjusted repo
- UIndicates the compound was analyzed for, but not detected.
- BAnalyte detected method blank but was not detected in the associated samples.

Table 7. Metals Concentrations in Soil, RACER Trust, Indianapolis, Indiana, Indianapolis - Stampling

Site Name				AOI 3	AOI 3	AOI 5	AOI 5	AOI 5	AOI 5	AOI 5	AOI 5	AOI 5	AOI 5	AOI 5	AOI 5	AOI 5	AOI 5	AOI 6	AOI 6	AOI 6	AOI 6	AOI 7
Location ID				SB-03-1104	SB-03-1104	SB-05-1101	SB-05-1101	SB-05-1101	SB-05-1101	SB-05-1102	SB-05-1102	SB-05-1102	SB-05-1103	SB-05-1103	SB-05-1103	SB-05-1104	SB-05-1104	SB-06-1101	SB-06-1101	SB-06-1101	SB-06-1101	SB-07-1101
Sample Date				5/23/2011	5/23/2011	5/18/2011	5/18/2011	5/18/2011	5/18/2011	5/19/2011	5/19/2011	5/19/2011	5/18/2011	5/18/2011	5/18/2011	5/19/2011	5/19/2011	5/24/2011	5/24/2011	5/24/2011	5/24/2011	5/24/2011
Depth Interval				1 - 1.5	8 - 10	1.5 - 2	1.5 - 2	4 - 6	8 - 10	1.3 - 1.8	2 - 4	8 - 10	1.2 - 1.7	4 - 6	8 - 10	1 - 1.5	6 - 10	.3 - 2.3	4 - 6	4 - 6	6 - 8	4 - 6
Sample Type Code				N	N	N	FD	N	N	N	N	N	N	N	N	N	N	N	N	FD	N	N
Constituents ^o (mg/kg)	CAS No	Residential Screening Level [†]	Industrial Screening Level [‡]																			
Aluminum	7429-90-5	NS	NS	---	---	4000	4800	1700	1700	4900	3600	1500	4700	5900	1500	2000	6600	---	---	---	---	5500
Antimony	7440-36-0	5.4	37	---	---	1.2	1.3	< 0.81 U	< 0.92 U	< 1.1 U	< 1.1 U	< 0.99 U	< 0.92 U	1.6	< 1 U	< 0.91 U	< 1.1 U	---	---	---	---	< 1.1 U
Arsenic	7440-38-2	3.9	5.8	---	---	8.1	7.3	3.3	3.7	4	3.7	3.7	5.7	8.9	2.9	3	6.3	---	---	---	---	4.5
Barium	7440-39-3	1600	10000	---	---	110 B	100 B	94 B	28 B	59 B	51 B	17 JB	91 B	110 B	14 JB	18 B	86 B	---	---	---	---	80
Beryllium	7440-41-7	63	2300	---	---	0.23 J	0.28 J	< 0.4 U	< 0.46 U	0.44 J	0.24 J	0.1 J	0.17 J	0.24 J	< 0.5 U	0.16 J	0.42 J	---	---	---	---	0.5 J
Cadmium	7440-43-9	7.5	77	---	---	0.31	0.4	0.055 J	< 0.18 U	0.31	0.15 J	< 0.2 U	0.16 J	0.42	< 0.2 U	0.15 J	0.22	---	---	---	---	0.34
Calcium Metal	7440-70-2	NS	NS	---	---	88000 B	99000 B	130000 B	100000 B	85000 B	56000 B	140000 B	97000 B	73000 B	130000 B	150000 B	26000 B	---	---	---	---	84000 B
Chromium, Hexavalent	18540-29-9	38	120	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Chromium, Total Recoverable	7440-47-3	38	120	---	---	7.4	9.1	4.5	6.4	8.3	5.6	9.5	7.4	11	4.5	5.1	9.6	---	---	---	---	12
Cobalt	7440-48-4	NS	NS	---	---	3.7 J	4.3 J	1.7 J	2.2 J	3.5 J	3.2 J	2 J	4.4 J	5.8	1.8 J	2.5 J	5.6	---	---	---	---	5.1 J
Copper	7440-50-8	920	2900	---	---	36	37	4.1	3.8	16	6.1	2.5	16	71	3.8	8.9	15	---	---	---	---	16
Iron	7439-89-6	NS	NS	---	---	12000	13000	4800	5800	10000 B	8200 B	6000 B	12000	19000	5700	5700 B	14000 B	---	---	---	---	12000 B
Lead	7439-92-1	81	230	170	2.8	120	140	6.4	2.4	36	4.5	1.7	45	140	3	20	8.2	110	46	37	14	17
Magnesium	7439-95-4	NS	NS	---	---	14000	10000	31000	27000	25000 B	11000 B	41000 B	11000	13000	30000	26000 B	7400 B	---	---	---	---	20000 B
Manganese	7439-96-5	NS	NS	---	---	400 B	420 B	230 B	200 B	380 B	350 B	260 B	490 B	510 B	200 B	230 B	610 B	---	---	---	---	390 B
Mercury	7439-97-6	2.1	32	---	---	0.1	0.18	< 0.094 U	< 0.085 U	0.041 J	< 0.086 U	< 0.076 U	0.051 J	0.13	< 0.068 U	0.08 J	0.029 J	---	---	---	---	0.03 J
Nickel	7440-02-0	950	2700	---	---	11	13	4.1	4.9	10	7.7	4.4	11	16	4.4	6.7	13	---	---	---	---	14
Potassium	7440-09-7	NS	NS	---	---	620 B	760 B	440 B	240 JB	810 B	530 JB	200 JB	710 B	930 B	360 JB	370 JB	820 B	---	---	---	---	710 B
Selenium	7782-49-2	5.2	53	---	---	< 0.53 U	< 0.56 U	< 0.4 UL	< 0.46 U	< 0.55 U	< 0.54 U	< 0.5 U	< 0.46 U	< 0.47 U	< 0.5 UL	< 0.46 U	< 0.56 U	---	---	---	---	< 0.55 U
Silver	7440-22-4	31	87	---	---	< 0.53 U	< 0.56 U	< 0.4 U	< 0.46 U	< 0.55 U	< 0.54 U	< 0.5 U	< 0.46 U	< 0.47 U	< 0.5 U	< 0.46 U	< 0.56 U	---	---	---	---	< 0.55 U
Sodium	7440-23-5	NS	NS	---	---	110 J	100 J	130 J	130 J	210 J	170 J	120 J	170 J	200 J	120 J	110 J	150 J	---	---	---	---	790
Thallium	7440-28-0	2.8	10	---	---	0.7 J	< 1.1 U	0.49 J	< 0.92 U	< 1.1 U	< 1.1 U	< 0.99 U	0.64 J	0.54 J	< 1 U	< 0.91 U	< 1.1 U	---	---	---	---	< 1.1 U
Vanadium	7440-62-2	NS	NS	---	---	12	13	6	7	13	9.7	6.1	12	18	6.3	6.8	15	---	---	---	---	14
Zinc	7440-66-6	10000	10000	---	---	400	430	27	14	190	25	12	130	320	14	130	50	---	---	---	---	56 B
Percent Moisture (%)	Moist	NS	NS	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
pH	pH	NS	NS	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

- Notes:
- o Results obtained using analytical method EPA SW846 6000/7000 via glass jar with teflon lined lid.
 - mg/kg Milligrams per kilogram
 - % Percentage
 - Constituent not analyzed
 - AOI Area of Interest
 - N Normal sample
 - FD Field duplicate sample
 - NS No screening level
 - IDEM Indiana Department of Environmental Management
 - RISC Risk Integrated System of Closure
 - † IDEM RISC Residential Closure Levels (2009)
 - ‡ IDEM RISC Industrial Closure Levels (2009)
 - Bold** Constituent exceeds IDEM RISC Residential Closure Levels
 - Italics** Constituent exceeds IDEM RISC Industrial Closure Level
 - < Constituent below the laboratory detection limit.
 - J Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.
 - U Indicates the compound was analyzed for, but not detected.
 - B Analyte detected method blank but was not detected in the associated samples.

Table 7. Metals Concentrations in Soil, RACER Trust, Indianapolis, Indiana, Indianapolis - Stampling

Site Name				AOI 7	AOI 7	AOI 7	AOI 7	AOI 7	AOI 9	AOI 9	AOI 9	AOI 9	AOI 9	AOI 9	AOI 10	AOI 10	AOI 10	AOI 10	AOI 10	AOI 10
Location ID				SB-07-1102	SB-07-1102	SB-07-1102	MW-1108	MW-1108	SB-09-1101	SB-09-1101	SB-09-1101	SB-09-1101	SB-09-1102	SB-09-1102	SB-10-1101	SB-10-1101	SB-10-1101	SB-10-1102	SB-10-1102	SB-10-1102
Sample Date				5/24/2011	5/24/2011	5/24/2011	5/19/2011	5/19/2011	5/24/2011	5/26/2011	5/26/2011	5/26/2011	5/26/2011	5/26/2011	5/25/2011	5/25/2011	5/25/2011	5/25/2011	5/25/2011	5/25/2011
Depth Interval				1.2 - 1.7	2 - 4	4 - 6	1.5 - 2	4 - 6	1 - 1.5	1 - 1.5	4 - 6	6 - 7	2 - 2.5	6 - 7.5	1.5 - 2	4 - 6	6 - 8	1.5 - 2	4 - 6	6 - 8
Sample Type Code				N	N	N	N	N	N	FD	N	N	N	N	N	N	N	N	N	N
Constituents ^o (mg/kg)	CAS No	Residential Screening Level [†]	Industrial Screening Level [‡]																	
Aluminum	7429-90-5	NS	NS	5100	8200	6900	1700	6500	3800	---	---	---	---	---	---	---	---	---	---	---
Antimony	7440-36-0	5.4	37	2.1	< 1.2 U	< 1.2 U	< 0.88 U	< 1.1 U	< 0.92 U	---	---	---	---	---	---	---	---	---	---	---
Arsenic	7440-38-2	3.9	5.8	11	6.5	6.5	1.9	5.4	4.5	---	---	---	---	---	---	---	---	---	---	---
Barium	7440-39-3	1600	10000	59	130	130	9.2 JB	110 B	31	---	---	---	---	---	---	---	---	---	---	---
Beryllium	7440-41-7	63	2300	1.7	0.58 J	0.51 J	0.11 J	0.42 J	0.28 J	---	---	---	---	---	---	---	---	---	---	---
Cadmium	7440-43-9	7.5	77	0.25	0.29	0.25	0.063 J	0.22 J	0.21	---	---	---	---	---	---	---	---	---	---	---
Calcium Metal	7440-70-2	NS	NS	15000 B	56000 B	65000 B	120000 B	81000 B	130000 B	---	---	---	---	---	---	---	---	---	---	---
Chromium, Hexavalent	18540-29-9	38	120	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Chromium, Total Recoverable	7440-47-3	38	120	13	13	11	4.8	10	8.4	---	---	---	---	---	---	---	---	---	---	---
Cobalt	7440-48-4	NS	NS	6.2	7.4	6.5	2.6 J	5.4 J	3.6 J	---	---	---	---	---	---	---	---	---	---	---
Copper	7440-50-8	920	2900	36	19	14	6.8	13	17	---	---	---	---	---	---	---	---	---	---	---
Iron	7439-89-6	NS	NS	27000 B	19000 B	17000 B	4900 B	14000 B	7900 B	---	---	---	---	---	---	---	---	---	---	---
Lead	7439-92-1	81	230	92	11	9.3	3.5	11	13	3.1	4.7	3.2	6.3	2.3	6.2	2.2	2.9	13	3.4	2.5
Magnesium	7439-95-4	NS	NS	3900 B	16000 B	15000 B	34000 B	16000 B	28000 B	---	---	---	---	---	---	---	---	---	---	---
Manganese	7439-96-5	NS	NS	290 B	890 B	870 B	220 B	690 B	320 B	---	---	---	---	---	---	---	---	---	---	---
Mercury	7439-97-6	2.1	32	0.055 J	0.036 J	0.03 J	< 0.079 U	0.03 J	0.055 J	---	---	---	---	---	---	---	---	---	---	---
Nickel	7440-02-0	950	2700	20	19	16	6.8	14	9.4	---	---	---	---	---	---	---	---	---	---	---
Potassium	7440-09-7	NS	NS	900 B	860 B	500 JB	310 JB	890 B	600 B	---	---	---	---	---	---	---	---	---	---	---
Selenium	7782-49-2	5.2	53	0.88	< 0.61 U	< 0.62 U	< 0.44 U	< 0.57 U	< 0.46 U	---	---	---	---	---	---	---	---	---	---	---
Silver	7440-22-4	31	87	< 0.56 U	< 0.61 U	< 0.62 U	< 0.44 U	< 0.57 U	< 0.46 U	---	---	---	---	---	---	---	---	---	---	---
Sodium	7440-23-5	NS	NS	370 J	260 J	140 J	100 J	130 J	300 J	---	---	---	---	---	---	---	---	---	---	---
Thallium	7440-28-0	2.8	10	< 1.1 U	< 1.2 U	< 1.2 U	< 0.88 U	< 1.1 U	< 0.92 U	---	---	---	---	---	---	---	---	---	---	---
Vanadium	7440-62-2	NS	NS	20	18	16	7.1	16	10	---	---	---	---	---	---	---	---	---	---	---
Zinc	7440-66-6	10000	10000	84 B	68 B	57 B	20	50	110 B	---	---	---	---	---	---	---	---	---	---	---
Percent Moisture (%)	Moist	NS	NS	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
pH	pH	NS	NS	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

- Notes:
- o Results obtained using analytical method EPA SW846 6000/7000 via glass.]
 - mg/kg Milligrams per kilogram
 - % Percentage
 - Constituent not analyzed
 - AOI Area of Interest
 - N Normal sample
 - FD Field duplicate sample
 - NS No screening level
 - IDEM Indiana Department of Environmental Management
 - RISC Risk Integrated System of Closure
 - † IDEM RISC Residential Closure Levels (2009)
 - ‡ IDEM RISC Industrial Closure Levels (2009)
 - Bold** Constituent exceeds IDEM RISC Residential Closure Levels
 - Italics*** Constituent exceeds IDEM RISC Industrial Closure Level
 - < Constituent below the laboratory detection limit.
 - J Estimated concentration above the adjusted method detection limit and belo
 - U Indicates the compound was analyzed for, but not detected.
 - B Analyte detected method blank but was not detected in the associated sampl

Table 7. Metals Concentrations in Soil, RACER Trust, Indianapolis, Indiana, Indianapolis - Stampling

Site Name				AOI 11	AOI 11	AOI 11	AOI 15	AOI 15	AOI 15	AOI 17	AOI 17	AOI 17	AOI 18	AOI 18	AOI 18	Background	Background	Background	Background	Background	Background	Background	
Location ID				SB-11-1101	SB-11-1101	SB-11-1101	SB-15-1101	SB-15-1101	SB-15-1101	MW-1112	MW-1112	MW-1112	SB-18-1101	SB-18-1101	SB-18-1101	BK-1101	BK-1101	BK-1102	BK-1102	BK-1103	BK-1103	BK-1103	
Sample Date				5/24/2011	5/24/2011	5/24/2011	5/24/2011	5/24/2011	5/24/2011	5/17/2011	5/17/2011	5/17/2011	5/27/2011	5/27/2011	5/27/2011	5/18/2011	5/18/2011	5/17/2011	5/17/2011	5/25/2011	5/25/2011	5/25/2011	
Depth Interval				1.5 - 2	2 - 4	6 - 8	4 - 6	6 - 8	8 - 10	.7 - 1.2	2 - 4	8 - 10	.6 - 1.1	8 - 9	8 - 9	2.5 - 7.5	7.5 - 11	.3 - 7.8	7.8 - 11	1 - 3.5	3.5 - 7.5	7.5 - 12	
Sample Type Code				N	N	N	N	N	N	N	N	N	N	N	FD	N	N	N	N	N	N	N	
Constituents ^o	CAS No	Residential Screening Level [†]	Industrial Screening Level [‡]																				
Aluminum	7429-90-5	NS	NS	2300	2000	7400	4800	3000	---	2600	3300	1800	4000	2500	2700	7200	1400	5900	1700	5200	4100	1500	
Antimony	7440-36-0	5.4	37	1.6	< 1.3 U	< 1.2 U	< 1 U	< 1.1 U	---	0.83 J	0.45 J	< 1 U	< 1.1 U	< 0.99 U	< 0.88 U	< 1.1 U	< 0.93 U	< 1.1 U	< 0.88 U	< 1.2 U	< 1.2 U	< 0.92 U	
Arsenic	7440-38-2	3.9	5.8	8.5	8.1	5.6	4.8	2.8	---	3.8	8.1	2.5	6.1	5.7	4	7.3	7.5	6.6	3.7	4.6	3.2	2.1	
Barium	7440-39-3	1600	10000	510	52	82	59	37	---	28 B	54 B	32 B	75 B	24 B	27 B	110 B	29 B	84 B	18 B	67 B	53 B	13 JB	
Beryllium	7440-41-7	63	2300	0.96	0.93	1.1	0.34 J	0.21 J	---	0.081 J	0.15 J	< 0.5 U	0.27 J	< 0.5 U	0.099 J	0.29 J	< 0.47 U	0.22 J	< 0.44 U	0.38 J	0.34 J	0.15 J	
Cadmium	7440-43-9	7.5	77	0.87	< 0.25 U	0.41	0.17 J	0.08 J	---	< 0.22 U	0.3	< 0.2 U	0.29	0.15 J	0.13 J	0.07 J	< 0.19 U	0.05 J	< 0.18 U	0.16 J	0.092 J	< 0.18 U	
Calcium Metal	7440-70-2	NS	NS	32000 B	3600 B	50000 B	42000 B	51000 B	---	110000 B	77000 B	56000 B	81000 B	120000 B	87000 B	43000 B	140000 B	44000 B	120000 B	48000 B	33000 B	120000 B	
Chromium, Hexavalent	18540-29-9	38	120	---	---	---	---	---	---	---	---	---	0.52 J	0.68 J	0.68 J	---	---	---	---	---	---	---	
Chromium, Total Recoverable	7440-47-3	38	120	77	6.2	10	8	6.5	---	6.9	6.3	5.3	8.4	6.5	8.4	11	3.9	9.3	5.2	8	6.8	4	
Cobalt	7440-48-4	NS	NS	4 J	2.9 J	6.8	4.4 J	2.9 J	---	3.1 J	3.6 J	2.1 J	4.8 J	3.6 J	4.5	6.7	1.9 J	5.4 J	1.9 J	4.2 J	3.6 J	1.5 J	
Copper	7440-50-8	920	2900	45	40	21	10	5.3	---	22	26	4.2	17	9.2	8.3	18	2.9	13	3.2	9.9	7.7	3.4	
Iron	7439-89-6	NS	NS	23000 B	35000 B	18000 B	11000 B	7300 B	---	10000 B	14000 B	5400 B	15000	8400	7500	18000	6300	14000 B	6600 B	11000	9600	4700	
Lead	7439-92-1	81	230	230	24	7.6	9.8	4.4	---	84	120	2.9	27	6.3	5.7	10	2.1	7.5	2.4	5.8	5.3	2	
Magnesium	7439-95-4	NS	NS	7300 B	330 JB	13000 B	13000 B	14000 B	---	26000	26000	12000	19000	39000	24000	15000	34000	15000	41000	13000	12000	32000	
Manganese	7439-96-5	NS	NS	140 B	43 B	560 B	460 B	270 B	---	280 B	290 B	220 B	370 B	240 B	260 B	720 B	400 B	580 B	370 B	420 B	190 B	200 B	
Mercury	7439-97-6	2.1	32	0.066 J	< 0.12 U	< 0.11 U	0.032 J	< 0.11 U	---	0.074 J	0.12	< 0.08 U	< 0.12 U	< 0.1 U	< 0.096 U	0.037 J	< 0.092 U	0.027 J	< 0.091 U	< 0.1 U	< 0.12 U	< 0.1 U	
Nickel	7440-02-0	950	2700	15	9.3	19	12	7.2	---	9.4	9.5	4.8	12	9	8.9	17	4.4	13	4.6	10	9	4	
Potassium	7440-09-7	NS	NS	540 B	250 JB	740 B	640 B	380 JB	---	430 JB	510 B	290 JB	680 B	440 JB	420 JB	860 B	270 JB	560 B	220 JB	440 JB	270 JB	170 JB	
Selenium	7782-49-2	5.2	53	0.5 J	0.59 J	< 0.59 U	< 0.5 U	< 0.53 U	---	< 0.56 U	< 0.47 U	< 0.5 U	< 0.57 U	< 0.5 U	< 0.44 U	< 0.57 UL	< 0.47 U	< 0.55 U	< 0.44 U	< 0.59 U	< 0.58 UL	< 0.46 U	
Silver	7440-22-4	31	87	< 0.53 U	< 0.63 U	< 0.59 U	< 0.5 U	< 0.53 U	---	< 0.56 U	< 0.47 U	< 0.5 U	< 0.57 U	< 0.5 U	< 0.44 U	< 0.57 U	< 0.47 U	< 0.55 U	< 0.44 U	< 0.59 U	< 0.58 U	< 0.46 U	
Sodium	7440-23-5	NS	NS	150 J	< 630 U	150 J	200 J	120 J	---	120 J	120 J	< 500 U	170 J	150 J	120 J	170 J	150 J	170 J	170 J	680	310 J	160 J	
Thallium	7440-28-0	2.8	10	< 1.1 U	< 1.3 U	< 1.2 U	< 1 U	< 1.1 U	---	< 1.1 U	0.87 J	< 1 U	1.5	< 0.99 U	0.64 J	< 1.1 U	0.68 J	< 1.1 U	< 0.88 U	< 1.2 U	< 1.2 U	< 0.92 U	
Vanadium	7440-62-2	NS	NS	16	23	14	15	8.3	---	9.4	12	6.3	17	10	9.3	17	6.2	15	8.1	13	11	5.9	
Zinc	7440-66-6	10000	10000	470 B	37 B	86 B	42 B	24 B	---	54	130	17	72	34	32	63	13	49	14	39 B	34 B	14 B	
Percent Moisture (%)	Moist	NS	NS	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
pH	pH	NS	NS	---	---	---	---	---	---	---	---	---	7.87	8.58	8.26	---	---	---	---	---	---	---	

Notes:

- o

Results obtained using analytical method EPA SW846 6000/7000 via glass]
- mg/kg

Milligrams per kilogram
- %

Percentage
- Constituent not analyzed
- AOI

Area of Interest
- N

Normal sample
- FD

Field duplicate sample
- NS

No screening level
- IDEM

Indiana Department of Environmental Management
- RISC

Risk Integrated System of Closure
- †

IDEM RISC Residential Closure Levels (2009)
- ‡

IDEM RISC Industrial Closure Levels (2009)
- Bold**

Constituent exceeds IDEM RISC Residential Closure Levels
- Italics***

Constituent exceeds IDEM RISC Industrial Closure Level
- <

Constituent below the laboratory detection limit.
- J

Estimated concentration above the adjusted method detection limit and belo
- U

Indicates the compound was analyzed for, but not detected.
- B

Analyte detected method blank but was not detected in the associated sampl

Table 7. Metals Concentrations in Soil, RACER Trust, Indianapolis, Indiana, Indianapolis - Stampling

Site Name				Background	Background	Background	Background	Background	Background	Background	Background	Background	Background	Background	Perimeter	Perimeter	Perimeter	Perimeter	
Location ID				BK-1104	BK-1104	BK-1105	BK-1105	BK-1106	BK-1106	BK-1106	BK-1107	BK-1107	BK-1107	BK-1108	BK-1108	MW-1102	MW-1102	MW-1103	MW-1103
Sample Date				5/25/2011	5/25/2011	5/25/2011	5/25/2011	5/25/2011	5/25/2011	5/25/2011	5/26/2011	5/26/2011	5/26/2011	5/20/2011	5/20/2011	5/16/2011	5/16/2011	5/17/2011	5/17/2011
Depth Interval				.6 - 10	10 - 12	.6 - 4	4 - 12	.6 - 2	2 - 7	7 - 11	.6 - 2.8	2.8 - 7	7 - 11.5	1 - 7	7 - 12	.8 - 5.3	5.3 - 7	1.5 - 9.6	9.6 - 10.6
Sample Type Code				N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Constituents ^o (mg/kg)	CAS No	Residential Screening Level ^f	Industrial Screening Level ^f																
Aluminum	7429-90-5	NS	NS	4300	2700	2600	1800	2200	1700	1100	2700	5200	1800	7700	1700	2600	3700	5800	1600
Antimony	7440-36-0	5.4	37	< 1.1 U	< 1 U	< 1 U	< 1 U	< 0.99 U	< 1.1 U	< 0.91 U	< 0.89 U	< 1 U	< 0.9 U	< 1.1 U	< 1 U	0.74 J	0.53 J	< 0.97 U	< 1.1 U
Arsenic	7440-38-2	3.9	5.8	4.3	1.9	3.5	3.9	3.6	2	2	4.2	4.6	2.1	8.8	4	2.8	4.4	6.4	1.5
Barium	7440-39-3	1600	10000	57 B	29 B	38 B	16 JB	32 B	31 B	13 JB	160 B	64 B	19 B	57	9.7 J	31 B	74 B	89 B	15 JB
Beryllium	7440-41-7	63	2300	0.35 J	0.21 J	0.25 J	0.19 J	0.23 J	0.17 J	0.14 J	< 0.44 U	0.09 J	< 0.45 U	0.42 J	0.13 J	< 0.57 U	0.067 J	0.26 J	< 0.53 U
Cadmium	7440-43-9	7.5	77	0.078 J	0.046 J	0.2 J	< 0.2 U	0.24	< 0.21 U	< 0.18 U	0.28	0.15 J	0.044 J	0.072 J	0.076 J	< 0.23 U	< 0.25 U	< 0.19 U	< 0.21 U
Calcium Metal	7440-70-2	NS	NS	54000 B	95000 B	81000 B	130000 B	170000 B	95000 B	160000 B	130000 B	49000 B	81000 B	7800 B	200000 B	48000 B	70000 B	33000 B	120000 B
Chromium, Hexavalent	18540-29-9	38	120	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Chromium, Total Recoverable	7440-47-3	38	120	7.6	5.3	5.3	5.8	5.8	4.2	4.6	6.6	8.7	4.7	11	4.9	5.1	6.6	9.1	4
Cobalt	7440-48-4	NS	NS	4 J	2.6 J	2.6 J	2.7 J	2.9 J	2.4 J	1.5 J	2.2 J	4.3 J	2.2 J	5.9	2 J	2.6 J	3.8 J	5.7	2.1 J
Copper	7440-50-8	920	2900	8.9	6	7.1	5	6	3.1	2.7	8.8	9.1	4	17	7.6	5.7	7.7	14	2.8
Iron	7439-89-6	NS	NS	12000	6100	6800	7700	6300	5700	4600	5900	12000	5100	15000 B	5300 B	6700 B	9900 B	14000 B	4200 B
Lead	7439-92-1	81	230	6.2	3	27	3.2	56	2.4	2	1100	6	2.5	13	3	3.3	5	8.7	2.1
Magnesium	7439-95-4	NS	NS	14000	21000	20000	28000	20000	26000	30000	23000	14000	14000	3800 B	39000 B	13000	14000	13000	35000
Manganese	7439-96-5	NS	NS	410 B	200 B	290 B	260 B	280 B	270 B	280 B	230 B	430 B	220 B	540 B	280 B	240 B	460 B	620 B	170 B
Mercury	7439-97-6	2.1	32	< 0.11 U	< 0.091 U	< 0.1 U	< 0.077 U	< 0.089 U	< 0.095 U	< 0.093 U	0.15	0.02 J	< 0.091 U	0.022 J	< 0.088 U	< 0.12 U	< 0.11 U	< 0.1 U	< 0.088 U
Nickel	7440-02-0	950	2700	11	6.5	7.1	6.7	10	5.1	3.7	6.3	10	5.3	15	5.9	6.1	8.9	14	4.1 J
Potassium	7440-09-7	NS	NS	350 JB	250 JB	350 JB	190 JB	460 JB	230 JB	160 JB	400 JB	740 B	250 JB	770 B	340 JB	320 JB	340 JB	480 B	200 JB
Selenium	7782-49-2	5.2	53	< 0.53 UL	< 0.51 U	< 0.52 U	< 0.5 U	< 0.49 UL	< 0.53 U	< 0.46 U	< 0.44 U	< 0.52 U	< 0.45 U	< 0.57 U	< 0.52 U	< 0.57 U	< 0.62 U	< 0.48 U	< 0.53 U
Silver	7440-22-4	31	87	< 0.53 U	< 0.51 U	< 0.52 U	< 0.5 U	< 0.49 U	< 0.53 U	< 0.46 U	< 0.44 U	< 0.52 U	< 0.45 U	< 0.57 U	< 0.52 U	< 0.57 U	< 0.62 U	< 0.48 U	< 0.53 U
Sodium	7440-23-5	NS	NS	220 J	150 J	260 J	140 J	230 J	120 J	140 J	190 J	< 520 U	67 J	150 J	190 J	< 570 U	< 620 U	97 J	120 J
Thallium	7440-28-0	2.8	10	< 1.1 U	< 1 U	< 1 U	< 1 U	< 0.99 U	< 1.1 U	< 0.91 U	0.54 J	< 1 U	0.64 J	< 1.1 U	< 1 U	0.85 J	< 1.2 U	0.74 J	< 1.1 U
Vanadium	7440-62-2	NS	NS	11	8.4	7.7	9.2	8.9	6.2	5.1	8.6	14	6.8	19	6.5	8.1	11	14	7
Zinc	7440-66-6	10000	10000	36 B	22 B	55 B	18 B	41 B	15 B	12 B	160	38	16	46 B	18 B	23	30	51	14
Percent Moisture (%)	Moist	NS	NS	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
pH	pH	NS	NS	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

- Notes:
- o Results obtained using analytical method EPA SW846 6000/7000 via glass]
 - mg/kg Milligrams per kilogram
 - % Percentage
 - Constituent not analyzed
 - AOI Area of Interest
 - N Normal sample
 - FD Field duplicate sample
 - NS No screening level
 - IDEM Indiana Department of Environmental Management
 - RISC Risk Integrated System of Closure
 - † IDEM RISC Residential Closure Levels (2009)
 - ‡ IDEM RISC Industrial Closure Levels (2009)
 - Bold** Constituent exceeds IDEM RISC Residential Closure Levels
 - Italics** Constituent exceeds IDEM RISC Industrial Closure Level
 - < Constituent below the laboratory detection limit.
 - J Estimated concentration above the adjusted method detection limit and belo
 - U Indicates the compound was analyzed for, but not detected.
 - B Analyte detected method blank but was not detected in the associated sampl

Table 8. Metals Concentrations in Groundwater, RACER Trust,
Indianapolis, Indiana, Indianapolis - Stamping

			Site Name	AOI 17	AOI 17
			Location ID	MW-1112	MW-1112
			Sample Date	5/24/2011	5/24/2011
			Sample Type Code	N	FD
Constituents ^o (mg/L)	CAS No	Residential Closure Level [†]	Industrial Closure Level [‡]		
Aluminum	7429-90-5	NS	NS	< 0.2 U	0.19 JB
Antimony	7440-36-0	0.006	0.041	< 0.01 U	0.0025 J
Arsenic	7440-38-2	0.01	0.01	0.0047 J	< 0.01 U
Barium	7440-39-3	2	20	0.079 J	0.079 J
Beryllium	7440-41-7	0.004	0.2	< 0.005 U	0.00078 JB
Cadmium	7440-43-9	0.005	0.051	< 0.002 U	< 0.002 U
Calcium Metal	7440-70-2	NS	NS	74	72 B
Chromium, Total Recoverable	7440-47-3	0.1	0.31	0.0022 J	< 0.005 U
Cobalt	7440-48-4	NS	NS	< 0.007 U	< 0.007 U
Copper	7440-50-8	1.3	4.1	< 0.025 U	< 0.025 U
Iron	7439-89-6	NS	NS	0.15	0.13
Lead	7439-92-1	0.015	0.042	< 0.003 U	< 0.003 U
Magnesium	7439-95-4	NS	NS	23	22
Manganese	7439-96-5	NS	NS	0.016	0.017 B
Mercury	7439-97-6	0.002	0.031	< 0.0002 U	< 0.0002 U
Nickel	7440-02-0	0.73	2	< 0.04 U	< 0.04 U
Potassium	7440-09-7	NS	NS	4.1 JB	3.4 JB
Selenium	7782-49-2	0.05	0.51	< 0.005 U	< 0.005 U
Silver	7440-22-4	0.18	0.51	< 0.005 U	< 0.005 U
Sodium	7440-23-5	NS	NS	85	82
Thallium	7440-28-0	0.002	0.0072	< 0.01 U	< 0.01 U
Vanadium	7440-62-2	NS	NS	0.0013 J	< 0.007 U
Zinc	7440-66-6	11	31	0.0092 J	< 0.05 U*

Notes:

O Results obtained using analytical method EPA SW846 6000/7000 via plastic jar.

mg/L Milligrams per liter

% Percentage

--- Constituent not analyzed

AOI Area of Interest

N Normal sample

FD Field duplicate sample

NS No screening level

IDEM Indiana Department of Environmental Management

RISC Risk Integrated System of Closure

† IDEM RISC Residential Closure Levels (2009)

‡ IDEM RISC Industrial Closure Levels (2009)

Bold Constituent exceeds IDEM RISC Residential Closure Levels

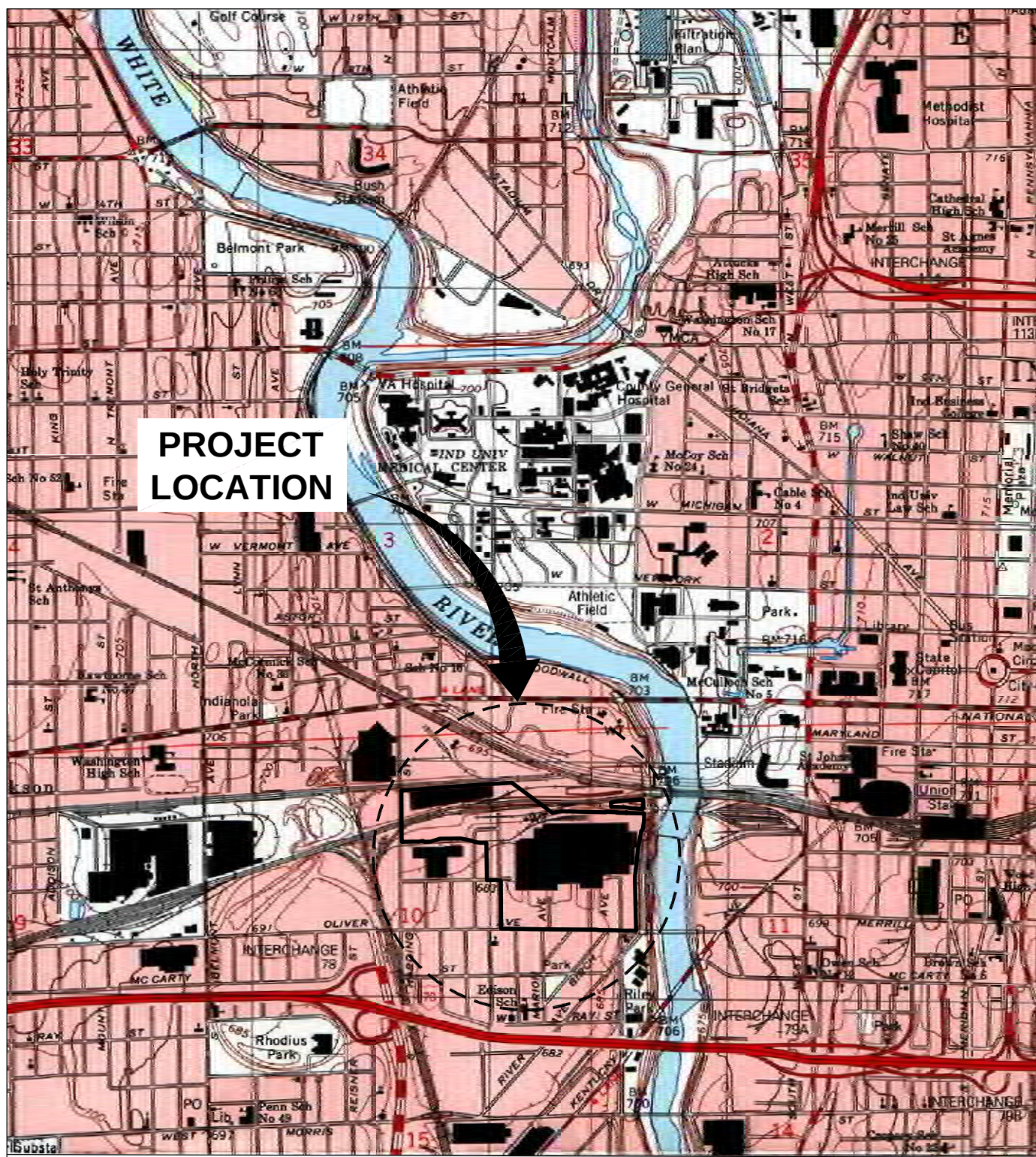
Italics Constituent exceeds IDEM RISC Industrial Closure Level

< Constituent below the laboratory detection limit.

J Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

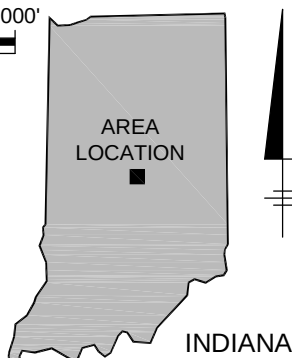
U Indicates the compound was analyzed for, but not detected.

B Analyte detected method blank but was not detected in the associated samples.



REFERENCE: BASE MAP USGS 7.5. MIN. TOPO. QUAD., INDIANAPOLIS WEST QUADRANGLE, INDIANA, 1967, PHOTOREVISED 1980.

0 2000' 4000'
 Approximate Scale: 1 in. = 2000 ft.



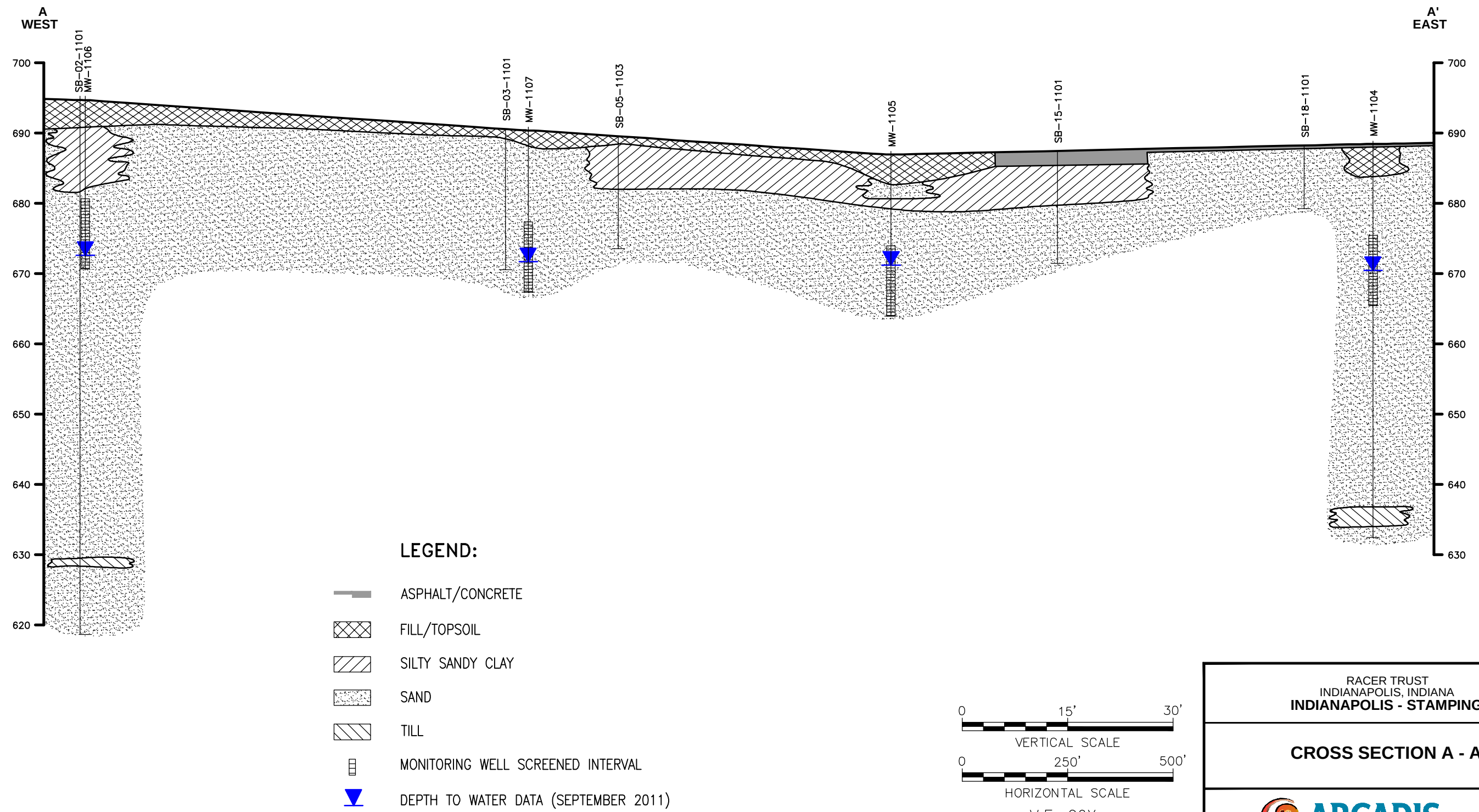
MOTORS LIQUIDATION COMPANY
 INDIANAPOLIS, INDIANA
 INDIANAPOLIS - STAMPING

SITE LOCATION MAP



FIGURE
1

CITY:\REQD\DIV\GROUP\REQD\DB\REQD\LD\OPT\PIC\OPT\PM\REQD\TM\OPT\LYR\OPTION=OFF=REF*
G:\ENV\CAD\SYRACUSE\ACT\IN\00694\2011\00002\DWG\00694V01.dwg LAYOUT: XSAVED: 10/3/2011 4:58 PM ACADVER: 18.15 (LMS TECH) PAGESETUP: ---PLOTSTYLETABLE: PLT\FULLCTB PLOTTED: 10/3/2011 4:58 PM BY: SCHILLING, ADAM
XREFS: IMAGES: PROJECTNAME: ---



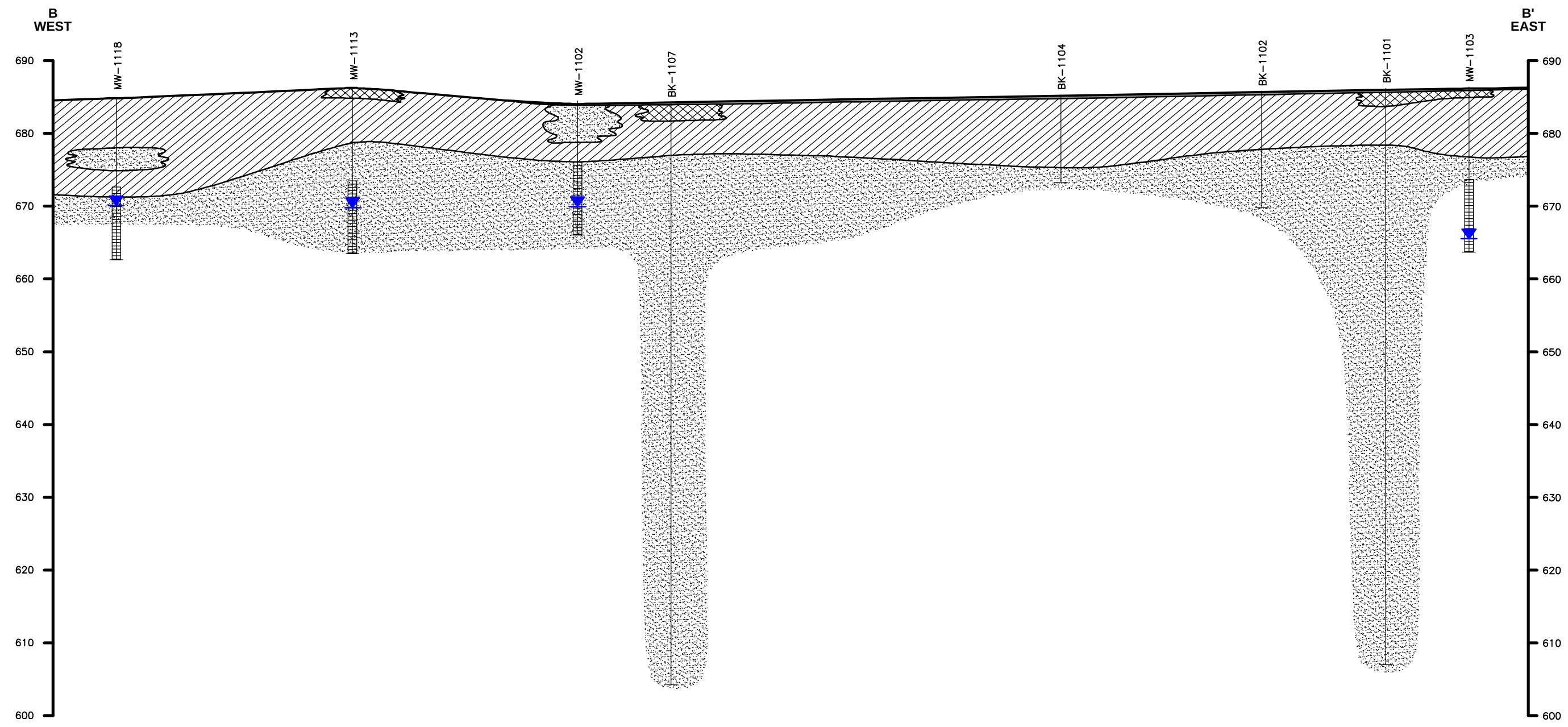
RACER TRUST
INDIANAPOLIS, INDIANA
INDIANAPOLIS - STAMPING

CROSS SECTION A - A'



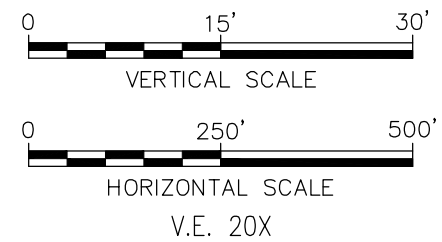
FIGURE
4

CITY:\REQD\ DIV\GROUP\REQD\ DB\REQD\ LD\OPT\ PIC\REQD\ PM\REQD\ TM\OPT\ LVR\OPTION\OFF=REF*
G:\ENVCAD\SYRACUSE\ACT\IN\00694\2011\00002\DWG\00694\02.dwg LAYOUT: XSAVED: 10/3/2011 5:05 PM ACADVER: 18.15 (LMS TECH) PAGES: 1
XREFS: 00694XLB
IMAGES: PROJECTNAME: ---



LEGEND:

- ASPHALT/CONCRETE
- FILL/TOPSOIL
- SILTY SANDY CLAY
- SAND
- TILL
- MONITORING WELL SCREENED INTERVAL
- DEPTH TO WATER DATA (SEPTEMBER 2011)

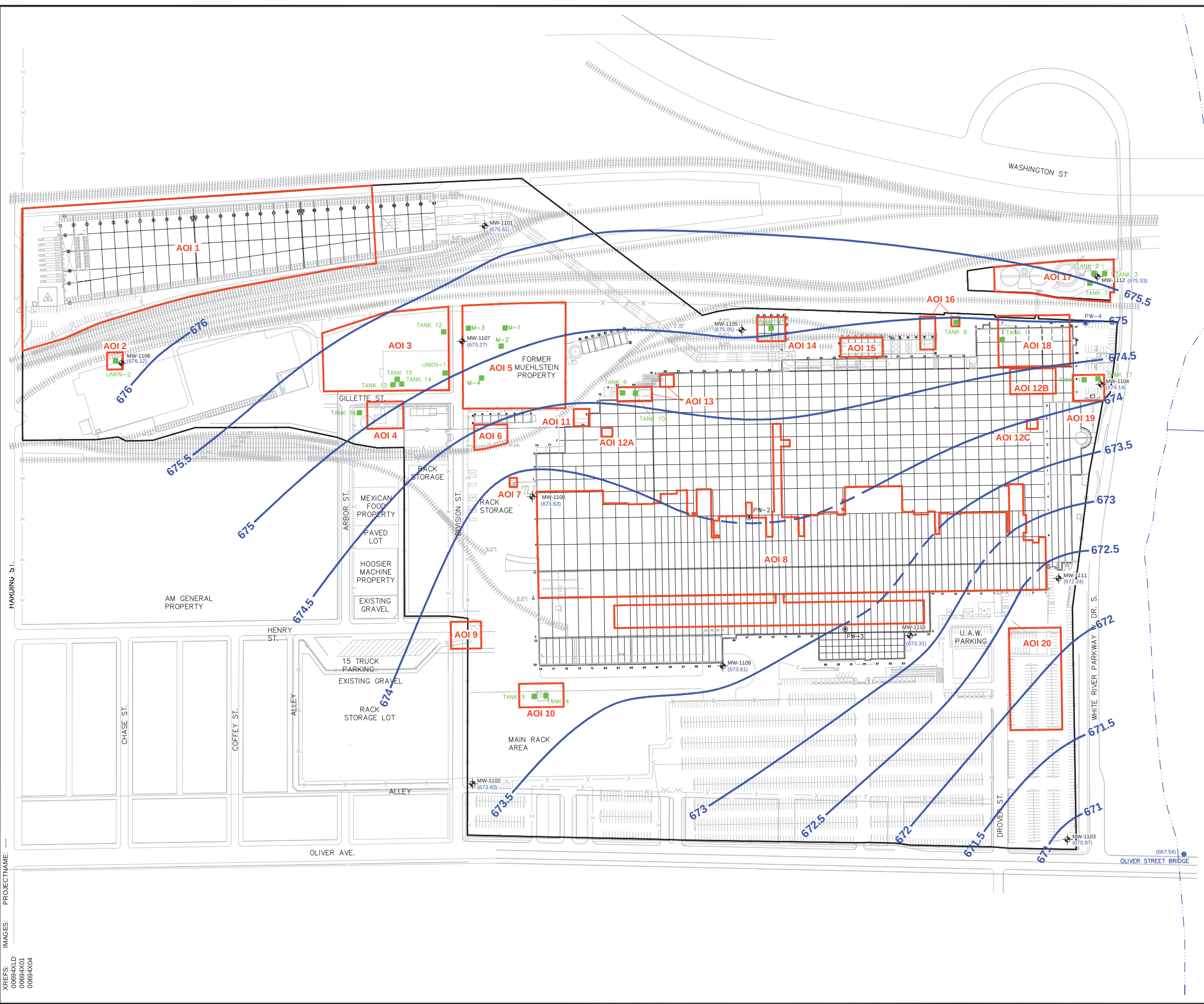


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INDIANAPOLIS, INDIANA
INDIANAPOLIS - STAMPING

CROSS SECTION B - B'

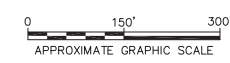


CITY: SYRACUSE DIV/GRP: ENV/141 DE: G. STOWELL PM: S. FISHER LYNONE=OFF=REF*
G:\ENVCAD\SYRACUSE\ACT\IN000694\2011000202DWG\00694W02.dwg LAYOUT: 2_SAVED: 6/15/2011 5:00 PM ACADVER: 18.05 (LMS TECH) PAGES: 18.05 (LMS TECH) PLOT: PLT/CTB PLOTTED: 6/15/2011 5:00 PM BY: STOWELL, GARY



LEGEND:

- AOI 4 AREA OF INTEREST
- UNDERGROUND STORAGE TANK
- PW-4 OPERATIONAL PRODUCTION WELL
- PW-2 ABANDONED/ TEMPORARY ABANDONED PRODUCTION WELL
- PROPERTY BOUNDARY
- MW-1112 RFI MONITORING WELL
- (675.53) GROUNDWATER ELEVATION
- 673 POTENTIOMETRIC SURFACE (DASHED WHERE INFERRED)

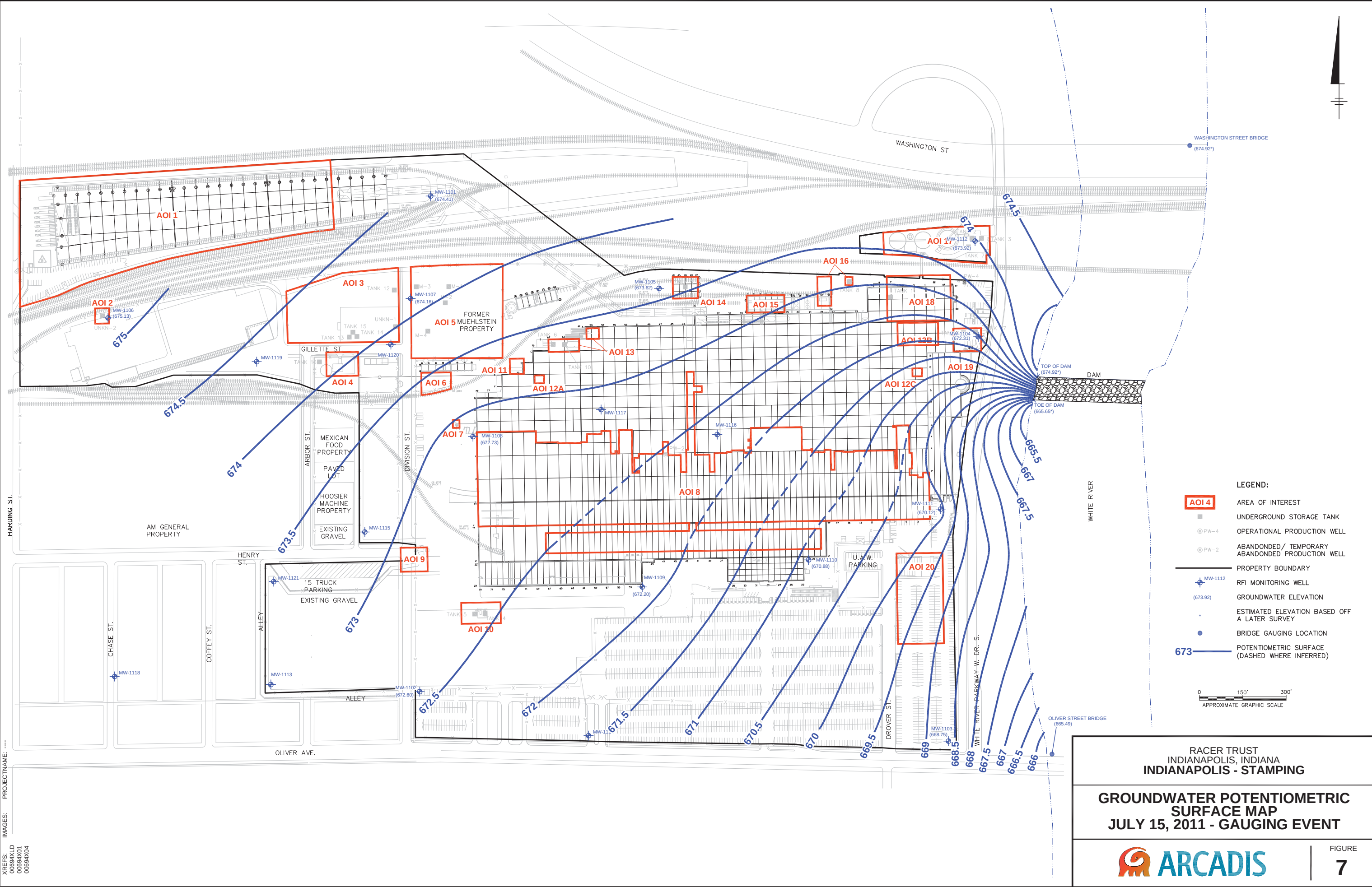


RACER TRUST
INDIANAPOLIS, INDIANA
INDIANAPOLIS - STAMPING

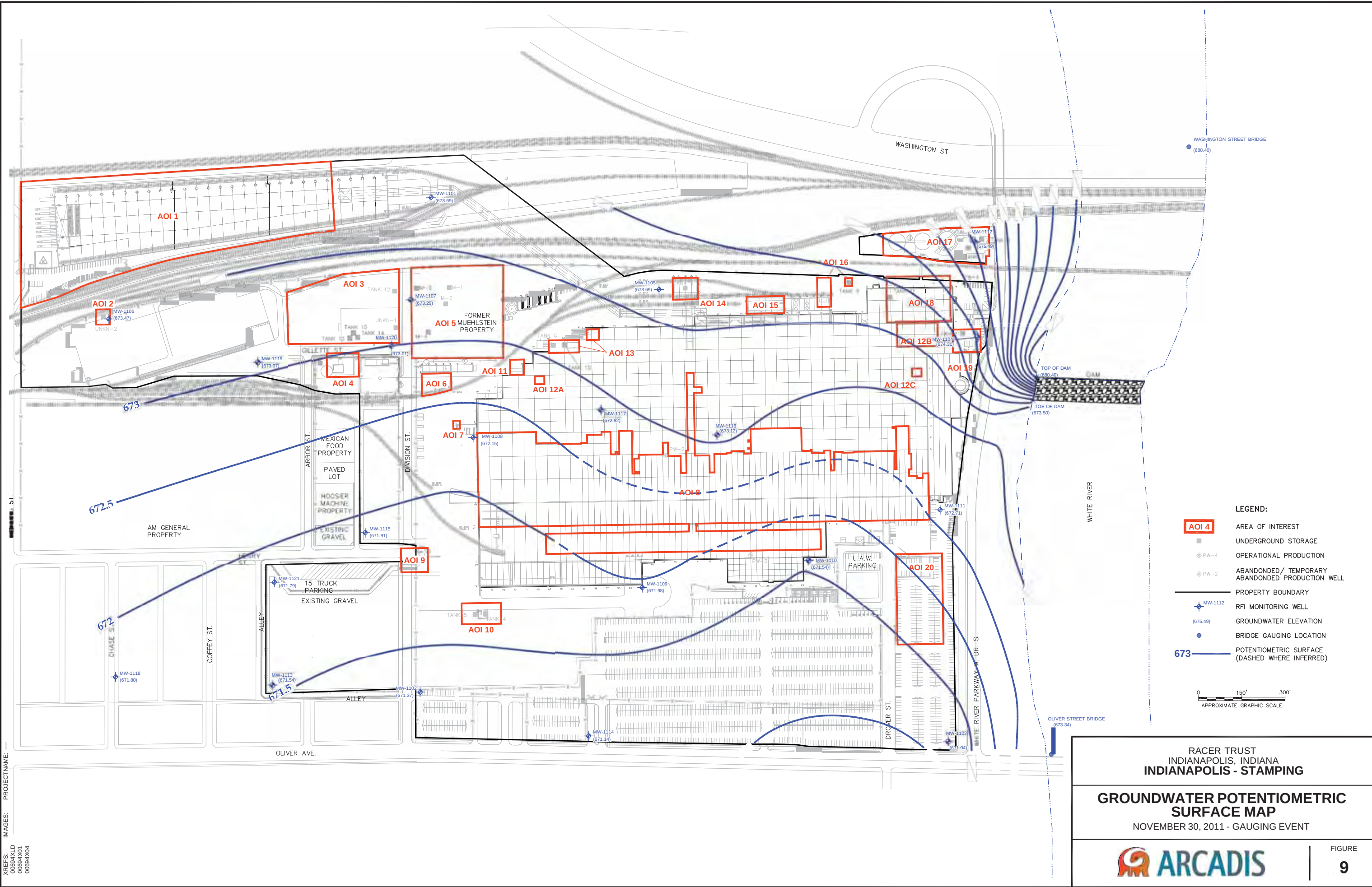
**GROUNDWATER POTENTIOMETRIC
SURFACE MAP**
JUNE 2, 2011 - GAUGING EVENT

FIGURE
6

CITY: SYRACUSE DIV/GROUP: ENV141 DB: G STOWELL PM: S FISHER LVR: ON**OFF**REF*
G:\ENV\CAD\SYRACUSE\ACT\100002\DWG\00694W07.dwg ACADVER: 18.05 (LMS TECH) PAGES: 22 LAYOUT: 2.2 SAVED: 1/17/2012 2:12 PM
XREFS: 00694XLD 00694X01 00694X04
IMAGES: PROJECTNAME: ---



CITY:SYRACUSE DIV:GROUP:ENV141 DE:G:STOWELL PM:S:FISHER LYN:ON="OFF=REF" G:ENV:CAD:SYRACUSE:ACT:IN:006644:201100002:DWG:00664W:06.dwg LAYOUT:2,1 SAVED 1/17/2012 2:12 PM ACADVER:18.05 (LMSTECH) PAGES:20 C:\D-PDF-CONV PLOTSTYLE:TABLE: PLT:FULLCTB PLOTTED:1/17/2012 2:16 PM BY:KOWALCZYK,STEVE



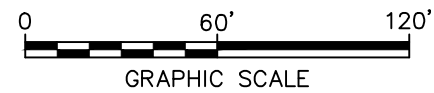
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GROUNDWATER POTENTIOMETRIC
SURFACE MAP
NOVEMBER 30, 2011 - GAUGING EVENT



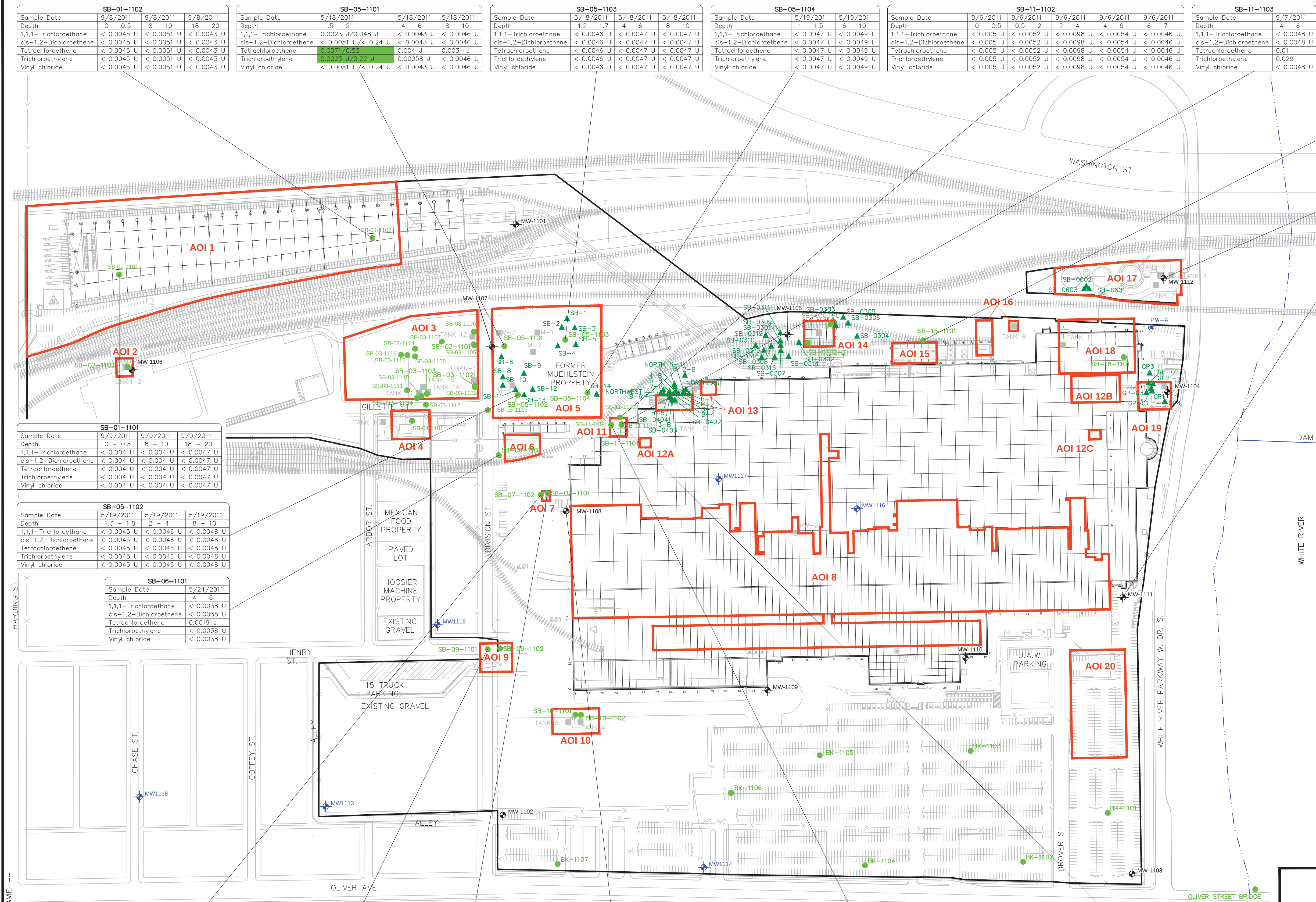
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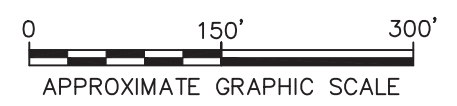


AOI 3 SOIL ANALYTICAL RESULTS FOR SELECT VOCs

FIGURE
10



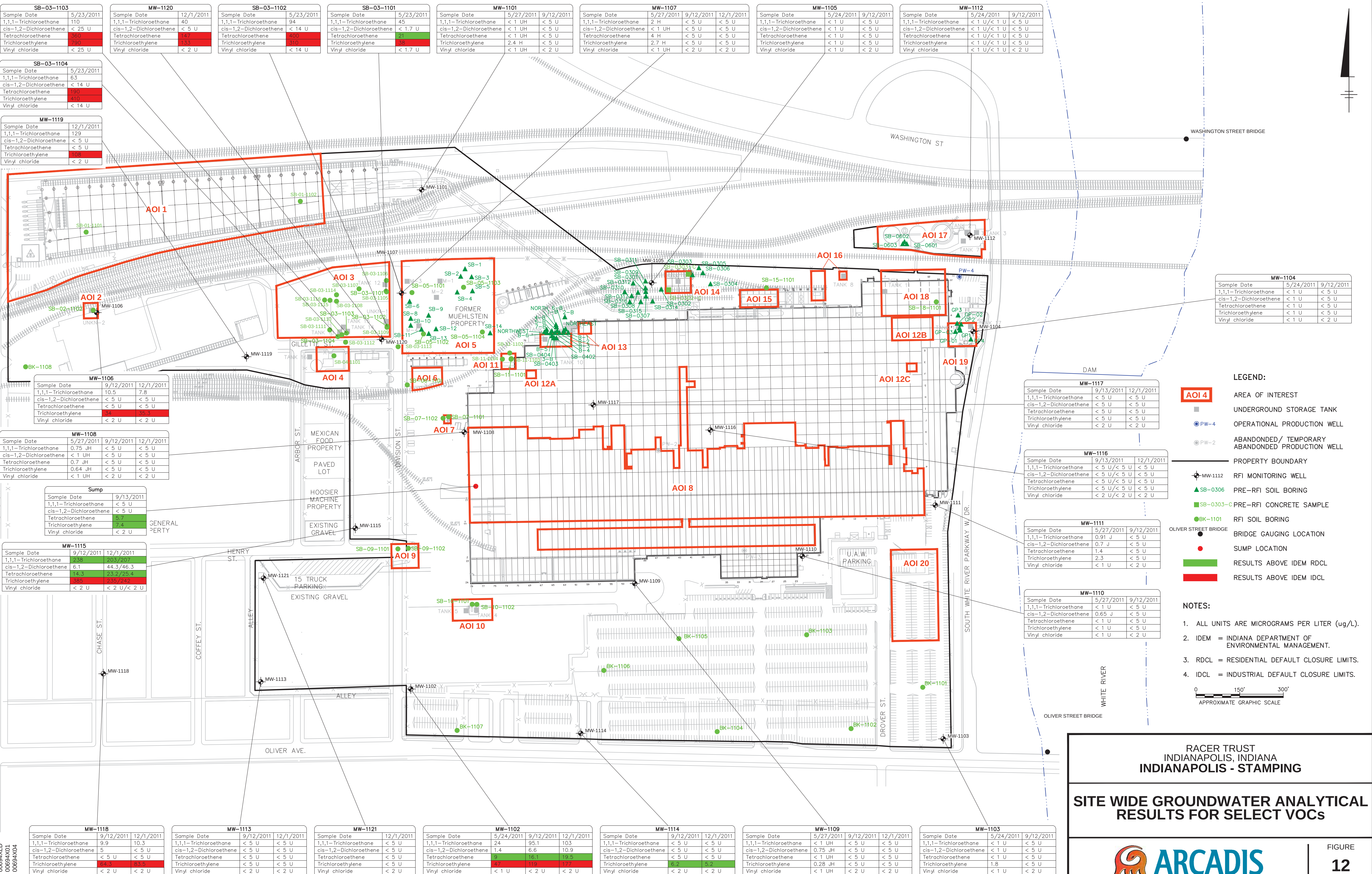
- LEGEND:**
- AOI 4 AREA OF INTEREST
 - UNDERGROUND STORAGE TANK
 - PW-4 OPERATIONAL PRODUCTION WELL
 - PW-2 ABANDONED/ TEMPORARY ABANDONED PRODUCTION WELL
 - PROPERTY BOUNDARY
 - MW-1112 RFI MONITORING WELL
 - SB-0306 PRE-RFI SOIL BORING
 - SB-0303-C PRE-RFI CONCRETE SAMPLE
 - BK-1101 RFI SOIL BORING
 - RESULTS ABOVE IDEM RDCL
 - RESULTS ABOVE IDEM IDCL
- NOTES:**
- ALL UNITS ARE MILLIGRAMS PER KILOGRAM (mg/Kg).
 - IDEM = INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT.
 - RDCL = RESIDENTIAL DEFAULT CLOSURE LIMITS.
 - IDCL = INDUSTRIAL DEFAULT CLOSURE LIMITS.



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INDIANAPOLIS - STAMPING

SITE WIDE SOIL ANALYTICAL RESULTS
FOR SELECT VOCs







Appendix A

Soil Boring and Monitoring Wells
Logs



SOIL CORE / SAMPLING LOG

Boring/Well	BK-1101 Deep	Project/No.	IMC/IN694.2011.2		
Site Location	Indianapolis, IN	Drilling Date/Time Started	5/18/11	Drilling Date/Time Completed	5/31/11
Drilling Contractor	Midway	Driller/License#	Mark Hicks		
Drilling Fluid Used	none	Drilling Method	Direct push		
Length and Diameter of Coring Device	4 ft / 2 in	Sampling Interval	2 feet		
Land-Surface Elev.	-- feet	☐ Surveyed ☐ Estimated	Datum		
Total Depth Drilled	79 Feet	Hole Diameter	2"	Coring Device	
Prepared By	Wesley Kuhn / Emily Gercke	Hammer Weight	NA	Hammer Drop	NA ins.
Boring Termination Depth	79	Water	14'	GPS Coordinates	

Sampling Data: NA

Depth	Grab/Composite	Time	QA/QC Samples	Laboratory Analysis
2.5-7.5'	Composite	940		Metals
7.5-11'	Composite	945		Metals

Well Location Sketch:

Soil Characterization:

Sample/Core Depth (Feet bls)		Core Recovery (%)	PID Reading (ppm)	FID Reading	USCS Description/Depth From - To	Sample/Core Description
From	To					
0.0	2.0	100	16.15	12.50		0-2.5' Asphalt, fill, black, gravel, sand, large pebbles
2.0	4.0	100	6.85	0.17		
4.0	6.0	50	6.70	0.62		2.5-7.5' Silty sand, medium plasticity, soft, well-sorted, brown (10YR 4/3)
6.0	8.0	50	6.15	1.15		
8.0	10.0	50	7.50	2.62		7.5-14' Sand and gravel, medium grained to large pebble, angular to rounded, yellowish brown (10YR 5/4)
10.0	12.0	50	7.10	2.60		
12.0	14.0	75	7.05	3.54		14' water table, color change to brown (10YR 4/3)
14.0	16.0	75	6.93	6.15		
16.0	18.0	75	7.75	13.18		14-19' Sand, med-large pebble, some gravel, poorly sorted, wet, brown 10YR 4/3
18.0	20.0	75	7.50	23.50		
20.0	22.0	75	8.61	13.48		19-24' Sand and gravel, medium to large pebble, loose, brown (10YR 4/3), sub-rounded to rounded
22.0	24.0	75	10.53	6.30		
24.0	26.0	30	11.82	10.35		
26.0	28.0	30	12.53	15.00		24-28.2' Sand, fine to coarse grained, trace large pebble, well-sorted, medium dense, wet, rounded pebbles, brown (10YR 4/3)
28.0	30.0	50	10.36	17.42		
30.0	32.0	50	8.47	17.90		
32.0	34.0	50	7.51	12.86		28.2-38' Sand and gravel, med-large pebble, poorly sorted, loose, angular to rounded, wet, brown (10YR 4/3)
34.0	36.0	50	7.54	14.97		
36.0	38.0	50	0.66	4.20	new PID/FID calib.	
38.0	40.0	50	0.80	1.83		38-40' Sand, fine-coarse, well-sorted, trace lg and sm. pebble, medium dense, greyish brown (10YR 5/2)
40.0	42.0	50	0.77	2.05		

Well Construction Details: SEE WELL CONSTRUCTION LOG

Surface Protection	Casing	Seal	Screen	Filter Pack
Type	Diameter	Type	Type	Material
Total Depth	Length	Top Depth	Diameter	Top Depth
	Material	Bottom Depth	Slot Size	Bottom Depth
			Top Depth	
			Bottom Depth	



SOIL CORE / SAMPLING LOG

Boring/Well BK-1101 Deep Project/No. IMC/IN694.2011.2

Site Location Indianapolis, IN Drilling Date/Time Started 5/18/11 Drilling Date/Time Completed 5/31/11

Drilling Contractor Midway Driller/License# Mark Hicks

Drilling Fluid Used none Drilling Method Direct push

Length and Diameter of Coring Device 4 ft / 2 in Sampling Interval 2 feet

Land-Surface Elev. -- feet ☐ Surveyed ☐ Estimated Datum _____

Total Depth Drilled 79 Feet Hole Diameter 2" Coring Device _____

Prepared By Wesley Kuhn Hammer Weight NA Hammer Drop NA ins.

Boring Termination Depth 79 Water 14' GPS Coordinates _____

Sampling Data: NA

Depth	Grab/Composite	Time	QA/QC Samples	Laboratory Analysis
2.5-7.5'	Composite	940		Metals
7.5-11'	Composite	945		Metals

Well Location Sketch:

Soil Characterization:

Sample/Core Depth (Feet bbs)		Core Recovery (%)	PID Reading (ppm)	FID Reading	USCS Description/Depth From - To	Sample/Core Description
42.0	44.0	50	0.82	2.80		
44.0	46.0	50	0.60	0.60		40-56.2' Sand and gravel, medium to very large pebble, poorly sorted, loose, wet, angular to rounded, greyish brown (10YR 5/2)
46.0	48.0	50	0.86	0.47		43.5-44' Silty sand lens, low plasticity, soft, wet, gray (10YR 5/1)
48.0	50.0	50	0.90	4.12		
50.0	52.0	50	1.20	6.00		
52.0	54.0	50	1.15	6.84		47.4-47.6' Silty sand lens, same as above
54.0	56.0	50	1.12	9.30		
56.0	58.0	100	77.59	2.37		56.2-58.3' Gravel, some coarse sand to very large pebble, poorly sorted, sub-rounded to rounded, wet, loose, gray (10YR 5/1)
58.0	60.0	100	32.11	3.84		
60.0	62.0	100	4.35	4.00		
62.0	64.0	100	3.93	4.04		58.3-60.5' Sand, fine to medium, trace large pebble, rounded, gray (10YR 5/1)
64.0	66.0	100	7.75	2.55		
66.0	68.0	100	7.88	5.67		60.5-79' Sand and gravel, coarse to very large pebble, poorly sorted, angular to rounded, loose, wet, gray (10YR 5/1), grading to medium to very large pebble
68.0	70.0	100	25.60	3.00		
70.0	72.0	90	22.50	5.60		66.2-67.4' very fine to fine sand lens, trace very large pebble, angular, wet, dark gray (10YR 4/1)
72.0	74.0	90	21.29	1.08		
74.0	76.0	100	22.80	11.00		
76.0	78.0	100	29.00	5.04		72-73' fine-medium sand lens, angular, wet, 10YR 4/1
78.0	80.0	100	20.35	5.10		
						74-77 Sand, with some gravel, same as 60.5-79 but with more sand.
						79' Refusal. Weathered LS chunks in cutting shoe with gray clay residue- have not seen clay otherwise. EOB

Well Construction Details: SEE WELL CONSTRUCTION LOG

Surface Protection	Casing	Seal	Screen	Filter Pack
Type _____	Diameter _____	Type _____	Type _____	Material _____
Total Depth _____	Length _____	Top Depth _____	Diameter _____	Top Depth _____
			Slot Size _____	
			Top Depth _____	
	Material _____	Bottom Depth _____	Bottom Depth _____	Bottom Depth _____

SOIL CORE / SAMPLING LOG

Boring/Well	BK-1102	Project/No.	IMC/IN694.2011.2
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Site Location	Indianapolis, IN	Drilling Date/Time Started	5/17/11	Drilling Date/Time Completed	5/17/11
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Drilling Contractor	Midway	Driller/License#	Mark Hicks
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Drilling Fluid Used	none	Drilling Method	Direct push
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Length and Diameter of Coring Device 4 ft / 2 in Sampling Interval 2 feet

Land-Surface Elev. -- feet ☐ Surveyed ☐ Estimated Datum _____

Total Depth Drilled	16	Feet	Hole Diameter	2"	Coring Device
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Prepared		Hammer		Hammer		
By	Wesley Kuhn	Weight	NA	Drop	NA	ins.

Boring Termination Depth	16'	Water	15'	GPS Coordinates	
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Sampling Data: NA

Depth	Grab/Composite	Time	QA/QC Samples	Laboratory Analysis
0.3-7.8	C	1700	MS/MSD	Metals
7.8-11.0	C	1710		Metals

Well Location Sketch:

Soil Characterization:

[illegible]

Well Construction Details: SEE WELL CONSTRUCTION LOG

Surface Protection		Casing		Seal		Screen		Filter Pack	
Type		Diameter		Type		Type		Material	
Total Depth		Length		Top Depth		Diameter		Top Depth	
					Slot Size				
					Top Depth				
		Material		Bottom Depth		Bottom Depth		Bottom Depth	



SOIL CORE / SAMPLING LOG

Boring/Well BK-1103 Project/No. IMC/TN694.2011.2Site Location Indianapolis, IN Drilling Date/Time Started 5/25/11 Drilling Date/Time Completed 5/25/11Drilling Contractor Midway Driller/License# Mark HicksDrilling Fluid Used none Drilling Method Direct pushLength and Diameter of Coring Device 4 ft / 2 in Sampling Interval 2 feetLand-Surface Elev. -- feet ☐ Surveyed ☐ Estimated Datum Total Depth Drilled 12 Feet Hole Diameter 2" Coring Device Prepared By Wesley Kuhn Hammer Weight NA Hammer Drop NA ins.Boring Termination Depth 12' Water 11.5' GPS Coordinates

Sampling Data: NA

Depth	Grab/Composite	Time	QA/QC Samples	Laboratory Analysis
1-3.5'	Composite	1405		Metals
3.5-7.5'	Composite	1410		Metals
7.5-12'	Composite	1415		Metals

Well Location Sketch:

Soil Characterization:

Sample/Core Depth (Feet b/s)		Core Recovery (%)	PID Reading (ppm)	FID Reading	USCS Description/Depth		Sample/Core Description
From	To				From	To	
0.0	2.0	100	315.00	1.90			0-0.4' Asphalt
2.0	4.0	100	560.00	0.00			
4.0	6.0	50	18.53	1.83			0.4-1' Fill, sand and gravel
6.0	8.0	50	83.05	2.05			
8.0	10.0	75	39.04	0.79			1-3.5' Sand, very fine to fine grained, well sorted, trace small pebbles, brown
10.0	12.0	75	15.47	0.00			(10YR 4/3)
							3.5-7.5' Silty sand, non-plastic, loose, dark brown (10YR 3/3)
							7.5-12' Sand and gravel, medium grained to very large pebble, angular to rounded, poorly sorted, yellowish brown (10YR 5/4), moist
							10' color change to 10YR 5/8
							11.5' Water table
							12' EOB

Well Construction Details: SEE WELL CONSTRUCTION LOG

Surface Protection	Casing	Seal	Screen	Filter Pack
Type <u></u>	Diameter <u></u>	Type <u></u>	Type <u></u>	Material <u></u>
Total Depth <u></u>	Length <u></u>	Top Depth <u></u>	Diameter <u></u>	Top Depth <u></u>
			Slot Size <u></u>	
			Top Depth <u></u>	
	Material <u></u>	Bottom Depth <u></u>	Bottom Depth <u></u>	Bottom Depth <u></u>

SOIL CORE / SAMPLING LOG

Boring/Well	BK-1104	Project/No.	IMC/IN694.2011.2
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Site Location	Indianapolis, IN	Drilling Date/Time Started	5/25/11	Drilling Date/Time Completed	5/25/11
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Drilling Contractor	Midway	Driller/License#	Mark Hicks
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Drilling Fluid Used	none	Drilling Method	Direct push
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Length and Diameter of Coring Device 4 ft / 2 in Sampling Interval 2 feet

Land-Surface Elev. -- feet ☐ Surveyed ☐ Estimated Datum _____

Total Depth Drilled 12 Feet Hole Diameter 2" Coring Device _____

Prepared		Hammer		Hammer
By	Wesley Kuhn	Weight	NA	Drop
				NA
				ins.

Boring Termination Depth 12' Water 12' GPS Coordinates

Sampling Data: NA

Depth	Grab/Composite	Time	QA/QC Samples	Laboratory Analysis
0.6-10'	Composite	1630		Metals
10-12'	Composite	1635		Metals

Well Location Sketch:

Soil Characterization:

[illegible]

Well Construction Details: SEE WELL CONSTRUCTION LOG

Surface Protection		Casing		Seal		Screen		Filter Pack	
Type		Diameter		Type		Type		Material	
Total Depth		Length		Top Depth		Diameter		Top Depth	
					Slot Size				
					Top Depth				
		Material		Bottom Depth		Bottom Depth		Bottom Depth	

SOIL CORE / SAMPLING LOG

Boring/Well	BK-1105	Project/No.	IMC/IN694.2011.2
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Site Location	Indianapolis, IN	Drilling Date/Time Started	5/25/11	Drilling Date/Time Completed	5/25/11
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Drilling Contractor	Midway	Driller/License#	Mark Hicks
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Drilling Fluid Used	none	Drilling Method	Direct push
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Length and Diameter of Coring Device 4 ft / 2 in Sampling Interval 2 feet

Land-Surface Elev. -- feet ☐ Surveyed ☐ Estimated Datum _____

Total Depth Drilled	12	Feet	Hole Diameter	2"	Coring Device
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Prepared		Hammer		Hammer		
By	Wesley Kuhn	Weight	NA	Drop	NA	ins.

Boring Termination Depth	12'	Water	11.5'	GPS Coordinates	
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Sampling Data: NA

Depth	Grab/Composite	Time	QA/QC Samples	Laboratory Analysis
0.6-4'	Composite	1520	FD-6 (052511)	Metals
4-12'	Composite	1525		Metals

Well Location Sketch:

Soil Characterization:

[illegible]

Well Construction Details: SEE WELL CONSTRUCTION LOG

Surface Protection		Casing		Seal		Screen		Filter Pack	
Type		Diameter		Type		Type		Material	
						Diameter			
Total Depth		Length		Top Depth		Slot Size		Top Depth	
						Top Depth			
		Material		Bottom Depth		Bottom Depth		Bottom Depth	

[illegible][illegible]

Surface Protection		Casing		Seal		Screen		Filter Pack	
Type		Diameter		Type		Type		Material	
Total Depth		Length		Top Depth		Diameter		Top Depth	
	Slot Size								
					Top Depth				
		Material		Bottom Depth		Bottom Depth		Bottom Depth	



SOIL CORE / SAMPLING LOG

Boring/Well BK-1107 Project/No. IMC/IN000694.2011.00002

Site Location Indianapolis, IN Drilling Date/Time Started 5/26/11 Drilling Date/Time Completed 6/2/11

Drilling Contractor Midway Driller/License# Mark Hicks

Drilling Fluid Used none Drilling Method Direct push

Length and Diameter of Coring Device 4 ft / 2 in Sampling Interval 2 feet

Land-Surface Elev. -- feet ☐ Surveyed ☐ Estimated Datum

Total Depth Drilled 12' Feet Hole Diameter 2" Coring Device Macro-core

Prepared By Wesley Kuhn Hammer Weight NA Hammer Drop NA ins.

Boring Termination Depth 80' Water 11.5' GPS Coordinates

Sampling Data: NA

Depth	Grab/Composite	Time	QA/QC Samples	Laboratory Analysis
0.6'-2.8'	Composite	930		Metals
2.8'-7'	Composite	935		Metals
7'-11.5'	Composite	940		Metals

Well Location Sketch:

Soil Characterization:

Sample/Core Depth (Feet bsl) From To		Core Recovery (%)	PID Reading (ppm)	FID Reading	USCS Description/Depth From - To	Sample/Core Description
0.0	2.0	100	39.40	1.64	0-0.6'	Asphalt lot
2.0	4.0	100	19	1.12		
4.0	6.0	75	14.25	1.11	0.6'-2.8'	Fill, sand and gravel, medium to very large pebbles, brick pieces, Very Dark Grey
6.0	8.0	75	17.5	2.09		(10YR 3/1). Small cobbles, Grayish brown (10YR 5/2), trace silts, bricks.
8.0	10.0	50	14.08	2.72		
10.0	12.0	50	11.15	3.76	2.8'-7'	Silty sand, non to low plasticity, soft, Dark brown (10YR 3/3), moist.
12.0	14.0	40	18.29	1.30		
14.0	16.0	75	17.95	47.70	7'-8'	Sand, f 7-12' Sand, medium to large pebble, poorly sorted, angular to sub-rounded
16.0	18.0	100	19.21	-0.19		trace silts.
18.0	20.0	100	15.8	-1.13		
20.0	22.0	100	14.38	2.38	8'-12'	Sand and gravel, medium grained to very large pebble, poorly sorted, Yellowish
22.0	24.0	100	14.56	6.11		brown (10YR 3/4).
24.0	26.0	10	--	--		- 11.5' water table, color change to Brown (10YR 4/3).
26.0	28.0	10	--	--		
28.0	30.0	100	3.41	1.01	12'-14'	Sand and gravel, medium sand to large pebble, poorly sorted, sub-rounded,
30.0	32.0	100	5.72	3.24		10YR 5/4
32.0	34.0	100	6.09	3.62	14'-15.5'	Wood, stained light and dark brown
34.0	36.0	100	5.82	6.39		
36.0	38.0	100	8.88	2.45	15.5'-44'	Sand and gravel, medium sand to large pebble, poorly sorted, sub-rounded,
38.0	40.0	100	8.30	8.36		10YR 4/6, occasional clay.
40.0	42.0	75	6.54	0.65		-17.6'-18' Silty clayey sand 10YR 3/2, very soft, medium plasticity,
42.0	44.0	75	6.75	4.97		-18'-19' Med/coarse sand, occasional pebble, very wet, loose, 10YR 3/3
44.0	46.0	10	--	--		-22' Color change to 10YR 4/3

Well Construction Details: SEE WELL CONSTRUCTION LOG

Surface Protection	Casing	Seal	Screen	Filter Pack
Type <u> </u>	Diameter <u> </u>	Type <u> </u>	Type <u> </u>	Material <u> </u>
Total Depth <u> </u>	Length <u> </u>	Top Depth <u> </u>	Diameter <u> </u>	Top Depth <u> </u>
	Material <u> </u>	Bottom Depth <u> </u>	Slot Size <u> </u>	
			Top Depth <u> </u>	
			Bottom Depth <u> </u>	Bottom Depth <u> </u>



SOIL CORE / SAMPLING LOG

Boring/Well	BK-1107	Project/No.	IMC/IN000694.2011.00002		
Site Location	Indianapolis, IN	Drilling Date/Time Started	5/26/11	Drilling Date/Time Completed	6/2/11
Drilling Contractor	Midway	Driller/License#	Mark Hicks		
Drilling Fluid Used	none	Drilling Method	Direct push		
Length and Diameter of Coring Device	4 ft / 2 in	Sampling Interval	2 feet		
Land-Surface Elev.	-- feet	☐ Surveyed ☐ Estimated	Datum		
Total Depth Drilled	12' Feet	Hole Diameter	2"	Coring Device	Macro-core
Prepared By	Wesley Kuhn	Hammer Weight	NA	Hammer Drop	NA ins.
Boring Termination Depth	80'	Water	11.5'	GPS Coordinates	

Sampling Data: NA

Depth	Grab/Composite	Time	QA/QC Samples	Laboratory Analysis
0.6'-2.8'	Composite	930		Metals
2.8'-7'	Composite	935		Metals
7'-11.5'	Composite	940		Metals

Well Location Sketch:

Soil Characterization:

Sample/Core Depth (Feet bls)		Core Recovery (%)	PID Reading (ppm)	FID Reading	USCS Description/Depth		Sample/Core Description
From	To					From - To	
46.0	48.0	50	13.39	3.55			-24'-28' Poor recovery (sleeve stuck in casing and had to sacrifice) but saw sand and gravel in remains on ground.
48.0	50.0	100	3.50	3.11			-35.5' Fine sand lens, occasional small pebbles, well sorted, wet, 3" thick.
50.0	52.0	100	4.71	5.25			-38' Gravel and sand (4" thick).
52.0	54.0	90	4.73	3.35			-42.8'-43' Gravel and sand.
54.0	56.0	90	5.60	5.50			
56.0	58.0	100	8.89	1.52			
58.0	60.0	100	10.36	4.25	44'-48'		Fine sand, well sorted, 10YR 4/2, moist/wet (poor recovery because core sleeve would not come out).
60.0	62.0	100	10.60	5.24			
62.0	64.0	100	14.10	5.62			
64.0	66.0	100	9.88	3.39	48'-56.5'		Sand, medium to very coarse, some pebbles, subangular to subrounded, loose, wet, 10YR 3/2.
66.0	68.0	100	12.59	6.97			
68.0	70.0	100	11.90	7.02			-54'-55' Sand and gravel.
70.0	72.0	100	11.91	8.55			
72.0	74.0	100	25.40	5.22	56.5'-59.8'		Sand and gravel, subangular to subrounded with intervals of increased sand/gravel layers, medium sand to gravel, poorly sorted, wet, loose, 10YR 3/2.
74.0	76.0	100	12.56	6.50			
76.0	78.0	100	81.90	5.49			
78.0	80.0	100	58.80	9.06	59.8'-80'		Fine sand with some medium and coarse sand, occasional gravel/pebble, mostly well-sorted with lenses of poorly sorted, wet, 10YR 4/2.
							-67.5'-68' laminations in color/fines content.
							-72' sand gets very fine
							Note: On the way back down to 80', hit refusal @ 73' in fine sand - cannot go any further - worked for 10+ minutes. EOB @ 80'.

Well Construction Details: SEE WELL CONSTRUCTION LOG

Surface Protection	Casing	Seal	Screen	Filter Pack
Type	Diameter	Type	Type	Material
Total Depth	Length	Top Depth	Diameter	Top Depth
	Material	Bottom Depth	Slot Size	Bottom Depth
			Top Depth	
			Bottom Depth	



SOIL CORE / SAMPLING LOG

Boring/Well BK-1108 Project/No. IMC/IN694.2011.2Site Location Indianapolis, IN Drilling Date/Time Started 5/20/11 Drilling Date/Time Completed 5/20/11Drilling Contractor Midway Driller/License# Mark HicksDrilling Fluid Used none Drilling Method Direct pushLength and Diameter of Coring Device 4 ft / 2 in Sampling Interval 2 feetLand-Surface Elev. -- feet ☐ Surveyed ☐ Estimated Datum Total Depth Drilled 20 Feet Hole Diameter 2" Coring Device Prepared By Wesley Kuhn Hammer Weight NA Hammer Drop NA ins.Boring Termination Depth 20' Water GPS Coordinates

Sampling Data: NA

Depth	Grab/Composite	Time	QA/QC Samples	Laboratory Analysis
1-7	Composite	1615		Metals
7-12	Composite	1620		Metals

Well Location Sketch:

Soil Characterization:

Sample/Core Depth (Feet b/s)		Core Recovery (%)	PID Reading (ppm)	FID Reading	USCS Description/Depth		Sample/Core Description
From	To				From	To	
0.0	2.0	100	4.75	0.00			0-0.5' Asphalt
2.0	4.0	100	6.65	0.00			
4.0	6.0	20	6.0	1.20			0.5-1' Gravel, asphalt, fill, bricks
6.0	8.0	20	5.9	0.75			
8.0	10.0	75	8.75	0.68			1-7' Silty sand, medium to low plasticity, soft, dark yellowish brown
10.0	12.0	75	8.90	2.70			(10YR 3/6)
12.0	14.0	75	10.15	0.81			
14.0	16.0	75	11.5	3.99			7-12' Sand, medium to large pebble, poorly sorted, angular to sub-rounded
16.0	18.0	50	12.12	3.32			yellowish brown (10YR 5/4), dry
18.0	20.0	50	12.29	5.22			
							12-20' Sand and gravel, medium to very large pebble, poorly sorted,
							angular to rounded, yellowish brown (10YR 5/4), dry
							WT @ 16.5'
							20' EOB

Well Construction Details: SEE WELL CONSTRUCTION LOG

Surface Protection	Casing	Seal	Screen	Filter Pack
Type <u></u>	Diameter <u></u>	Type <u></u>	Type <u></u>	Material <u></u>
Total Depth <u></u>	Length <u></u>	Top Depth <u></u>	Diameter <u></u>	Top Depth <u></u>
			Slot Size <u></u>	
			Top Depth <u></u>	
	Material <u></u>	Bottom Depth <u></u>	Bottom Depth <u></u>	Bottom Depth <u></u>



SOIL CORE / SAMPLING LOG

Boring/Well	MW-1101	Project/No.	IMC/TN694.2011.2		
Site Location	Indianapolis, IN	Drilling Date/Time Started	5/17/11	Drilling Date/Time Completed	5/17/11
Drilling Contractor	Midway	Driller/License#	Mark Hicks		
Drilling Fluid Used	none	Drilling Method	Direct push / Hollow Stem Augers		
Length and Diameter of Coring Device	4 ft / 2 in	Sampling Interval	2 feet		
Land-Surface Elev.	-- 694.19 feet	☒ Surveyed ☐ Estimated	Datum		
Total Depth Drilled	26 Feet	Hole Diameter	2" / 8"	Coring Device	
Prepared By	Wesley Kuhn	Hammer Weight	NA	Hammer Drop	NA ins.
Boring Termination Depth	28'	Water	19'	GPS Coordinates	

Sampling Data: NA

Depth	Grab/Composite	Time	QA/QC Samples	Laboratory Analysis

Well Location Sketch:

Soil Characterization:

Sample/Core Depth (Feet b/s)		Core Recovery (%)	PID Reading (ppm)	FID Reading	USCS Description/Depth		Sample/Core Description
From	To				From	To	
0.0	2.0	100	0.86	6.15			0-0.7' Concrete pad
2.0	4.0	100	0.97	1.78			
4.0	6.0	5	0.39	2.63			0.7-2.5' Fill, gravels, very large pebble, bricks, sands, black (10YR 2/1)
6.0	8.0	5	--	--			and brown (10YR 4/3)
8.0	10.0	50	0.58	3.10			
10.0	12.0	50	0.75	3.41			2.5-12' Sand, medium grained to medium pebble, loose, poorly sorted,
12.0	14.0	50	0.81	4.20			brown (10YR 4/3)
14.0	16.0	50	0.68	3.24			4-8' poor recovery
16.0	18.0	75	0.60	4.58			8' color change yellowish brown (10YR 5/4)
18.0	20.0	75	0.57	8.15			
20.0	22.0	75	0.60	6.12			12-28' Sand and gravel, medium to large pebble, poorly sorted, loose,
22.0	24.0	75	0.63	12.10			yellowish brown (10YR 5/4), moist, angular to rounded
24.0	26.0	75	0.6	8.60			WT @ 19', color change to yellowish brown (10YR 5/8)
26.0	28.0	75	0.7	11.06			
							28.0' EOB

Well Construction Details: SEE WELL CONSTRUCTION LOG

Surface Protection		Casing		Seal		Screen		Filter Pack	
Type	Flush Mount	Diameter	2"	Type	Hydrated Bentonite Chips	Type	PVC	Material	#5 Sand
Total Depth	1'	Length	26'	Top Depth	1'	Diameter	2"	Top Depth	14'
		Material	PVC	Bottom Depth	14'	Slot Size	#10	Bottom Depth	26'
						Top Depth	16'		
						Bottom Depth	26'		



SOIL CORE / SAMPLING LOG

Boring/Well MW-1102 Project/No. IMC/IN694.2011.2Site Location Indianapolis, IN Drilling Date/Time Started 5/16/11 Drilling Date/Time Completed 5/16/11Drilling Contractor Midway Driller/License# Mark HicksDrilling Fluid Used none Drilling Method Direct push / Hollow Stem AugersLength and Diameter of Coring Device 4 ft / 2 in Sampling Interval 2 feetLand-Surface Elev. -- 684.06 feet ☒ Surveyed ☐ Estimated Datum Total Depth Drilled 18' Feet Hole Diameter 2" / 8" Coring Device Prepared By Wesley Kuhn Hammer Weight NA Hammer Drop NA ins.Boring Termination Depth 20' Water 11' GPS Coordinates

Sampling Data: NA

Depth	Grab/Composite	Time	QA/QC Samples	Laboratory Analysis
0.8-5.3'	Grab	1355		Metals
5.3-7'	Grab	1435		Metals

Well Location Sketch:

Soil Characterization:

Sample/Core Depth (Feet b/s)		Core Recovery (%)	PID Reading (ppm)	FID Reading	USCS Description/Depth		Sample/Core Description
From	To				From	To	
0.0	2.0	100	0.77	2.80			0-0.3' Asphalt
2.0	4.0	100	1.07	5.85			
4.0	6.0	100	0.45	3.00			0.3-0.8' Gravel, very large pebble
6.0	8.0	100	0.60	3.50			
8.0	10.0	75	1.00	6.15			0.8-5.3' Sand, very fine to fine, well sorted, loose, brown (10YR 4/3),
10.0	12.0	75	1.20	8.70			moist
12.0	14.0	50	1.24	8.00			
14.0	16.0	50	1.63	16.50			5.3-8.0' Silty sand, high plasticity, soft, dark brown (10YR 3/3)
16.0	18.0	100	2.00	16.50			7.7-8.0' graded to mostly silt and clay, color change to dark
18.0	20.0	100	2.18	15.20			greyish brown (10YR 4/2)
							8.0-20.0' Sand, medium grained to very large pebble, poorly sorted,
							loose, wet, coarsening to sand and gravel down section, yellowish brown
							(10YR 5/4), angular to sub-rounded
							WT @ 11'
							18.9' color change to brownish yellow (10YR 6/6)
							20.0' EOB

Well Construction Details: SEE WELL CONSTRUCTION LOG

Surface Protection		Casing		Seal		Screen		Filter Pack	
Type	<u>Flush Mount</u>	Diameter	<u>2"</u>	Type	<u>Hydrated Bentonite Chips</u>	Type	<u>PVC</u>	Material	<u>#5 Sand</u>
Total Depth	<u>1'</u>	Length	<u>18'</u>	Top Depth	<u>1'</u>	Diameter	<u>2"</u>	Top Depth	<u>6'</u>
		Material	<u>PVC</u>	Bottom Depth	<u>6'</u>	Slot Size	<u>#10</u>	Bottom Depth	<u>18'</u>
						Top Depth	<u>8'</u>		
						Bottom Depth	<u>18'</u>		



SOIL CORE / SAMPLING LOG

Boring/Well MW-1103 Project/No. IMC/IN694.2011.2Site Location Indianapolis, IN Drilling Date/Time Started 5/17/11 Drilling Date/Time Completed 5/17/11Drilling Contractor Midway Driller/License# Mark HicksDrilling Fluid Used none Drilling Method Direct push / Hollow Stem AugersLength and Diameter of Coring Device 4 ft / 2 in Sampling Interval 2 feetLand-Surface Elev. -- 686.19 feet ☒ Surveyed ☐ Estimated Datum Total Depth Drilled 22.5 Feet Hole Diameter 2" / 8" Coring Device Prepared By Wesley Kuhn Hammer Weight NA Hammer Drop NA ins.Boring Termination Depth 24' Water 15.5' GPS Coordinates

Sampling Data: NA

Depth	Grab/Composite	Time	QA/QC Samples	Laboratory Analysis
1.5-9.6'	C	915		Metals
9.6-10.6	C	920		Metals

Well Location Sketch:

Soil Characterization:

Sample/Core Depth (Feet b/s)		Core Recovery (%)	PID Reading (ppm)	FID Reading	USCS Description/Depth		Sample/Core Description
From	To				From	To	
0.0	2.0	100	0.55	3.50			0-0.5' Asphalt
2.0	4.0	100	0.20	2.10			
4.0	6.0	60	0.14	2.45			0.5-1.5' Fill, black ash, sand, gravel
6.0	8.0	60	0.17	2.30			
8.0	10.0	75	0.15	2.40			1.5-9.6' Silty sand, trace small pebbles, medium plasticity, soft, brown
10.0	12.0	75	0.27	3.40			(10YR 4/3)
12.0	14.0	50	0.28	2.90			
14.0	16.0	50	0.30	4.70			9.6-10.6' Sand, very fine to fine, well sorted, interbedded clays and silts,
16.0	18.0	50	0.27	6.20			brown (10YR 4.3)
18.0	20.0	50	0.31	7.96			
20.0	22.0	75	0.23	8.40			10.6-24.0' sand and gravel, medium to large pebble, poorly sorted
22.0	24.0	75	0.15	6.15			angular to rounded, yellowish brown (10YR 5/4)
							WT @ 15.5
							24' EOB

Well Construction Details: SEE WELL CONSTRUCTION LOG

Surface Protection		Casing		Seal		Screen		Filter Pack	
Type	<u>Flush Mount</u>	Diameter	<u>2"</u>	Type	<u>Hydrated Bentonite Chips</u>	Type	<u>PVC</u>	Material	<u>#5 Sand</u>
Total Depth	<u>1'</u>	Length	<u>22.5'</u>	Top Depth	<u>1'</u>	Diameter	<u>2"</u>	Top Depth	<u>10.5'</u>
		Material	<u>PVC</u>	Bottom Depth	<u>10.5'</u>	Slot Size	<u>#10</u>	Bottom Depth	<u>22.5'</u>
						Top Depth	<u>12.5'</u>		
						Bottom Depth	<u>22.5'</u>		



SOIL CORE / SAMPLING LOG

Boring/Well	MW-1104	Project/No.	IMC/IN694.2011.2		
Site Location	Indianapolis, IN	Drilling Date/Time Started	5/16/11	Drilling Date/Time Completed	6/2/11
Drilling Contractor	Midway	Driller/License#	Mark Hicks		
Drilling Fluid Used	none	Drilling Method	Direct push / Hollow Stem Augers		
Length and Diameter of Coring Device	4 ft / 2"	Sampling Interval	2 feet		
Land-Surface Elev.	-- 688.45 feet	☒ Surveyed	☐ Estimated	Datum	
Total Depth Drilled	23' Feet	Hole Diameter	2" / 8"	Coring Device	
Prepared By	Wesley Kuhn / Emily Gerke	Hammer Weight	NA	Hammer Drop	NA ins.
Boring Termination Depth	56	Water	16'	GPS Coordinates	

Sampling Data: NA

Depth	Grab/Composite	Time	QA/QC Samples	Laboratory Analysis

Well Location Sketch:

Soil Characterization:

Sample/Core Depth (Feet bls)		Core Recovery (%)	PID Reading (ppm)	FID Reading	USCS Description/Depth From - To	Sample/Core Description
From	To					
0.0	2.0	100	0.58	0.00		0-0.4' Asphalt
2.0	4.0	100	0.32	1.08		
4.0	6.0	100	0.50	0.19		0.4-4.5' Fill, black/brown gravel, sand, brick pieces
6.0	8.0	25	0.27	0.26		
8.0	10.0	50	0.38	0.52		4.5-12' Sand, fine to very fine, well sorted, dry, brown (10YR 5/3)
10.0	12.0	50	0.40	1.30		11.7-11.9 silty sand, trace clay, very soft, medium plasticity
12.0	14.0	50	0.6	1.60		brown (10YR 5/3), dry
14.0	16.0	50	0.74	2.72		
16.0	18.0	50	0.87	8.88		12-24' Sand and gravel: fine to large, pebble, poorly sorted, yellowish
18.0	20.0	50	0.76	10.50		brown (10YR 5/4), angular to sub rounded, loose, slight odor
20.0	22.0	50	0.30	2.02		WT @ 16'
22.0	24.0	50	0.36	4.70		Grading coarse to very large pebble, angular to rounded
24.0	26.0	100	595.0	2.5		
26.0	28.0	100	45.4	5.4		24'-48' Sand and gravel, fine-coarse sand and small granule to large
28.0	30.0	100	21.9	3.4		pebble. Poorly sorted, loose, wet. 10YR 3/4, sub-angular - sub-rounded
30.0	32.0	100	18.4	7.2		-25'-26' gravel and sand, subrounded
32.0	34.0	100	7.3	1.2		-35'-36' medium sand, sub-rounded, well sorted, loose, wet 10 YR 4/2
34.0	36.0	100	7.2	2.4		-38.5'-40.5' sand lens, fine sand with occasional pebbles
36.0	38.0	100	2.8	11.5		-36.5'-37.5' gravel and sand
38.0	40.0	100	2.3	14.8		-41' small lens of yellow/grey clay in occ. Gravel, odor, 10 YR 6/10
40.0	42.0	100	11.8	8.7		-46'-48' poor recovery, core tube compressed and did not retrieve sample

Well Construction Details: SEE WELL CONSTRUCTION LOG

Surface Protection	Casing	Seal	Screen	Filter Pack
Type	Diameter	Type	Type	Material
Total Depth	Length	Top Depth	Diameter	Top Depth
	Material	Bottom Depth	Slot Size	Bottom Depth
			Top Depth	
			Bottom Depth	



SOIL CORE / SAMPLING LOG

Boring/Well	MW-1104	Project/No.	IMC/IN694.2011.2		
Site Location	Indianapolis, IN	Drilling Date/Time Started	5/16/11	Drilling Date/Time Completed	6/2/11
Drilling Contractor	Midway	Driller/License#	Mark Hicks		
Drilling Fluid Used	none	Drilling Method	Direct push / Hollow Stem Augers		
Length and Diameter of Coring Device	4 ft / 2"	Sampling Interval	2 feet		
Land-Surface Elev.	-- 688.45 feet	☒ Surveyed ☐ Estimated	Datum		
Total Depth Drilled	23' Feet	Hole Diameter	2" / 8"	Coring Device	
Prepared By	Wesley Kuhn / Emily Gerke	Hammer Weight	NA	Hammer Drop	NA ins.
Boring Termination Depth	56	Water	16'	GPS Coordinates	

Sampling Data: NA

Depth	Grab/Composite	Time	QA/QC Samples	Laboratory Analysis

Well Location Sketch:

Soil Characterization:

Sample/Core Depth (Feet bls)		Core Recovery (%)	PID Reading (ppm)	FID Reading	USCS Description/Depth		Sample/Core Description
From	To				From	To	
42.0	44.0	100	10.0	8.8			
44.0	46.0	100	55.6	2.4			48'-52' fine / medium sand with / occasional pebbles, well sorted, wet,
46.0	48.0	--	--	--			10 YR 4/2
48.0	50.0	100	20.2	10.7			-51.5'-laminations (darker grey)
50.0	52.0	100	29.7	17.5			-52' 1.5" of moist silty clay in cutting shoe, occasional pebbles, friable
52.0	54.0	75	190.0	0.09			
54.0	56.0	75	49.5	3.5			52'-53.5' Silty clay with occasional pebble/gravel, rounded, grey,
							10 YR 4/1, friable, poorly sorted grading into fine sand.
							53.5'-54.5' gravel and rock fragments, angular to rounded, mudstone and limestone included
							54.5' 2" clay/silt as in 52'-53.5' interval
							54.5'-56' sand and gravel, subrounded to subangular, poorly sorted, wet, loose
							EOB 56'
							It should be noted that the monitoring well was installed on 5/16/11. To further assess the geology at the Site a deep boring was advanced 5' from the MW-1104 monitoring well on 6/2/11

Well Construction Details: SEE WELL CONSTRUCTION LOG

Surface Protection		Casing		Seal		Screen		Filter Pack	
Type	Flush Mount	Diameter	2"	Type	Hydrated Bentonite Chips	Type	PVC	Material	#5 Sand
Total Depth	1'	Length	23'	Top Depth	1'	Diameter	2"	Top Depth	11'
		Material	PVC	Bottom Depth	11'	Slot Size	#10	Bottom Depth	23'
						Top Depth	13'		
						Bottom Depth	23'		



SOIL CORE / SAMPLING LOG

Boring/Well	MW-1105	Project/No.	IMC/IN694.2011.2		
Site Location	Indianapolis, IN	Drilling Date/Time Started	5/16/11	Drilling Date/Time Completed	5/16/11
Drilling Contractor	Midway	Driller/License#	Mark Hicks		
Drilling Fluid Used	none	Drilling Method	Direct push / Hollow Stem Augers		
Length and Diameter of Coring Device	4 ft / 2 in	Sampling Interval	2 feet		
Land-Surface Elev.	-- 686.94 feet	☒ Surveyed ☐ Estimated	Datum		
Total Depth Drilled	23 Feet	Hole Diameter	2" / 8"	Coring Device	
Prepared By	Wesley Kuhn	Hammer Weight	NA	Hammer Drop	NA ins.
Boring Termination Depth	24'	Water	16'	GPS Coordinates	

Sampling Data: NA

Depth	Grab/Composite	Time	QA/QC Samples	Laboratory Analysis

Well Location Sketch:

Soil Characterization:

Sample/Core Depth (Feet bls)		Core Recovery (%)	PID Reading (ppm)	FID Reading	USCS Description/Depth		Sample/Core Description
From	To				From	To	
0.0	2.0	100	0.63	2.80			0.0-0.3' Gravel
2.0	4.0	100	0.40	0.50			
4.0	6.0	50	0.83	2.70			0.3-4.5' Fill, black ash (coal), fine sands, slag
6.0	8.0	50	1.30	3.30			
8.0	10.0	60	4.00	1.50			4.5-6.5' Sand, very fine to fine, well sorted, yellowish brown (10YR 5/6)
10.0	12.0	60	1.00	5.75			
12.0	14.0	40	0.95	7.15			6.5-8.0' Sandy silty clay, high plasticity, soft, very dark greyish brown
14.0	16.0	40	1.02	12.00			(10YR 3/2)
16.0	18.0	50	0.66	7.04			
18.0	20.0	50	0.82	13.15			8-10.8' Sand, very fine to fine, well sorted, medium dense, yellowish
20.0	22.0	50	0.93	12.00			brown (10YR 5/4)
22.0	24.0	50	0.75	10.75			
							10.8-24.0' Sand and gravel, medium to very large pebble, poorly sorted,
							loose, angular to rounded, yellowish brown (10YR 5/6)
							WT @ 16'
							24' EOB

Well Construction Details: SEE WELL CONSTRUCTION LOG

Surface Protection		Casing		Seal		Screen		Filter Pack	
Type	Flush Mount	Diameter	2"	Type	Hydrated Bentonite Chips	Type	PVC	Material	#5 Sand
Total Depth	1'	Length	23'	Top Depth	1'	Diameter	2"	Top Depth	11'
		Material	PVC	Bottom Depth	11'	Slot Size	#10	Bottom Depth	23'
						Top Depth	13'		
						Bottom Depth	23'		



SOIL CORE / SAMPLING LOG

Boring/Well MW-1106 Project/No. IMC/IN694.2011.2Site Location Indianapolis, IN Drilling Date/Time Started 5/19/11 Drilling Date/Time Completed 5/19/11Drilling Contractor Midway Driller/License# Mark HicksDrilling Fluid Used none Drilling Method Direct push / Hollow Stem AugersLength and Diameter of Coring Device 4 ft / 2 in Sampling Interval 2 feetLand-Surface Elev. -- 694.68 feet ☒ Surveyed ☐ Estimated Datum Total Depth Drilled 24 Feet Hole Diameter 2" / 8" Coring Device Prepared By Wesley Kuhn Hammer Weight NA Hammer Drop NA ins.Boring Termination Depth 24' Water 17' GPS Coordinates

Sampling Data: NA

Depth	Grab/Composite	Time	QA/QC Samples	Laboratory Analysis

Well Location Sketch:

Soil Characterization:

Sample/Core Depth (Feet b/s)		Core Recovery (%)	PID Reading (ppm)	FID Reading	USCS Description/Depth		Sample/Core Description
From	To				From	To	
0.0	2.0	100	5.30	1.02			0-3.5' Gravel, very large pebble, grading to sand and gravel
2.0	4.0	100	6.04	0.86			
4.0	6.0	0	--	--			3.5'-11.5' Poor recovery (5-8' no recovery)
6.0	8.0	0	--	--			
8.0	10.0	50	2.75	0.37			8-11.5' Silty sand, low to medium plasticity, soft, dark greyish brown
10.0	12.0	50	2.66	0.40			(10YR 4/2)
12.0	14.0	75	2.81	0.92			
14.0	16.0	75	2.75	1.09			11.5-12' Sand, very fine to fine grained, well sorted, brown (10YR 4/3)
16.0	18.0	75	3.29	0.50			grading to medium to coarse grained
18.0	20.0	75	3.50	0.14			
20.0	22.0	75	2.45	2.61			12-16' Sand and gravel, medium to large pebble, poorly sorted, yellowish
22.0	24.0	75	2.50	4.85			brown (10YR 5/4), moist
							16-22' Sand, medium to loose grained, poorly sorted, trace gravels,
							rounded, dark brown (10YR 3/3), wet
							WT @ 17'
--	poor recovery						
							22-24' Sand and gravel, medium to large pebble, poorly sorted, angular
							to rounded, yellowish brown (10YR 5/4)
							EOB @ 24'

Well Construction Details: SEE WELL CONSTRUCTION LOG

Surface Protection		Casing		Seal		Screen		Filter Pack	
Type	Flush Mount	Diameter	2"	Type	<u>Hydrated Bentonite Chips</u>	Type	PVC	Material	#5 Sand
Total Depth	1'	Length	24'	Top Depth	1'	Diameter	2"	Top Depth	12'
						Slot Size	#10		
						Top Depth	14'		
		Material	PVC	Bottom Depth	12'	Bottom Depth	24'	Bottom Depth	24'

SOIL CORE / SAMPLING LOG

Boring/Well	MW-1107	Project/No.	IMC/IN694.2011.2
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Site Location	Indianapolis, IN	Drilling Date/Time Started	5/19/11	Drilling Date/Time Completed	5/19/11
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Drilling Contractor	Midway	Driller/License#	Mark Hicks
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Drilling Fluid Used	none	Drilling Method	Direct push / Hollow Stem Augers
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Length and Diameter of Coring Device 4 ft / 2 in Sampling Interval 2 feet

Land-Surface Elev. 690.38 feet ☒ Surveyed ☐ Estimated Datum _____

Total Depth Drilled 23 Feet Hole Diameter 2"/8" Coring Device _____

Prepared		Hammer		Hammer
By	Wesley Kuhn	Weight	NA	Drop
				NA
				ins.

Boring Termination Depth 24' Water 16' GPS Coordinates

Sampling Data: NA

Depth	Grab/Composite	Time	QA/QC Samples	Laboratory Analysis
8-10'	Grab	1455		VOCs, cPAH
10-12'	Grab	1500		VOCs, cPAH

Well Location Sketch:

Soil Characterization:

[illegible]

Well Construction Details: SEE WELL CONSTRUCTION LOG

Surface Protection		Casing		Seal		Screen		Filter Pack	
Type	Flush Mount	Diameter	2"	Type	<u>Hydrated</u> <u>Bentonite Chips</u>	Type	PVC	Material	#5 Sand
Total Depth	1'	Length	23'	Top Depth	1'	Diameter	2"	Top Depth	11'
						Slot Size	#10		
						Top Depth	13'		
		Material	PVC	Bottom Depth	11'	Bottom Depth	23'	Bottom Depth	23'

SOIL CORE / SAMPLING LOG

Boring/Well	MW-1108	Project/No.	IMC/IN694.2011.2
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Site Location	Indianapolis, IN	Drilling Date/Time Started	5/19/11	Drilling Date/Time Completed	5/19/11
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Drilling Contractor	Midway	Driller/License#	Mark Hicks
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Drilling Fluid Used	none	Drilling Method	Direct push / Hollow Stem Augers
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Length and Diameter of Coring Device 4 ft / 2 in Sampling Interval 2 feet

Land-Surface Elev. -- 684.7 feet ☒ Surveyed ☐ Estimated Datum

Total Depth Drilled 18 Feet Hole Diameter 2"/8" Coring Device _____

Prepared		Hammer		Hammer
By	Wesley Kuhn	Weight	NA	Drop
				NA
				ins.

Boring Termination Depth	20'	Water	11'	GPS Coordinates	
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Sampling Data: NA

Depth	Grab/Composite	Time	QA/QC Samples	Laboratory Analysis
1.5-2'	Grab	1635	MS/MSD	VOCs, SVOCs, PCBs, Metals
4'-6'	Grab	1730		VOCs, SVOCs, PCBs, Metals

Well Location Sketch:

Soil Characterization:

[illegible]

Well Construction Details: SEE WELL CONSTRUCTION LOG

Surface Protection		Casing		Seal		Screen		Filter Pack	
Type	Flush Mount	Diameter	2"	Type	<u>Hydrated</u> <u>Bentonite Chips</u>	Type	PVC	Material	#5 Sand
Total Depth	1'	Length	18'	Top Depth	1'	Diameter	2"	Top Depth	6'
						Slot Size	#10		
						Top Depth	8'		
		Material	PVC	Bottom Depth	6'	Bottom Depth	18'	Bottom Depth	18'

SOIL CORE / SAMPLING LOG

Boring/Well	MW-1109	Project/No.	IMC/IN694.2011.2
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Site Location	Indianapolis, IN	Drilling Date/Time Started	5/16/11	Drilling Date/Time Completed	5/16/11
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Drilling Contractor	Midway	Driller/License#	Mark Hicks
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Drilling Fluid Used	none	Drilling Method	Direct push / Hollow Stem Augers
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Length and Diameter of Coring Device 4 ft / 2 in Sampling Interval 2 feet

Land-Surface Elev. 685.29 feet ☒ Surveyed ☐ Estimated Datum _____

Total Depth Drilled 21' Feet Hole Diameter 2" / 8" Coring Device _____

Prepared		Hammer		Hammer	
By	Wesley Kuhn	Weight	NA	Drop	NA ins.

Boring Termination Depth	20 ft	Water	14'	GPS Coordinates	
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Sampling Data: NA

Depth	Grab/Composite	Time	QA/QC Samples	Laboratory Analysis

Well Location Sketch:

Soil Characterization:

[illegible]

Well Construction Details: SEE WELL CONSTRUCTION LOG

Surface Protection		Casing		Seal		Screen		Filter Pack	
Type	Flush Mount	Diameter	2"	Type	<u>Hydrated</u> <u>Bentonite Chips</u>	Type	PVC	Material	#5 Sand
Total Depth	1'	Length	21'	Top Depth	1'	Diameter	2"	Top Depth	9'
						Slot Size	#10		
						Top Depth	11'		
		Material	PVC	Bottom Depth	9'	Bottom Depth	21'	Bottom Depth	21'



SOIL CORE / SAMPLING LOG

Boring/Well MW-1110 Project/No. IMC/TN694.2011.2

Site Location Indianapolis, IN Drilling Date/Time Started 5/20/11 Drilling Date/Time Completed 5/20/11

Drilling Contractor Midway Driller/License# Mark Hicks

Drilling Fluid Used none Drilling Method Direct push / Hollow Stem Augers

Length and Diameter of Coring Device 4 ft / 2 in Sampling Interval 2 feet

Land-Surface Elev. -- 684.64 feet ☒ Surveyed ☐ Estimated Datum

Total Depth Drilled 20 Feet Hole Diameter 2" / 8" Coring Device

Prepared By Wesley Kuhn Hammer Weight NA Hammer Drop NA ins.

Boring Termination Depth 20' Water 12' GPS Coordinates

Sampling Data: NA

Depth	Grab/Composite	Time	QA/QC Samples	Laboratory Analysis

Well Location Sketch:

Soil Characterization:

Sample/Core Depth (Feet b/s)		Core Recovery (%)	PID Reading (ppm)	FID Reading	USCS Description/Depth		Sample/Core Description
From	To				From	To	
0.0	2.0	100	26.30	1.13			0-0.7' Concrete pad
2.0	4.0	100	125.00	0.30			
4.0	6.0	75	173.00	0.25			0.7-1.5' Gravel, small cobbles to medium pebbles
6.0	8.0	75	70.00	0.43			
8.0	10.0	75	95.00	1.40			1.5-4' Fill, sand and gravel, medium grained to very large pebble, loose,
10.0	12.0	75	72.00	1.30			poorly sorted, very dark greyish brown (10YR 3/2)
12.0	14.0	75	39.21	3.80			
14.0	16.0	75	43.00	2.31			4-7.7' Silty sand, trace clay, low to medium plasticity, dark greyish brown
16.0	18.0	75	36.00	24.36			(10YR 4/2)
18.0	20.0	75	64.34	34.60			
							7.7-8.5' Sand lens, very fine to fine, well sorted, brown (10YR 4/3)
							8.5-16' Sand and gravel, medium grained to large pebble, loose, poorly
							sorted, yellowish brown (10YR 5/4), moist
							WT @ 12'
							16-20' Sand, very fine to medium grained, poorly sorted, trace large
							pebbles, angular to rounded, dark greyish brown (10YR 4/2), wet
							20' EOB

Well Construction Details: SEE WELL CONSTRUCTION LOG

Surface Protection		Casing		Seal		Screen		Filter Pack	
Type	<u>Flush Mount</u>	Diameter	<u>2"</u>	Type	<u>Hydrated Bentonite Chips</u>	Type	<u>PVC</u>	Material	<u>#5 Sand</u>
Total Depth	<u>1'</u>	Length	<u>20'</u>	Top Depth	<u>1'</u>	Diameter	<u>2"</u>	Top Depth	<u>8'</u>
		Material	<u>PVC</u>	Bottom Depth	<u>8'</u>	Slot Size	<u>#10</u>	Bottom Depth	<u>20'</u>
						Top Depth	<u>10'</u>		
						Bottom Depth	<u>20'</u>		



SOIL CORE / SAMPLING LOG

Boring/Well MW-1111 Project/No. IMC/TN694.2011.2Site Location Indianapolis, IN Drilling Date/Time Started 5/20/11 Drilling Date/Time Completed 5/20/11Drilling Contractor Midway Driller/License# Mark HicksDrilling Fluid Used none Drilling Method Direct push / Hollow Stem AugersLength and Diameter of Coring Device 4 ft / 2 in Sampling Interval 2 feetLand-Surface Elev. -- 685.15 feet ☒ Surveyed ☐ Estimated Datum Total Depth Drilled 18' Feet Hole Diameter 2" / 8" Coring Device Prepared By Wesley Kuhn Hammer Weight NA Hammer Drop NA ins.Boring Termination Depth 20' Water 11' GPS Coordinates

Sampling Data: NA

Depth	Grab/Composite	Time	QA/QC Samples	Laboratory Analysis
0-2'	Grab	1145		VOC
6-7'	Grab	1150		VOC

Well Location Sketch:

Soil Characterization:

Sample/Core Depth (Feet b/s)		Core Recovery (%)	PID Reading (ppm)	FID Reading	USCS Description/Depth		Sample/Core Description
From	To				From	To	
0.0	2.0	100	495.00	2.07			0-0.4' Asphalt
2.0	4.0	100	80.00	0.64			
4.0	6.0	50	115.00	1.60			0.4-5.0' Fill, topsoil, sand and gravel, black, brown loose
6.0	8.0	50	86.50	0.87			
8.0	10.0	40	14.61	1.44			5-11.0' Silty sand, trace clay, medium to high plasticity, soft, mottled color
10.0	12.0	40	35.00	0.12			very dark greyish brown (10YR 3/2), dark yellowish brown
12.0	14.0	15	25.00	0.19			streaks, moist
14.0	16.0	15	--	--			10.8-11' sand lens, very fine to fine, well sorted, dark greyish
16.0	18.0	5	22.15	1.36			brown (10YR 4/2), wet
18.0	20.0	5	--	--			WT @ 11'
							11' stain, black (10YR 2/1)
							11-20' Sand and gravel, medium to large pebble, poorly sorted, loose,
							yellowish brown (10YR 5/4), angular to rounded, wet
							poor recovery 12-20'
							20' EOB

Well Construction Details: SEE WELL CONSTRUCTION LOG

Surface Protection		Casing		Seal		Screen		Filter Pack	
Type	<u>Flush Mount</u>	Diameter	<u>2"</u>	Type	<u>Hydrated Bentonite Chips</u>	Type	<u>PVC</u>	Material	<u>#5 Sand</u>
Total Depth	<u>1'</u>	Length	<u>18'</u>	Top Depth	<u>1'</u>	Diameter	<u>2"</u>	Top Depth	<u>6'</u>
		Material	<u>PVC</u>	Bottom Depth	<u>6'</u>	Slot Size	<u>#10</u>	Bottom Depth	<u>18'</u>
						Top Depth	<u>8'</u>		
						Bottom Depth	<u>18'</u>		



SOIL CORE / SAMPLING LOG

Boring/Well MW-1112 Project/No. IMC/IN694.2011.2

Site Location Indianapolis, IN Drilling Date/Time Started 5/17/11 Drilling Date/Time Completed 5/17/11

Drilling Contractor Midway Driller/License# Mark Hicks

Drilling Fluid Used none Drilling Method Direct push / Hollow Stem Augers

Length and Diameter of Coring Device 4 ft / 2 in Sampling Interval 2 feet

Land-Surface Elev. -- 689.3 feet ☒ Surveyed ☐ Estimated Datum

Total Depth Drilled 22.5 Feet Hole Diameter 2" / 8" Coring Device

Prepared By Wesley Kuhn Hammer Weight NA Hammer Drop NA ins.

Boring Termination Depth 24 Water 15.5' GPS Coordinates

Sampling Data: NA

Depth	Grab/Composite	Time	QA/QC Samples	Laboratory Analysis
0.7-1.2'	Grab	1030		VOC, SVOC, PCB, Metals
2-4	Grab	1040	FD-1 (051711)-WK	VOC, SVOC, PCB, Metals
8-10	Grab	1045		VOC, SVOC, PCB, Metals
	Grab	1100	EB-1 (051711)-WK	VOC, SVOC, PCB, Metals

Well Location Sketch:

Soil Characterization:

Sample/Core Depth (Feet bls)		Core Recovery (%)	PID Reading (ppm)	FID Reading	USCS Description/Depth		Sample/Core Description
From	To				From	To	
0.0	2.0	100	0.13	1.50			0-0.7' Concrete pad
2.0	4.0	100	0.18	121			
4.0	6.0	80	0.15	8.85			0.7-3.5' Fill, sand, very fine to fine grained, trace large pebble, slight odor
6.0	8.0	80	0.16	1.65			(10YR 4/3)
8.0	10.0	50	0.26	3.22			Color change to black (10YR 2/1), slight odor
10.0	12.0	50	0.25	2.93			
12.0	14.0	75	0.23	2.62			3.5-5.8' Silty sand, trace clay, med. Plasticity, soft, brown (10YR 4/3)
14.0	16.0	75	0.27	5.54			
16.0	18.0	75	0.25	8.30			5.8- 15.0' Sand, very fine to fine grained, well sorted, brown (10YR 4/3)
18.0	20.0	75	0.40	14.40			8.5 color change, light yellowish brown (10YR 6/4)
20.0	22.0	25	--	--	poor recovery		
22.0	24.0	25	0.12	3.12			15-24.0' Sand and gravel, medium to large pebble, poorly sorted, angular
							to sub-rounded, loose, light yellowish brown (10YR 6/4)
							WT @ 15.5
							24.0' EOB

Well Construction Details: SEE WELL CONSTRUCTION LOG

Surface Protection		Casing		Seal		Screen		Filter Pack	
Type	Flush Mount	Diameter	2"	Type	Hydrated Bentonite Chips	Type	PVC	Material	#5 Sand
Total Depth	1'	Length	22.5'	Top Depth	1'	Diameter	2"	Top Depth	10.5'
		Material	PVC	Bottom Depth	10.5'	Slot Size	#10		
						Top Depth	12.5'		
				Bottom Depth	22.5'	Bottom Depth	22.5'	Bottom Depth	22.5'



SOIL CORE / SAMPLING LOG

Boring/Well MW-1113 Project/No. IMC/IN694.2011.2Site Location Indianapolis, IN Drilling Date/Time Started 9/7/11 Drilling Date/Time Completed 9/7/11Drilling Contractor Midway Driller/License# Mark HicksDrilling Fluid Used none Drilling Method Direct push / Hollow Stem AugersLength and Diameter of Coring Device 4 ft / 2 in Sampling Interval 2 feetLand-Surface Elev. -- 686.24 feet ☒ Surveyed ☐ Estimated Datum Total Depth Drilled 22' Feet Hole Diameter 2" / 8" Coring Device Prepared By Wesley Kuhn Hammer Weight NA Hammer Drop NA ins.Boring Termination Depth 20' Water 15' GPS Coordinates

Sampling Data: NA

Depth	Grab/Composite	Time	QA/QC Samples	Laboratory Analysis

Well Location Sketch:

Soil Characterization:

Sample/Core Depth (Feet bbs)		Core Recovery (%)	PID Reading (ppm)	Blow Counts per 6 Inches	USCS Description/Depth		Sample/Core Description
From	To				From	To	
0.0	2.0	100	0.4		0-0.6'		Gravel
2.0	4.0	100	0.4				
4.0	6.0	50	0.5		0.6'-1.2'		Fill, top soil, brick pieces, and gravel
6.0	8.0	50	0.7				
8.0	10.0	50	1.0		1.2'-3.5'		Sand, some silt, well sorted, non-plastic, moist
10.0	12.0	50	1.2				Dark Yellowish Brown (10YR 4/4), fine to very fine grain
12.0	14.0	50	0.2				
14.0	16.0	50	0.8		3.5'-6.3'		Sand, trace silt, well sorted, non-plastic, fine to very fine grained
16.0	18.0	NR	NR				moist, Yellowish Brown (10YR 5/4)
18.0	20.0	NR	NR				
					6.3'-7.4'		Silt and Sand, well sorted, non to low plasticity, very fine to fine grained, moist,
							very soft, Dark Yellowish Brown (10YR 4/4)
					7.4'-16'		Sand, some gravel, poorly sorted, medium grained to large pebble, moist
							rounded to angular, Yellowish Brown (10YR 5/4)
							- 15.8' slightly wet, possible water table
							NO RECOVERY 16'-20'
							Water at ~15', 1' of water on rods when plug was popped at 16', Rock
							plugged up run.
							Double checked with rods, water at ~15'

Well Construction Details: SEE WELL CONSTRUCTION LOG

Surface Protection		Casing		Seal		Screen		Filter Pack	
Type	Flush Mount	Diameter	2"	Type	Bentonite	Type	PVC	Material	#5 Sand
Total Depth	1'	Length	22'	Top Depth	1'	Diameter	2"	Top Depth	10'
						Slot Size	#10		
						Top Depth	12'		
		Material	PVC	Bottom Depth	10'	Bottom Depth	22'	Bottom Depth	22'



SOIL CORE / SAMPLING LOG

Boring/Well MW-1114 Project/No. IMC/IN694.2011.2Site Location Indianapolis, IN Drilling Date/Time Started 9/7/11 Drilling Date/Time Completed 9/7/11Drilling Contractor Midway Driller/License# Mark HicksDrilling Fluid Used none Drilling Method Direct push / Hollow Stem AugersLength and Diameter of Coring Device 4 ft / 2 in Sampling Interval 2 feetLand-Surface Elev. -- 683.59 feet ☒ Surveyed ☐ Estimated Datum _____Total Depth Drilled 21 Feet Hole Diameter 2" / 8" Coring Device _____Prepared By Wesley Kuhn Hammer Weight NA Hammer Drop NA ins.Boring Termination Depth 16' Water 14' GPS Coordinates _____

Sampling Data: NA

Depth	Grab/Composite	Time	QA/QC Samples	Laboratory Analysis

Well Location Sketch:

Soil Characterization:

Sample/Core Depth (Feet bls)		Core Recovery (%)	PID Reading (ppm)	Blow Counts per 6 Inches	USCS Description/Depth		Sample/Core Description
From	To				From	To	
0.0	2.0	100	0.0		0-0.4'		Ashphalt Pad
2.0	4.0	100	0.0				
4.0	6.0	60	0.0		0.4'-1.2'		Fill: sand and gravel, medium grained to small cobble, asphalt pieces
6.0	8.0	60	0.0				
8.0	10.0	50	0.7		1.2'-4.0'		Sand, well sorted, fine to medium grained, moist shell fragments, trace pebble,
10.0	12.0	50	0.8				Yellowish Brown (10 YR 5/4)
12.0	14.0	75	0.0				
14.0	16.0	75	0.4		4.0'-6.2'		Silt, some sand, non- to low plasticity, very soft to soft, trace clay, moist, dark
							Yellowish Brown (10YR 4/4), tacky
					6.2'-16.0'		Sand, some gravel, poorly sorted, medium to large pebble, angular to rounded,
							moist, Yellowish Brown (10YR 5/4)
							- 14.0' wet water table, color change Dark Yellowish Brown (10 YR3/6)
							Set screen: 11' - 21'
							16' end of bore

Well Construction Details: SEE WELL CONSTRUCTION LOG

Surface Protection		Casing		Seal		Screen		Filter Pack	
Type	Flush Mount	Diameter	2"	Type	Bentonite	Type	PVC	Material	#5 Sand
Total Depth	1'	Length	21'	Top Depth	1'	Diameter	2"	Top Depth	9'
		Material	PVC	Bottom Depth	9'	Slot Size	#10		
						Top Depth	11'		
						Bottom Depth	21'	Bottom Depth	21'



SOIL CORE / SAMPLING LOG

Boring/Well MW-1115 Project/No. IMC/IN694.2011.2Site Location Indianapolis, IN Drilling Date/Time Started 9/7/11 Drilling Date/Time Completed 9/7/11Drilling Contractor Midway Driller/License# Mark HicksDrilling Fluid Used none Drilling Method Direct push / Hollow Stem AugersLength and Diameter of Coring Device 4 ft / 2 in Sampling Interval 2 feetLand-Surface Elev. -- 684.36 feet ☒ Surveyed ☐ Estimated Datum _____Total Depth Drilled 19' Feet Hole Diameter 2" / 8" Coring Device _____Prepared By Wesley Kuhn Hammer Weight NA Hammer Drop NA ins.Boring Termination Depth 16' Water 12' GPS Coordinates _____

Sampling Data: NA

Depth	Grab/Composite	Time	QA/QC Samples	Laboratory Analysis

Well Location Sketch:

Soil Characterization:

Sample/Core Depth (Feet bls)		Core Recovery (%)	PID Reading (ppm)	Blow Counts per 6 Inches	USCS Description/Depth		Sample/Core Description
From	To				From	To	
0.0	2.0	100	0.1		0-0.3'		Ashphalt Pad
2.0	4.0	100	0.0				
4.0	6.0	60	0.0		0.3'-2.0'		Fill: sand and gravel, medium to small cobble, asphalt pieces
6.0	8.0	60	0.0				
8.0	10.0	75	0.7		2.0'-7.4'		Silt, some sand, trace clay, well sorted, low to non-plastic, soft to very soft
10.0	12.0	75	2.1				Dark Yellowish Brown (10 YR 4/4), moist, 6.5' - modeled color
12.0	14.0	20	0.6				
14.0	16.0	20	1.1		7.4'-16.0'		Sand, some gravel, medium to large pebble, poorly sorted, moist, rounded to angular, Yellowish Brown (10YR 5/4)
							12' water table
							Poor recovery 12'-16'
							Set screen: 9' - 19'

Well Construction Details: SEE WELL CONSTRUCTION LOG

Surface Protection		Casing		Seal		Screen		Filter Pack	
Type	Flush Mount	Diameter	2"	Type	Bentonite	Type	PVC	Material	#5 Sand
Total Depth	1'	Length	19'	Top Depth	1'	Diameter	2"	Top Depth	7'
						Slot Size	#10		
		Material	PVC	Bottom Depth	7'	Top Depth	9'	Bottom Depth	19'



SOIL CORE / SAMPLING LOG

Boring/Well MW-1116 Project/No. IMC/IN694.2011.2

Site Location Indianapolis, IN Drilling Date/Time Started 9/8/11 Drilling Date/Time Completed 9/8/11

Drilling Contractor Midway Driller/License# Mark Hicks

Drilling Fluid Used none Drilling Method Direct push / Hollow Stem Augers

Length and Diameter of Coring Device 4 ft / 2 in Sampling Interval 2 feet

Land-Surface Elev. — 689.37 feet ☒ Surveyed ☐ Estimated Datum

Total Depth Drilled 26' Feet Hole Diameter 2" / 8" Coring Device

Prepared By Wesley Kuhn Hammer Weight NA Hammer Drop NA ins.

Boring Termination Depth 20' Water 19' GPS Coordinates

Sampling Data: NA

Depth	Grab/Composite	Time	QA/QC Samples	Laboratory Analysis

Well Location Sketch:

Soil Characterization:

Sample/Core Depth (Feet bls) From To		Core Recovery (%)	PID Reading (ppm)	Blow Counts per 6 Inches	USCS Description/Depth From - To	Sample/Core Description
0.0	2.0	100	0.0		0-0.75'	Concrete Pad
2.0	4.0	100	6.7			
4.0	6.0	100	0.2		0.75'-5.5'	Fill: Silt and sand, well sorted, loose, non-plastic, dry, Dark Brown (10 YR 3/3)
6.0	8.0	100	0.0			Topsoil
8.0	10.0	100	0.0			2' Color change Black (10 YR 2/1)
10.0	12.0	100	0.0			3' Dark Gray (10YR 3/1), Increasing sand content
12.0	14.0	100	0.0			3.5' Black (10 YR 2/1) Fill: Wood, Slag, Cinders, Concrete Pad
14.0	16.0	100	0.4			(obstruction)
16.0	18.0	25	0.8			
18.0	20.0	25	1.1		5.5'-13.7'	Silt, some sand, non-plastic, loose, dry, Dark Yellowish Brown (10 YR 3/6)
						10.7' Some clay, low plasticity to medium, moist, modeled color
						11.8' Increasing sand content
					13.7'-14.7'	Sand, trace silt, well sorted, very fine to fine grained, moist, Yellowish Brown (10 YR 5/4)
					14.7'-20.0'	Sand, some gravel, medium grained to large pebble, poorly sorted, angular to rounded, moist, Yellowish Brown (10 YR 5/4)
						19' - Wet, water table
						Set screen: 16' - 26'

Well Construction Details: SEE WELL CONSTRUCTION LOG

Surface Protection		Casing		Seal		Screen		Filter Pack	
Type	Flush Mount	Diameter	2"	Type	Bentonite	Type	PVC	Material	#5 Sand
Total Depth		Length	26'	Top Depth	1'	Diameter	2"	Top Depth	14'
						Slot Size	#10		
						Top Depth	16'		
		Material	PVC	Bottom Depth	14'	Bottom Depth	26'	Bottom Depth	26'



SOIL CORE / SAMPLING LOG

Boring/Well MW-1117 Project/No. IMC/IN694.2011.2

Site Location Indianapolis, IN Drilling Date/Time Started 9/8/11 Drilling Date/Time Completed 9/8/11

Drilling Contractor Midway Driller/License# Mark Hicks

Drilling Fluid Used none Drilling Method Direct push / Hollow Stem Augers

Length and Diameter of Coring Device 4 ft / 2 in Sampling Interval 2 feet

Land-Surface Elev. — 688.9 feet ☒ Surveyed ☐ Estimated Datum

Total Depth Drilled 26' Feet Hole Diameter 2" / 8" Coring Device

Prepared By Wesley Kuhn Hammer Weight NA Hammer Drop NA ins.

Boring Termination Depth 20' Water 19' GPS Coordinates

Sampling Data: NA

Depth	Grab/Composite	Time	QA/QC Samples	Laboratory Analysis

Well Location Sketch:

Soil Characterization:

Sample/Core Depth (Feet bls)		Core Recovery (%)	PID Reading (ppm)	Blow Counts per 6 Inches	USCS Description/Depth		Sample/Core Description
From	To				From	To	
0.0	2.0	100	0.0		0-1.0'		Concrete
2.0	4.0	100	0.0				
4.0	6.0	30	0.0		1.0'-7.0'		Dark Yellowish Brown (10 YR 3/3) silty sand, dry, loose, few isolated medium, clay inclusions.
6.0	8.0	30	0.4				1.8' Color change to Yellowish Brown (10 YR 5/4)
8.0	10.0	75	0.0				
10.0	12.0	75	0.0				
12.0	14.0	75	0.7		7.0'-10.7'		Sand, some silt, no-plastic, very fine to fine grained, dry, loose, Dark Yellowish Brown (10 YR 3/4)
14.0	16.0	75	1.1				
16.0	18.0	15	0.8				
18.0	20.0	15	1.9		10.7'-11.8'		Clay and silt, medium to high plasticity, soft to very soft, moist, tacky, Dark Brown (10 YR 3/3)
					11.8'-16.0'		Sand, trace silt, trace gravel, well sorted, moist, Yellowish Brown (10 YR 5/4)
							Fine to very fine grained
							Poor recovery 16'-20'
					16.0'-20.0'		Sand, some gravel, poorly sorted, medium grained to large pebble, rounded to sub-rounded, moist, Yellowish Brown (10 YR 5/4)
							19' - Wet, water table
							20' - End of bore
							Set screen: 16' - 26'

Well Construction Details: SEE WELL CONSTRUCTION LOG

Surface Protection		Casing		Seal		Screen		Filter Pack				
Type	Flush Mount	Diameter	2"	Type	Bentonite	Type	PVC	Material	#5 Sand			
Total Depth	1'	Length	26'	Top Depth	1'	Diameter	2"	Top Depth	14'			
						Slot Size	#10					
						Top Depth	16'					
		Material	PVC	Bottom Depth		Bottom Depth	26'	Bottom Depth				
								26'				

SOIL CORE / SAMPLING LOG

Boring/Well	MW-1118	Project/No.	IMC/IN694.2011.2
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Site Location	Indianapolis, IN	Drilling Date/Time Started	9/8/11	Drilling Date/Time Completed	9/8/11
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Drilling Contractor Midway Driller/License# Mark Hicks

Drilling Fluid Used	none	Drilling Method	Direct push / Hollow Stem Augers
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Length and Diameter of Coring Device	4 ft / 2 in	Sampling Interval 2	feet
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Land-Surface Elev. -- 684.85 feet ☒ Surveyed ☐ Estimated Datum

Total Depth Drilled	22	Feet	Hole Diameter	2" / 8"	Coring Device
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Prepared		Hammer		Hammer		
By	Wesley Kuhn	Weight	NA	Drop	NA	ins.

Boring Termination Depth	16'	Water	15'	GPS Coordinates
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Sampling Data: NA

Depth	Grab/Composite	Time	QA/QC Samples	Laboratory Analysis

Well Location Sketch:

Soil Characterization:

Sample/Core Depth (Feet bls)		Core Recovery (%)	PID Reading (ppm)	Blow Counts per 6 Inches	USCS		Sample/Core Description
From	To				Description/Depth	From - To	
0.0	2.0	100	1.2			0-0.6'	Gravel Fill, Topsoil, Black (10 YR 2/1)
2.0	4.0	100	1.2				
4.0	6.0	30	1.6			0.6'-7.0'	Silt and sand, non-plastic, loose, moist, Dark Yellowish Brown (10 YR 3/6)
6.0	8.0	30	1.3				very soft, trace small cobble to small pebble
8.0	10.0	75	0.6				
10.0	12.0	75	0.1			7.0'-10.3'	Sand, some silt, non-plastic, moist, very fine to medium grained, Dark Yellowish
12.0	14.0	50	1.9				Brown (10 YR 2/2)
14.0	16.0	50	2.5				
						10.3'-14.2'	Silt, some clay, trace sand, medium to high plasticity, very soft to soft, tacky,
							moist, Very Dark Gray (10 YR 3/1), slight odor
							11.8' - Grades to very fine sand and silt
						14.2'-16.0'	Sand and gravel, poorly sorted, medium grained to very large pebble, rounded
							to sub-rounded, Yellowish Brown (10 YR 5/6)
							15' - Wet, water table
							16' - End of bore
							Set screen: 12' - 22'

Well Construction Details: SEE WELL CONSTRUCTION LOG

Surface Protection		Casing		Seal		Screen		Filter Pack	
Type	Flush Mount	Diameter	2"	Type	Bentonite	Type	PVC	Material	#5 Sand
Total Depth	1'	Length	22'	Top Depth	1'	Diameter	2"	Top Depth	10'
						Slot Size	0.1		
						Top Depth	12'		
		Material	PVC	Bottom Depth	10'	Bottom Depth	22'	Bottom Depth	22'



SOIL CORE / SAMPLING LOG

Boring/Well MW-1119 Project/No. IMC/IN694.2011.2Site Location Indianapolis, IN Drilling Date/Time Started 11/28/11 1538 Drilling Date/Time Completed 11/28/11 1630Drilling Contractor Midway Driller/License# J.R. Toddish/ #1946Drilling Fluid Used none Drilling Method Direct push / Hollow Stem AugersLength and Diameter of Coring Device 4 ft / 2 in Sampling Interval 2 feetLand-Surface Elev. — 692.11 feet ☒ Surveyed ☐ Estimated Datum Total Depth Drilled 26' Feet Hole Diameter 2" / 8" Coring Device Prepared By Wesley Kuhn Hammer Weight NA Hammer Drop NA ins.Boring Termination Depth 28' Water 19' GPS Coordinates

Sampling Data: NA

Depth	Grab/Composite	Time	QA/QC Samples	Laboratory Analysis

Well Location Sketch:

Soil Characterization:

Sample/Core Depth (Feet bls) From To		Core Recovery (%)	PID Reading (ppm)	Blow Counts per 6 Inches	USCS Description/Depth From - To	Sample/Core Description
0.0	2.0	100	0.4		0-0.7'	Concrete Pad, Re-bar
2.0	4.0	100	0.5			
4.0	6.0	50	0.8		0.7'-1.7'	Fill: gravel, large cobble to granules, gray
6.0	8.0	50	2.4			
8.0	10.0	60	3.6		1.7'-3.5'	Sand and Silt: trace clay, low plasticity, medium stiff to soft,
10.0	12.0	60	2.1			Dark Yellowish Brown, (10YR 3/4)
12.0	14.0	60	2.4			
14.0	16.0	60	4.5			3' - soft to very soft, tacky, trace gravels, increasing sand content
16.0	18.0	75	2.2			
18.0	20.0	75	2.8		3.5'-8.0'	Sand: some gravel, fine to very large pebble, poorly sorted, rounded to
20.0	22.0	75	1.0			sub-angular, Dark Yellowish Brown (10R 3/4)
22.0	24.0	75	1.0			
24.0	26.0	60	0.4		8.0'-28.0'	Sand and Gravel: medium to very large pebble, poorly sorted, rounded to angular
26.0	28.0	60	0.3			loose, wet, Brown (10YR 4/3)
						10' - Moist
						18.5' - Yellowish Brown lense (10YR 5/4)
						19.0' - Water Table
						20.0'- 22.2' Sand: well sorted, very fine to medium grained, wet,
						Brown (10YR 5/3), trace coarse grains
						23.0' - Yellowish Brown lense (10YR 5/4)
						27.4'-27.6' Sand: well sorted, very fine to fine grained,
						Brown (10YR 5/3)
						28' EOB
						Set Screen 16'-26'

Well Construction Details: SEE WELL CONSTRUCTION LOG

Surface Protection		Casing		Seal		Screen		Filter Pack	
Type	Flush Mount	Diameter	2"	Type	Bentonite	Type	PVC V-wire	Material	#5 Sand
Total Depth	1'	Length	26'	Top Depth	1.5'	Diameter	2"	Top Depth	14'
						Slot Size	0.1		
						Top Depth	16'		
		Material	PVC	Bottom Depth	14'	Bottom Depth	26'	Bottom Depth	26'



SOIL CORE / SAMPLING LOG

Boring/Well MW-1120 Project/No. IMC/IN694.2011.2

Site Location Indianapolis, IN Drilling Date/Time Started 11/28/11 1343 Drilling Date/Time Completed 11/28/11 1420

Drilling Contractor Midway Driller/License# J.R. Toddish/ #1946

Drilling Fluid Used none Drilling Method Direct push / Hollow Stem Augers

Length and Diameter of Coring Device 4 ft / 2 in Sampling Interval 2 feet

Land-Surface Elev. — 687.41 feet ☒ Surveyed ☐ Estimated Datum

Total Depth Drilled 23' Feet Hole Diameter 2" / 8" Coring Device

Prepared By Wesley Kuhn Hammer Weight NA Hammer Drop NA ins.

Boring Termination Depth 23' Water 16' GPS Coordinates

Sampling Data: NA

Depth	Grab/Composite	Time	QA/QC Samples	Laboratory Analysis

Well Location Sketch:

Soil Characterization:

Sample/Core Depth (Feet bls) From To		Core Recovery (%)	PID Reading (ppm)	Blow Counts per 6 Inches	USCS Description/Depth From - To	Sample/Core Description
0.0	1.2	100	4.7		0-0.3'	Asphalt
1.2	2.0	100	4.0			
2.0	4.0	100	3.5		0.3'-1.3'	Fill: Asphalt pieces, black, cinders, gravel, sand, brown
4.0	6.0	60	2.4			
6.0	8.0	60	3.7		1.3'-2.0'	Sand: trace silts, very fine grained, well sorted, moist, trace shells, Dark Yellowish
8.0	10.0	80	4.7			Brown (10YR 4/4)
10.0	12.0	80	7.2			
12.0	14.0	100	2.9		2.0'-15'	Sand: some gravel, poorly sorted, fine grained to very large pebble, moist, rounded
14.0	16.0	100	6.9			to sub-rounded, Dark Yellowish Brown (10YR 4/4)
16.0	18.0	60	7.7			
18.0	20.0	60	5.5			7' - Dry, sub-angular to rounded
20.0	20.5	100	3.5			
20.5	22.0	100	1.5		15'-18.5'	Sand: trace gravel, poorly sorted, fine to coarse grained, trace very large pebble,
22.0	23.0	100	0.9			moist, Brown (10YR 4/3)
						16' - Water Table, increasing grain size to medium grained to very coarse,
						trace small pebbles to granules
					18.5'-22'	Sand and Gravel, poorly sorted, medium grained to very large pebbles, wet,
						angular to rounded, Brown (10YR 4/3)
						21' - Yellowish Brown (10YR 4/3) lense
					22'-23'	Sand: well sorted, very fine to fine grained, wet, Brown (10YR 4/3)
						23' EOB, set screen @ 13'-23'

Well Construction Details: SEE WELL CONSTRUCTION LOG

Surface Protection		Casing		Seal		Screen		Filter Pack	
Type	Flush Mount	Diameter	2"	Type	Bentonite	Type	PVC V-wire	Material	#5 Sand
Total Depth	1'	Length	23'	Top Depth	1.5'	Diameter	2"	Top Depth	11'
		Material	PVC	Bottom Depth	11'	Slot Size	0.1	Bottom Depth	23'
						Top Depth	13'		
						Bottom Depth	23'		



SOIL CORE / SAMPLING LOG

Boring/Well MW-1121 Project/No. IMC/IN694.2011.2

Site Location Indianapolis, IN Drilling Date/Time Started 11/28/11 0937 Drilling Date/Time Completed 11/28/11 1005

Drilling Contractor Midway Driller/License# J.R. Toddish/ #1946

Drilling Fluid Used none Drilling Method Direct push / Hollow Stem Augers

Length and Diameter of Coring Device 4 ft / 2 in Sampling Interval 2 feet

Land-Surface Elev. 684.81 feet ☒ Surveyed ☐ Estimated Datum _____

Total Depth Drilled 22.5 Feet Hole Diameter 2" / 8" Coring Device _____

Prepared By Wesley Kuhn Hammer Weight NA Hammer Drop NA ins.

Boring Termination Depth 24' Water 15.5' GPS Coordinates _____

Sampling Data: NA

Depth	Grab/Composite	Time	QA/QC Samples	Laboratory Analysis

Well Location Sketch:

Soil Characterization:

Sample/Core Depth (Feet bls) From To		Core Recovery (%)	PID Reading (ppm)	Blow Counts per 6 Inches	USCS Description/Depth From - To	Sample/Core Description
0.0	2.0	100	0.8		0'-1.0'	Gravel, small pebble to very large pebble, gray to brown
2.0	4.0	100	0.8			
4.0	6.0	100	0.8		1.0'-1.6'	Fill: sand, silt, trace clay, brown to black, glass pieces, trace gravels
6.0	8.0	5	1.5			
8.0	10.0	25	1.6		1.6'-10.5'	Sand and Silt: trace clay, non to low plasticity, soft to very soft, moist,
10.0	12.0	25	1.6			very fine grained to clay, Dark Yellowish Brown (10YR 3/4)
12.0	14.0	30	1.6			
14.0	16.0	30	0.5			6'- increasing clay content and plasticity
16.0	18.0	10	2.4			
18.0	20.0	10	2.6		10.5'-12.5'	Sand: trace gravel, fine grained to very large pebble, poorly sorted, loose, moist,
20.0	22.0	100	1.8			Dark Yellowish Brown (10YR 4/4)
22.0	24.0	100	1.8			
					12.5'-24'	Sand and Gravel: poorly sorted, medium grained to very large pebble, loose, moist
						sub-rounded to rounded, Yellowish Brown (10YR 5/6)
						15.5' - Water Table
						16' - Color Change (10YR 5/3)
						24' - EOB, set screen 12.5'-22.5'

Well Construction Details: SEE WELL CONSTRUCTION LOG

Surface Protection		Casing		Seal		Screen		Filter Pack		
Type	Flush Mount	Diameter	2"	Type	Bentonite	Type	PVC	V-wire	Material	#5 Sand
Total Depth	1'	Length	22.5'	Top Depth	1.5'	Diameter	2"		Top Depth	10.5'
						Slot Size	0.1			
						Top Depth	12.5'			
		Material	PVC	Bottom Depth	10.5'	Bottom Depth	22.5'		Bottom Depth	22.5'



SOIL CORE / SAMPLING LOG

Boring/Well SB-01-1101 Project/No. IN000694.2011.00002

Site Location Indianapolis, IN Drilling Date/Time Started 9/9/11 Drilling Date/Time Completed 9/9/11

Drilling Contractor Midway Driller/License# Mark Hicks

Drilling Fluid Used none Drilling Method Direct push

Length and Diameter of Coring Device 4 ft / 2in Sampling Interval 2 feet

Land-Surface Elev. -- feet ☐ Surveyed ☐ Estimated Datum

Total Depth Drilled 24 Feet Hole Diameter 2" Coring Device

Prepared By Wesley Kuhn Hammer Weight NA Hammer Drop NA ins.

Boring Termination Depth 24' Water 24' GPS Coordinates

Sampling Data: NA

Depth	Grab/Composite	Time	QA/QC Samples	Laboratory Analysis
0-0.5'	Grab	1340		VOCs and SVOCs
8'-10'	Grab	1430		VOCs and SVOCs
18'-20'	Grab	1435		VOCs and SVOCs

Well Location Sketch:

Soil Characterization:

Sample/Core Depth (Feet bls)		Core Recovery (%)	PID Reading (ppm)	FID Reading	USCS Description/Depth		Sample/Core Description
From	To				From	To	
0.0	0.5	100	0		0-0.8'		Concrete Pad
0.5	2.0	100	0.7				
2.0	4.0	100	0.9		0.8'-7.5'		Sand and Gravel, poorly sorted, fine grained to very large pebbles, dry, angular to sub-rounded, Dark Yellowish Brown (10 YR 3/4)
4.0	6.0	100	3.9				2'- Grading to Sand, some gravel
6.0	8.0	100	4.6				5.5' - color change, Black (10 YR2/1), fill,cinders, asphalt pieces
8.0	10.0	100	1.7				
10.0	12.0	100	1.8				
12.0	14.0	100	2.8		7.5'-9.5'		Clay, some silt, non-plastic, friable, very stiff, mottled color, dry, very Dark
14.0	16.0	100	2.3				Grayish Brown (10 YR3/2), trace sand
16.0	18.0	100	3.9				
18.0	20.0	100	3.6		9.5'-11.8'		Sand and Silt, well sorted, low to non-plastic, soft to medium stiff, Dark Yellowish
20.0	22.0	100	2.4				Brown (10 YR4/6), trace clay
22.0	24.0	100	1.3				11.6' - increasing clay content
					11.8'-17.3'		Sand, some silt, well sorted, non-plastic, soft, moist, Dark Yellowish Brown
							(10 YR4/6)
							15.8' - grading to sand, trace silt
					17.3'-22.9'		Sand, some gravel, poorly sorted, medium grained to large pebble, dry, rounded to
							angular, Yellowish Brown (10 YR 5/4)
							19.6' - Moist
					22.9'-24'		Sand, well sorted, medium to fine grained, Dark Yellowish Brown (10 YR4/4),
							moist, medium dense
							24' - Wet, water table
							24' - End of Bore

Well Construction Details: SEE WELL CONSTRUCTION LOG

Surface Protection		Casing		Seal		Screen		Filter Pack	
Type		Diameter		Type		Type		Material	
Total Depth		Length		Top Depth		Diameter		Top Depth	
		Material		Bottom Depth		Slot Size		Bottom Depth	
						Top Depth			
						Bottom Depth			



SOIL CORE / SAMPLING LOG

Boring/Well SB-01-1102 Project/No. IN000694.2011.00002

Site Location Indianapolis, IN Drilling Date/Time Started 9/8/11 Drilling Date/Time Completed 9/8/11

Drilling Contractor Midway Driller/License# Mark Hicks

Drilling Fluid Used none Drilling Method Direct push

Length and Diameter of Coring Device 4 ft / 2in Sampling Interval 2 feet

Land-Surface Elev. -- feet ☐ Surveyed ☐ Estimated Datum _____

Total Depth Drilled 24' Feet Hole Diameter 2" Coring Device _____

Prepared By Wesley Kuhn Hammer Weight NA Hammer Drop NA ins.

Boring Termination Depth 24' Water 24' GPS Coordinates _____

Sampling Data: NA

Depth	Grab/Composite	Time	QA/QC Samples	Laboratory Analysis
0-0.5'	Grab	1650	MS/MSD	VOCs and SVOCs
8'-10'	Grab	1745	FD-5 for SVOCs only	VOCs and SVOCs
18'-20'	Grab	1750		VOCs and SVOCs

Well Location Sketch:

Soil Characterization:

Sample/Core Depth (Feet bls)		Core Recovery (%)	PID Reading (ppm)	FID Reading	USCS Description/Depth From - To	Sample/Core Description
From	To					
0.0	0.5	100	0.8		0-0.6'	Concrete Pad
0.5	2.0	100	6.1			
2.0	4.0	100	2.6		0.6'-6.5'	Sand, some gravel, poorly sorted, medium grained to very large pebbles, rounded to angular, Dark Yellowish Brown (10 YR 3/4), Dry
4.0	6.0	100	2.2			
6.0	8.0	100	7.6			
8.0	10.0	75	22.7		6.5'-11.5'	Fill: Sand, gravel, brick pieces, slag, cinders, Black (10 YR2/1), Yellowish Brown (10 YR 3/4)
10.0	12.0	75	20.0			
12.0	14.0	75	3.5			10' - Grading to more sand and silt with fill inter-mixed
14.0	16.0	75	3.2			
16.0	18.0	75	3.8		11.5'-14.9'	Silt, some sand, trace clay, non-plastic, loose, moist, mottled color, Dark Brown (10 YR3/3), soft to very soft
18.0	20.0	75	12.6			
20.0	22.0	75	2.6			12' - grading to sand and silt
22.0	24.0	75	1.2			
					14.9'-17.5'	Sand, trace silt, very fine to fine grained, well sorted, moist, Yellowish Brown (10 YR 5/4)
					17.5'-24'	Sand, some gravel, poorly sorted, medium grained to large pebble, loose, moist rounded to angular, Yellowish Brown (10 YR 5/6)
						23.5' - color change to Brownish Yellow (10YR 6/8)
						24' - Wet, water table
						24' - End of Bore

Well Construction Details: SEE WELL CONSTRUCTION LOG

Surface Protection	Casing	Seal	Screen	Filter Pack
Type _____	Diameter _____	Type _____	Type _____	Material _____
Total Depth _____	Length _____	Top Depth _____	Diameter _____	Top Depth _____
	Material _____	Bottom Depth _____	Slot Size _____	Bottom Depth _____
			Top Depth _____	
			Bottom Depth _____	



SOIL CORE / SAMPLING LOG

Boring/Well SB-02-1101 Project/No. IMC/IN694.2011.2

Site Location Indianapolis, IN Drilling Date/Time Started 5/20/11 Drilling Date/Time Completed 6/1/11

Drilling Contractor Midway Driller/License# Mark Hicks

Drilling Fluid Used none Drilling Method Direct push

Length and Diameter of Coring Device 4 ft. / 2 in. Sampling Interval 2 feet

Land-Surface Elev. -- feet ☐ Surveyed ☐ Estimated Datum _____

Total Depth Drilled 76' Feet Hole Diameter 2" Coring Device _____

Prepared By Wesley Kuhn / Emily Gercke Hammer Weight NA Hammer Drop NA ins.

Boring Termination Depth 76' Water 18' GPS Coordinates _____

Sampling Data: NA

Depth	Grab/Composite	Time	QA/QC Samples	Laboratory Analysis
0.5-1	Grab	1500	MS/MSD	BTEX, cPAHs
8-10	Grab	1505		
12-14	Grab	1510		

Well Location Sketch:

Soil Characterization:

Sample/Core Depth (Feet bls)		Core Recovery (%)	PID Reading (ppm)	FID Reading	USCS Description/Depth		Sample/Core Description
From	To				From	To	
0.0	2.0	100	22.0	0.75			0-0.5' Asphalt
2.0	4.0	100	17.35	14.05			
4.0	6.0	75	20.0	14.54			0.5-2' Gravel fill, medium grained to very large pebble
6.0	8.0	75	15.0	4.38			
8.0	10.0	50	7.18	1.82			2-4' Fill, black sand, silt and clay, brown sand, pebbles
10.0	12.0	50	15.15	2.87			
12.0	14.0	75	19.2	7.90			4-13.6' Silty sand, low plasticity, soft, dark yellowish brown (10YR 3/4)
14.0	16.0	75	20.51	11.49			
16.0	18.0	75	16.03	15.04			13.6-14.4' Sand, very fine to medium grained, well sorted, brown
18.0	20.0	75	14.5	16.45			(10YR 4/3), moist
20.0	22.0	75	25.6	5.52			
22.0	24.0	60	26.12	5.20			14.4-18.8' Sand and gravel, medium grained to very large pebble, poorly
24.0	26.0	100	13.0	4.9			sorted, yellowish brown (10YR 5/4), loose, moist
26.0	28.0	100	10.1	8.5			WT @ 18'
28.0	30.0	100	430.0	1.5			
30.0	32.0	100	327.0	7.3			18.8-20' Sand, medium to coarse, well sorted, dark brown (10YR 3/3), wet
32.0	34.0	100	28.0	7.0			
34.0	36.0	100	43.3	14.0			20'-32' Sand and gravel, medium-coarse with occasional large pebble,
36.0	38.0	100	19.5	3.4			poorly sorted, wet, subrounded to rounded 10YR3/6. (odor at 20', just
38.0	40.0	100	22.9	15.8			1"-2" of slight odor in mostly fine-medium sands
40.0	42.0	100	11.5	4.3			-26.5'-31' fine-medium sand, well sorted, wet 10 YR 4/4. more pebbles
42.0	44.0	100	9.7	13.3			at bottom of lens.
44.0	46.0	100	3.1	5.3			
46.0	48.0	100	3.7	6.0			32'-49' coarse-medium sand with few pebbles, angular to subrounded,
48.0	50.0	100	2.4	2.8			poorly sorted, 10YR 4/4, with well sorted lenses of sand
50.0	52.0	100	5.1	10.3			-39'; 40' silty clay appears (very little bit for 2-3")
52.0	54.0	100	20.2	3.2			at 40' begin grading to sands and gravels at 42'-43.5'
54.0	56.0	100	25.1	4.5			at 43.5' back to coarse/medium sands

Well Construction Details: SEE WELL CONSTRUCTION LOG

Surface Protection		Casing		Seal		Screen		Filter Pack	
Type		Diameter		Type		Type		Material	
Total Depth		Length		Top Depth		Diameter		Top Depth	
		Material		Bottom Depth		Slot Size		Bottom Depth	



SOIL CORE / SAMPLING LOG

Boring/Well SB-02-1101 Project/No. IMC/IN694.2011.2

Site Location Indianapolis, IN Drilling Date/Time Started 5/20/11 Drilling Date/Time Completed 6/1/11

Drilling Contractor Midway Driller/License# Mark Hicks

Drilling Fluid Used none Drilling Method Direct push

Length and Diameter of Coring Device 4 ft. / 2 in. Sampling Interval 2 feet

Land-Surface Elev. -- feet ☐ Surveyed ☐ Estimated Datum

Total Depth Drilled 76' Feet Hole Diameter 2" Coring Device

Prepared By Wesley Kuhn / Emily Gercke Hammer Weight NA Hammer Drop NA ins.

Boring Termination Depth 76' Water 18' GPS Coordinates

Sampling Data: NA

Depth	Grab/Composite	Time	QA/QC Samples	Laboratory Analysis
0.5-1	Grab	1500	MS/MSD	BTEX, cPAHs
8-10	Grab	1505		
12-14	Grab	1510		

Well Location Sketch:

Soil Characterization:

Sample/Core Depth (Feet bls)		Core Recovery (%)	PID Reading (ppm)	FID Reading	USCS Description/Depth From - To	Sample/Core Description
From	To					
56.0	58.0	100	20.7	1.8		at 41' grading to sand and gravels to 42', at 42' back to coarse/medium
58.0	60.0	100	15.4	2.2		sand.
60.0	62.0	40	200.0	4.7		at 43' grading to sand and gravels to 44'
62.0	64.0	40	16.7	9.2		
64.0	66.0	100	2020.0	4.2		49'-66' Sand and gravel. Medium-coarse sand and small granule to
66.0	68.0	100	603.0	4.5		large pebble, subrounded, poorly sorted, wet, 10YR4/3
68.0	70.0	100	71.0	2.0		-55'56' sand lens, medium coarse sand
70.0	72.0	100	53.3	5.6		-53'-55' large pebbles, some void space must have been present
72.0	74.0	100	75.0	7.8		does not fill up core sleeve
74.0	76.0	100	49.0	17.8		-56' very bottom of interval in cutting shoe, grey clay piece, medium
						silt, high plasticity, 10YR 4/2
						-56'-57.5' gravel and sand
						-57.5' very thin lamina of fine sand/silt
						-58'-59' gravel and sand
						-64' begin grading to gravel and sand end at 66'
						66'-66.5' Silty and clay, hard, moist, occasional pebbles and medium
						sand. 10YR 4/1, medium to low plasticity
						66.5'-67' rock fragments, two granite pieces and 1 limestone fragment
						weathered and pitted
						67-70.5' Sandy, gravelly silt with occasional lenses of pure silt and lenses
						of fine clay, moist to wet, low plasticity, 10YR 4/1, friable, few lenses of
						higher plasticity.
						70.5'-76' medium sand with occasional gravel, medium sorted, subrounded
						10YR 4/2, wet, loose.
						EOB 76'

Well Construction Details: SEE WELL CONSTRUCTION LOG

Surface Protection		Casing		Seal		Screen		Filter Pack	
Type		Diameter		Type		Type		Material	
Total Depth		Length		Top Depth		Diameter		Top Depth	
		Material		Bottom Depth		Slot Size		Bottom Depth	
						Top Depth			
						Bottom Depth			



Boring/Well SB-03-1101 Project/No. IMC/IN694.2011.2

Site Location	Indianapolis, IN	Drilling Date/Time Started	5/23/11	Drilling Date/Time Completed	5/23/11
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Drilling Contractor	Midway	Driller/License#	Mark Hicks
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Drilling Fluid Used	none	Drilling Method	Direct push
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Length and Diameter of Coring Device	4 ft / 2 in	Sampling Interval 2	feet
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Land-Surface Elev. -- feet ☐ Surveyed ☐ Estimated Datum

Total Depth Drilled	20	Feet	Hole Diameter	2"	Coring Device
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Prepared		Hammer		Hammer	
By	Wesley Kuhn	Weight	NA	Drop	NA ins.

Boring Termination Depth	20	Water	17'	GPS Coordinates
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Sampling Data: NA

Depth	Grab/Composite	Time	QA/QC Samples	Laboratory Analysis
0.4-0.9	Grab	1120		VOCs, cPAHs
8-10	Grab	1125		
10-12	Grab	1130		
BH water	Grab	1135		

Well Location Sketch:

Soil Characterization:

[illegible]

Well Construction Details: SEE WELL CONSTRUCTION LOG

Surface Protection		Casing		Seal		Screen		Filter Pack	
Type		Diameter		Type		Type		Material	
						Diameter			
Total Depth		Length		Top Depth		Slot Size		Top Depth	
						Top Depth	13'		
		Material		Bottom Depth		Bottom Depth	23'	Bottom Depth	

SOIL CORE / SAMPLING LOG

Boring/Well SB-03-1102 Project/No. IMC/IN694.2011.2

Site Location	Indianapolis, IN	Drilling Date/Time Started	5/23/11	Drilling Date/Time Completed	5/23/11
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Drilling Contractor	<u>Midway</u>	Driller/License#	<u>Mark Hicks</u>
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Drilling Fluid Used	none	Drilling Method	Direct push
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Length and Diameter of Coring Device 4 ft / 2 in Sampling Interval 2 feet

Land-Surface Elev. -- feet ☐ Surveyed ☐ Estimated Datum _____

Total Depth Drilled 16 Feet Hole Diameter 2" Coring Device _____

Prepared		Hammer		Hammer
By	<u>Wesley Kuhn</u>	Weight	<u>NA</u>	Drop <u>NA</u> ins.

Boring Termination Depth	<u>16</u>	Water	<u>15.8'</u>	GPS Coordinates	<u></u>
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Sampling Data: NA

Depth	Grab/Composite	Time	QA/QC Samples	Laboratory Analysis
0.5-1	Grab	930		VOCs, cPAHs
8-10	Grab	935	FD-3	
10-11.8	Grab	940		
BH water	Grab	945		

Well Location Sketch:

Soil Characterization:

[illegible]

Well Construction Details: SEE WELL CONSTRUCTION LOG

Surface Protection		Casing		Seal		Screen		Filter Pack	
Type		Diameter		Type		Type		Material	
						Diameter			
Total Depth		Length		Top Depth		Slot Size		Top Depth	
						Top Depth			
		Material		Bottom Depth		Bottom Depth		Bottom Depth	



SOIL CORE / SAMPLING LOG

Boring/Well SB-03-1103 Project/No. IMC/IN694.2011.2Site Location Indianapolis, IN Drilling Date/Time Started 5/23/11 Drilling Date/Time Completed 5/23/11Drilling Contractor Midway Driller/License# Mark HicksDrilling Fluid Used none Drilling Method Direct pushLength and Diameter of Coring Device 4 ft / 2 in Sampling Interval 2 feetLand-Surface Elev. -- feet ☐ Surveyed ☐ Estimated Datum Total Depth Drilled 20 Feet Hole Diameter 2" Coring Device Prepared By Wesley Kuhn Hammer Weight NA Hammer Drop NA ins.Boring Termination Depth 20' Water 17' GPS Coordinates

Sampling Data: NA

Depth	Grab/Composite	Time	QA/QC Samples	Laboratory Analysis
0.5-1	Composite	1415		VOCs, cPAHs
8-10	Composite	1420		
10-12	Composite	1425		
BH water	Composite	1430		

Well Location Sketch:

Soil Characterization:

Sample/Core Depth (Feet bls) From To		Core Recovery (%)	PID Reading (ppm)	FID Reading	USCS Description/Depth From - To	Sample/Core Description
0.0	2.0	100	22.0	0.75		0-0.5' Concrete pad
2.0	4.0	100	17.35	14.05		
4.0	6.0	75	20.0	14.54		0.5-7.5' Silty sand, medium to low plasticity, soft, black (10YR 2/1) and
6.0	8.0	75	15.0	4.38		very dark greyish brown (10YR 3/2)
8.0	10.0	50	7.18	1.82		4.5' color change, all very dark greyish brown (10YR 3/2)
10.0	12.0	50	15.15	2.87		6' color change, dark yellowish brown (10YR 4/4)
12.0	14.0	75	19.2	7.90		
14.0	16.0	75	20.51	11.49		7.5-8' Sand, very fine to fine, well sorted, yellowish brown (10YR 5/6)
16.0	18.0	75	16.03	15.04		
18.0	20.0	75	14.5	16.45		8-20' Sand and gravel, medium to very large pebble, poorly sorted,
						angular to rounded, yellowish brown (10YR 5/4)
						13' - moist
						16' color change, brown (10YR 4/3)
						WT @ 17'
						20' EOB

Well Construction Details: SEE WELL CONSTRUCTION LOG

Surface Protection	Casing	Seal	Screen	Filter Pack
Type <u> </u>	Diameter <u> </u>	Type <u> </u>	Type <u> </u>	Material <u> </u>
Total Depth <u> </u>	Length <u> </u>	Top Depth <u> </u>	Diameter <u> </u>	Top Depth <u> </u>
			Slot Size <u> </u>	
			Top Depth <u> </u>	
	Material <u> </u>	Bottom Depth <u> </u>	Bottom Depth <u> </u>	Bottom Depth <u> </u>



SOIL CORE / SAMPLING LOG

Boring/Well SB-03-1104 Project/No. IMC/IN694.2011.2Site Location Indianapolis, IN Drilling Date/Time Started 5/23/11 Drilling Date/Time Completed 5/23/11Drilling Contractor Midway Driller/License# Mark HicksDrilling Fluid Used none Drilling Method Direct pushLength and Diameter of Coring Device 4 ft / 2 in Sampling Interval 2 feetLand-Surface Elev. -- feet ☐ Surveyed ☐ Estimated Datum Total Depth Drilled 16 Feet Hole Diameter 2" Coring Device Prepared By Wesley Kuhn Hammer Weight NA Hammer Drop NA ins.Boring Termination Depth 16' Water 14.5' GPS Coordinates

Sampling Data: NA

Depth	Grab/Composite	Time	QA/QC Samples	Laboratory Analysis
1-1.5	Grab	1555	MS/MSD	VOCs, cPAHs, lead
8-10	Grab	1605		VOCs, cPAHs, lead
EB-3	Grab	1630		VOCs, cPAHs, lead
BH water	Grab	1615		VOCs, cPAHs

Well Location Sketch:

Soil Characterization:

Sample/Core Depth (Feet bls) From To		Core Recovery (%)	PID Reading (ppm)	FID Reading	USCS Description/Depth From - To	Sample/Core Description
0.0	2.0	100	2.72	0.52		0-1' Asphalt and concrete
2.0	4.0	100	2.44	0.06		
4.0	6.0	50	2.10	0.02		1-6' Silty sand with clay, medium to high plasticity, soft, very dark brown
6.0	8.0	50	1.17	0.00		(10YR 2/2)
8.0	10.0	75	1.74	0.87		2' Color change to dark brown (10YR 3/3), grade to silty sand,
10.0	12.0	75	3.77	2.93		low to medium plasticity
12.0	14.0	90	4.12	3.21		5' color change to yellowish brown (10YR 5/4)
14.0	16.0	90	3.22	7.72		
						6-8' Sand, very fine to fine grained, well sorted, yellowish brown
						(10YR 5/4)
						8-16' Sand and gravel, medium to very large pebble, poorly sorted, angular
						to rounded, yellowish brown (10YR 5/4)
						WT @ 14.5, color change to brown (10YR 4/3)
						16' EOB

Well Construction Details: SEE WELL CONSTRUCTION LOG

Surface Protection	Casing	Seal	Screen	Filter Pack
Type <u> </u>	Diameter <u> </u>	Type <u> </u>	Type <u> </u>	Material <u> </u>
Total Depth <u> </u>	Length <u> </u>	Top Depth <u> </u>	Diameter <u> </u>	Top Depth <u> </u>
			Slot Size <u> </u>	
			Top Depth <u> 13'</u>	
	Material <u> </u>	Bottom Depth <u> </u>	Bottom Depth <u> 23'</u>	Bottom Depth <u> </u>



Surface Protection		Casing		Seal		Screen		Filter Pack	
Type		Diameter		Type		Type		Material	
						Diameter			
Total Depth		Length		Top Depth		Slot Size		Top Depth	
						Top Depth			
		Material		Bottom Depth		Bottom Depth		Bottom Depth	

SOIL CORE / SAMPLING LOG

Boring/Well SB-03-1106 Project/No. IMC/IN694.2011.2

Site Location	Indianapolis, IN	Drilling Date/Time Started	9/6/11	Drilling Date/Time Completed	9/6/11
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Drilling Contractor Midway Driller/License# Mark Hicks

Drilling Fluid Used	none	Drilling Method	Direct push
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Length and Diameter of Coring Device	4 ft 2 in	Sampling Interval 2	feet
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Land-Surface Elev. -- feet ☐ Surveyed ☐ Estimated Datum

Total Depth Drilled	16	Feet	Hole Diameter	2"	Coring Device
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Prepared		Hammer		Hammer		
By	Wesley Kuhn	Weight	NA	Drop	NA	ins.

Boring Termination Depth	16'	Water	15.3'	GPS Coordinates
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Sampling Data: NA

Depth	Grab/Composite	Time	QA/QC Samples	Laboratory Analysis
0-0.5'	Grab	805	FD-1(090611)-TP	VOCs
0.5-2'	Grab	810		VOCs
2-4'	Grab	840	MS/MSD	VOCs
4-6'	Grab	850		VOCs
6-8'	Grab	900		VOCs
8'-10'	Grab	905		VOCs
10'-11'	Grab	910		VOCs

Well Location Sketch:

Soil Characterization:

Sample/Core Depth (Feet bls)		Core Recovery (%)	PID Reading (ppm)	FID Reading	USCS Description/Depth		Sample/Core Description
From	To					From - To	
0.0	0.5	100	0.90			0-0.3'	Asphalt Pad
0.5	2.0	100	1.10				
2.0	4.0	100	2.20			0.3' - 7.5'	Fill: Topsoil, sand, silt, gravels, brick pieces, Black (10 YR 2/1), fine to very
4.0	6.0	50	3.10				large pebble
6.0	8.0	50	0.60				3' - Increasing clay and sand content, medium to low plasticity, Very
8.0	10.0	75	0.50				Dark Brown (10 YR 2/2)
10.0	12.0	75	2.10				
12.0	14.0	60	2.10			7.5' - 12.0'	Sand, some gravel, fine grained to medium pebble, moist, Dark Yellowish Brown
14.0	16.0	60	1.70				(10 YR 4/8), sub-rounded to rounded pebbles
							9.5' - Increasing very fined gravel sands
						12.0' - 16.0'	Sand and gravel, medium grained to very large pebble, angular to sub-rounded
							Yellowish Brown (10 YR 5/4), moist
							15.3' - water table
							16'- End of bore

Well Construction Details: SEE WELL CONSTRUCTION LOG

Surface Protection		Casing		Seal		Screen		Filter Pack	
Type		Diameter		Type		Type		Material	
						Diameter			
Total Depth		Length		Top Depth		Slot Size		Top Depth	
						Top Depth			
		Material		Bottom Depth		Bottom Depth		Bottom Depth	



SOIL CORE / SAMPLING LOG

Boring/Well SB-03-1107 Project/No. IMC/IN694.2011.2Site Location Indianapolis, IN Drilling Date/Time Started 9/6/11 Drilling Date/Time Completed 9/6/11Drilling Contractor Midway Driller/License# Mark HicksDrilling Fluid Used none Drilling Method Direct pushLength and Diameter of Coring Device 4 ft / 2 in Sampling Interval 2 feetLand-Surface Elev. -- feet ☐ Surveyed ☐ Estimated Datum Total Depth Drilled 16 Feet Hole Diameter 2" Coring Device Prepared By Wesley Kuhn Hammer Weight NA Hammer Drop NA ins.Boring Termination Depth 16' Water 15.5' GPS Coordinates

Sampling Data: NA

Depth	Grab/Composite	Time	QA/QC Samples	Laboratory Analysis
0-0.5'	Grab	935		VOCs
0.5'-2'	Grab	940		VOCs
2'-4'	Grab	945		VOCs
4'-6'	Grab	950		VOCs
6'-8'	Grab	1000		VOCs
8'-10'	Grab	1005		VOCs
10'-11'	Grab	1010		VOCs

Well Location Sketch:

Soil Characterization:

Sample/Core Depth (Feet bsl) From To		Core Recovery (%)	PID Reading (ppm)	FID Reading	USCS Description/Depth From - To	Sample/Core Description
0.0	0.5	100	0.50		0-0.4'	Asphalt Pad
0.5	2.0	100	1.20			
2.0	4.0	100	7.90		0.4' - 2.0'	Fill: Sand, gravel, topsoil, Brown,
4.0	6.0	50	3.50			1.5' - Black (10 YR 2/1)
6.0	8.0	50	4.60			
8.0	10.0	50	4.50		2.0' - 6.3'	Silt, some sand, trace clay, low to medium plasticity, very soft, Very Dark Grayish
10.0	12.0	50	3.50			Brown (10 YR 3/2), slightly moist
12.0	14.0	50	5.00			
14.0	16.0	50	12.30		6.3' - 8.5'	Sand, well sorted, very fine to fine grained, Yellowish Brown (10 YR 5/6), trace
						silts, moist
					8.5' - 16.0'	Sand, some gravel, poorly sorted, medium grained to very large pebble, angular
						to sub-rounded, Yellowish Brown (10 YR 5/4), moist
						13.5' - Grading to sand and gravel
						15.5' - Wet
						16' - End of bore

Well Construction Details: SEE WELL CONSTRUCTION LOG

Surface Protection	Casing	Seal	Screen	Filter Pack
Type <u></u>	Diameter <u></u>	Type <u></u>	Type <u></u>	Material <u></u>
Total Depth <u></u>	Length <u></u>	Top Depth <u></u>	Diameter <u></u>	Top Depth <u></u>
	Material <u></u>	Bottom Depth <u></u>	Slot Size <u></u>	Bottom Depth <u></u>
			Top Depth <u></u>	
			Bottom Depth <u></u>	

SOIL CORE / SAMPLING LOG

Boring/Well	SB-03-1108	Project/No.	IMC/IN694.2011.2
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Site Location	Indianapolis, IN	Drilling Date/Time Started	9/6/11	Drilling Date/Time Completed	9/6/11
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Drilling Contractor Midway Driller/License# Mark Hicks

Drilling Fluid Used	none	Drilling Method	Direct push
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Length and Diameter of Coring Device	4 ft / 2 in	Sampling Interval 2	feet
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Land-Surface Elev. -- feet ☐ Surveyed ☐ Estimated Datum

Total Depth Drilled	16	Feet	Hole Diameter	2"	Coring Device
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Prepared		Hammer		Hammer		
By	Wesley Kuhn	Weight	NA	Drop	NA	ins.

Boring Termination Depth	16'	Water	15'	GPS Coordinates
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Sampling Data: NA

Depth	Grab/Composite	Time	QA/QC Samples	Laboratory Analysis
0-0.5'	Grab	1055		VOCs
0.5-2'	Grab	1100		VOCs
2'-4'	Grab	1105		VOCs
4'-6'	Grab	1110		VOCs
6'-8'	Grab	1115		VOCs
8'-10'	Grab	1125		VOCs
10'-11'	Grab	1130		VOCs

Well Location Sketch:

Soil Characterization:

Sample/Core Depth (Feet bls)		Core Recovery (%)	PID Reading (ppm)	FID Reading	USCS		Sample/Core Description
From	To				Description/Depth	From - To	
0.0	0.5	100	6.00			0-0.3'	Asphalt Pad
0.5	2.0	100	23.00				
2.0	4.0	100	45.00			0.3' - 3.0'	Fill: sand and gravel, cinders, brick pieces, Yellowish Brown (10 YR 5/6), fine
4.0	6.0	50	14.80				grained to small cobble
6.0	8.0	50	3.70				
8.0	10.0	60	4.10			3.0' - 7.4'	Silt, some sand, some clay, medium to low plasticity, very soft, well sorted,
10.0	12.0	60	2.60				Very Dark Grayish (10 YR 3/2), moist
12.0	14.0	60	12.00				
14.0	16.0	60	22.20			7.4' - 16.0'	Sand, little gravel, poorly sorted, angular to rounded, very fine and large pebble,
							moist, Yellowish Brown (10 YR 5/6)
							8.5' - Medium grained to large pebble
							9.0' - Increasing gravel content, moist
							15.0' - water table
							16'- End of bore

Well Construction Details: SEE WELL CONSTRUCTION LOG

Surface Protection		Casing		Seal		Screen		Filter Pack	
Type		Diameter		Type		Type		Material	
Total Depth		Length		Top Depth		Diameter			Top Depth
	Slot Size								
			Top Depth						
		Material		Bottom Depth		Bottom Depth		Bottom Depth	

SOIL CORE / SAMPLING LOG

Boring/Well	SB-03-1109	Project/No.	IMC/IN694.2011.2
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Site		Drilling		Drilling	
Location	Indianapolis, IN	Date/Time Started	9/7/11	Date/Time Completed	9/7/11

Drilling Contractor	Midway	Driller/License#	Mark Hicks
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Drilling Fluid Used	none	Drilling Method	Direct push
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Length and Diameter of Coring Device 4 ft / 2 in Sampling Interval 2 feet

Land-Surface Elev. -- feet ☐ Surveyed ☐ Estimated Datum _____

Total Depth Drilled	8	Feet	Hole Diameter	2"	Coring Device
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Prepared		Hammer		Hammer		
By	Wesley Kuhn	Weight	NA	Drop	NA	ins.

Boring Termination Depth	8	Water	GPS Coordinates
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Sampling Data: NA

Depth	Grab/Composite	Time	QA/QC Samples	Laboratory Analysis
2-4'	Grab	1110		VOCs
4-6'	Grab	1115		VOCs
6-8'	Grab	1120		VOCs

Well Location Sketch:

Soil Characterization:

[illegible]

Well Construction Details: SEE WELL CONSTRUCTION LOG

Surface Protection		Casing		Seal		Screen		Filter Pack	
Type		Diameter		Type		Type		Material	
						Diameter			
Total Depth		Length		Top Depth		Slot Size		Top Depth	
						Top Depth			
		Material		Bottom Depth		Bottom Depth		Bottom Depth	



Surface Protection		Casing		Seal		Screen		Filter Pack	
Type		Diameter		Type		Type		Material	
Total Depth		Length		Top Depth		Diameter		Top Depth	
	Slot Size								
					Top Depth				
		Material		Bottom Depth		Bottom Depth		Bottom Depth	



SOIL CORE / SAMPLING LOG

Boring/Well	SB-03-1111		Project/No.	IMC/IN694.2011.2			
Site Location	Indianapolis, IN		Drilling Date/Time Started	9/6/11	Drilling Date/Time Completed	9/6/11	
Drilling Contractor	Midway		Driller/License#	Mark Hicks			
Drilling Fluid Used	none		Drilling Method	Direct push			
Length and Diameter of Coring Device	4 ft / 2 in		Sampling Interval	2 feet			
Land-Surface Elev.	--	feet	☐ Surveyed	☐ Estimated	Datum		
Total Depth Drilled	12 Feet		Hole Diameter	2"			
Prepared By	Wesley Kuhn		Hammer Weight	NA		Hammer Drop	NA ins.
Boring Termination Depth	12'		Water	10.5'		GPS Coordinates	

Sampling Data: NA

Depth	Grab/Composite	Time	QA/QC Samples	Laboratory Analysis
0-0.5'	Grab	1300	MS/MSD	
0.5'-2'	Grab	1310	FD-2(090611)-TP	
2'-4'	Grab	1320		
4'-6'	Grab	1325		
6'-7'	Grab	1330		

Well Location Sketch:

Soil Characterization:

Sample/Core Depth (Feet bsls)		Core Recovery (%)	PID Reading (ppm)	FID Reading	USCS		Sample/Core Description
From	To				Description/Depth	From - To	
0.0	0.5	100	0.90			0-0.4'	Asphalt Pad
0.5	2.0	100	0.50				
2.0	4.0	100	1.70			0.4' - 1.5'	Fill, sand and gravel, cinders, Brown (10 YR 6/6), Black (10 YR 2/1), medium
4.0	6.0	65	2.10				grained to small cobble
6.0	8.0	65	2.30				
8.0	10.0	50	2.20			1.5' - 6.4'	Silt and sand, trace clay, low to non-plasticity, very soft, well sorted, Very Dark
10.0	12.0	50	2.90				Grayish Brown (10 YR 3/2), moist
						6.4' - 10.3'	Sand, some silt, well sorted, very fine to fine grained, moist, Yellowish Brown
							(10 YR 5/6)
						10.3' - 12.0'	Sand, some gravel, poorly sorted, medium grained to large pebble, rounded to
							angular, moist, Yellowish Brown (10 YR 5/4)
							10.5' - water table
							12'- End of bore

Well Construction Details: SEE WELL CONSTRUCTION LOG

Surface Protection	Casing	Seal	Screen	Filter Pack
Type	Diameter	Type	Type	Material
Total Depth	Length	Top Depth	Diameter	Top Depth
	Material	Bottom Depth	Slot Size	
			Top Depth	
			Bottom Depth	Bottom Depth

SOIL CORE / SAMPLING LOG

Boring/Well	SB-03-1112	Project/No.	IMC/IN000694.2011.00002
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Site Location	Indianapolis, IN	Drilling Date/Time Started	9/6/11	Drilling Date/Time Completed	9/6/11
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Drilling Contractor	Midway	Driller/License#	Mark Hicks
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Drilling Fluid Used	<u>none</u>	Drilling Method	<u>Direct push</u>
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Length and Diameter of Coring Device	4 ft / 2 in	Sampling Interval 2	feet
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Land-Surface Elev. -- feet ☐ Surveyed ☐ Estimated Datum _____

Total Depth Drilled 16 Feet Hole Diameter 2" Coring Device _____

Prepared		Hammer		Hammer
By	Wesley Kuhn	Weight	NA	Drop
				NA
				ins.

Boring Termination Depth	16'	Water	12.5'	GPS Coordinates	
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Sampling Data: NA

Depth	Grab/Composite	Time	QA/QC Samples	Laboratory Analysis
0-0.5'	Grab	1415		
0.5'-2'	Grab	1420		
2'-4'	Grab	1425		
4'-6'	Grab	1430		
6'-8'	Grab	1435		

Well Location Sketch:

Soil Characterization:

Sample/Core Depth (Feet bls)		Core Recovery (%)	PID Reading (ppm)	FID Reading	USCS		Sample/Core Description
From	To				Description/Depth	From - To	
0.0	0.5	100	1.7			0-0.45'	Asphalt Pad
0.5	2.0	100	2.9				
2.0	4.0	100	3.1			0.45'-2'	Fill, sand and gravel, cinders, small cobbles, fine brick pieces
4.0	6.0	50	6.3				Black (10 YR 2/1), dry
6.0	8.0	50	2.1				
8.0	10.0	70	3.1			2'-3.5'	Silt, trace sand, trace clay, non-plastic to low plasticity, very soft, well sorted,
10.0	12.0	70	5.0				Very Dark Grayish Brown (10 YR 3/2), slightly moist
12.0	14.0	50	7.3				
14.0	16.0	50	18.0			3.5'-6.7'	Sand , trace silts, well sorted, very fine to fine grained, moist, Yellowish Brown
							(10 YR 5/6)
						6.7'-16'	Sand, some gravel, poorly sorted, medium grained to large pebble, rounded to
							angular, moist, Yellowish Brown (10 YR 5/4)
							12.5' - water table
							16'- End of bore

Well Construction Details: SEE WELL CONSTRUCTION LOG

Form Completion Form - SEE INSTRUCTIONS									
Surface Protection		Casing		Seal		Screen		Filter Pack	
Type		Diameter		Type		Diameter		Material	
Total Depth		Length		Top Depth		Slot Size		Top Depth	
						Top Depth			
						Bottom Depth			
		Material		Bottom Depth		Bottom Depth		Bottom Depth	



SOIL CORE / SAMPLING LOG

Boring/Well	SB-03-1113		Project/No.	IMC/IN694.2011.2			
Site Location	Indianapolis, IN		Drilling Date/Time Started	9/6/11	Drilling Date/Time Completed	9/6/11	
Drilling Contractor	Midway		Driller/License#	Mark Hicks			
Drilling Fluid Used	none		Drilling Method	Direct push			
Length and Diameter of Coring Device	4 ft / 2 in		Sampling Interval	2 feet			
Land-Surface Elev.	--	feet	☐ Surveyed	☐ Estimated	Datum		
Total Depth Drilled	16 Feet		Hole Diameter	2"			
Prepared By	Wesley Kuhn		Hammer Weight	NA		Hammer Drop	NA ins.
Boring Termination Depth	16'		Water	12.5'		GPS Coordinates	

Sampling Data: NA

Depth	Grab/Composite	Time	QA/QC Samples	Laboratory Analysis
0-0.5'	Grab	1520		VOCs
0.5'-2'	Grab	1525		VOCs
2'-4'	Grab	1535		VOCs
4'-6'	Grab	1540		VOCs
6'-8'	Grab	1545		VOCs

Well Location Sketch:

Soil Characterization:

Sample/Core Depth (Feet bls)		Core Recovery (%)	PID Reading (ppm)	FID Reading	USCS Description/Depth		Sample/Core Description
From	To				From	To	
0.0	0.5	100	3.40		0-0.4'		Asphalt Pad
0.5	2.0	100	1.50				
2.0	4.0	100	1.10		0.4' - 1.5'		Fill: sand and gravel, cinders, medium grained to small cobble, dry, Black
4.0	6.0	40	0.90				(10 YR 2/1)
6.0	8.0	40	0.60				
8.0	10.0	NR	NR		1.5' - 6.5'		Silt and sand, well sorted, trace clay, low to no-plasticity, moist, very soft, Dark
10.0	12.0	NR	NR				Yellowish Brown (10 YR 4/6)
12.0	14.0	75	0.00				
14.0	16.0	75	0.20		6.5' - 16.0'		Sand, some gravel, poorly sorted, medium to large pebble, rounded to angular,
							Yellowish Brown (10 YR 5/4)
							8-10' - no recovery (smashed liner)
							12.5 - Wet, water table
							16.0' - End of bore
							NR - no recovery

Well Construction Details: SEE WELL CONSTRUCTION LOG

Surface Protection	Casing	Seal	Screen	Filter Pack
Type	Diameter	Type	Type	Material
Total Depth	Length	Top Depth	Diameter	Top Depth
	Material	Bottom Depth	Slot Size	Bottom Depth
			Top Depth	
			Bottom Depth	



SOIL CORE / SAMPLING LOG

Boring/Well SB-03-1114 Project/No. IMC/IN000694.2011.00002

Site Location Indianapolis, IN Drilling Date/Time Started 9/8/11 Drilling Date/Time Completed 9/8/11

Drilling Contractor Midway Driller/License# Mark Hicks

Drilling Fluid Used none Drilling Method Direct push

Length and Diameter of Coring Device 4 ft / 2 in Sampling Interval 2 feet

Land-Surface Elev. -- feet ☐ Surveyed ☐ Estimated Datum

Total Depth Drilled 16 Feet Hole Diameter 2" Coring Device

Prepared By Wesley Kuhn Hammer Weight NA Hammer Drop NA ins.

Boring Termination Depth 16' Water 15.5' GPS Coordinates

Sampling Data: NA

Depth	Grab/Composite	Time	QA/QC Samples	Laboratory Analysis
0-0.5'	Grab	915		VOCs
0.5'-2'	Grab	920		VOCs
2'-4'	Grab	925		VOCs
4'-6'	Grab	930		VOCs
6'-8'	Grab	935		VOCs
8'-10'	Grab	940		VOCs
10'-11.5'	Grab	945		VOCs

Well Location Sketch:

Soil Characterization:

Sample/Core Depth (Feet bsl)		Core Recovery (%)	PID Reading (ppm)	FID Reading	USCS Description/Depth From - To	Sample/Core Description
From	To					
0.0	0.5	100	16.6		0-0.3'	Asphalt Pad
0.5	2.0	100	25.8			
2.0	4.0	100	52.0		0.3'-0.9'	Concrete Pad, concrete pieces, gravel and sand
4.0	6.0	75	10.8			
6.0	8.0	75	10.1		0.9'-3'	Fill, sand and gravel, cinders, small cobbles, fine brick pieces
8.0	10.0	75	20.2			Black (10 YR 2/1), moist, Brown (10 YR 4/3), tacky, clay interbedded
10.0	12.0	75	7.1			
12.0	14.0	100	30.6		3'-4'	Sand, some silt, trace clay, well sorted, non-plastic, moist, Dark Yellowish
14.0	16.0	100	28.9			Brown (10 YR 3/6)
					4'-7'	Silt, some sand, trace clay, well sorted, low to non-plastic, moist, tacky, slight odc
						(10 YR 3/3)
					7'-10.2'	Sand, trace silt, well sorted, very fine to fine grained, moist, Yellowish Brown
						(10 YR5/6)
					10.2'-16'	Sand, some gravel, poorly sorted, medium grained to large pebble, rounded to
						angular, moist, Yellowish Brown (10 YR 5/4)
						13.5' - color change Dark Yellowish Brown (10 YR 4/6)
						15.5' Water table, wet
						16'- End of bore

Well Construction Details: SEE WELL CONSTRUCTION LOG

Surface Protection	Casing	Seal	Screen	Filter Pack
Type <u> </u>	Diameter <u> </u>	Type <u> </u>	Type <u> </u>	Material <u> </u>
Total Depth <u> </u>	Length <u> </u>	Top Depth <u> </u>	Diameter <u> </u>	Top Depth <u> </u>
	Material <u> </u>	Bottom Depth <u> </u>	Slot Size <u> </u>	Bottom Depth <u> </u>
			Top Depth <u> </u>	
			Bottom Depth <u> </u>	



SOIL CORE / SAMPLING LOG

Boring/Well SB-03-1115 Project/No. IMC/IN000694.2011.00002

Site Location Indianapolis, IN Drilling Date/Time Started 9/8/11 Drilling Date/Time Completed 9/8/11

Drilling Contractor Midway Driller/License# Mark Hicks

Drilling Fluid Used none Drilling Method Direct push

Length and Diameter of Coring Device 4 ft / 2 in Sampling Interval 2 feet

Land-Surface Elev. -- feet ☐ Surveyed ☐ Estimated Datum _____

Total Depth Drilled 16 Feet Hole Diameter 2" Coring Device _____

Prepared By Wesley Kuhn Hammer Weight NA Hammer Drop NA ins.

Boring Termination Depth 16' Water 15.5' GPS Coordinates _____

Sampling Data: NA

Depth	Grab/Composite	Time	QA/QC Samples	Laboratory Analysis
0-0.5'	Grab	1030		VOCs
0.5'-2'	Grab	1035		VOCs
2'-4'	Grab	1040		VOCs
4'-6'	Grab	1045		VOCs
6'-8'	Grab	1050		VOCs
8'-10'	Grab	1055		VOCs
10'-11.5'	Grab	1100		VOCs

Well Location Sketch:

Soil Characterization:

Sample/Core Depth (Feet bsl) From To		Core Recovery (%)	PID Reading (ppm)	FID Reading	USCS Description/Depth From - To	Sample/Core Description
0.0	0.5	100	2.8		0-0.4'	Asphalt Pad
0.5	2.0	100	30.6			
2.0	4.0	100	96.7		0.4'-5.5'	Fill, sand and gravel, silts, and clays inter-bedded, asphalt pieces, moist,
4.0	6.0	75	124.0			tacky, Black (10 YR 2/1), Brown (10 YR 4/3), glass, brick pieces,
6.0	8.0	75	131.1			moist to wet, slight odor.
8.0	10.0	75	62.1			
10.0	12.0	75	26.3		5.5'-9.5'	Silt, some sand, trace clay, well sorted, non-plastic, friable, moist, very
12.0	14.0	50	18.6			Dark Yellowish Brown (10 YR 3/2)
14.0	16.0	50	33.2			7.5' color change Yellowish Brown (10 YR 5/4), moist to wet,
						increased sand content, tacky, mottled color.
					9.5'-16'	Sand, some gravel, medium to large pebbles, poorly sorted, rounded to angular,
						moist, Yellowish brown (10 YR 5/4)
						15.5' - Wet, water table, color change Yellowish Brown
						(10 YR 5/8)
						16'- End of bore

Well Construction Details: SEE WELL CONSTRUCTION LOG

Surface Protection	Casing	Seal	Screen	Filter Pack
Type _____	Diameter _____	Type _____	Type _____	Material _____
Total Depth _____	Length _____	Top Depth _____	Diameter _____	Top Depth _____
	Material _____	Bottom Depth _____	Slot Size _____	Bottom Depth _____
			Top Depth _____	
			Bottom Depth _____	

SOIL CORE / SAMPLING LOG

Boring/Well	SB-03-1116	Project/No.	IMC/IN000694.2011.00002
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Site Location	Indianapolis, IN	Drilling Date/Time Started	9/9/11	Drilling Date/Time Completed	9/9/11
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Drilling Contractor	Midway	Driller/License#	Mark Hicks
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Drilling Fluid Used	none	Drilling Method	Direct push
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Length and Diameter of Coring Device 4 ft / 2 in Sampling Interval 2 feet

Land-Surface Elev. -- feet ☐ Surveyed ☐ Estimated Datum _____

Total Depth Drilled 12 Feet Hole Diameter 2" Coring Device _____

Prepared		Hammer		Hammer	
By	<u>Wesley Kuhn</u>	Weight	<u>NA</u>	Drop	<u>NA</u> ins.

Boring Termination Depth 12' Water GPS Coordinates

Sampling Data: NA

Depth	Grab/Composite	Time	QA/QC Samples	Laboratory Analysis
0-0.5'	Grab	1210		VOCs
0.5'-2'	Grab	1215		VOCs
2'-4'	Grab	1220	FD-6(090911)-WK	VOCs
4'-6'	Grab	1225	MS/MSD	VOCs
6'-8'	Grab	1230		VOCs
8'-10'	Grab	1235		VOCs

Well Location Sketch:

Soil Characterization:

Sample/Core Depth (Feet bls)		Core Recovery (%)	PID Reading (ppm)	FID Reading	USCS Description/Depth		Sample/Core Description
From	To				From	- To	
0.0	0.5	100	6.0		0-0.5'	Asphalt Pad	
0.5	2.0	100	14.5				
2.0	4.0	100	84.1		0.5'-5.5'	Fill, sand and gravel, poorly sorted, medium grained to very large pebbles, dry,	
4.0	6.0	75	40.7			Brown (10 YR 4/3), trace silts	
6.0	8.0	75	16.1			2' - Color change Black (10 YR 2/1) and Brown (10 YR 4/3),	
8.0	10.0	75	9.1			dry, brick pieces and slag	
10.0	12.0	75	3.6				
					5.5'-7.7'	Silt, little sand, trace clay, well sorted, friable, non-plastic, moist, tacky, soft,	
						very Dark Brown (10 YR 2/2)	
					7.7'-10.5'	Sand and silt, well sorted, very fine to fine grained, moist, Yellowish Brown	
						(10 YR 5/6)	
					10.5'-12'	Sand, some gravel, medium to large pebbles, poorly sorted, rounded to angular,	
						moist, Brown (10 YR 4/3)	
						12'- End of bore	

Well Construction Details: SEE WELL CONSTRUCTION LOG

Surface Protection		Casing		Seal		Screen		Filter Pack	
Type		Diameter		Type		Type		Material	
						Diameter			
Total Depth		Length		Top Depth		Slot Size		Top Depth	
						Top Depth			
		Material		Bottom Depth		Bottom Depth		Bottom Depth	

SOIL CORE / SAMPLING LOG

Boring/Well SB-04-1101 Project/No. IMC/IN694.2011.2

Site		Drilling		Drilling	
Location	Indianapolis, IN	Date/Time Started	9/8/11	Date/Time Completed	9/8/11

Drilling Contractor	Midway	Driller/License#	Mark Hicks
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Drilling Fluid Used	none	Drilling Method	Direct push
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Length and Diameter of Coring Device	4 ft / 2 in	Sampling Interval 2	feet
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Land-Surface Elev. -- feet ☐ Surveyed ☐ Estimated Datum _____

Total Depth Drilled	16	Feet	Hole Diameter	2"	Coring Device
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Prepared		Hammer		Hammer		
By	Wesley Kuhn	Weight	NA	Drop	NA	ins.

Boring Termination Depth	16'	Water	13'	GPS Coordinates	
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Sampling Data: NA

Depth	Grab/Composite	Time	QA/QC Samples	Laboratory Analysis
0-0.5'	Grab	900		BTEX/MTBE, CPAHs
4-6'	Grab	940		BTEX/MTBE, CPAHs
8-9'	Grab	945		BTEX/MTBE, CPAHs

Well Location Sketch:

Soil Characterization:

[illegible]

Well Construction Details: SEE WELL CONSTRUCTION LOG

Surface Protection		Casing		Seal		Screen		Filter Pack	
Type		Diameter		Type		Type		Material	
						Diameter			
Total Depth		Length		Top Depth		Slot Size		Top Depth	
						Top Depth			
		Material		Bottom Depth		Bottom Depth		Bottom Depth	



SOIL CORE / SAMPLING LOG

Boring/Well	SB-05-1101		Project/No.	IMC/TN694.2011.2		
Site Location	Indianapolis, IN		Drilling Date/Time Started	5/18/11	Drilling Date/Time Completed	5/18/11
Drilling Contractor	Midway		Driller/License#	Mark Hicks		
Drilling Fluid Used	none		Drilling Method	Direct push		
Length and Diameter of Coring Device	4 ft / 2 in		Sampling Interval	2	feet	
Land-Surface Elev.	--	feet	☐ Surveyed	☐ Estimated	Datum	
Total Depth Drilled	16	Feet	Hole Diameter	2"	Coring Device	
Prepared By	Wesley Kuhn		Hammer Weight	NA	Hammer Drop	NA ins.
Boring Termination Depth	16		Water	15'	GPS Coordinates	

Sampling Data: NA

Depth	Grab/Composite	Time	QA/QC Samples	Laboratory Analysis
1.5-2'	Grab	1720	FD-2(051811)-WK	VOCs, SVOCs, PCBs, Metals
4-6'	Grab	1725		VOCs, SVOCs, PCBs, Metals
8-10'	Grab	1730		VOCs, SVOCs, PCBs, Metals

Well Location Sketch:

Soil Characterization:

Sample/Core Depth (Feet b/s)		Core Recovery (%)	PID Reading (ppm)	FID Reading	USCS Description/Depth		Sample/Core Description
From	To				From	To	
0.0	2.0	100	1.60	0.63			0-0.9' Concrete pad
2.0	4.0	100	3.00	0.50			
4.0	6.0	25	5.75	0.70			0.9-1.5' Gravel fill, silty sand fill, black
6.0	8.0	25	7.67	1.13			
8.0	10.0	50	9.06	1.17			1.5-4' Sand, fine to very large pebble with gravel, poorly sorted, angular to rounded, yellowish brown (10YR 5/4), moist
10.0	12.0	50	1.50	1.10			
12.0	14.0	75	2.58	2.00			
14.0	16.0	75	2.10	2.77			4-16' Sand and gravel, medium to very large pebble, poorly sorted, angular to rounded, loose, yellowish brown (10YR 5/4), moist
							10.4-10.6' Sand, fine grained, trace pebbles, well sorted
							15' water table
							15.5-16' sand, fine to medium grained, trace gravel, rounded, grayish brown (10YR 5/2)
							16' EOB

Well Construction Details: SEE WELL CONSTRUCTION LOG

Surface Protection	Casing	Seal	Screen	Filter Pack
Type	Diameter	Type	Type	Material
Total Depth	Length	Top Depth	Diameter	Top Depth
	Material	Bottom Depth	Slot Size	Bottom Depth
			Top Depth	
			Bottom Depth	

SOIL CORE / SAMPLING LOG

Boring/Well	SB-05-1102	Project/No.	IMC/IN694.2011.2
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Site Location	Indianapolis, IN	Drilling Date/Time Started	5/19/11	Drilling Date/Time Completed	5/19/11
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Drilling Contractor	Midway	Driller/License#	Mark Hicks
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Drilling Fluid Used	none	Drilling Method	Direct push
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Length and Diameter of Coring Device 4 ft / 2 in Sampling Interval 2 feet

Land-Surface Elev. -- feet ☐ Surveyed ☐ Estimated Datum _____

Total Depth Drilled	16	Feet	Hole Diameter	2"	Coring Device
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Prepared		Hammer		Hammer		
By	Wesley Kuhn	Weight	NA	Drop	NA	ins.

Boring Termination Depth	16'	Water	15'	GPS Coordinates	
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Sampling Data: NA

Depth	Grab/Composite	Time	QA/QC Samples	Laboratory Analysis
1.3-1.8	Grab	1135		
2-4	Grab	1140		
8-10	Grab	1145		

Well Location Sketch:

Soil Characterization:

[illegible]

Well Construction Details: SEE WELL CONSTRUCTION LOG

Surface Protection		Casing		Seal		Screen		Filter Pack	
Type		Diameter		Type		Type		Material	
Total Depth		Length		Top Depth		Diameter		Top Depth	
					Slot Size				
					Top Depth				
		Material		Bottom Depth		Bottom Depth		Bottom Depth	

SOIL CORE / SAMPLING LOG

Boring/Well	SB-05-1103	Project/No.	IMC/IN694.2011.2
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Site Location	Indianapolis, IN	Drilling Date/Time Started	5/18/11	Drilling Date/Time Completed	5/18/11
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Drilling Contractor	Midway	Driller/License#	Mark Hicks
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Drilling Fluid Used	none	Drilling Method	Direct push
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Length and Diameter of Coring Device 4 ft / 2 in Sampling Interval 2 feet

Land-Surface Elev. -- feet ☐ Surveyed ☐ Estimated Datum _____

Total Depth Drilled	16	Feet	Hole Diameter	2"	Coring Device
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Prepared		Hammer		Hammer		
By	Wesley Kuhn	Weight	NA	Drop	NA	ins.

Boring Termination Depth	16'	Water	15'	GPS Coordinates	
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Sampling Data: NA

Depth	Grab/Composite	Time	QA/QC Samples	Laboratory Analysis
1.2-2.7'	Grab	1600		VOCs, SVOCs, PCBs, Metals
4-6'	Grab	1605		VOCs, SVOCs, PCBs, Metals
8-10'	Grab	1610		VOCs, SVOCs, PCBs, Metals

Well Location Sketch:

Soil Characterization:

[illegible]

Well Construction Details: SEE WELL CONSTRUCTION LOG

Surface Protection		Casing		Seal		Screen		Filter Pack	
Type		Diameter		Type		Type		Material	
						Diameter			
Total Depth		Length		Top Depth		Slot Size		Top Depth	
						Top Depth			
		Material		Bottom Depth		Bottom Depth		Bottom Depth	



SOIL CORE / SAMPLING LOG

Boring/Well SB-05-1104 Project/No. IMC/IN694.2011.2Site Location Indianapolis, IN Drilling Date/Time Started 5/19/11 Drilling Date/Time Completed 5/19/11Drilling Contractor Midway Driller/License# Mark HicksDrilling Fluid Used none Drilling Method Direct pushLength and Diameter of Coring Device 4 ft / 2 in Sampling Interval 2 feetLand-Surface Elev. -- feet ☐ Surveyed ☐ Estimated Datum Total Depth Drilled 16 Feet Hole Diameter 2" Coring Device Prepared By Wesley Kuhn Hammer Weight NA Hammer Drop NA ins.Boring Termination Depth 16' Water 14.5' GPS Coordinates

Sampling Data: NA

Depth	Grab/Composite	Time	QA/QC Samples	Laboratory Analysis
1-1.5'	Grab	950		
6-10'	Grab	955		
EB-2(051911)-WK		1000		

Well Location Sketch:

Soil Characterization:

Sample/Core Depth (Feet b/s)		Core Recovery (%)	PID Reading (ppm)	FID Reading	USCS Description/Depth		Sample/Core Description
From	To				From	To	
0.0	2.0	100	1.55	0.25			0-0.7' Concrete pad
2.0	4.0	100	1.50	0.82			
4.0	6.0	75	1.25	0.25			0.7-1' Gravel fill
6.0	8.0	75	1.40	0.32			
8.0	10.0	10	1.25	0.15			1-2.5' Sand, fine grained to large pebble, poorly sorted, brown (10YR 4/3)
10.0	12.0	10	--	--			
12.0	14.0	75	1.40	0.67			2.5-12' Silty sand, med-high plasticity, trace clay, soft, very dark greyish brown
14.0	16.0	75	3.40	1.50			(10YR 3/2)
							5' Color change to 10YR 5/4
							7' Color change to 10YR 3/2, trace small pebbles, grading to clay
							12-16' Sand and gravel, fine to very large pebble, poorly sorted, angular to rounded, yellowish brown (10YR 5/4), moist
							14.3-14.5' Clay lens, high plasticity, soft, moist, brown (10YR 5/3)
							14.5' Water table, color change to brown (10YR 4/3)
							16' EOB

Well Construction Details: SEE WELL CONSTRUCTION LOG

Surface Protection		Casing		Seal		Screen		Filter Pack	
Type		Diameter		Type		Type		Material	
Total Depth		Length		Top Depth		Diameter		Top Depth	
		Material		Bottom Depth		Slot Size			
						Top Depth			
						Bottom Depth		Bottom Depth	

SOIL CORE / SAMPLING LOG

Boring/Well	SB-06-1101	Project/No.	IMC/IN694.2011.2
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Site Location	Indianapolis, IN	Drilling Date/Time Started	5/24/11	Drilling Date/Time Completed	5/24/11
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Drilling Contractor	Midway	Driller/License#	Mark Hicks
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Drilling Fluid Used	none	Drilling Method	Direct push
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Length and Diameter of Coring Device	4 ft / 2 in	Sampling Interval 2	feet
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Land-Surface Elev. -- feet ☐ Surveyed ☐ Estimated Datum _____

Total Depth Drilled 12 Feet Hole Diameter 2" Coring Device _____

Prepared		Hammer		Hammer
By	Wesley Kuhn	Weight	NA	Drop
				NA
				ins.

Boring Termination Depth	12'	Water	11.8'	GPS Coordinates	
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Sampling Data: NA

Depth	Grab/Composite	Time	QA/QC Samples	Laboratory Analysis
0.3-2.3	Grab	950		Lead
4-6	Grab	955	FD-4	Lead, VOC
6-8	Grab	1000		

Well Location Sketch:

Soil Characterization:

[illegible]

Well Construction Details: SEE WELL CONSTRUCTION LOG

Surface Protection		Casing		Seal		Screen		Filter Pack	
Type		Diameter		Type		Type		Material	
						Diameter			
Total Depth		Length		Top Depth		Slot Size		Top Depth	
						Top Depth			
		Material		Bottom Depth		Bottom Depth		Bottom Depth	



Sampling Data: NA

Well Location Sketch:

Soil Characterization:

[illegible]

Well Construction Details: SEE WELL CONSTRUCTION LOG

Surface Protection		Casing		Seal		Screen		Filter Pack	
Type		Diameter		Type		Type		Material	
						Diameter			
Total Depth		Length		Top Depth		Slot Size		Top Depth	
						Top Depth			
		Material		Bottom Depth		Bottom Depth		Bottom Depth	

SOIL CORE / SAMPLING LOG

Boring/Well	SB-07-1102	Project/No.	IMC/IN694.2011.2
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Site Location	Indianapolis, IN	Drilling Date/Time Started	5/24/11	Drilling Date/Time Completed	5/24/11
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Drilling Contractor	Midway	Driller/License#	Mark Hicks
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Drilling Fluid Used	none	Drilling Method	Direct push
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Length and Diameter of Coring Device	4 ft / 2 in	Sampling Interval 2	feet
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Land-Surface Elev. -- feet ☐ Surveyed ☐ Estimated Datum _____

Total Depth Drilled	12	Feet	Hole Diameter	2"	Coring Device
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Prepared		Hammer		Hammer		
By	Wesley Kuhn	Weight	NA	Drop	NA	ins.

Boring Termination Depth	12'	Water	10.5'	GPS Coordinates	
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Sampling Data: NA

Depth	Grab/Composite	Time	QA/QC Samples	Laboratory Analysis
1.2-1.7	Grab	1635		VOC, SVOC, PCB, Metals
2-4	Grab	1640	MS/MSD	VOC, SVOC, PCB, Metals
4-6	Grab	1645		VOC, SVOC, PCB, Metals

Well Location Sketch:

Soil Characterization:

[illegible]

Well Construction Details: SEE WELL CONSTRUCTION LOG

Surface Protection		Casing		Seal		Screen		Filter Pack	
Type		Diameter		Type		Type		Material	
						Diameter			
Total Depth		Length		Top Depth		Slot Size		Top Depth	
						Top Depth			
		Material		Bottom Depth		Bottom Depth		Bottom Depth	



Surface Protection		Casing		Seal		Screen		Filter Pack	
Type		Diameter		Type		Type		Material	
						Diameter			
Total Depth		Length		Top Depth		Slot Size		Top Depth	
						Top Depth			
		Material		Bottom Depth		Bottom Depth		Bottom Depth	



SOIL CORE / SAMPLING LOG

Boring/Well SB-09-1102 Project/No. IMC/TN694.2011.2Site Location Indianapolis, IN Drilling Date/Time Started 5/26/11 Drilling Date/Time Completed 5/26/11Drilling Contractor Midway Driller/License# Mark HicksDrilling Fluid Used none Drilling Method Direct pushLength and Diameter of Coring Device 4 ft / 2 in Sampling Interval 2 feetLand-Surface Elev. -- feet ☐ Surveyed ☐ Estimated Datum Total Depth Drilled 12 Feet Hole Diameter 2" Coring Device Prepared By Wesley Kuhn Hammer Weight NA Hammer Drop NA ins.Boring Termination Depth 12' Water 11.5' GPS Coordinates

Sampling Data: NA

Depth	Grab/Composite	Time	QA/QC Samples	Laboratory Analysis
2-2.5'	Grab	1110	MS/MSD	BTEX/MTBE, Napth. (MSMSD), Lead
6-7.5'	Grab	1115		BTEX/MTBE, Napth, Lead

Well Location Sketch:

Soil Characterization:

Sample/Core Depth (Feet b/s)		Core Recovery (%)	PID Reading (ppm)	FID Reading	USCS Description/Depth		Sample/Core Description
From	To				From	To	
0.0	2.0	100	30.15	2.60			0-1' Concrete Pad
2.0	4.0	100	45.15	2.05			
4.0	6.0	50	25.16	2.43			1-2' Gravel, small pebble to very large pebble (road pack)
6.0	8.0	50	25.52	4.05			
8.0	10.0	50	18.60	3.87			2-2.8' Sand and gravel, coarse to large pebble, poorly sorted, sub-rounded to rounded, loose, dark brown (10YR 3/2)
10.0	12.0	50	9.52	6.02			
							2.8-7' Sand, very fine to fine, well sorted, some silts, brown (10YR 4/3), non-plastic
							4' grading to fine to medium sands
							7-12' Sand and gravel, medium to large pebble, poorly sorted, angular to rounded, yellowish brown (10YR 5/4), moist, trace very large pebble
							11.5' Water table
							12' EOB

Well Construction Details: SEE WELL CONSTRUCTION LOG

Surface Protection		Casing		Seal		Screen		Filter Pack	
Type		Diameter		Type		Type		Material	
Total Depth		Length		Top Depth		Diameter		Top Depth	
		Material		Bottom Depth		Slot Size			
						Top Depth			
						Bottom Depth		Bottom Depth	



SOIL CORE / SAMPLING LOG

Boring/Well SB-10-1101 Project/No. IMC/TN694.2011.2Site Location Indianapolis, IN Drilling Date/Time Started 5/25/11 Drilling Date/Time Completed 5/25/11Drilling Contractor Midway Driller/License# Mark HicksDrilling Fluid Used none Drilling Method Direct pushLength and Diameter of Coring Device 4 ft / 2 in Sampling Interval 2 feetLand-Surface Elev. -- feet ☐ Surveyed ☐ Estimated Datum Total Depth Drilled 16 Feet Hole Diameter 2" Coring Device Prepared By Wesley Kuhn Hammer Weight NA Hammer Drop NA ins.Boring Termination Depth 16' Water 11.6' GPS Coordinates

Sampling Data: NA

Depth	Grab/Composite	Time	QA/QC Samples	Laboratory Analysis
1.5-2'	Grab	1015	FD-5(052511)-WK	BTEX/MTBE (FD), cPAH (FD), Lead
4-6'	Grab	1020		BTEX/MTBE, cPAH, Lead
6-8'	Grab	1025		BTEX/MTBE, cPAH, Lead

Well Location Sketch:

Soil Characterization:

Sample/Core Depth (Feet b/s)		Core Recovery (%)	PID Reading (ppm)	FID Reading	USCS Description/Depth		Sample/Core Description
From	To				From	To	
0.0	2.0	100	550.00	1.47			0-0.9' Concrete pad
2.0	4.0	100	213.00	0.12			
4.0	6.0	50	150.00	1.04			0.9-1.5' Gravel, small pebble to small cobble
6.0	8.0	50	124.00	0.25			
8.0	10.0	50	390.00	1.27			1.5-3.5' Silty sand, no-low plasticity, soft, very dark greyish brown (10YR 3/2), dry
10.0	12.0	50	128.00	0.44			
12.0	14.0	75	175.00	4.44			3.5-7.5' Sand, very fine to fine grained, well-sorted, trace silt, yellowish brown
14.0	16.0	75	110.00	4.58			(10YR 5/4)
							7.5-11.6' Sand and gravel, medium grained to very large pebble, angular to rounded
							poorly sorted, yellowish brown (10YR 5/4), moist
							11.6-14.0' Sand, medium to coarse grained, well-sorted, brown (10YR 5/4), wet
							11.6' Water table
							14-16' Sand and gravel, medium to very large pebble, poorly sorted, brown
							(10YR 5/4), wet
							15.5 grading back to medium to coarse sands, well sorted.
							16' EOB

Well Construction Details: SEE WELL CONSTRUCTION LOG

Surface Protection		Casing		Seal		Screen		Filter Pack	
Type		Diameter		Type		Type		Material	
Total Depth		Length		Top Depth		Diameter		Top Depth	
		Material		Bottom Depth		Slot Size			
						Top Depth			
						Bottom Depth		Bottom Depth	



Well Location Sketch:

[illegible]

Surface Protection		Casing		Seal		Screen		Filter Pack	
Type		Diameter		Type		Type		Material	
						Diameter			
Total Depth		Length		Top Depth		Slot Size		Top Depth	
						Top Depth			
		Material		Bottom Depth		Bottom Depth		Bottom Depth	



SOIL CORE / SAMPLING LOG

Boring/Well SB-11-1101 Project/No. IMC/IN694.2011.2

Site Location Indianapolis, IN Drilling Date/Time Started 5/24/11 Drilling Date/Time Completed 5/24/11

Drilling Contractor Midway Driller/License# Mark Hicks

Drilling Fluid Used none Drilling Method Direct push

Length and Diameter of Coring Device 4 ft / 2 in Sampling Interval 2 feet

Land-Surface Elev. -- feet ☐ Surveyed ☐ Estimated Datum

Total Depth Drilled 16 Feet Hole Diameter 2" Coring Device

Prepared By Wesley Kuhn Hammer Weight NA Hammer Drop NA ins.

Boring Termination Depth 16' Water 12.5' GPS Coordinates

Sampling Data: NA

Depth	Grab/Composite	Time	QA/QC Samples	Laboratory Analysis
1.5-2	Grab	1055		VOCs, BNs, Metals
2-4	Grab	1100		VOCs, BNs, Metals
6-8	Grab	1105		VOCs, BNs, Metals

Well Location Sketch:

Soil Characterization:

Sample/Core Depth (Feet bls)		Core Recovery (%)	PID Reading (ppm)	FID Reading	USCS Description/Depth		Sample/Core Description
From	To				From	To	
0.0	2.0	100	17.32	5.80			0-0.9' Concrete pad
2.0	4.0	100	17.0	3.75			
4.0	6.0	75	7.5	6.41			0.9-1.5' Gravel, road pack, very large pebble
6.0	8.0	75	8.95	2.24			
8.0	10.0	75	9.95	4.13			1.5-3.5' Fill, sand, cinders, small pebbles, black (10YR 2/1), slag, brick
10.0	12.0	75	8.86	5.80			
12.0	14.0	75	6.52	5.15			3.5-4.2' Sand and gravel, poorly sorted, medium to large pebble, yellowish brown (10YR 5/6)
14.0	16.0	75	5.75	5.90			
							4.2-7.5' Silty sand, low to medium plasticity, trace clay, soft, dark greyish brown (10YR 4/2)
							6' color change to brown (10YR 4/3)
							7.5-10' Sand, fine to medium grained, well sorted, strong brown (10YR 5/8)
							9' color change to yellowish brown (10YR 5/4)
							10-16' Sand and gravel, medium grained to very large pebble, poorly sorted, angular to rounded, yellowish brown (10YR 5/4), moist WT @ 12.5
							15' color change to yellowish brown (10YR 5/8), grading to medium to coarse sand, trace large pebbles
							16' EOB

Well Construction Details: SEE WELL CONSTRUCTION LOG

Surface Protection		Casing		Seal		Screen		Filter Pack	
Type		Diameter		Type		Type		Material	
Total Depth		Length		Top Depth		Diameter		Top Depth	
		Material		Bottom Depth		Slot Size		Bottom Depth	
						Top Depth			
						Bottom Depth			



SOIL CORE / SAMPLING LOG

Boring/Well	SB-11-1102		Project/No.	IMC/IN694.2011.2			
Site Location	Indianapolis, IN		Drilling Date/Time Started	9/6/11	Drilling Date/Time Completed	9/6/11	
Drilling Contractor	Midway		Driller/License#	Mark Hicks			
Drilling Fluid Used	none		Drilling Method	Direct push			
Length and Diameter of Coring Device	4 ft / 2 in		Sampling Interval	2 feet			
Land-Surface Elev.	--	feet	☐ Surveyed	☐ Estimated	Datum		
Total Depth Drilled	12 Feet		Hole Diameter	2"			
Prepared By	Wesley Kuhn		Hammer Weight	NA		Hammer Drop	NA ins.
Boring Termination Depth	12'		Water	10.5'		GPS Coordinates	

Sampling Data: NA

Depth	Grab/Composite	Time	QA/QC Samples	Laboratory Analysis
0-0.5'	Grab	1610		VOCs
0.5'-2'	Grab	1615		VOCs
2'-4'	Grab	1620		VOCs
4'-6'	Grab	1625		VOCs
6'-7'	Grab	1635	MS/MSD	VOCs

Well Location Sketch:

Soil Characterization:

Sample/Core Depth (Feet bls)		Core Recovery (%)	PID Reading (ppm)	FID Reading	USCS Description/Depth		Sample/Core Description
From	To				From	To	
0.0	0.5	100	1.20		0-0.6'		Concrete Pad
0.5	2.0	100	1.10				
2.0	4.0	100	1.00		0.6' - 1.8'		Sand and gravel, poorly sorted, coarse to very large pebble, moist, angular to sub-rounded, Grayish Brown (10 YR 5/2), loose
4.0	6.0	50	0.80				
6.0	8.0	50	1.20				
8.0	10.0	60	0.20		1.8' - 4.0'		Fill: Cinders, gravel, slag, brick fragments, Black (10 YR 2/1), moist
10.0	12.0	60	1.90				
					4.0' - 6.8'		Silt, some clay, low to medium plasticity, very soft, moist Very Dark Grayish Brown (10 YR 3/2)
					6.8' - 12.0'		Sand, trace silts, well sorted, very fine to fine grained, moist, Yellowish Brown (10 YR 5/4)
							10.5' - water table
							11' - Increasing gravels, poorly sorted, coarse to small pebble, Wet, Color change, Grayish Brown (10 YR 5/2)
							12' - End of bore

Well Construction Details: SEE WELL CONSTRUCTION LOG

Surface Protection		Casing		Seal		Screen		Filter Pack	
Type		Diameter		Type		Type		Material	
Total Depth		Length		Top Depth		Diameter		Top Depth	
		Material		Bottom Depth		Slot Size			
						Top Depth			
						Bottom Depth		Bottom Depth	

SOIL CORE / SAMPLING LOG

Boring/Well	SB-11-1103	Project/No.	IMC/IN694.2011.2
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Site		Drilling		Drilling	
Location	Indianapolis, IN	Date/Time Started	9/7/11	Date/Time Completed	9/7/11

Drilling Contractor	Midway	Driller/License#	Mark Hicks
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Drilling Fluid Used	none	Drilling Method	Direct push
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Length and Diameter of Coring Device	4 ft / 2 in	Sampling Interval 2	feet
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Land-Surface Elev. -- feet ☐ Surveyed ☐ Estimated Datum _____

Total Depth Drilled	8	Feet	Hole Diameter	2"	Coring Device
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Prepared		Hammer		Hammer		
By	Wesley Kuhn	Weight	NA	Drop	NA	ins.

Boring Termination Depth 8' Water GPS Coordinates

Sampling Data: NA

Depth	Grab/Composite	Time	QA/QC Samples	Laboratory Analysis
4-6'	Grab	930		VOCs

Well Location Sketch:

Soil Characterization:

Sample/Core Depth (Feet bls)		Core Recovery (%)	PID Reading (ppm)	FID Reading	USCS Description/Depth		Sample/Core Description
From	To					From - To	
0.0	0.5	100	9.70			0-0.85'	Concrete Pad
0.5	2.0	100	15.30				
2.0	4.0	100	14.30			0.85'-4.0'	Fill: Gravel, sand, small cobble, Light Brownish Gray (10 YR 6/2)
4.0	6.0	75	8.30				
6.0	8.0	75	2.30				1.8' - Fill: Black (10 YR 2/1), cinders, slag, brick pieces, moist, gravel
							3.5' - Color change Dark Yellowish Brown (10 YR 3/6)
							increasing sand content
						4.0'-7.2'	Silt and sand, low to non-plasticity, soft to very soft, Dark Yellowish Brown
							(10 YR 4/4), trace clay, moist
						7.2'-8.0'	Sand, some silt, well sorted, very fine to fine grained, moist, Yellowish Brown
							(10 YR 5/8)
							8.0' - End of bore

Well Construction Details: SEE WELL CONSTRUCTION LOG

Surface Protection		Casing		Seal		Screen		Filter Pack	
Type		Diameter		Type		Type		Material	
						Diameter			
Total Depth		Length		Top Depth		Slot Size		Top Depth	
						Top Depth			
		Material		Bottom Depth		Bottom Depth		Bottom Depth	



SOIL CORE / SAMPLING LOG

Boring/Well	SB-11-1104		Project/No.	IMC/IN694.2011.2			
Site Location	Indianapolis, IN		Drilling Date/Time Started	9/7/11	Drilling Date/Time Completed	9/7/11	
Drilling Contractor	Midway		Driller/License#	Mark Hicks			
Drilling Fluid Used	none		Drilling Method	Direct push			
Length and Diameter of Coring Device	4 ft / 2 in		Sampling Interval	2 feet			
Land-Surface Elev.	--	feet	☐ Surveyed	☐ Estimated	Datum		
Total Depth Drilled	12 Feet		Hole Diameter	2"			
Prepared By	Wesley Kuhn		Hammer Weight	NA		Hammer Drop	NA ins.
Boring Termination Depth	12'		Water	10.6'		GPS Coordinates	

Sampling Data: NA

Depth	Grab/Composite	Time	QA/QC Samples	Laboratory Analysis
0-0.5'	Grab	7:50		VOCs
0.5'-2'	Grab	7:55		VOCs
2'-4'	Grab	8:00		VOCs
4'-6'	Grab	8:05		VOCs
6'-7'	Grab	8:10	FD-3(090711)-WK	VOCs

Well Location Sketch:

Soil Characterization:

Sample/Core Depth (Feet bls)		Core Recovery (%)	PID Reading (ppm)	FID Reading	USCS Description/Depth		Sample/Core Description
From	To				From	To	
0.0	0.5	100	1.30		0-0.7'		Concrete Pad
0.5	2.0	100	2.40				
2.0	4.0	100	3.10		0.7'-4.5'		Sand and gravel, poorly sorted, medium grained to very large pebble, angular
4.0	6.0	75	67.10				to sub-rounded, Dark Yellowish Brown (10 YR 4/4), moist
6.0	8.0	75	3.20				1.8' - Color change, Dark Grayish Brown (10 YR 9/2)
8.0	10.0	75	1.90				2.5' - Fill: Slag, Cinders, Black (10 YR 2/1), moist
10.0	12.0	75	2.20				4.0' - Increased clay content, tacky, high plasticity, Black (10 YR 2/1)
					4.5'-6.5'		Silt and sand, low to non-plasticity, very soft, Strong Brown (7.5 YR 5/8)
							trace clay
					6.5'-10.6'		Sand, some silt, well sorted, very fine to fine grained, moist, Yellowish Brown
							(10 YR 5/4)
							7.5' - Trace clay
					10.6'-12.0'		Sand, some gravel, poorly sorted, coarse grained to small pebble, sub-rounded
							to angular, Brown (10 YR 5/3), wet
							10.6' - Wet, water table
							12.0' - End of bore

Well Construction Details: SEE WELL CONSTRUCTION LOG

Surface Protection		Casing		Seal		Screen		Filter Pack	
Type		Diameter		Type		Type		Material	
Total Depth		Length		Top Depth		Diameter		Top Depth	
		Material		Bottom Depth		Slot Size			
						Top Depth			
						Bottom Depth		Bottom Depth	

SOIL CORE / SAMPLING LOG

Boring/Well SB-15-1101 Project/No. IMC/IN694.2011.2

Site Location	Indianapolis, IN	Drilling Date/Time Started	5/24/11	Drilling Date/Time Completed	5/24/11
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Drilling Contractor	Midway	Driller/License#	Mark Hicks
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Drilling Fluid Used	none	Drilling Method	Direct push
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Length and Diameter of Coring Device 4 ft / 2 in Sampling Interval 2 feet

Land-Surface Elev. -- feet ☐ Surveyed ☐ Estimated Datum _____

Total Depth Drilled	16	Feet	Hole Diameter	2"	Coring Device
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Prepared		Hammer		Hammer		
By	Wesley Kuhn	Weight	NA	Drop	NA	ins.

Boring Termination Depth 16' Water 15' GPS Coordinates

Sampling Data: NA

Depth	Grab/Composite	Time	QA/QC Samples	Laboratory Analysis
4-6	Grab	1355		VOC, SVOC
6-8	Grab	1400		VOC, SVOC
8-10	Grab	1405		VOC, SVOC

Well Location Sketch:

Soil Characterization:

[illegible]

Well Construction Details: SEE WELL CONSTRUCTION LOG

Surface Protection		Casing		Seal		Screen		Filter Pack	
Type		Diameter		Type		Type		Material	
Total Depth		Length		Top Depth		Diameter		Top Depth	
					Slot Size				
					Top Depth				
		Material		Bottom Depth		Bottom Depth		Bottom Depth	

SOIL CORE / SAMPLING LOG

Boring/Well SB-18-1101 Project/No. IMC/IN694.2011.2

Site Location	Indianapolis, IN	Drilling Date/Time Started	5/27/11	Drilling Date/Time Completed	5/27/11
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Drilling Contractor	Midway	Driller/License#	Mark Hicks
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Drilling Fluid Used	none	Drilling Method	Hand Auger
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Length and Diameter of Coring Device	Hand Auger / 2 in	Sampling Interval 2	feet
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Land-Surface Elev. -- feet ☐ Surveyed ☐ Estimated Datum

Total Depth Drilled	9'	Feet	Hole Diameter	2"	Coring Device
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Prepared		Hammer		Hammer	
By	Wesley Kuhn	Weight	NA	Drop	NA
					ins.

Boring Termination Depth	9'	Water	GPS Coordinates
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Sampling Data: NA

Depth	Grab/Composite	Time	QA/QC Samples	Laboratory Analysis
0.6-1.1'	Grab	930	MS/MSD	Metals (Total and hexavalent Cr), PH
8-9'	Grab	1110	FD-8(052711)-WK	Metals (Total and hexavalent Cr), PH
EB-7(052711)-WK		1120		

Soil Characterization:

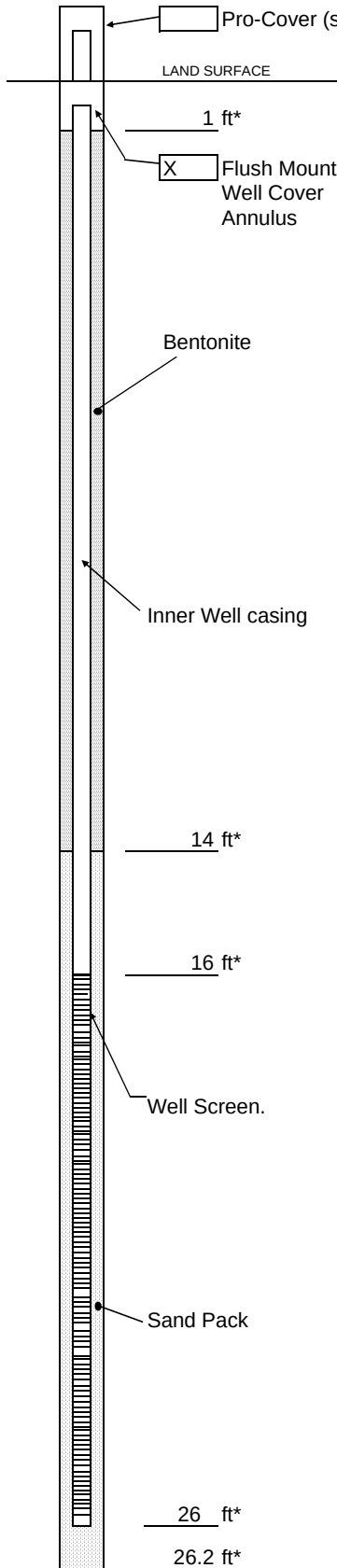
[illegible]

Well Construction Details: SEE WELL CONSTRUCTION LOG

<u>FOR COMPLETION BEFORE USE THIS SURVEILLANCE BOX</u>					
Surface Protection		Casing	Seal	Screen	Filter Pack
Type _____	Diameter _____	Type _____	Type _____	Type _____	Material _____
Total Depth _____	Length _____	Top Depth _____	Slot Size _____	Top Depth _____	Top Depth _____
	Material _____	Bottom Depth _____	Bottom Depth _____	Bottom Depth _____	Bottom Depth _____



WELL CONSTRUCTION LOG



Project: IMC Well ID: MW-1101

City: Indianapolis

County: Marion State: IN

Land-Surface Elevation and Datum:

694.19 TOC feet (above MSL) ☒ Surveyed

☐ Estimated

Installation Date(s) 5/17/2011

Drilling Contractor Midway

Driller/License # JR Toddish # 1946

Drilling Method Hollow Stem Auger

Drilling Fluid none

Measurement Point (M.P.): Top of Casing

Development Technique(s) and Date(s)

whale pump, 5/17

Static Depth to Water 18 feet below M.P.

Water Removed During Development gallons

Pumping Duration hours

Well Purpose Monitoring

Depth To Bottom (Post Development) 25.47 ft. below M.P.

Screen:

Type PVC

Diameter 2"

Slot Size 10 slot

Joint Type thread

Top Blank

Bottom Blank

Total Screen 10'

Total Length 10'

Inner Well Casing:

Type PVC

Diameter 2"

Joint Type Thread

Total Length 26.2'

Filter (Sand) Pack:

Type: Sand

Size: #5

Bentonite Seal:

Type: hydrated chip

Size: medium

Guard Pipe:

Type

Diameter

Total Length

(If applicable)

Final Measurements:

Depth To Bottom: 25.47 ft. below M.P.

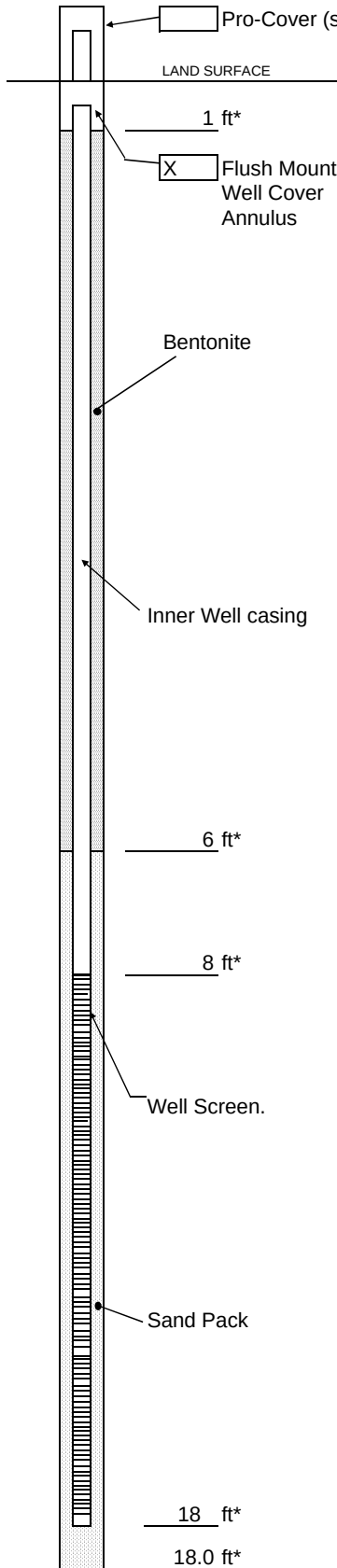
Prepared by: Wesley Kuhn

* Depth Below Land Surface

Note: Measuring Point (M.P.) is Top of Casing (TOC) unless noted otherwise.



WELL CONSTRUCTION LOG



Project: IMC Well ID: MW-1102

City: Indianapolis

County: Marion State: IN

Land-Surface Elevation and Datum:

684.06 TOC feet (above MSL) ☒ Surveyed

☐ Estimated

Installation Date(s) 5/16/2011

Drilling Contractor Midway

Driller/License # JR Toddish # 1946

Drilling Method Hollow Stem Auger

Drilling Fluid none

Measurement Point (M.P.): Top of Casing

Development Technique(s) and Date(s)

whale pump, 5/16

Static Depth to Water 11 feet below M.P.

Water Removed During Development gallons

Pumping Duration hours

Well Purpose Monitoring

Depth To Bottom (Post Development) 17.45 ft. below M.P.

Screen:

Type PVC

Diameter 2"

Slot Size 10 slot

Joint Type thread

Top Blank

Bottom Blank

Total Screen 10'

Total Length 10'

Inner Well Casing:

Type PVC

Diameter 2"

Joint Type Thread

Total Length 17.45

Filter (Sand) Pack:

Type: Sand

Size: #5

Bentonite Seal:

Type: hydrated chip

Size:

Guard Pipe:

Type

Diameter

Total Length

(If applicable)

Final Measurements:

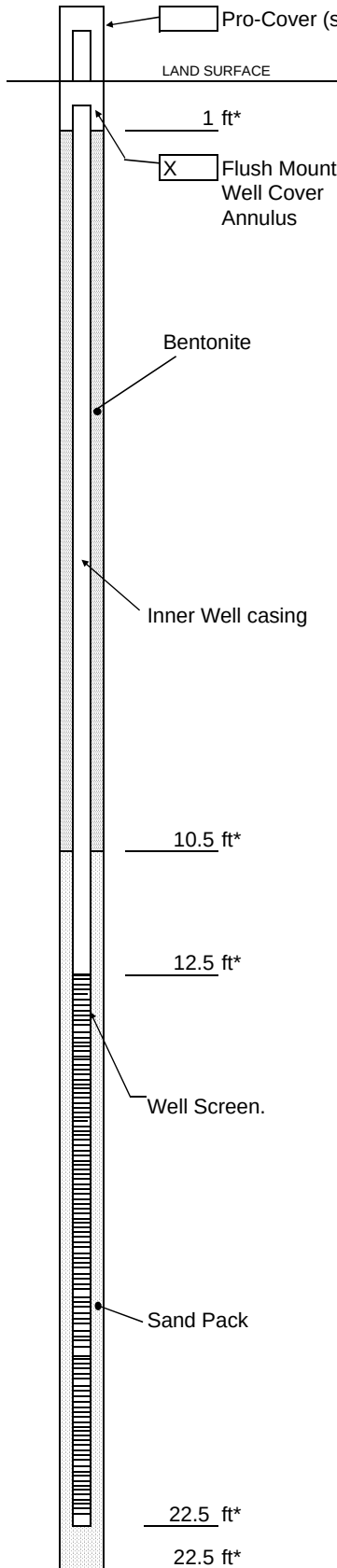
Depth To Bottom: 17.45 ft. below M.P.

Prepared by: Tom Kolb

* Depth Below Land Surface

Note: Measuring Point (M.P.) is Top of Casing (TOC) unless noted otherwise.

WELL CONSTRUCTION LOG



Project: IMC Well ID: MW-1103

City: Indianapolis

County: Marion State: IN

Land-Surface Elevation and Datum:

686.19 TOC feet (above MSL) ☒ Surveyed

☐ Estimated

Installation Date(s) 5/17/2011

Drilling Contractor Midway

Driller/License # JR Toddish # 1946

Drilling Method Hollow Stem Auger

Drilling Fluid none

Measurement Point (M.P.): Top of Casing

Development Technique(s) and Date(s)

whale pump, 5/17

Static Depth to Water 16 feet below M.P.

Water Removed During Development gallons

Pumping Duration hours

Well Purpose Monitoring

Depth To Bottom (Post Development) 22.2 ft. below M.P.

Screen:

Type PVC

Diameter 2"

Slot Size 10 slot

Joint Type thread

Top Blank

Bottom Blank

Total Screen 10'

Total Length 10'

Inner Well Casing:

Type PVC

Diameter 2"

Joint Type Thread

Total Length 22.2

Filter (Sand) Pack:

Type: Sand

Size: #5

Bentonite Seal:

Type: hydrated chip

Size: medium

Guard Pipe:

Type

Diameter

Total Length

(If applicable)

Final Measurements:

Depth To Bottom: 22.2 ft. below M.P.

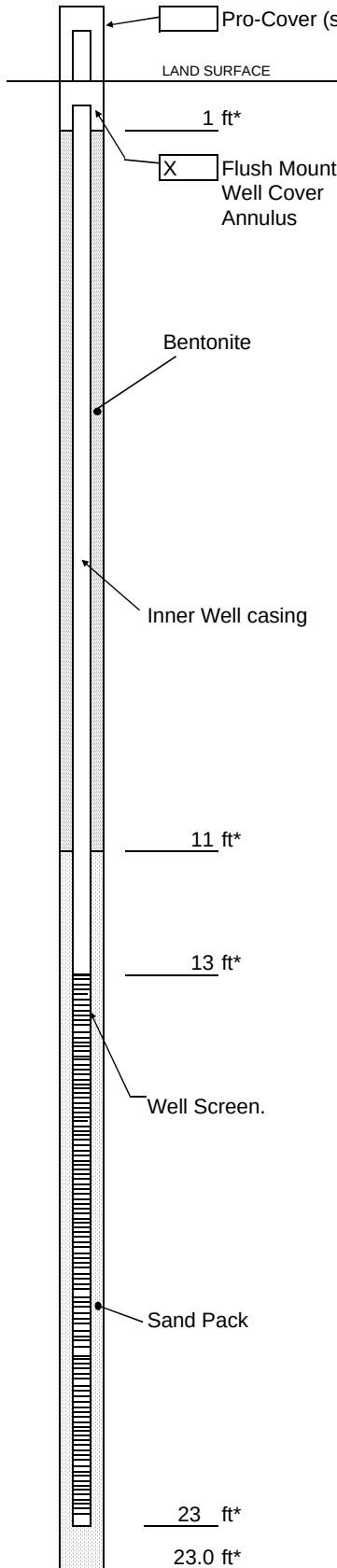
Prepared by: Tom Kolb

* Depth Below Land Surface

Note: Measuring Point (M.P.) is Top of Casing (TOC) unless noted otherwise.



WELL CONSTRUCTION LOG



Project: IMC Well ID: MW-1104

City: Indianapolis

County: Marion State: IN

Land-Surface Elevation and Datum:

688.45 TOC feet (above MSL) ☒ Surveyed

☐ Estimated

Installation Date(s) 5/16/2011

Drilling Contractor Midway

Driller/License # JR Toddish # 1946

Drilling Method Hollow Stem Auger

Drilling Fluid none

Measurement Point (M.P.): Top of Casing

Development Technique(s) and Date(s)

whale pump, 5/16

Static Depth to Water 16 feet below M.P.

Water Removed During Development gallons

Pumping Duration hours

Well Purpose Monitoring

Depth To Bottom (Post Development) 22.57 ft. below M.P.

Screen:

Type PVC

Diameter 2"

Slot Size 10 slot

Joint Type thread

Top Blank

Bottom Blank

Total Screen 10'

Total Length 10'

Inner Well Casing:

Type PVC

Diameter 2"

Joint Type Thread

Total Length 22.57

Filter (Sand) Pack:

Type: Sand

Size: #5

Bentonite Seal:

Type: hydrated chip

Size: medium

Guard Pipe:

Type

Diameter

Total Length

(If applicable)

Final Measurements:

Depth To Bottom: 22.57 ft. below M.P.

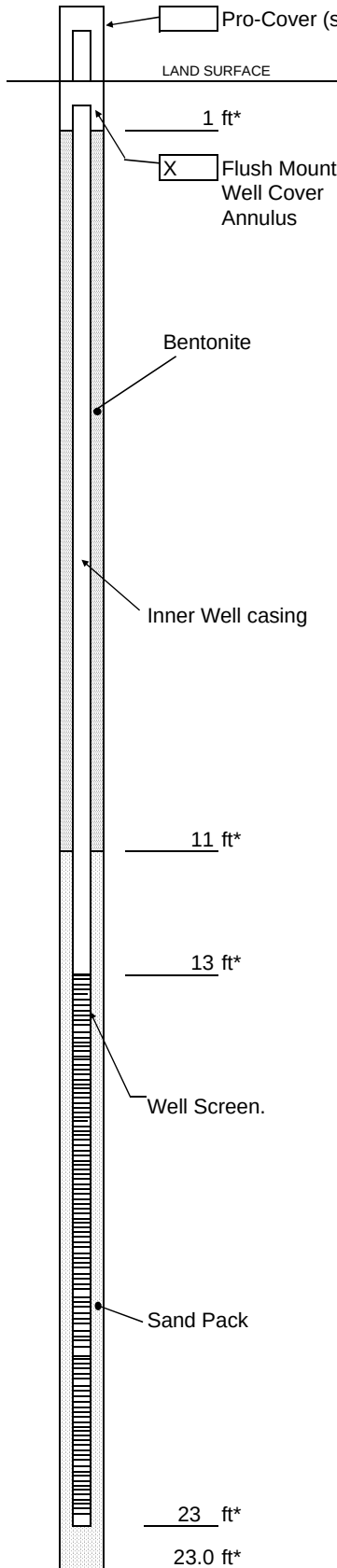
Prepared by: Tom Kolb

* Depth Below Land Surface

Note: Measuring Point (M.P.) is Top of Casing (TOC) unless noted otherwise.



WELL CONSTRUCTION LOG



Project: IMC Well ID: MW-1105

City: Indianapolis

County: Marion State: IN

Land-Surface Elevation and Datum:

686.94 TOC feet (above MSL) ☒ Surveyed

☐ Estimated

Installation Date(s) 5/16/2011

Drilling Contractor Midway

Driller/License # JR Toddish # 1946

Drilling Method Hollow Stem Auger

Drilling Fluid none

Measurement Point (M.P.): Top of Casing

Development Technique(s) and Date(s)

whale pump, 5/16

Static Depth to Water 16 feet below M.P.

Water Removed During Development gallons

Pumping Duration hours

Well Purpose Monitoring

Depth To Bottom (Post Development) 22.55 ft. below M.P.

Screen:

Type PVC

Diameter 2"

Slot Size 10 slot

Joint Type thread

Top Blank

Bottom Blank

Total Screen 10'

Total Length 10'

Inner Well Casing:

Type PVC

Diameter 2"

Joint Type Thread

Total Length 22.55

Filter (Sand) Pack:

Type: Sand

Size: #5

Bentonite Seal:

Type: hydrated chip

Size: medium

Guard Pipe:

Type

Diameter

Total Length

(If applicable)

Final Measurements:

Depth To Bottom: 22.55 ft. below M.P.

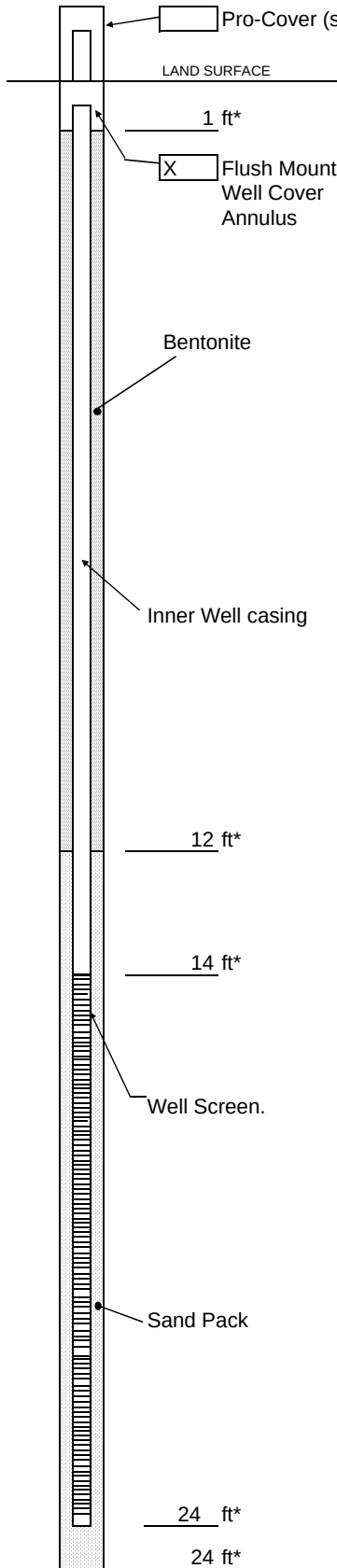
Prepared by: Tom Kolb

* Depth Below Land Surface

Note: Measuring Point (M.P.) is Top of Casing (TOC) unless noted otherwise.



WELL CONSTRUCTION LOG



Project: IMC Well ID: MW-1106

City: Indianapolis

County: Marion State: IN

Land-Surface Elevation and Datum:

694.68 TOC feet (above MSL) ☒ Surveyed

☐ Estimated

Installation Date(s) 5/25/2011

Drilling Contractor Midway

Driller/License # JR Toddish 1946

Drilling Method Hollow Stem Auger

Drilling Fluid none

Measurement Point (M.P.): Top of Casing

Development Technique(s) and Date(s)

whale pump, 5/25

Static Depth to Water 17 feet below M.P.

Water Removed During Development 22 gallons

Pumping Duration 0.2 hours

Well Purpose Monitoring

Depth To Bottom (Post Development) 23.68 ft. below M.P.

Screen:

Type PVC

Diameter 2"

Slot Size 0.01

Joint Type thread

Top Blank

Bottom Blank

Total Screen 10'

Total Length 10'

Inner Well Casing:

Type PVC

Diameter 2"

Joint Type Thread

Total Length 23.68

Filter (Sand) Pack:

Type: Sand

Size: #5

Bentonite Seal:

Type: hydrated chip

Size: medium

Guard Pipe:

Type

Diameter

Total Length

(If applicable)

Final Measurements:

Depth To Bottom 23.68 ft. below M.P.

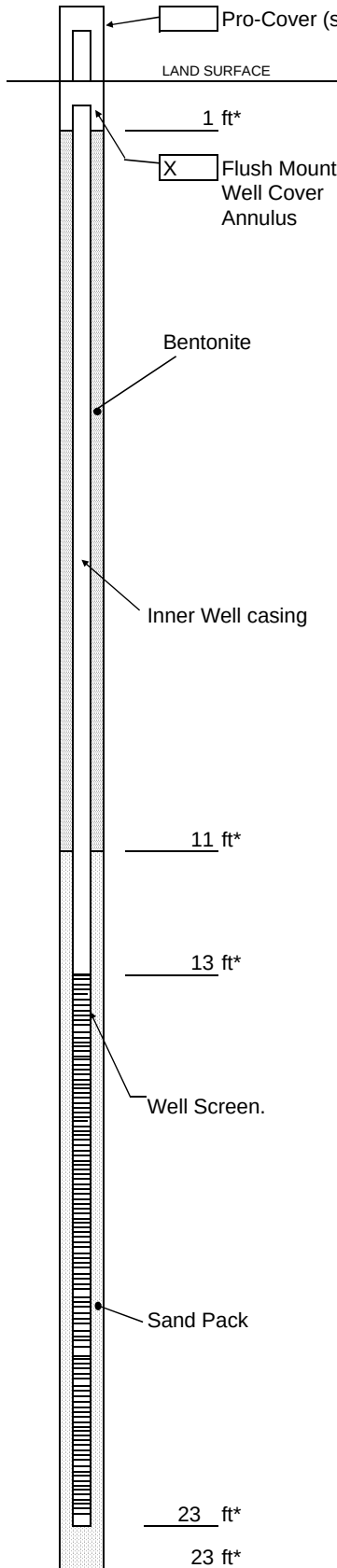
Prepared by: Emily Gercke

* Depth Below Land Surface

Note: Measuring Point (M.P.) is Top of Casing (TOC) unless noted otherwise.



WELL CONSTRUCTION LOG



Project: IMC Well ID: MW-1107

City: Indianapolis

County: Marion State: IN

Land-Surface Elevation and Datum:

690.38 TOC feet (below MSL) ☒ Surveyed

☐ Estimated

Installation Date(s) 5/25/2011

Drilling Contractor Midway

Driller/License # JR Toddish 1946

Drilling Method Hollow Stem Auger

Drilling Fluid none

Measurement Point (M.P.): Top of Casing

Development Technique(s) and Date(s)

whale pump, 5/25

**used more sand and bentonite than normal- filling voids?

Static Depth to Water 16 feet below M.P.

Water Removed During Development 20 gallons

Pumping Duration 0.2 hours

Well Purpose Monitoring

Depth To Bottom (Post Development) 22.52 ft. below M.P.

Screen:

Type PVC

Diameter 2"

Slot Size 0.01

Joint Type thread

Top Blank

Bottom Blank

Total Screen 10'

Total Length 10'

Inner Well Casing:

Type PVC

Diameter 2"

Joint Type Thread

Total Length 22.52

Filter (Sand) Pack:

Type: Sand

Size: #5

Bentonite Seal:

Type: hydrated chip

Size: medium

Guard Pipe:

Type

Diameter

Total Length

(If applicable)

Final Measurements:

Depth To Bottom 22.52 ft. below M.P.

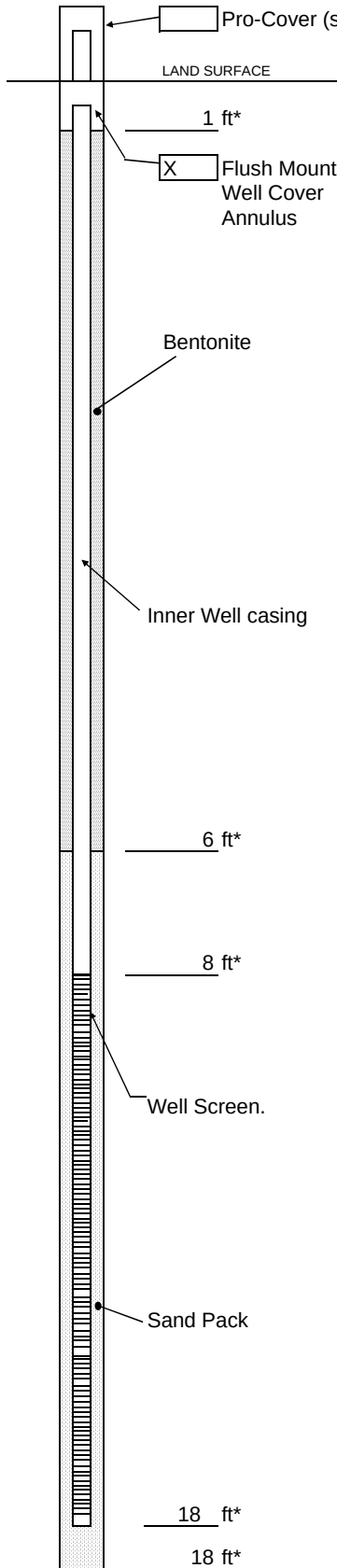
Prepared by: Emily Gercke

* Depth Below Land Surface

Note: Measuring Point (M.P.) is Top of Casing (TOC) unless noted otherwise.



WELL CONSTRUCTION LOG



Project: IMC Well ID: MW-1108

City: Indianapolis

County: Marion State: IN

Land-Surface Elevation and Datum:

684.70 TOC feet (below MSL) ☒ Surveyed

☐ Estimated

Installation Date(s) 5/25/2011

Drilling Contractor Midway

Driller/License # JR Toddish 1946

Drilling Method Hollow Stem Auger

Drilling Fluid none

Measurement Point (M.P.): Top of Casing

Development Technique(s) and Date(s)

whale pump, 5/25

Static Depth to Water 11 feet below M.P.

Water Removed During Development 22 gallons

Pumping Duration 0.2 hours

Well Purpose Monitoring

Depth To Bottom (Post Development) 17.45 ft. below M.P.

Screen:

Type PVC

Diameter 2"

Slot Size 0.01

Joint Type thread

Top Blank

Bottom Blank

Total Screen 10'

Total Length 10'

Inner Well Casing:

Type PVC

Diameter 2"

Joint Type Thread

Total Length 26.2'

Filter (Sand) Pack:

Type: Sand

Size: #5

Bentonite Seal:

Type: hydrated chip

Size: medium

Guard Pipe:

Type

Diameter

Total Length

(If applicable)

Final Measurements:

Depth To Bottom 17.45 ft. below M.P.

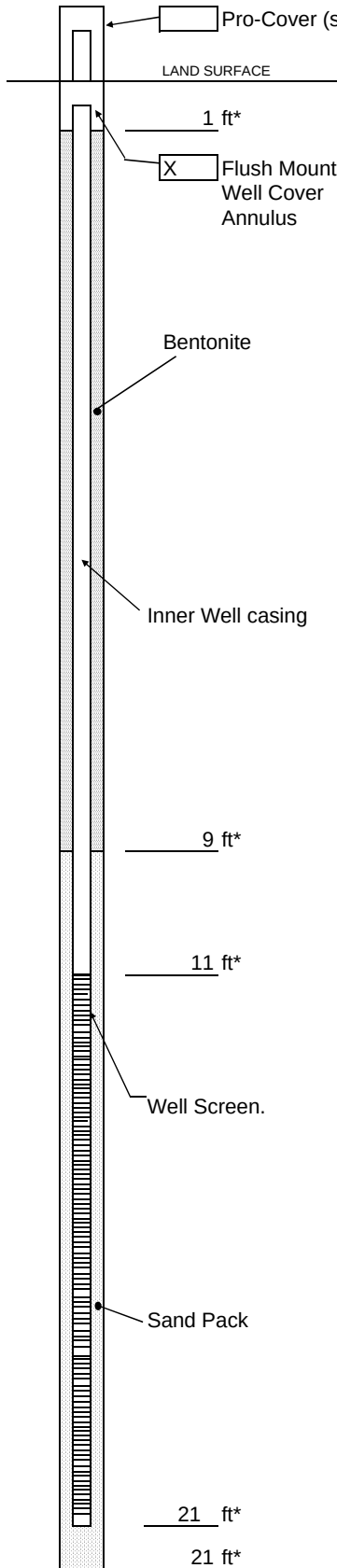
Prepared by: Emily Gerke

* Depth Below Land Surface

Note: Measuring Point (M.P.) is Top of Casing (TOC) unless noted otherwise.



WELL CONSTRUCTION LOG



Project: IMC Well ID: MW-1109

City: Indianapolis

County: Marion State: IN

Land-Surface Elevation and Datum:

685.29 TOC feet (below MSL) ☒ Surveyed

☐ Estimated

Installation Date(s) 5/16/2011

Drilling Contractor Midway

Driller/License # JR Toddish 1946

Drilling Method Hollow Stem Auger

Drilling Fluid none

Measurement Point (M.P.): Top of Casing

Development Technique(s) and Date(s)

whale pump, 5/16

Static Depth to Water 14 feet below M.P.

Water Removed During Development 22 gallons

Pumping Duration 0.2 hours

Well Purpose Monitoring

Depth To Bottom (Post Development) 20.6 ft. below M.P.

Screen:

Type PVC

Diameter 2"

Slot Size 0.01

Joint Type thread

Top Blank

Bottom Blank

Total Screen 10'

Total Length 10'

Inner Well Casing:

Type PVC

Diameter 2"

Joint Type Thread

Total Length 20.6

Filter (Sand) Pack:

Type: Sand

Size: #5

Bentonite Seal:

Type: hydrated chip

Size: medium

Guard Pipe:

Type

Diameter

Total Length

(If applicable)

Final Measurements:

Depth To Bottom 20.6 ft. below M.P.

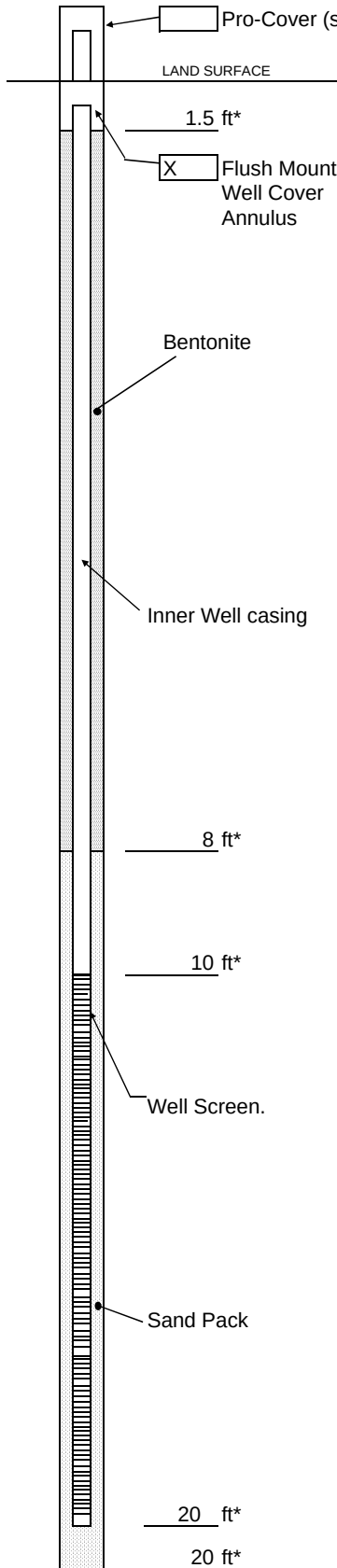
Prepared by: Tom Kolb

* Depth Below Land Surface

Note: Measuring Point (M.P.) is Top of Casing (TOC) unless noted otherwise.



WELL CONSTRUCTION LOG



Project: IMC Well ID: MW-1110

City: Indianapolis

County: Marion State: IN

Land-Surface Elevation and Datum:

684.64 TOC feet (below MSL) ☒ Surveyed

☐ Estimated

Installation Date(s) 5/25/2011

Drilling Contractor Midway

Driller/License # JR Toddish 1946

Drilling Method Hollow Stem Auger

Drilling Fluid none

Measurement Point (M.P.): Top of Casing

Development Technique(s) and Date(s)

whale pump, 5/25

Static Depth to Water 13 feet below M.P.

Water Removed During Development 22 gallons

Pumping Duration 0.2 hours

Well Purpose Monitoring

Depth To Bottom (Post Development) 19.52 ft. below M.P.

Screen:

Type PVC

Diameter 2"

Slot Size 0.01

Joint Type thread

Top Blank

Bottom Blank

Total Screen 10'

Total Length 10'

Inner Well Casing:

Type PVC

Diameter 2"

Joint Type Thread

Total Length 19.52

Filter (Sand) Pack:

Type: Sand

Size: #5

Bentonite Seal:

Type: hydrated chip

Size: medium

Guard Pipe:

Type

Diameter

Total Length

(If applicable)

Final Measurements:

Depth To Bottom 19.52 ft. below M.P.

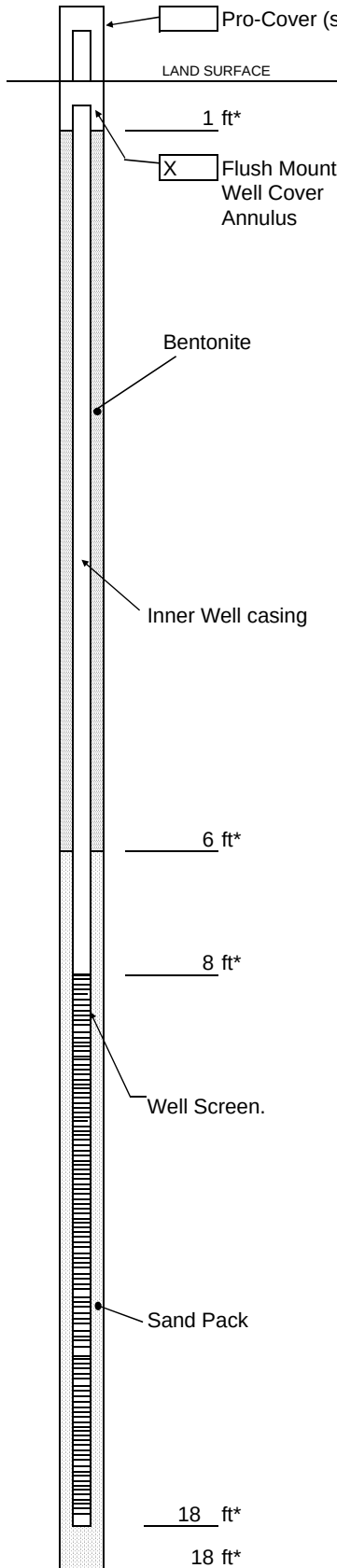
Prepared by: Emily Gercke

* Depth Below Land Surface

Note: Measuring Point (M.P.) is Top of Casing (TOC) unless noted otherwise.



WELL CONSTRUCTION LOG



Project: IMC Well ID: MW-1111

City: Indianapolis

County: Marion State: IN

Land-Surface Elevation and Datum:

685.15 TOC feet (below MSL) ☒ Surveyed

☐ Estimated

Installation Date(s) 5/25/2011

Drilling Contractor Midway

Driller/License # JR Toddish 1946

Drilling Method Hollow Stem Auger

Drilling Fluid none

Measurement Point (M.P.): Top of Casing

Development Technique(s) and Date(s)

whale pump, 5/25

**water table at 7' after installation- potentially submerged screen

Static Depth to Water 11 feet below M.P.

Water Removed During Development 22 gallons

Pumping Duration 0.2 hours

Well Purpose Monitoring

Depth To Bottom (Post Development) 17.41 ft. below M.P.

Screen:

Type PVC

Diameter 2"

Slot Size 0.01

Joint Type thread

Top Blank

Bottom Blank

Total Screen 10'

Total Length 10'

Inner Well Casing:

Type PVC

Diameter 2"

Joint Type Thread

Total Length 17.41

Filter (Sand) Pack:

Type: Sand

Size: #5

Bentonite Seal:

Type: hydrated chip

Size: medium

Guard Pipe:

Type

Diameter

Total Length

(If applicable)

Final Measurements:

Depth To Bottom 17.41 ft. below M.P.

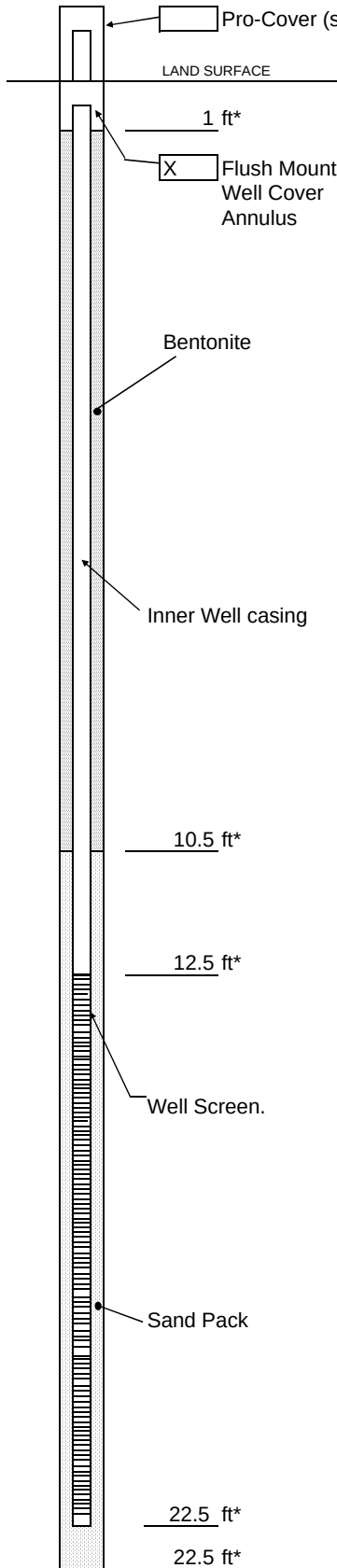
Prepared by: Emily Gercke

* Depth Below Land Surface

Note: Measuring Point (M.P.) is Top of Casing (TOC) unless noted otherwise.



WELL CONSTRUCTION LOG



Project: IMC Well ID: MW-1112

City: Indianapolis

County: Marion State: IN

Land-Surface Elevation and Datum:

689.30 TOC feet (below MSL) ☒ Surveyed

☐ Estimated

Installation Date(s) 5/17/2011

Drilling Contractor Midway

Driller/License # JR Toddish 1946

Drilling Method Hollow Stem Auger

Drilling Fluid none

Measurement Point (M.P.): Top of Casing

Development Technique(s) and Date(s)

whale pump, 5/17

Static Depth to Water 16 feet below M.P.

Water Removed During Development gallons

Pumping Duration hours

Well Purpose Monitoring

Depth To Bottom (Post Development) 22.15 ft. below M.P.

Screen:

Type PVC

Diameter 2"

Slot Size 0.01

Joint Type thread

Top Blank

Bottom Blank

Total Screen 10'

Total Length 10'

Inner Well Casing:

Type PVC

Diameter 2"

Joint Type Thread

Total Length 22.15

Filter (Sand) Pack:

Type: Sand

Size: #5

Bentonite Seal:

Type: hydrated chip

Size: medium

Guard Pipe:

Type

Diameter

Total Length

(If applicable)

Final Measurements:

Depth To Bottom 22.15 ft. below M.P.

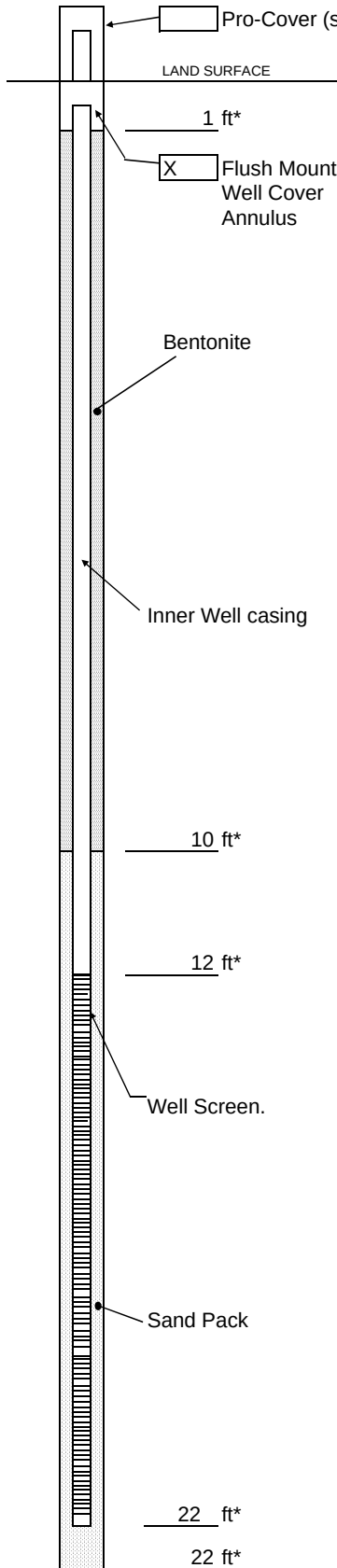
Prepared by: Tom Kolb

* Depth Below Land Surface

Note: Measuring Point (M.P.) is Top of Casing (TOC) unless noted otherwise.



WELL CONSTRUCTION LOG



Project: IMC Well ID: MW-1113

City: Indianapolis

County: Marion State: IN

Land-Surface Elevation and Datum:

686.24 TOC feet (below MSL) ☒ Surveyed

☐ Estimated

Installation Date(s) 9/8/2011

Drilling Contractor Midway

Driller/License # JR Toddish 1946

Drilling Method Hollow Stem Auger

Drilling Fluid none

Measurement Point (M.P.): Top of Casing

Development Technique(s) and Date(s)

whale pump, 9/9

Static Depth to Water 15 feet below M.P.

Water Removed During Development gallons

Pumping Duration hours

Well Purpose Monitoring

Depth To Bottom (Post Development) 21.53 ft. below M.P.

Screen:

Type PVC

Diameter 2"

Slot Size 0.01

Joint Type thread

Top Blank

Bottom Blank

Total Screen 10'

Total Length 10'

Inner Well Casing:

Type PVC

Diameter 2"

Joint Type Thread

Total Length 21.53

Filter (Sand) Pack:

Type: Sand

Size: #5

Bentonite Seal:

Type: hydrated chip

Size: medium

Guard Pipe:

Type

Diameter

Total Length

(If applicable)

Final Measurements:

Depth To Bottom 21.53 ft. below M.P.

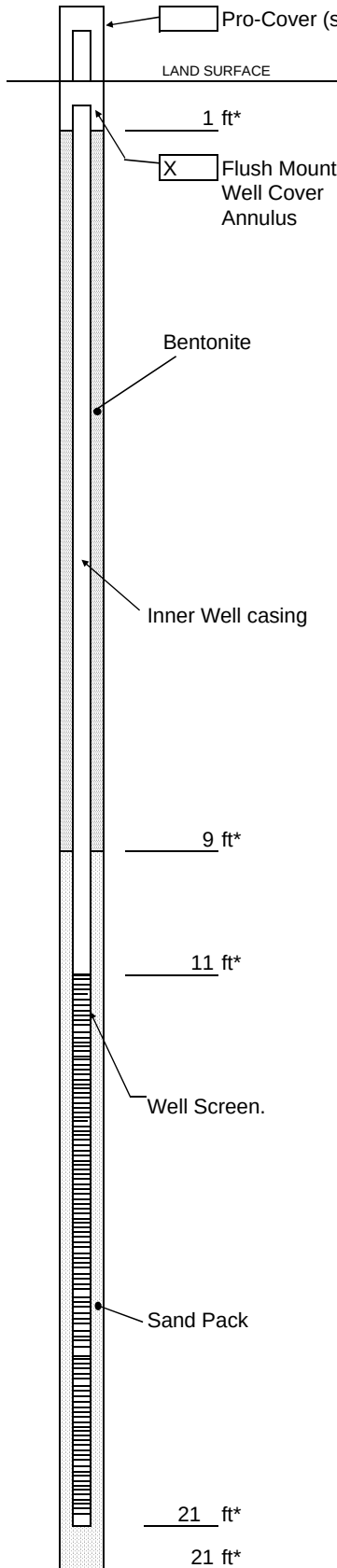
Prepared by: Tom Kolb

* Depth Below Land Surface

Note: Measuring Point (M.P.) is Top of Casing (TOC) unless noted otherwise.



WELL CONSTRUCTION LOG



Project: IMC Well ID: MW-1114

City: Indianapolis

County: Marion State: IN

Land-Surface Elevation and Datum:

683.59 TOC feet (below MSL) ☒ Surveyed

☐ Estimated

Installation Date(s) 9/8/2011

Drilling Contractor Midway

Driller/License # JR Toddish 1946

Drilling Method Hollow Stem Auger

Drilling Fluid none

Measurement Point (M.P.): Top of Casing

Development Technique(s) and Date(s)

whale pump, 9/9

Static Depth to Water 14 feet below M.P.

Water Removed During Development gallons

Pumping Duration hours

Well Purpose Monitoring

Depth To Bottom (Post Development) 20.41 ft. below M.P.

Screen:

Type PVC

Diameter 2"

Slot Size 0.01

Joint Type thread

Top Blank

Bottom Blank

Total Screen 10'

Total Length 10'

Inner Well Casing:

Type PVC

Diameter 2"

Joint Type Thread

Total Length 20.41

Filter (Sand) Pack:

Type: Sand

Size: #5

Bentonite Seal:

Type: hydrated chip

Size: medium

Guard Pipe:

Type

Diameter

Total Length

(If applicable)

Final Measurements:

Depth To Bottom 20.41 ft. below M.P.

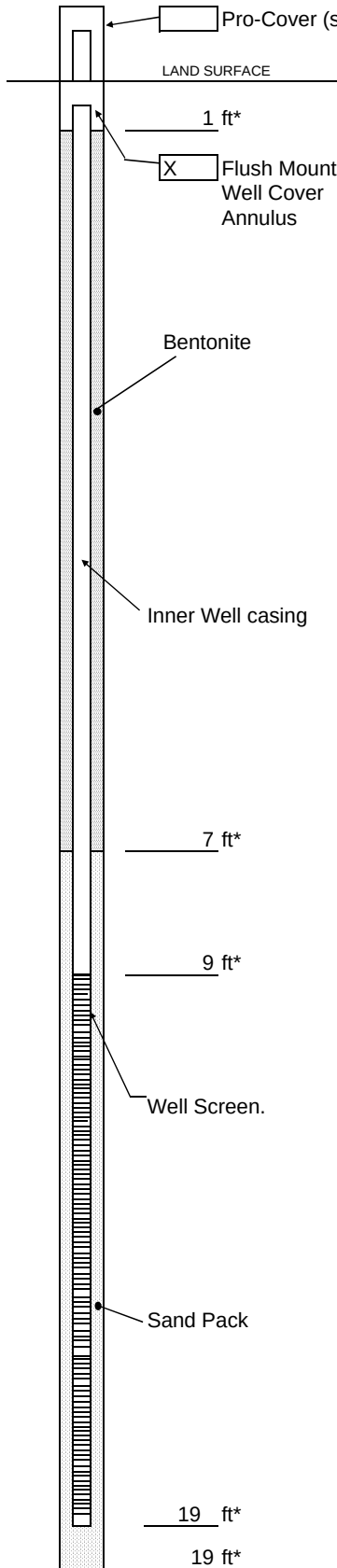
Prepared by: Tom Kolb

* Depth Below Land Surface

Note: Measuring Point (M.P.) is Top of Casing (TOC) unless noted otherwise.



WELL CONSTRUCTION LOG



Project: IMC Well ID: MW-1115

City: Indianapolis

County: Marion State: IN

Land-Surface Elevation and Datum:

684.39 TOC feet (below MSL) ☒ Surveyed

☐ Estimated

Installation Date(s) 9/8/2011

Drilling Contractor Midway

Driller/License # JR Toddish 1946

Drilling Method Hollow Stem Auger

Drilling Fluid none

Measurement Point (M.P.): Top of Casing

Development Technique(s) and Date(s)

whale pump, 9/9

Static Depth to Water 12 feet below M.P.

Water Removed During Development gallons

Pumping Duration hours

Well Purpose Monitoring

Depth To Bottom (Post Development) 18.25 ft. below M.P.

Screen:

Type PVC

Diameter 2"

Slot Size 0.01

Joint Type thread

Top Blank

Bottom Blank

Total Screen 10'

Total Length 10'

Inner Well Casing:

Type PVC

Diameter 2"

Joint Type Thread

Total Length 18.25

Filter (Sand) Pack:

Type: Sand

Size: #5

Bentonite Seal:

Type: hydrated chip

Size: medium

Guard Pipe:

Type

Diameter

Total Length

(If applicable)

Final Measurements:

Depth To Bottom 18.25 ft. below M.P.

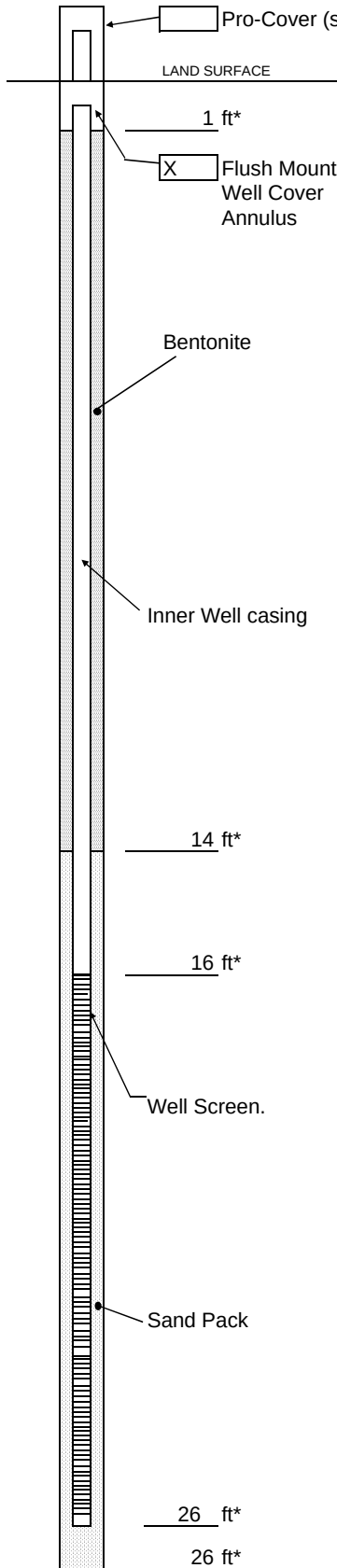
Prepared by: Tom Kolb

* Depth Below Land Surface

Note: Measuring Point (M.P.) is Top of Casing (TOC) unless noted otherwise.



WELL CONSTRUCTION LOG



Project: IMC Well ID: MW-1116

City: Indianapolis

County: Marion State: IN

Land-Surface Elevation and Datum:

689.37 TOC feet (below MSL) ☒ Surveyed

☐ Estimated

Installation Date(s) 9/8/2011

Drilling Contractor Midway

Driller/License # JR Toddish 1946

Drilling Method Hollow Stem Auger

Drilling Fluid none

Measurement Point (M.P.): Top of Casing

Development Technique(s) and Date(s)

whale pump, 9/9

Static Depth to Water 19 feet below M.P.

Water Removed During Development gallons

Pumping Duration hours

Well Purpose Monitoring

Depth To Bottom (Post Development) 25.7 ft. below M.P.

Screen:

Type PVC

Diameter 2"

Slot Size 0.01

Joint Type thread

Top Blank

Bottom Blank

Total Screen 10'

Total Length 10'

Inner Well Casing:

Type PVC

Diameter 2"

Joint Type Thread

Total Length 25.7

Filter (Sand) Pack:

Type: Sand

Size: #5

Bentonite Seal:

Type: hydrated chip

Size: medium

Guard Pipe:

Type

Diameter

Total Length

(If applicable)

Final Measurements:

Depth To Bottom 25.7 ft. below M.P.

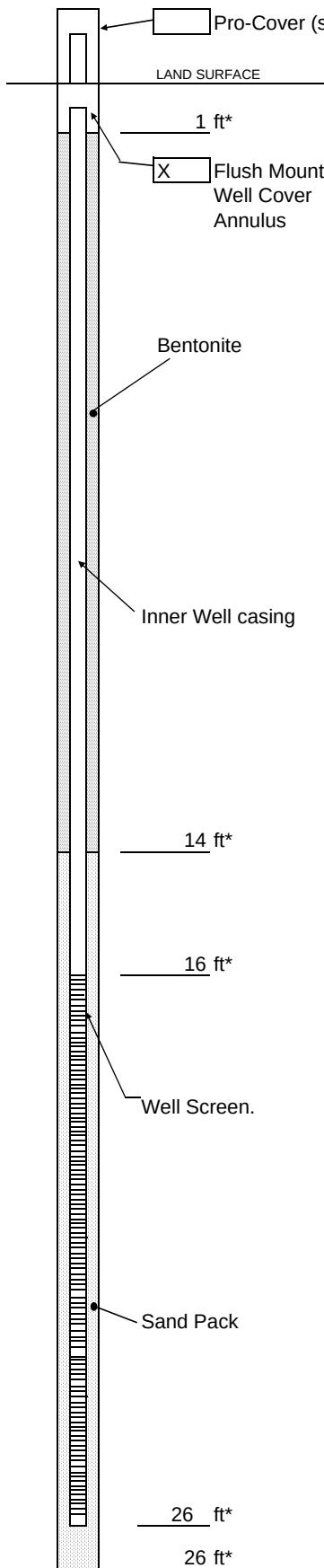
Prepared by: Tom Kolb

* Depth Below Land Surface

Note: Measuring Point (M.P.) is Top of Casing (TOC) unless noted otherwise.



WELL CONSTRUCTION LOG



Project: IMC Well ID: MW-1117

City: Indianapolis

County: Marion State: IN

Land-Surface Elevation and Datum:

688.90 TOC feet (below MSL) ☒ Surveyed

☐ Estimated

Installation Date(s) 9/8/2011

Drilling Contractor Midway

Driller/License # JR Toddish 1946

Drilling Method Hollow Stem Auger

Drilling Fluid none

Measurement Point (M.P.): Top of Casing

Development Technique(s) and Date(s)

whale pump, 9/9

Static Depth to Water 19 feet below M.P.

Water Removed During Development gallons

Pumping Duration hours

Well Purpose Monitoring

Depth To Bottom (Post Development) 25.61 ft. below M.P.

Screen:

Type PVC

Diameter 2"

Slot Size 0.01

Joint Type thread

Top Blank

Bottom Blank

Total Screen 10'

Total Length 10'

Filter (Sand) Pack:

Type: Sand

Size: #5

Bentonite Seal:

Type: hydrated chip

Size: medium

Guard Pipe:

Type

Diameter

Total Length

(If applicable)

Inner Well Casing:

Type PVC

Diameter 2"

Joint Type Thread

Total Length 25.61

Final Measurements:

Depth To Bottom 25.61 ft. below M.P.

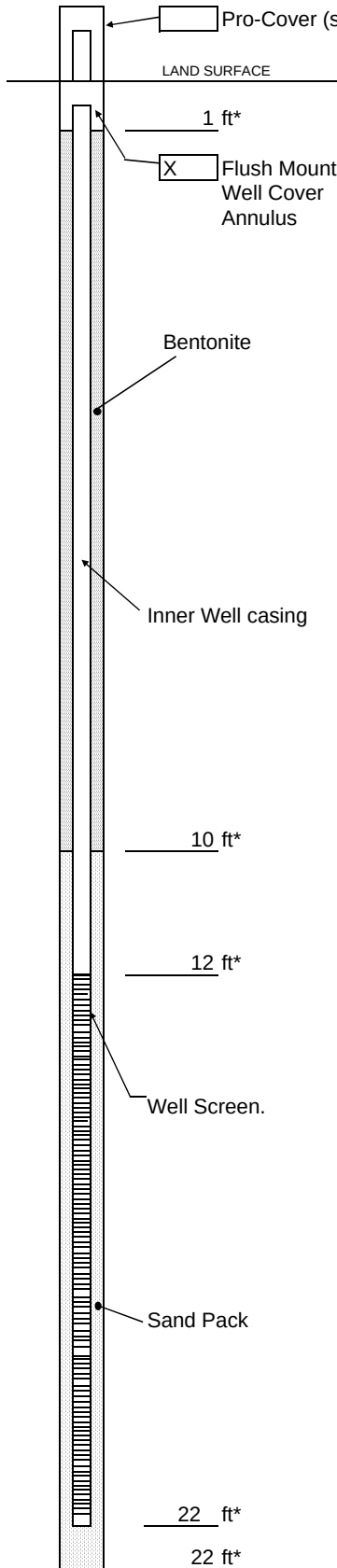
Prepared by: Tom Kolb

* Depth Below Land Surface

Note: Measuring Point (M.P.) is Top of Casing (TOC) unless noted otherwise.



WELL CONSTRUCTION LOG



Project: IMC Well ID: MW-1118

City: Indianapolis

County: Marion State: IN

Land-Surface Elevation and Datum:

684.85 TOC feet (below MSL) ☒ Surveyed

☐ Estimated

Installation Date(s) 9/8/2011

Drilling Contractor Midway

Driller/License # JR Toddish 1946

Drilling Method Hollow Stem Auger

Drilling Fluid none

Measurement Point (M.P.): Top of Casing

Development Technique(s) and Date(s)

whale pump, 9/9

Static Depth to Water 15 feet below M.P.

Water Removed During Development gallons

Pumping Duration hours

Well Purpose Monitoring

Depth To Bottom (Post Development) 21.71 ft. below M.P.

Screen:

Type PVC

Diameter 2"

Slot Size 0.01

Joint Type thread

Top Blank

Bottom Blank

Total Screen 10'

Total Length 10'

Inner Well Casing:

Type PVC

Diameter 2"

Joint Type Thread

Total Length 21.71

Filter (Sand) Pack:

Type: Sand

Size: #5

Bentonite Seal:

Type: hydrated chip

Size: medium

Guard Pipe:

Type

Diameter

Total Length

(If applicable)

Final Measurements:

Depth To Bottom 21.71 ft. below M.P.

Prepared by: Tom Kolb

* Depth Below Land Surface

Note: Measuring Point (M.P.) is Top of Casing (TOC) unless noted otherwise.



WELL CONSTRUCTION LOG

Pro-Cover (stick up)

LAND SURFACE

1 ft*

X Flush Mount Well Cover Annulus

Bentonite

Inner Well casing

Well Screen.

Sand Pack

26 ft*

26.26 ft*

Project: IMC Well ID: MW-1119

City: Indianapolis

County: Marion State: IN

Land-Surface Elevation and Datum:

692.11 feet (above MSL) ☒ Surveyed ☐ Estimated

Installation Date(s) 11/28/2011

Drilling Contractor Midway

Driller/License # JR Toddish # 1946

Drilling Method Hollow Stem Auger

Drilling Fluid none

Measurement Point (M.P.): Top of Casing

Development Technique(s) and Date(s)

pump and surge with whale pump, 11/29

Static Depth to Water 19.15 feet below M.P.

Water Removed During Development 50 gallons

Pumping Duration 20 min

Well Purpose Monitoring

Depth To Bottom (Post Development) 24.21 ft. below M.P.

Screen:

Type	PVC V-wire
Diameter	2"
Slot Size	10 slot
Joint Type	thread
Top Blank	3 3/8 "
Bottom Blank	5 1/2"
Total Screen	114 1/4"
Total Length	10.26'

Filter (Sand) Pack:

Type:	Sand
Size:	#5

Bentonite Seal:

Type:	hydrated chip
Size:	medium

Guard Pipe:

Type	
Diameter	
Total Length	
(If applicable)	

Inner Well Casing:

Type	PVC
Diameter	2"
Joint Type	Thread
Total Length	26.26'

Final Measurements:

Depth To Bottom: 24.21 ft. below M.P.

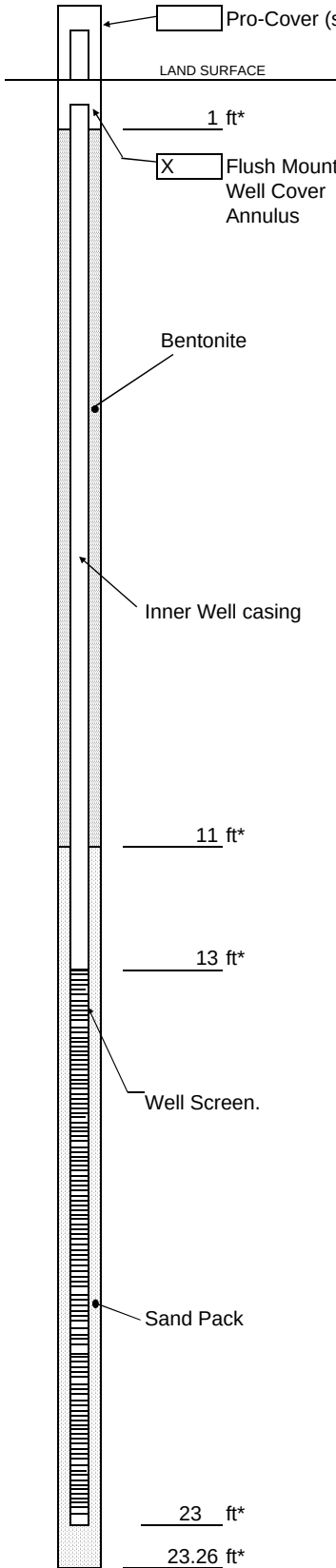
Prepared by: Wesley Kuhn

* Depth Below Land Surface

Note: Measuring Point (M.P.) is Top of Casing (TOC) unless noted otherwise.



WELL CONSTRUCTION LOG

	Project:	IMC	Well ID:	MW-1120
	City:	Indianapolis		
	County:	Marion	State:	IN
	Land-Surface Elevation and Datum:			
	687.41 feet (above MSL)		☒ Surveyed	
			☐ Estimated	
	Installation Date(s)		11/28/2011	
	Drilling Contractor		Midway	
	Driller/License #		JR Toddish/ # 1946	
	Drilling Method		Hollow Stem Auger	
Drilling Fluid		none		
Measurement Point (M.P.):		Top of Casing		
Development Technique(s) and Date(s)				
pump and surge with whale pump, 11/29				
Static Depth to Water		14.47 feet below M.P.		
Water Removed During Development		35 gallons		
Pumping Duration		13 min		
Well Purpose		Monitoring		
Depth To Bottom (Post Development)		22.12 ft. below M.P.		
Screen:				
Type	PVC V-wire	Filter (Sand) Pack:		
Diameter	2"	Type:	Sand	
Slot Size	10 slot	Size:	#5	
Joint Type	thread	Bentonite Seal:		
Top Blank	3 3/8 "	Type:	hydrated chip	
Bottom Blank	5 1/2"	Size:	medium	
Total Screen	114 1/4"	Guard Pipe:		
Total Length	10.26'	Type		
Inner Well Casing:		Diameter		
Type	PVC	Total Length		
Diameter	2"	(If applicable)		
Joint Type	Thread	Final Measurements:		
Total Length	23.26'	Depth To Bottom:	22.12 ft. below M.P.	
Prepared by:		Wesley Kuhn		

* Depth Below Land Surface

Note: Measuring Point (M.P.) is Top of Casing (TOC) unless noted otherwise.



WELL CONSTRUCTION LOG

	Pro-Cover (stick up)	Project:	IMC	Well ID:	MW-1121		
	LAND SURFACE	City:	Indianapolis	County:	Marion	State:	IN
	1 ft*						
	X Flush Mount Well Cover Annulus						
	Land-Surface Elevation and Datum:						
	684.81 feet (above MSL)			☒ Surveyed ☐ Estimated			
	Bentonite	Installation Date(s) 11/28/2011					
		Drilling Contractor Midway					
		Driller/License # JR Toddish/ # 1946					
		Drilling Method Hollow Stem Auger					
	Drilling Fluid none						
	Measurement Point (M.P.): Top of Casing						
	Development Technique(s) and Date(s)						
	pump and surge with whale pump, 11/29						
	Static Depth to Water 13.10 feet below M.P.						
	Water Removed During Development 50 gallons						
	Pumping Duration 10 min						
	Well Purpose Monitoring						
	Depth To Bottom (Post Development) 21.71 ft. below M.P.						
	Screen:						
	Type	PVC	V-wire	Filter (Sand) Pack:			
	Diameter	2"		Type: Sand			
	Slot Size	10 slot		Size: #5			
	Joint Type	thread		Bentonite Seal:			
	Top Blank	3 3/8 "		Type: hydrated chip			
	Bottom Blank	5 1/2"		Size: medium			
	Total Screen	114 1/4"		Guard Pipe:			
	Total Length	10.26'		Type			
				Diameter			
				Total Length			
				(If applicable)			
	Inner Well Casing:						
	Type	PVC		Final Measurements:			
	Diameter	2"		Depth To Bottom: 21.71 ft. below M.P.			
	Joint Type	Thread					
	Total Length	22.76					
	22.5 ft*						
	22.76 ft*						

Prepared by: Wesley Kuhn

* Depth Below Land Surface

Note: Measuring Point (M.P.) is Top of Casing (TOC) unless noted otherwise.



Appendix B

Historical RFI Sampling Matrix Tables
(Phase I and Phase II)

ARCADIS

Table 1. Phase I RFI Sampling Matrix, Motors Liquidation Company - Indianapolis Metal Center, Indianapolis, Indiana

AOI	Name (Focus of Investigation)	Sample Matrix	Data Usage	Sample Locations	Number of Proposed Soil Borings	Number of Proposed Monitoring Wells	Laboratory Parameters	Analytical Methods (SW-846)
Background	NA	Soil	To obtain enough data in non-operational areas to calculate background concentrations for metals	BK-1101 through BK-1108, MW-1102, MW-1103	10	-	Metals	6000/7000
Perimeter	NA	NA	Evaluate groundwater flow and evaluate groundwater conditions near the site boundary	One monitoring well east of AOI 1 (MW-1101) One monitoring well in the southwest parking lot (MW-1102 ¹) One monitoring well in the southeast parking lot (MW-1103 ¹) One monitoring well east of AOI 19 (MW-1104 ¹) One monitoring well west of AOI 14 (MW-1105 ¹)	-	5	VOCs	8260
AOI 1	Former Building 31 Area/Distribution Center	No proposed investigation						
AOI 2	Former Plant 3 UST (Heating oil UST)	Soil	Evaluate individual constituents associated with the heating oil UST	One soil boring near the location of the former UST (SB-02-1101)	1	-	BTEX/MTBE cPAHs	8260 8270c
		Groundwater	Evaluate groundwater flow and evaluate if groundwater has been impacted by the UST	One monitoring well east of AOI 2 (MW-1106)	-	1	BTEX/MTBE cPAHs	8260 8270c
AOI 3	Former Plant 5 (Former USTs containing gasoline, diesel and 1,1,1-TCA)	Soil	Evaluate individual constituents associated with the USTs	Four soil borings in the vicinity of the former USTs (SB-03-1101 through SB-03-1104)	4	-	VOCs ² cPAHs Lead (SB-03-1104 only)	8260 8270c 6010
		Borehole water	Evaluate if groundwater has been impacted by AOI 3	Four soil borings in the vicinity of the former USTs (SB-03-1101 through SB-03-1104)	4	-	VOCs ² cPAHs	8260 8270c
		Groundwater	Evaluate groundwater flow and evaluate if groundwater has been impacted by AOI 3	One monitoring well east of AOI 3 (MW-1107 ¹)	-	1	VOCs ² cPAHs	8260 8270c
AOI 4	West Pump House (Former diesel release)	Soil	Evaluate if soil has been impacted from AOI 4	One soil boring in the vicinity of the former release area (SB-04-1101)	1	-	BTEX/MTBE cPAHs	8260 8270c
AOI 5	Former Meuhlstien Plant (Previous sample locations and former heating oil and wastewater USTs)	Soil	Evaluate current conditions in soil at AOI 5	One soil boring in the vicinity of SB-6 (SB-05-1101) One soil boring in the vicinity of SB-13 (SB-05-1102) One soil boring in the vicinity of SB-2 and trench 9 (SB-05-1103) One soil boring in the vicinity of SB-14 (SB-05-1104)	4	-	VOCs SVOCs PCBs Metals	8260 8270 8082 6000/7000
AOI 6	Pipe Fitting Storage Building (Former spill area)	Soil	Evaluate current concentrations of lead in soil	One soil boring on the west side of the AOI, north of the railroad tracks (SB-06-1101)	1	-	Lead	6010
AOI 7	Scrap Metal Storage Pit	Soil	Evaluate if soil has been impacted from AOI 7	One soil boring north of the storage area (SB-07-1101) One soil boring west of the storage area (SB-07-1102) One soil boring southeast of the storage area (MW-1108)	3	-	VOCs SVOCs PCBs Metals	8260 8270 8082 6000/7000
		Groundwater	Evaluate groundwater flow	One monitoring well southeast of AOI 7 (MW-1108)	-	1	VOCs BNs	8260 8270
AOI 8	Basement (Cutting oils on basement floor and pits)	Soil	Evaluate if soil beneath the basement has been impacted from AOI 8	Eight hand auger soil borings located throughout the basement (SB-08-1101 through SB-08-1108)	8	-	VOCs BNs Metals	8260 8270 6000/7000
		Groundwater	Evaluate groundwater flow and determine if LNAPL is present on the water table downgradient from the basements	Two monitoring wells south of the plant building (MW-1109 and MW-1110) One monitoring well southeast of the plant building (MW-1111)	-	3	VOCs BNs	8260 8270

ARCADIS

Table 1. Phase I RFI Sampling Matrix, Motors Liquidation Company - Indianapolis Metal Center, Indianapolis, Indiana

AOI 9	West Gate Spill Area (Former gasoline release)	Soil	Evaluate if soil has been impacted by the release of gasoline onto the ground	One soil boring near the storm sewer (SB-09-1101) One soil boring near the gate (SB-09-1102)	2	-	BTEX/MTBE Naphthalene Lead	8260 8260 6010
AOI 10	USTs 4 and 5 (Regular gasoline and diesel USTs)	Soil	Evaluate individual constituents associated with USTs	One soil boring in the vicinity of the former gasoline UST (SB-10-1101) One soil boring in the vicinity of the former diesel fuel UST (SB-10-1102)	2	-	BTEX/MTBE cPAHs Lead	8260 8270c 6010
AOI 11	Empty Drum and Waste Treated Pine Block Storage Areas	Soil	Evaluate if soil has been impacted from AOI 11	One soil boring in the vicinity of the storage area (SB-11-1101)	1	-	VOCs BNs Metals	8260 8270 6000/7000
AOI 12	Solvent Units	No proposed investigation						
AOI 13	Northwest Plant Former Storage Tank Area	No proposed investigation						
AOI 14	Baler Building	No proposed investigation						
AOI 15	Paint Mix/Oil Stores Building (Former releases to the ground surface)	Soil	Evaluate if soil has been impacted from AOI 15	One soil boring in the vicinity of the release area (SB-15-1101)	1	-	VOCs SVOCs	8260 8270
AOI 16	Ash Slurry UST	No proposed investigation						
AOI 17	Storm and Waste Water Treatment System (Former releases from the process tank)	Soil	Evaluate if soil has been impacted from AOI 17	One soil boring in the vicinity of the release area (MW-1112)	1	-	VOCs SVOCs PCBs Metals	8260 8270 8082 6000/7000
		Groundwater	Evaluate if groundwater has been impacted from AOI 17	One monitoring well east of UST 7 (MW-1112)	-	1	VOCs SVOCs Metals	8260 8270 6000/7000
AOI 18	Spray Paint Booth, ELPO Paint System and Former Chromic Acid Treatment Tank (Former chromic acid tank)	Soil	Evaluate if soil has been impacted from the former chromic acid treatment tank	One soil boring in the vicinity of the former chromic acid tank (SB-18-1101)	1		Metals (total and hexavalent Chromium) pH	6000/7000 9040
AOI 19	Executive Car Garage	No proposed investigation						
AOI 20	Storm Water Sewer System	No proposed investigation						

NOTES:

Locations are presented on accompanying figures. Locations may be adjusted in the field based on underground utilities and/or accessibility restrictions.

1 - Soil boring will extend to first encountered till unit to aid in evaluation of Site-wide geology.

2 - VOC analysis will include 1,4-dioxane, with a reporting limit of 50 ug/L in water and 250 ug/kg in soil.

All soil samples will be collected from 0 ft to 2 ft bgs, 8 ft to 10 ft bgs and no less than 4 ft above the water table unless otherwise specified.

In order to properly place monitoring wells in relation to potential source areas, select wells will be installed first to obtain area-wide groundwater flow. The order of installation will be: MW-1101, MW-1102, MW-1103, MW-1112

BTEX/MTBE - benzene, toluene, ethylbenzene, xylenes / methyl-tertiary butyl ether

cPAHs - carcinogenic polycyclic aromatic hydrocarbons

ARCADIS

Table 2. Sample Containers, Preservatives, and Holding Time Requirements, Indianapolis Metal Center, Indianapolis, Marion County, Ind

Parameter	Method	Container	Preservative	Holding Time
Groundwater Analysis				
VOCs, BTEX/MTBE	SW846 8260	3 - 40 ml glass vial With Teflon lined lids	4°C, HCl to pH < 2	14 days
SVOCs, BNs, Polynuclear Aromatics, cPAH, naphthalene	SW846 8270, SW846 8270c	2 - 1L glass amber	4°C	7/40 days
Metals	SW846 6000/7000	1 - 500ml plastic jar	HNO ₃ to pH < 2	6 months
Soil Analysis				
VOCs	SW846 8260	TerraCore kit	4°C	48 hours
SVOCs, BNs, Polynuclear Aromatics, cPAH	SW846 8270, SW846 8270c	1 - 4oz. Jar with Teflon lined lid	4°C	14 days
PCBs	SW846 8082	1 - 4oz. Jar with Teflon lined lid	4°C	14 days
Metals	SW846 6000/7000	1 - 2oz. Jar with Teflon lined lid	None	6 months

Notes:

VOCs - Volatile Organic Compounds

BTEX - Benzene, Toluene, Ethylbenzene, Xylenes

MTBE - Methyl Tert Butyl Ether

SVOCs - Semi-Volatile Organic Compounds

BNs - Base-Neutral Semi-Volatile Organic Compounds

cPAHs - carcinogenic polycyclic aromatic hydrocarbons

Table 1. Phase II RFI Sampling Matrix, RACER Trust - Indianapolis Metal Center, Indianapolis, Indiana

AOI	Name (Focus of Investigation)	Sample Matrix	Data Usage	Sample Locations	Number of Proposed Soil Borings	Number of Proposed Monitoring Wells	Laboratory Parameters	Analytical Methods (SW-846)
Perimeter	NA	Groundwater	Evaluate groundwater flow and evaluate groundwater conditions	One monitoring well in the SW corner of the Rack Storage Lot (MW-1113) One monitoring well in the South Gate entrance by Oliver St. (MW-1114) One monitoring well in the Rack Storage area west of the West gate (MW-1115) One monitoring well at the corner of Chase Street and the alley (MW-1118)	-	4	VOCs	8260
AOI 1	Former Building 31 Area/Distribution Center	Soil	Evaluate individual constituents associated with historical operations	Two soil borings (SB-01-1101 and SB-01-1102)	2	-	VOCs SVOCs	8260 8270
AOI 3	Former Plant 5 (Former USTs containing gasoline, diesel and 1,1,1-TCA)	Soil	Evaluate individual constituents associated with the USTs	Nine soil borings in the vicinity of the former USTs (SB-03-1105 through SB-03-1113)	9	-	VOCs	8260
AOI 4	West Pump House (Former diesel release)	Soil	Evaluate if soil has been impacted from AOI 4	One soil boring in the vicinity of the former release area (SB-04-1101)	1	-	BTEX/MTBE cPAHs	8260 8270c
AOI 8	Basement (Center of Plant)	Groundwater	Evaluate groundwater flow and determine if LNAPL is present	Two monitoring wells in the center of the plant (MW-1116 and MW-1117)	-	2	VOCs SVOCs	8260 8270
	Basement (Sump)	Water	Evaluate if sump water has been impacted by Plant operations	One unfiltered sump water samples (Sump-1)	-	1 sample point	VOCs SVOCs	8260 8270
AOI 11	Empty Drum and Waste Treated Pine Block Storage Areas	Soil	Evaluate if soil has been impacted from AOI 11	Three soil borings in the vicinity of the storage area (SB-11-1102 through SB-11-1104)	3	-	VOCs	8260
Various	Existing Monitoring Wells	Groundwater	Verify Phase I RFI groundwater analytical results	MW-1101 through MW-1112	-	12 sample points	VOCs	8260

NOTES:
Locations are presented on accompanying figures. Locations may be adjusted in the field based on underground utilities and/or accessibility restrictions.
BTEX/MTBE - benzene, toluene, ethylbenzene, xylenes / methyl-tertiary butyl ether
cPAHs - carcinogenic polycyclic aromatic hydrocarbons
AOI 1 and AOI 4 soil samples will be collected from 0 ft to 0.5 ft bgs, 8 ft to 10 ft bgs and no less than 4 ft above the water table unless otherwise specified.
All other delineation locations will be continuously sampled from 0-0.5', 0.5-2', 2-4', 4-6', and 6-8'.
Previous sampled locations will be sampled at the following intervals:

Previous Sample Location	Proposed Sample Location	New sampling intervals
SB-03-1101	SB-03-1105	2-4', 4-6', and 6-8'
SB-03-1102	SB-03-1109	2-4', 4-6', and 6-8'
SB-03-1103	SB-03-1110	2-4', 4-6', 6-8', and 10-12'
SB-11-1101	SB-11-1103	4-6'

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Table 2. Sample Containers, Preservatives, and Holding Time Requirements, Indianapolis Metal Center, Indianapolis, Marion County, Ind

Parameter	Method	Container	Preservative	Holding Time
Groundwater Analysis				
VOCs, BTEX/MTBE	SW846 8260	3 - 40 ml glass vial With Teflon lined lids	4°C, HCl to pH < 2	14 days
SVOCs, BNs, Polynuclear Aromatics, cPAH, naphthalene	SW846 8270, SW846 8270c	2 - 1L glass amber	4°C	7/40 days
Metals	SW846 6000/7000	1 - 500ml plastic jar	HNO ₃ to pH < 2	6 months
Soil Analysis				
VOCs	SW846 8260	TerraCore kit	4°C	48 hours
SVOCs, BNs, Polynuclear Aromatics, cPAH	SW846 8270, SW846 8270c	1 - 4oz. Jar with Teflon lined lid	4°C	14 days
PCBs	SW846 8082	1 - 4oz. Jar with Teflon lined lid	4°C	14 days
Metals	SW846 6000/7000	1 - 2oz. Jar with Teflon lined lid	None	6 months

Notes:

VOCs - Volatile Organic Compounds

BTEX - Benzene, Toluene, Ethylbenzene, Xylenes

MTBE - Methyl Tert Butyl Ether

SVOCs - Semi-Volatile Organic Compounds

BNs - Base-Neutral Semi-Volatile Organic Compounds

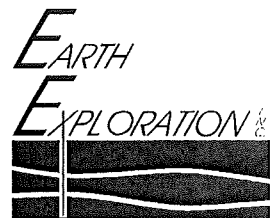
cPAHs - carcinogenic polycyclic aromatic hydrocarbons



Appendix C

Soil Grain Analysis and Soil Moisture
Report

TRANSMITTAL



7770 West New York Street
Indianapolis, IN 46214-2988
317-273-1690 (FAX) 317-273-2250

Date: December 16, 2011

To: Ms. Sarah Fisher
ARCADIS U.S., Inc.
251 East Ohio Street, Suite 800
Indianapolis, IN 46204

Project: Indianapolis Metal Center IN000694.2011.00002

Location: Indianapolis, Indiana

EEL Project No.: 1-11-443

Enclosed is 1 [X] Copy [] Samples []

- [] Laboratory Test Results
- [X] Grain Size Distribution Curve (3)
- [X] Summary of Laboratory Test Results
- [X] Chain of Custody Record (original)

The enclosed items are being sent via:

- [] First Class Mail
- [] Overnight Delivery by
- [] UPS
- [] Federal Express
- [X] Electronic Mail

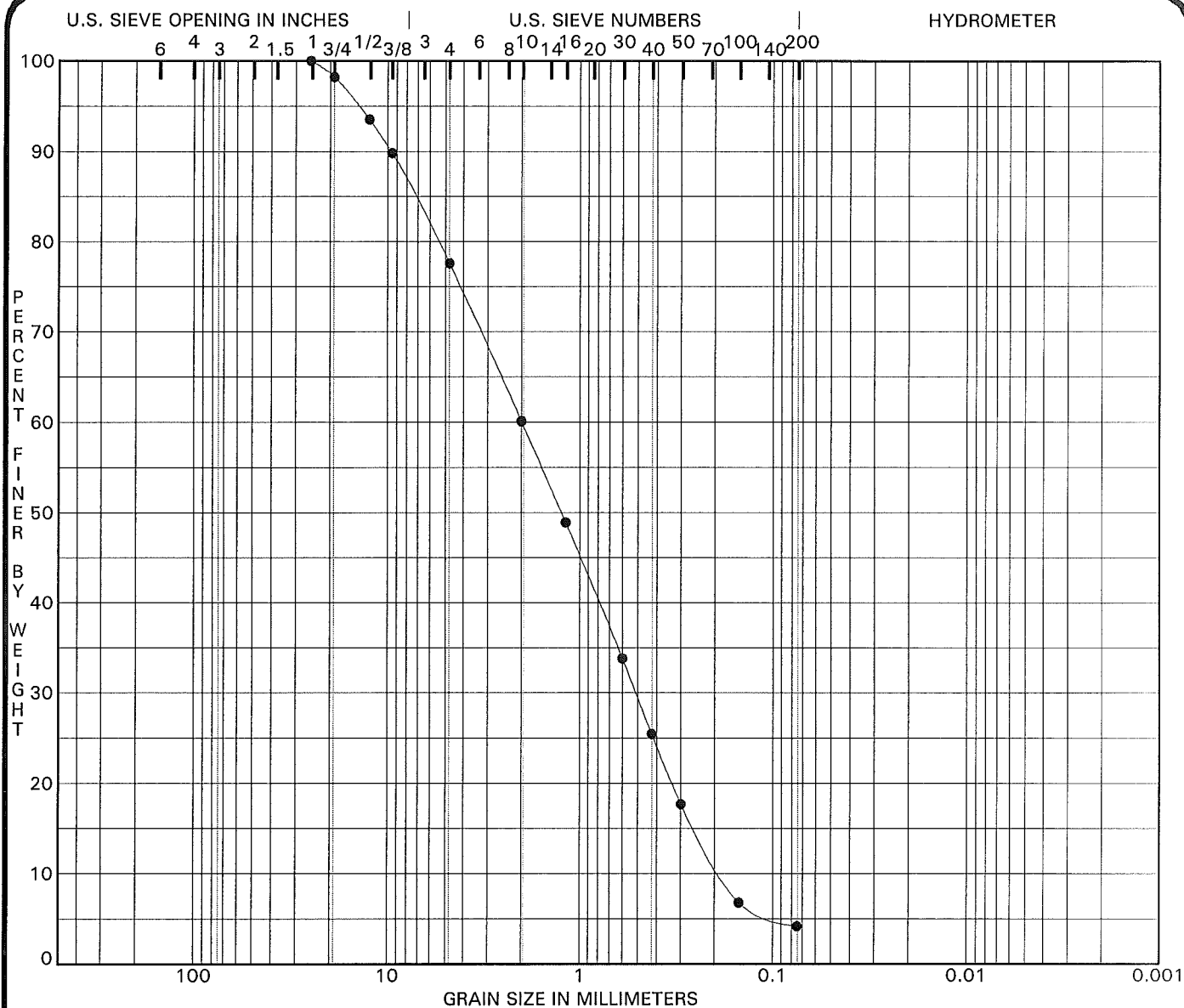
Remarks:

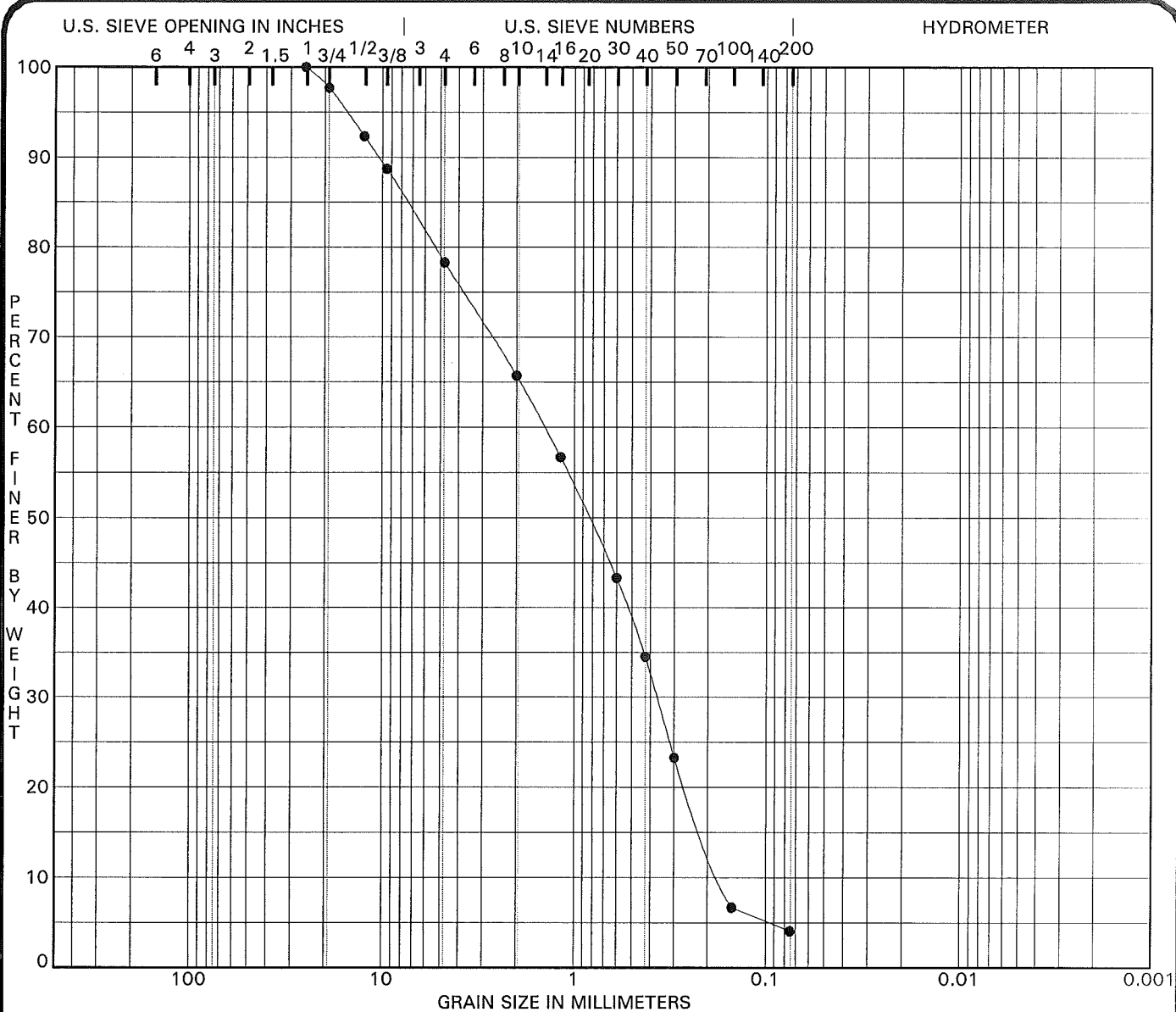
c: File

Sincerely,

EARTH EXPLORATION, INC.

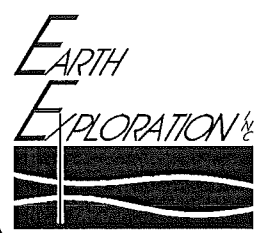
Kirk J. Egold
Laboratory Manager





COBBLES	GRAVEL		SAND			SILT OR CLAY
	coarse	fine	coarse	medium	fine	

Sample Identification		USCS Classification		MC%	LL	PL	PI	Cc	Cu
●	MW-1120 18-23'	SP, POORLY GRADED SAND with GRAVEL		---	NP	NP	NP	0.55	8.3
% Gravel (>4.75mm)		% Sand (4.75 to .075mm)		% Silt (.075 to .005 mm)		% Clay (<.005mm)			
21.7		74.2							
Grain Size (mm)	% Passing	Grain Size (mm)	% Passing	Grain Size (mm)		% Passing			
64.0	100.0	0.5	38.6	0.016					
16.0	95.5	0.25	18.9	0.008					
4.0	75.8	0.125	6.0	0.005					
2.0	65.7	0.075	4.1	0.002					
1.0	53.4	0.050							

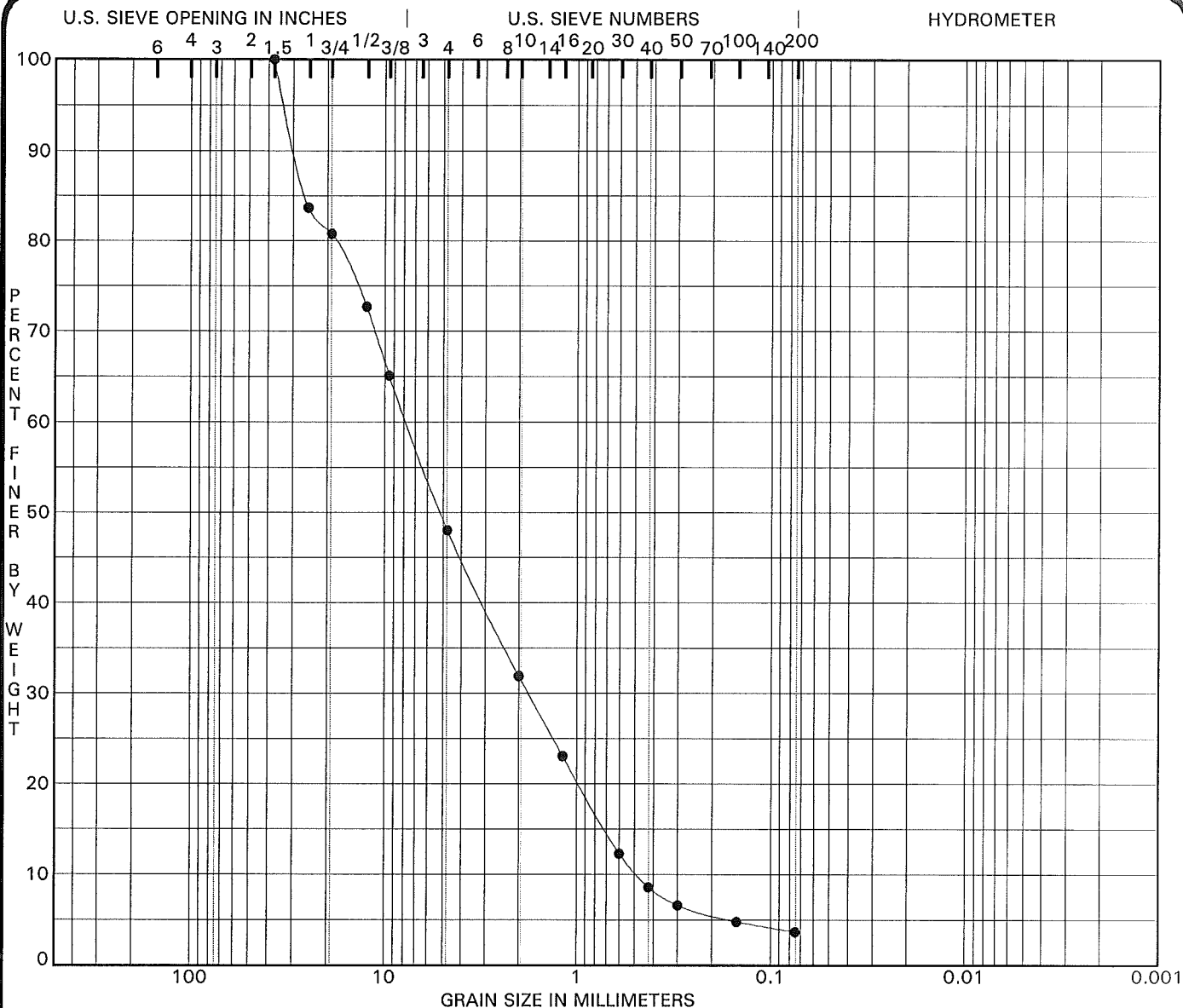


PROJECT Indianapolis Metal Center
LOCATION Indianapolis, Indiana
CLIENT ARCADIS U.S., Inc.
EEI PROJECT NO. 1-11-443

CLIENT ID NO JN000694.2011.00002
DATE 12-16-11

GRAIN SIZE DISTRIBUTION CURVE

Earth Exploration, Inc.
 7770 West New York Street Indianapolis, Indiana 46214
 317-273-1690 / 317-273-2250 (Fax)

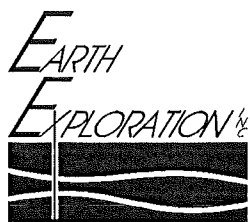


COBBLES	GRAVEL		SAND			SILT OR CLAY
	coarse	fine	coarse	medium	fine	

Sample Identification	USCS Classification	MC%	LL	PL	PI	Cc	Cu
● MW-1121 18-24'	GP, POORLY GRADED GRAVEL with SAND	---	NP	NP	NP	0.85	16.0

% Gravel (>4.75mm)	% Sand (4.75 to .075mm)	% Silt (.075 to .005 mm)	% Clay (<.005mm)
52.0	44.3		

Grain Size (mm)	% Passing	Grain Size (mm)	% Passing	Grain Size (mm)	% Passing
64.0	100.0	0.5	10.3	0.016	
16.0	77.5	0.25	6.1	0.008	
4.0	44.8	0.125	4.5	0.005	
2.0	31.9	0.075	3.7	0.002	
1.0	20.5	0.050			



PROJECT Indianapolis Metal Center
LOCATION Indianapolis, Indiana
CLIENT ARCADIS U.S., Inc.
EEL PROJECT NO. 1-11-443

CLIENT ID NO JN000694.2011.00002
DATE 12-16-11

GRAIN SIZE DISTRIBUTION CURVE

Earth Exploration, Inc.
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